

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030915\
 Data File : BM000663.D
 Acq On : 09 Mar 2015 16:34
 Operator : TP/IZ
 Sample : SSTD0.248
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.248

Quant Time: Mar 10 02:36:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM030915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 02:25:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	4790	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	16270	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	4683	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	15575	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	12481	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	11429	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	4112	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	6478	0.19	ng/ul	0.00

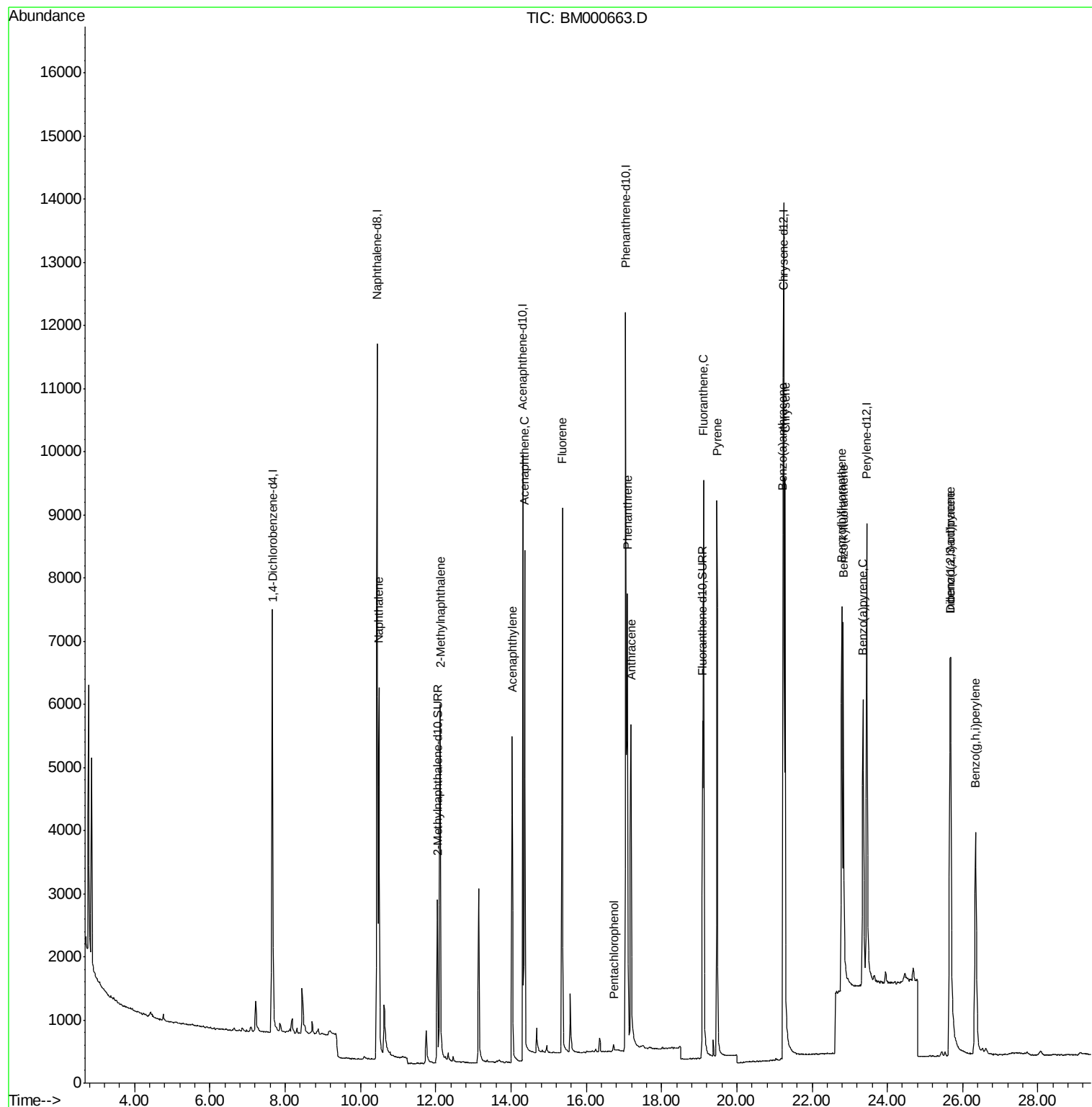
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	8540	0.21	ng/ul	99
5) 2-Methylnaphthalene	12.12	142	5374	0.19	ng/ul	100
7) Acenaphthylene	14.03	152	6739	0.31	ng/ul	100
8) Acenaphthene	14.36	153	5019	0.30	ng/ul	99
9) Fluorene	15.36	166	6073	0.29	ng/ul	98
11) Pentachlorophenol	16.72	266	177	0.05	ng/ul	90
12) Phenanthrene	17.10	178	9058	0.20	ng/ul	99
13) Anthracene	17.19	178	7943	0.19	ng/ul	99
15) Fluoranthene	19.11	202	9686	0.19	ng/ul	99
17) Pyrene	19.48	202	9828	0.18	ng/ul	98
18) Benzo(a)anthracene	21.23	228	7499	0.19	ng/ul	100
19) Chrysene	21.28	228	9249	0.21	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	8146	0.19	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	8827	0.21	ng/ul	95
23) Benzo(a)pyrene	23.35	252	7803	0.20	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	8992	0.24	ng/ul	99
25) Dibenzo(a,h)anthracene	25.68	278	7232	0.24	ng/ul	98
26) Benzo(g,h,i)perylene	26.35	276	8162	0.25	ng/ul	99

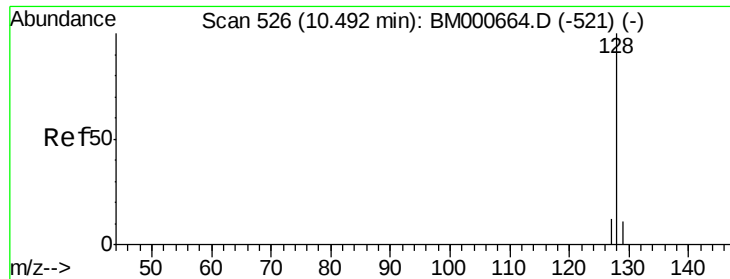
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.21 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

