

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092116\
 Data File : BM007501.D
 Acq On : 21 Sep 2016 20:47
 Operator : UM/SJ
 Sample : SSTDICC0.837
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.837

Quant Time: Sep 22 01:14:35 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 01:14:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	1502	0.40	ng/ul	0.00
2) Naphthalene-d8	10.57	136	5746	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.42	164	3373	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	8575	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	9801	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	9098	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.16	152	5364	0.76	ng/ul	-0.01
14) Fluoranthene-d10	19.19	212	16063	0.84	ng/ul	0.00

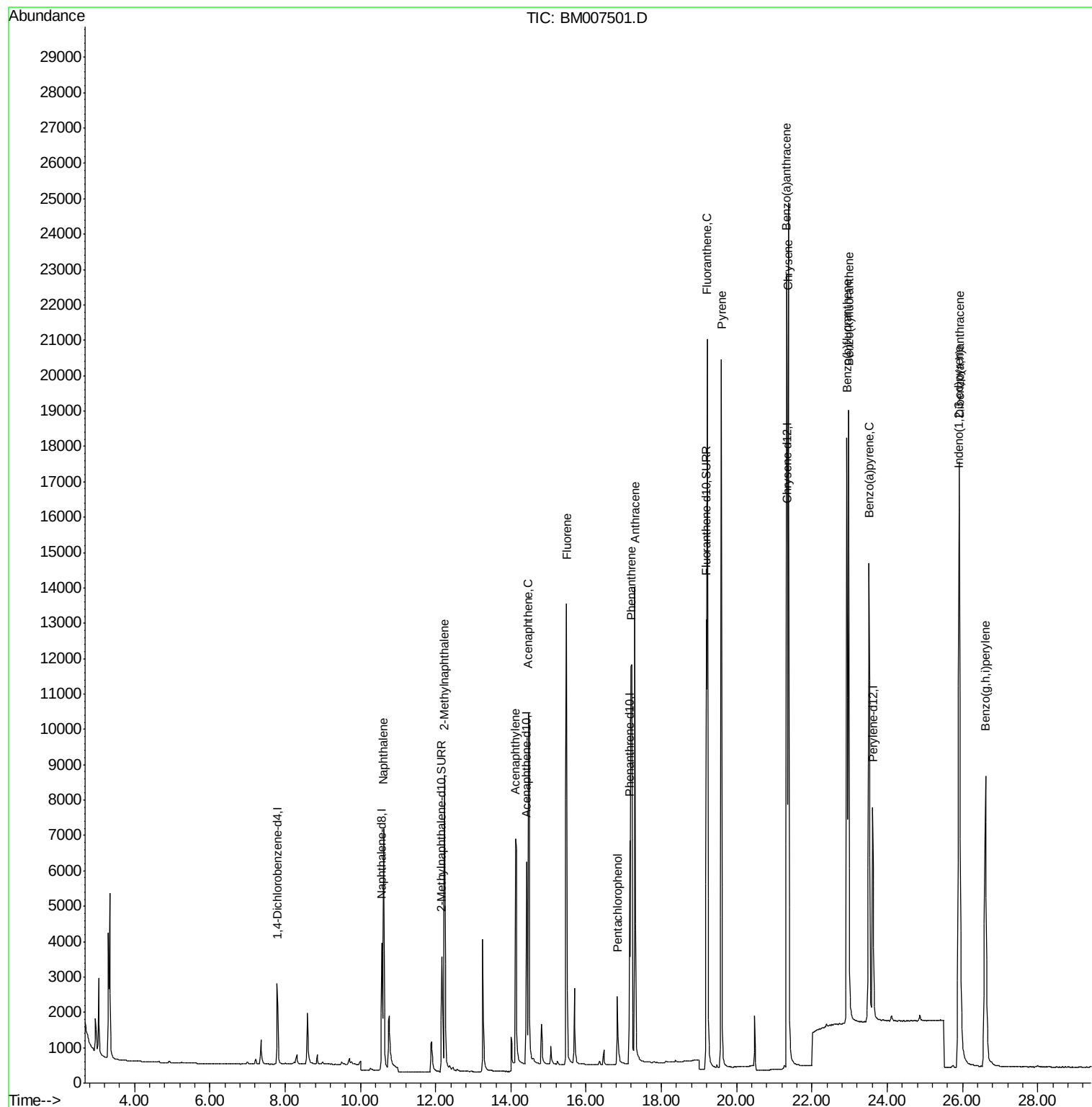
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.62	128	10475	0.74	ng/ul	97
5) 2-Methylnaphthalene	12.24	142	7243	0.76	ng/ul	100
7) Acenaphthylene	14.13	152	11371	0.66	ng/ul	94
8) Acenaphthene	14.47	153	8789	0.77	ng/ul#	82
9) Fluorene	15.48	166	10819	0.81	ng/ul	91
11) Pentachlorophenol	16.83	266	1830	0.84	ng/ul	98
12) Phenanthrene	17.21	178	18714	0.79	ng/ul	98
13) Anthracene	17.30	178	17263	0.77	ng/ul	98
15) Fluoranthene	19.22	202	23739	0.84	ng/ul	90
17) Pyrene	19.59	202	24675	0.78	ng/ul	99
18) Benzo(a)anthracene	21.32	228	22751	0.76	ng/ul	93
19) Chrysene	21.38	228	23837	0.81	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	25349	0.78	ng/ul	97
22) Benzo(k)fluoranthene	22.97	252	22937	0.83	ng/ul	95
23) Benzo(a)pyrene	23.51	252	22333	0.79	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.90	276	23527	0.69	ng/ul	100
25) Dibenzo(a,h)anthracene	25.91	278	17966	0.68	ng/ul	96
26) Benzo(g,h,i)perylene	26.61	276	20893	0.72	ng/ul	97

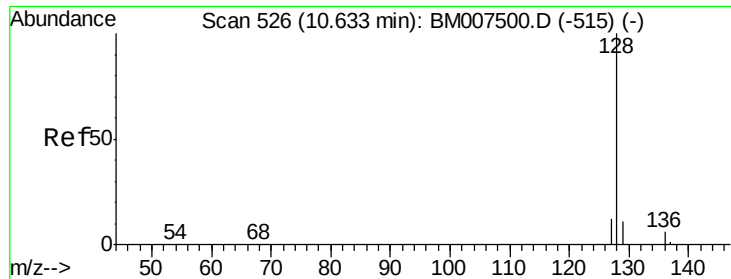
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.74 ng/ul

RT: 10.62 min Scan# 525

Delta R.T. -0.01 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

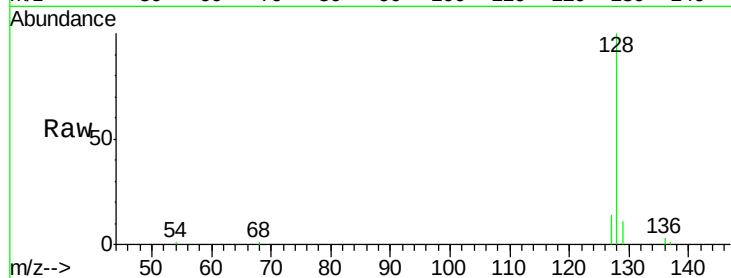
Tgt Ion:128 Resp: 10475

Ion Ratio Lower Upper

128 100

129 11.4 10.7 16.1