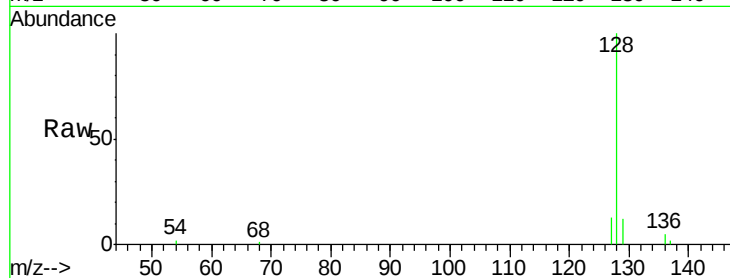
Tgt Ion:128 Resp: 8540

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

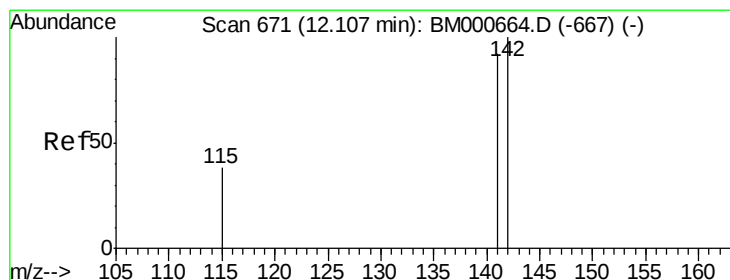
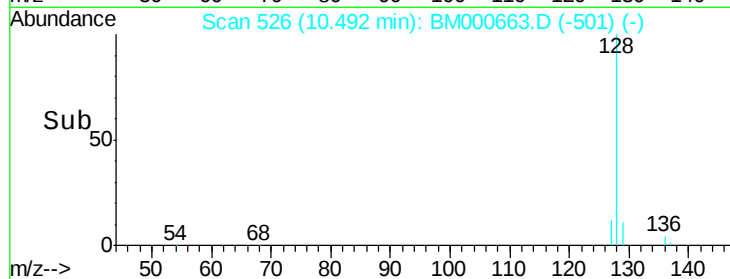
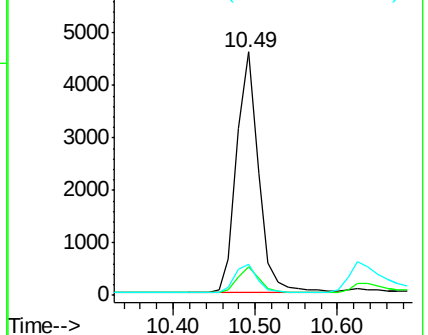
127 12.9 10.1 15.1



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: 12.12 min Scan# 672

Delta R.T. 0.01 min

Lab File: BM000663.D

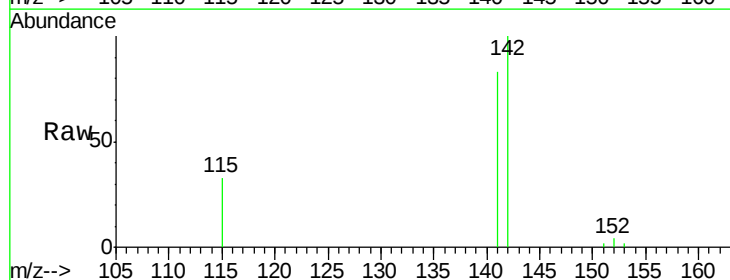
Acq: 09 Mar 2015 16:34

Tgt Ion:142 Resp: 5374

Ion Ratio Lower Upper

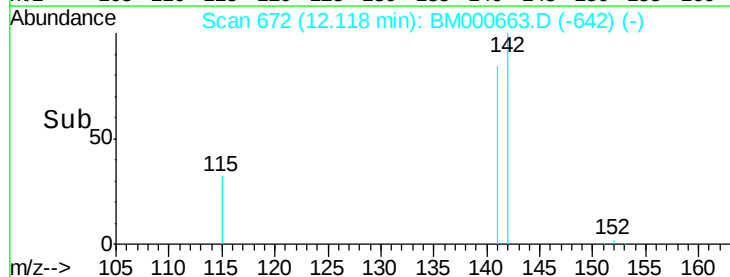
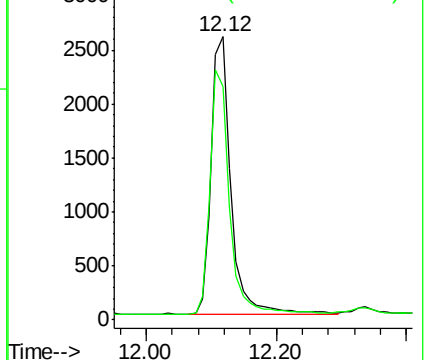
142 100

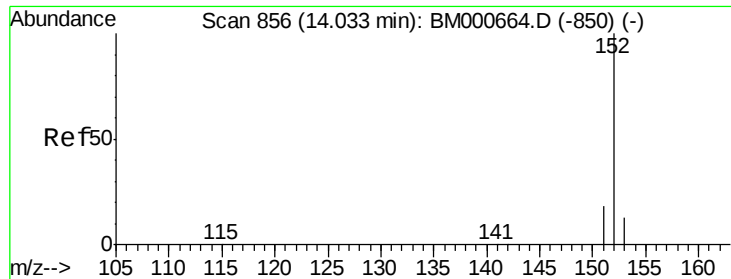
141 88.4 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.31 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

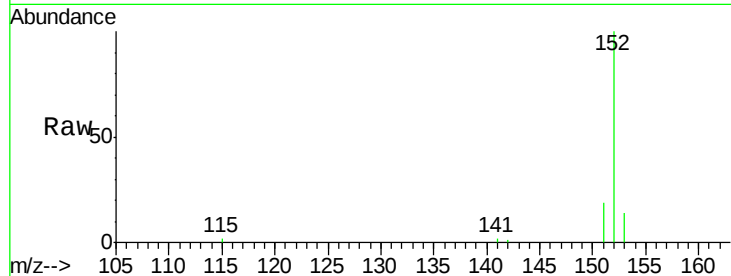
Tgt Ion:152 Resp: 6739

Ion Ratio Lower Upper

152 100

151 19.0 15.0 22.6

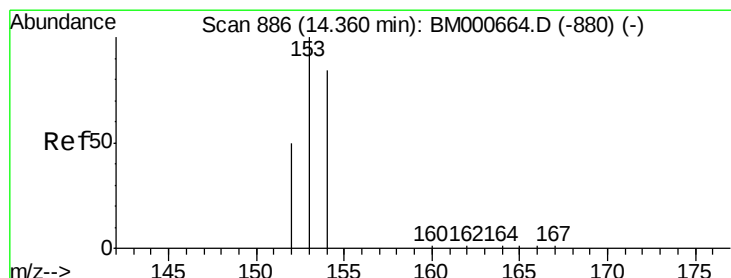
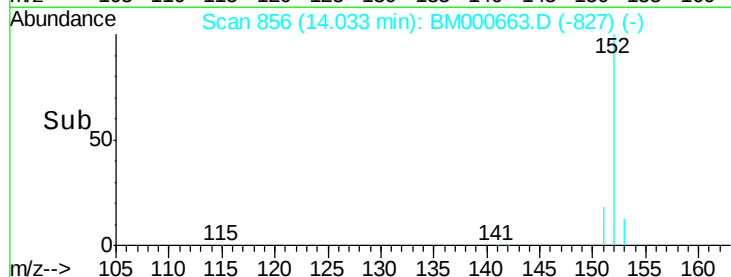
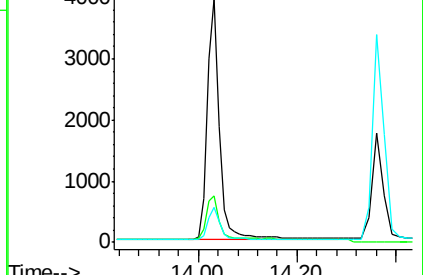
153 14.2 11.3 16.9



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



#8

Acenaphthene

Concen: 0.30 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

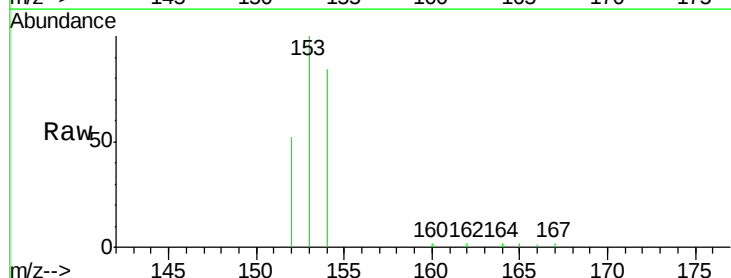
Tgt Ion:153 Resp: 5019

Ion Ratio Lower Upper

153 100

152 52.2 41.0 61.4

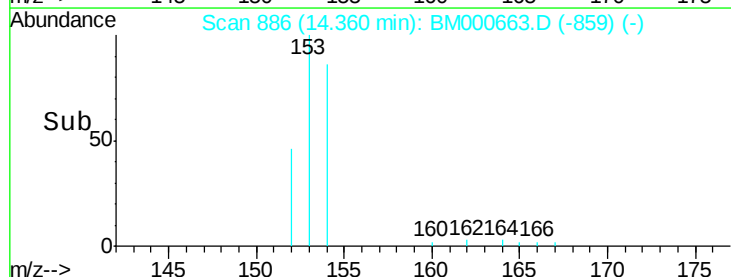
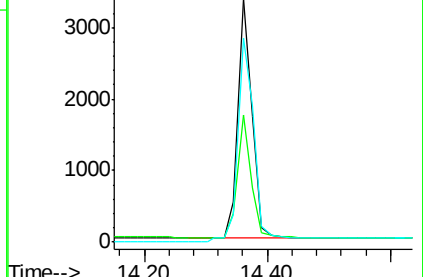
154 83.7 66.3 99.5

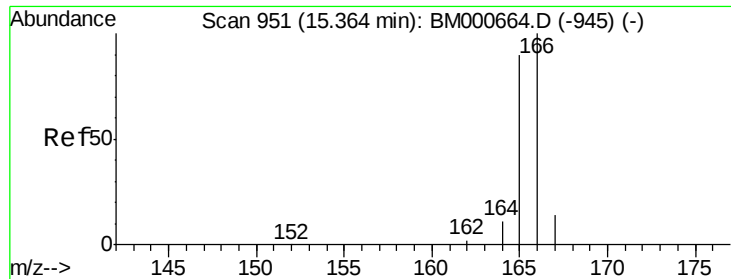


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

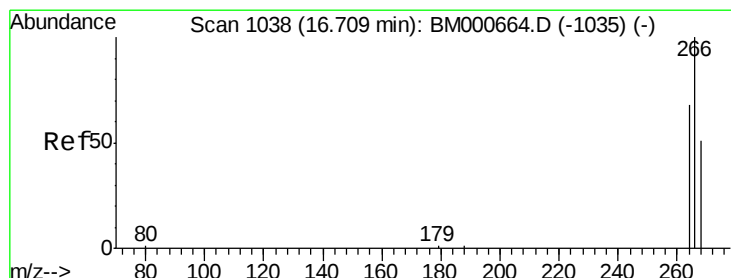
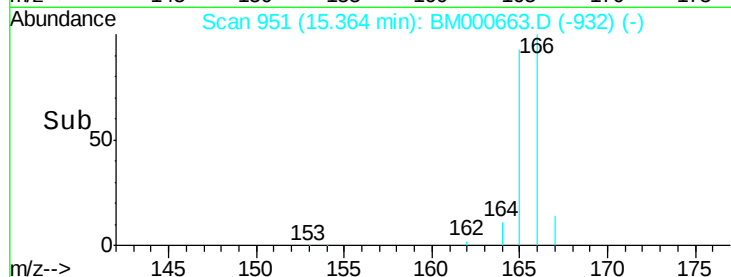
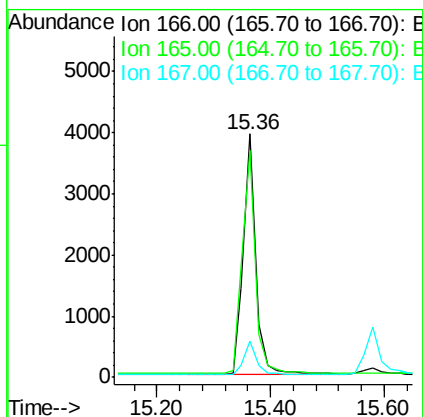
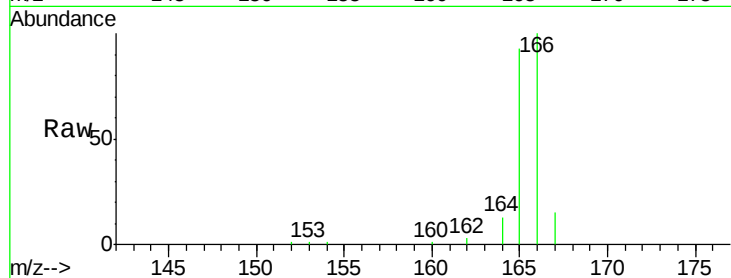




#9
Fluorene
 Concen: 0.29 ng/ul
 RT: 15.36 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM000663.D
 Acq: 09 Mar 2015 16:34

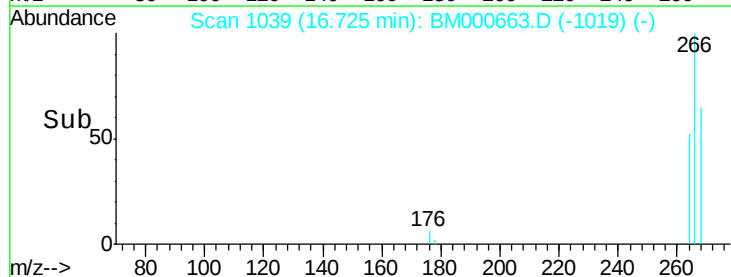
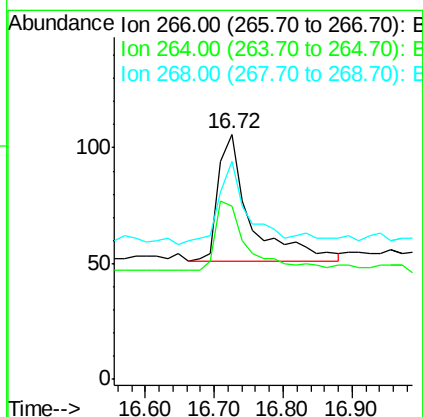
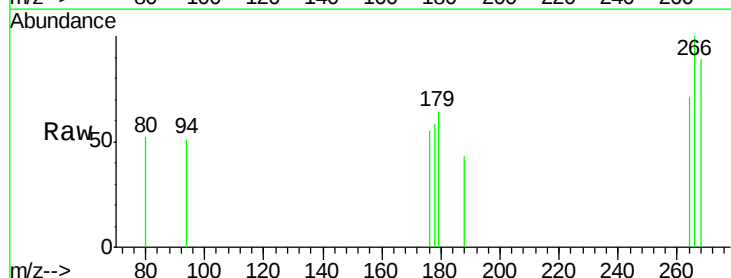
Instrument :
 BNA_M
 ClientSampleId :
 SST0.248

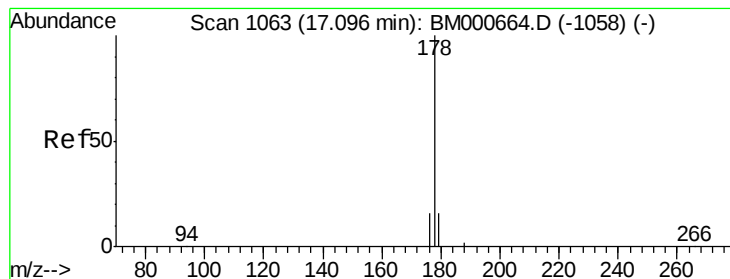
Tgt Ion:166 Resp: 6073
 Ion Ratio Lower Upper
 166 100
 165 93.0 72.3 108.5
 167 14.8 11.8 17.6



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.02 min
 Lab File: BM000663.D
 Acq: 09 Mar 2015 16:34

Tgt Ion:266 Resp: 177
 Ion Ratio Lower Upper
 266 100
 264 54.2 50.7 76.1
 268 61.6 44.5 66.7





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

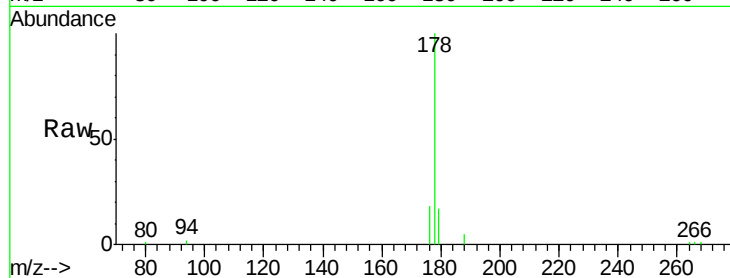
Tgt Ion:178 Resp: 9058

Ion Ratio Lower Upper

178 100

176 17.5 13.5 20.3

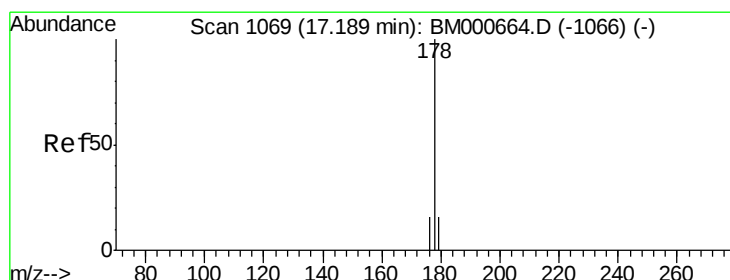
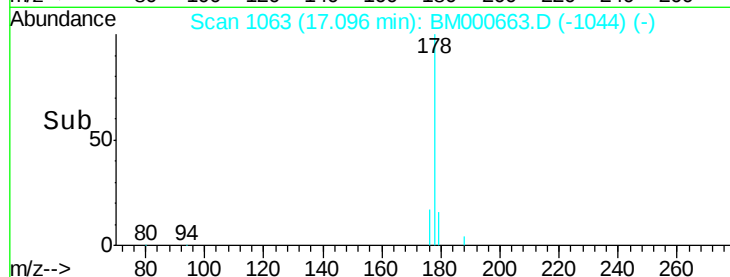
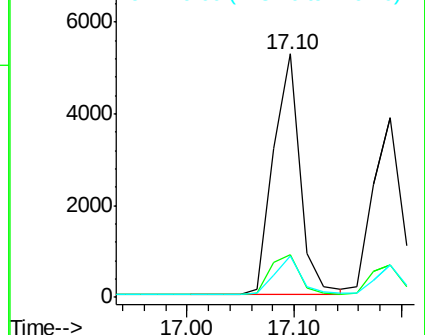
179 17.2 13.8 20.6



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: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

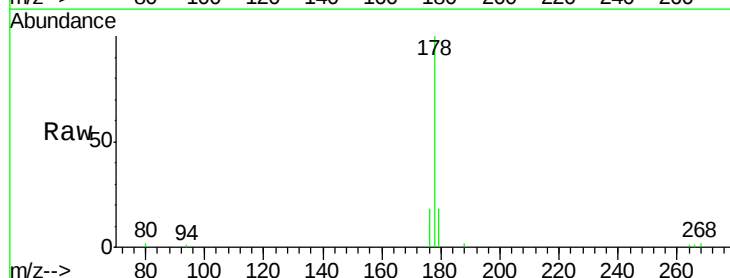
Tgt Ion:178 Resp: 7943

Ion Ratio Lower Upper

178 100

176 17.7 13.8 20.6

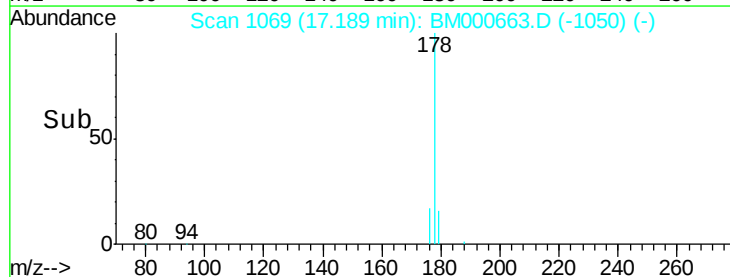
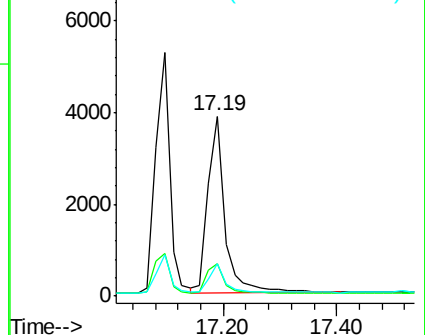
179 18.0 13.8 20.8

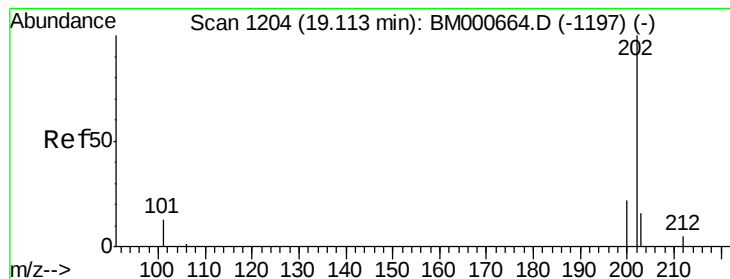


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.11 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

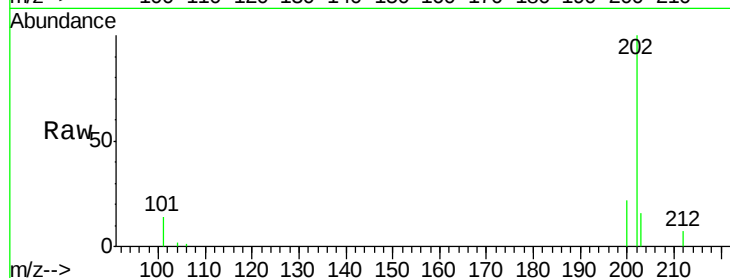
Tgt Ion:202 Resp: 9686

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.7

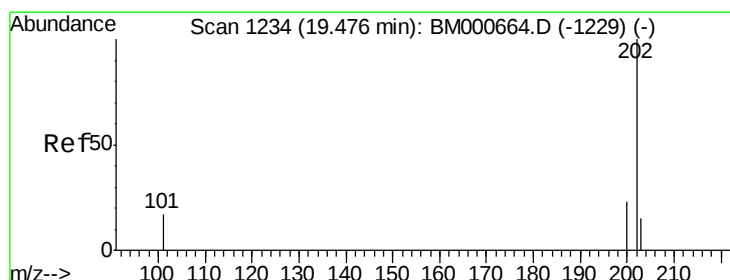
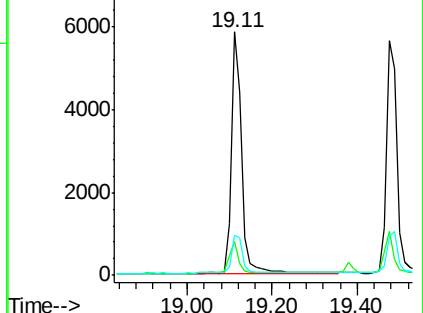
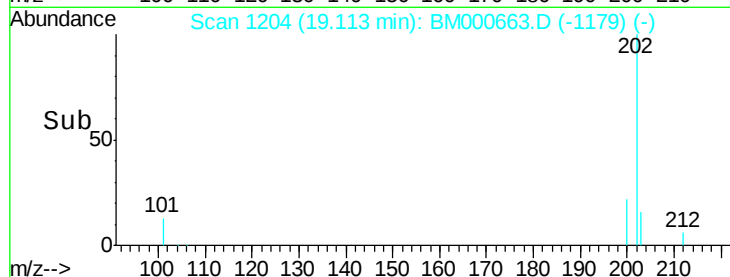
203 16.4 0.0 36.0



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: 0.18 ng/ul

RT: 19.48 min Scan# 1234

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

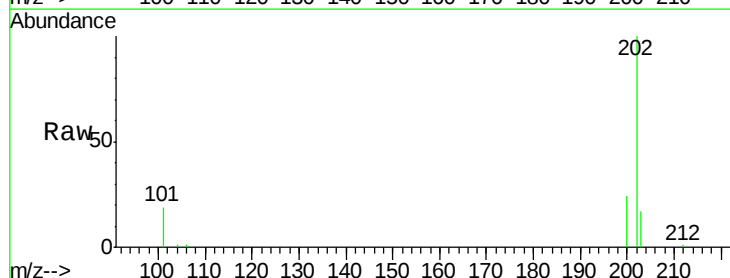
Tgt Ion:202 Resp: 9828

Ion Ratio Lower Upper

202 100

200 23.7 18.3 27.5

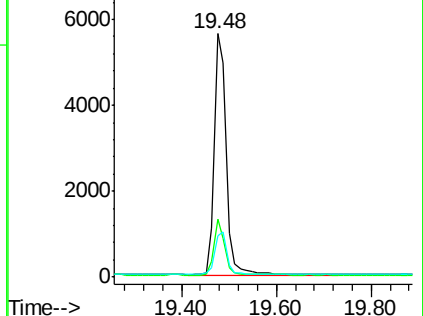
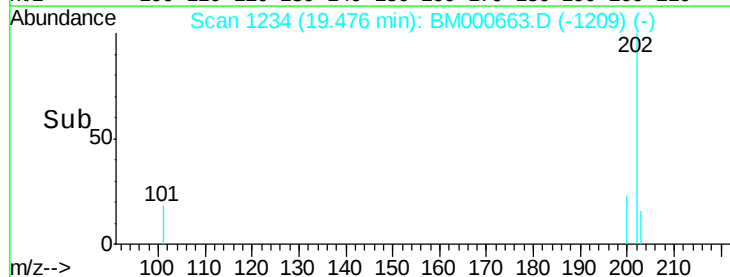
203 16.7 12.7 19.1

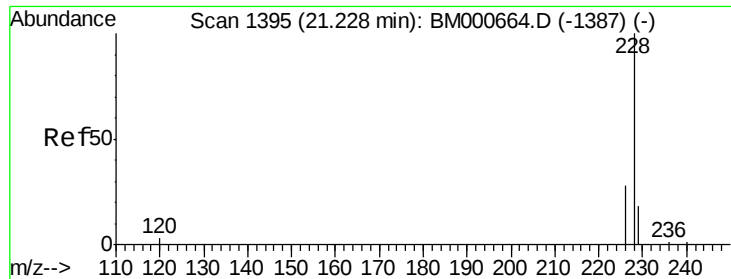


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.19 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

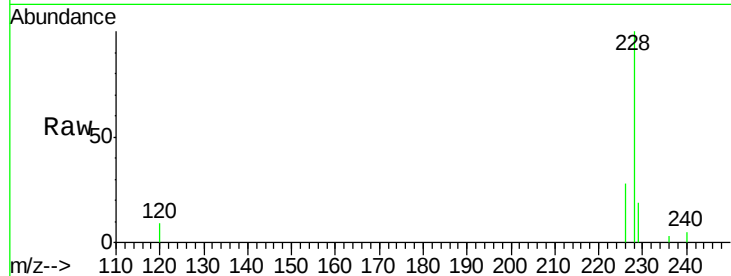
Tgt Ion:228 Resp: 7499

Ion Ratio Lower Upper

228 100

226 28.4 22.8 34.2

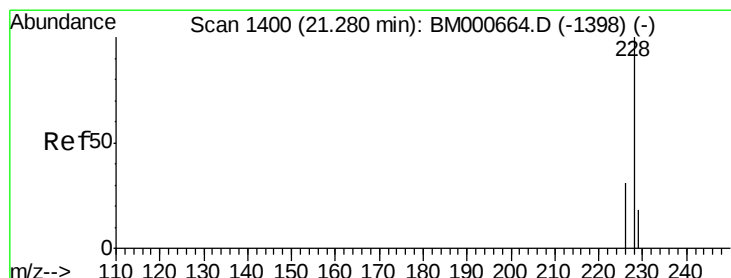
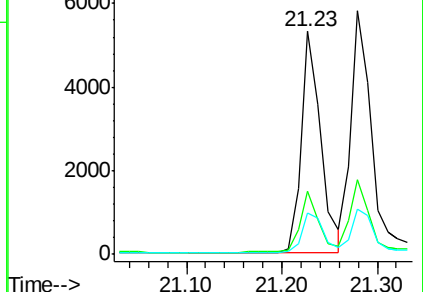
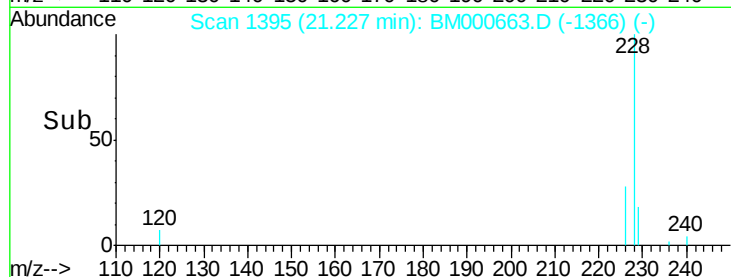
229 18.5 14.8 22.2



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: 21.28 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

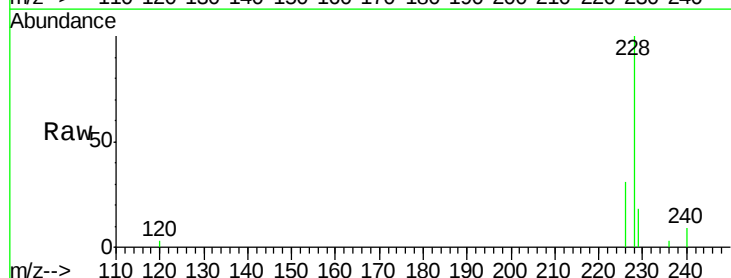
Tgt Ion:228 Resp: 9249

Ion Ratio Lower Upper

228 100

226 30.8 25.1 37.7

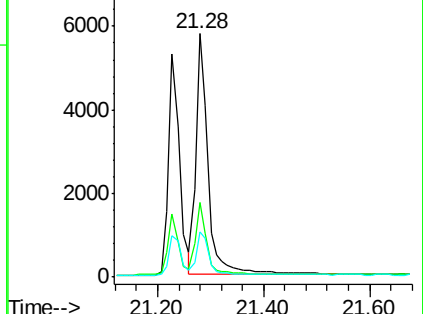
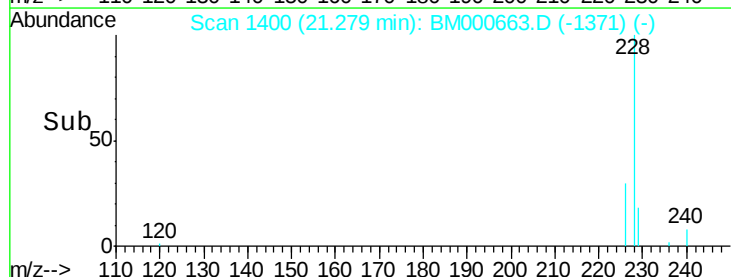
229 18.4 14.7 22.1

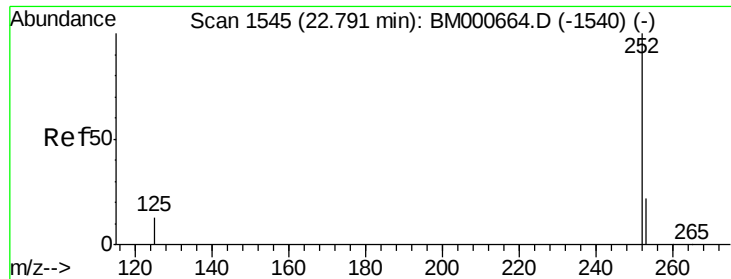


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

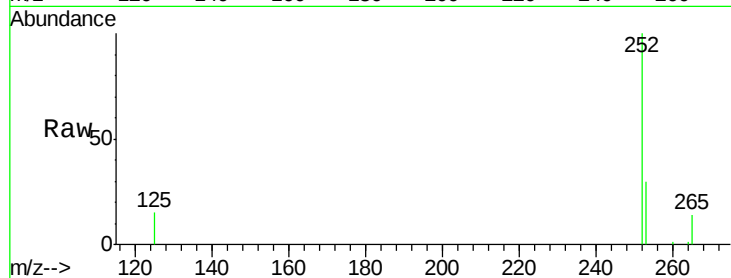
Tgt Ion:252 Resp: 8146

Ion Ratio Lower Upper

252 100

253 29.6 0.0 51.4

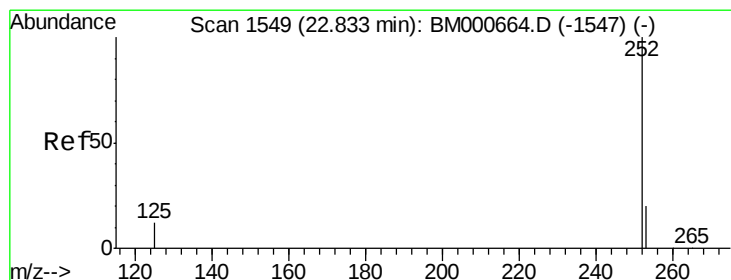
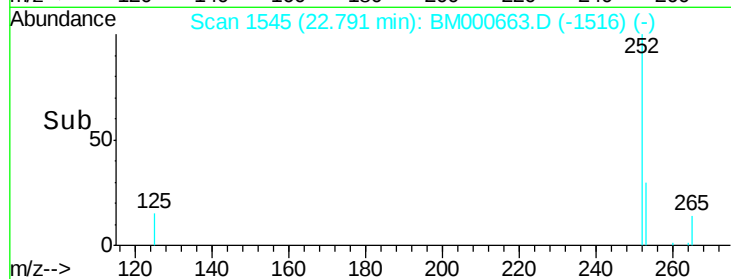
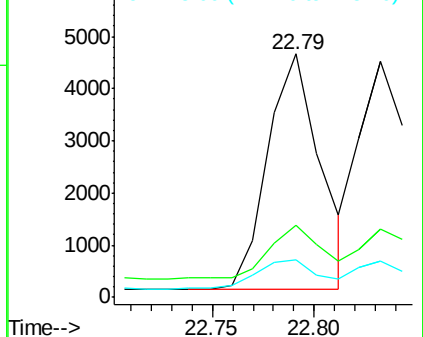
125 15.2 0.0 28.6



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/u1

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

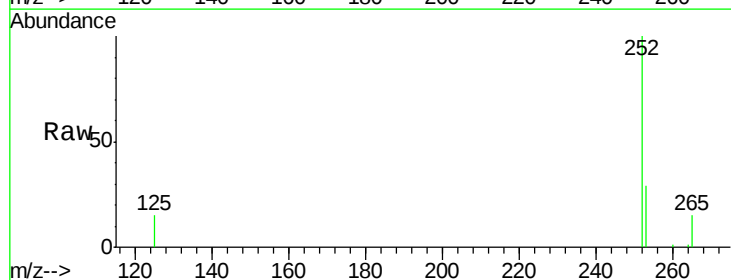
Tgt Ion:252 Resp: 8827

Ion Ratio Lower Upper

252 100

253 29.0 20.3 30.5

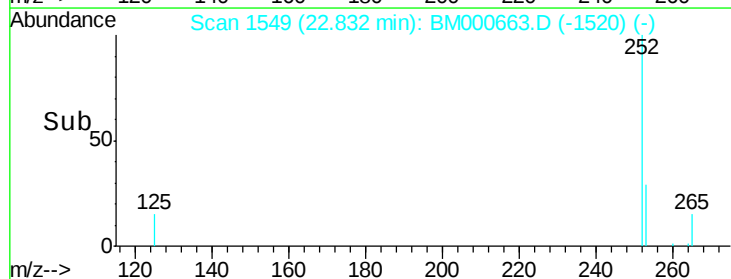
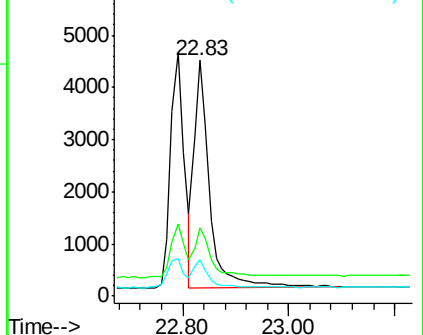
125 15.4 11.6 17.4

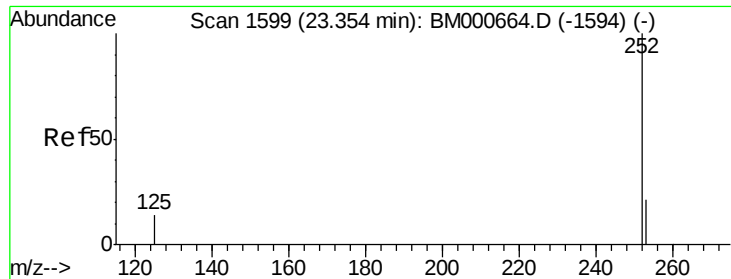


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.248

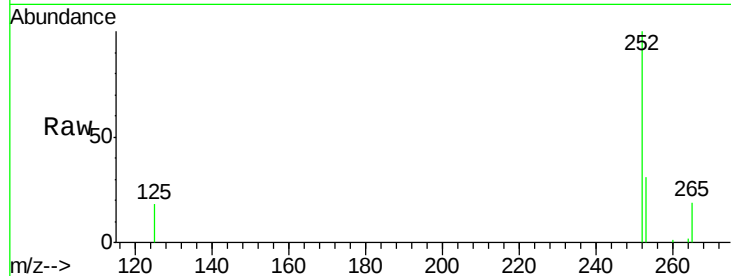
Tgt Ion:252 Resp: 7803

Ion Ratio Lower Upper

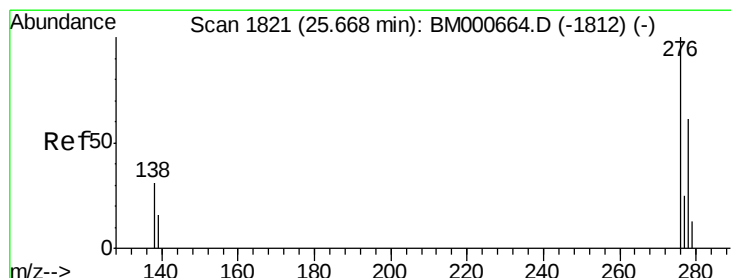
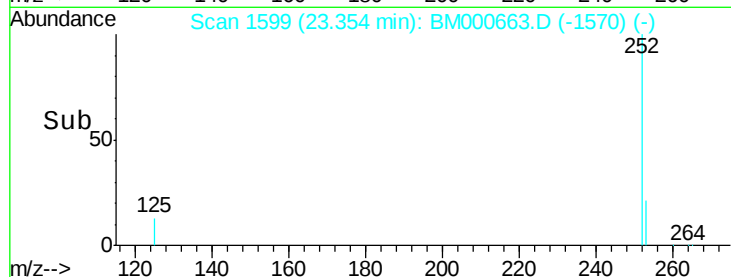
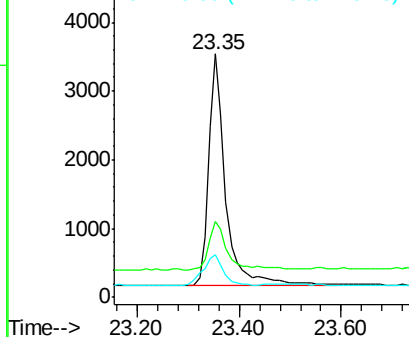
252 100

253 31.4 21.3 31.9

125 17.6 13.2 19.8



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: 0.24 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM000663.D

Acq: 09 Mar 2015 16:34

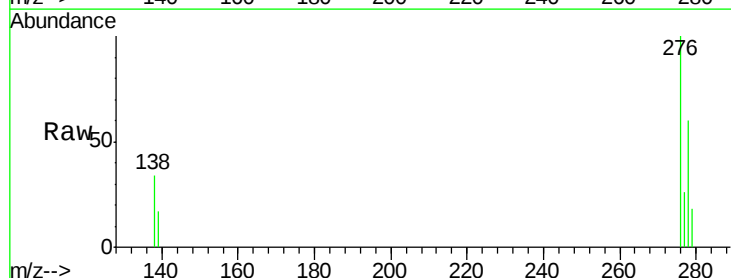
Tgt Ion:276 Resp: 8992

Ion Ratio Lower Upper

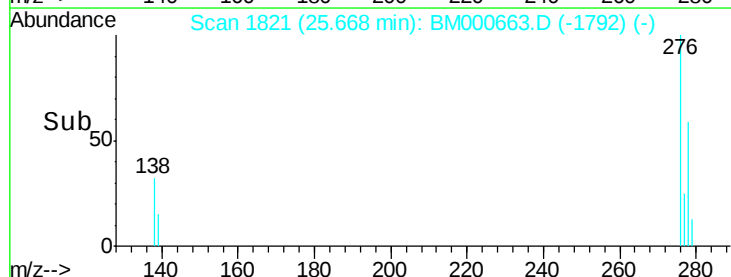
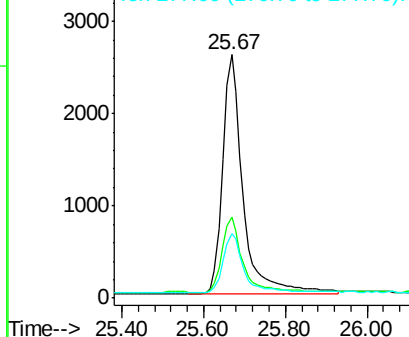
276 100

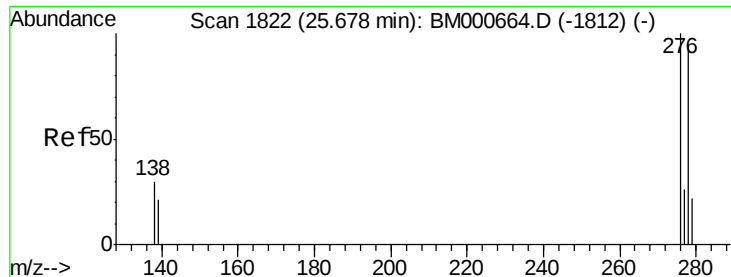
138 31.9 25.8 38.8

277 24.5 20.2 30.4



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

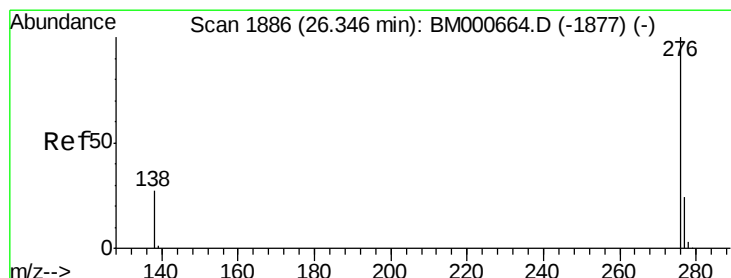
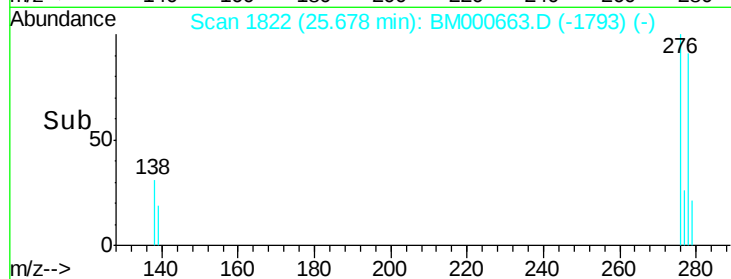
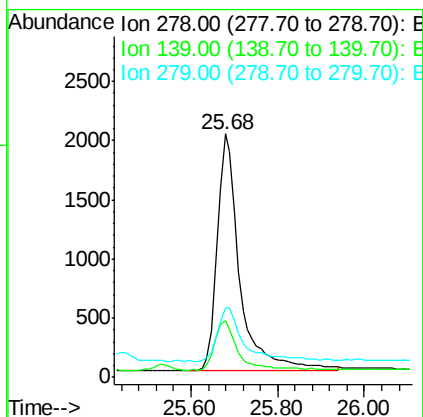
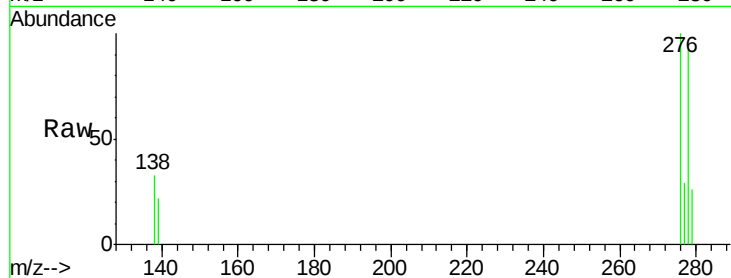




#25
Dibenzo(a,h)anthracene
Concen: 0.24 ng/ul
RT: 25.68 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BM000663.D
Acq: 09 Mar 2015 16:34

Instrument :
BNA_M
ClientSampleId :
SSTD0.248

Tgt Ion:278 Resp: 7232
Ion Ratio Lower Upper
278 100
139 23.4 18.8 28.2
279 28.7 21.4 32.0



#26
Benzo(g,h,i)perylene
Concen: 0.25 ng/ul
RT: 26.35 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BM000663.D
Acq: 09 Mar 2015 16:34

Tgt Ion:276 Resp: 8162
Ion Ratio Lower Upper
276 100
277 25.5 19.9 29.9
138 28.4 22.2 33.4

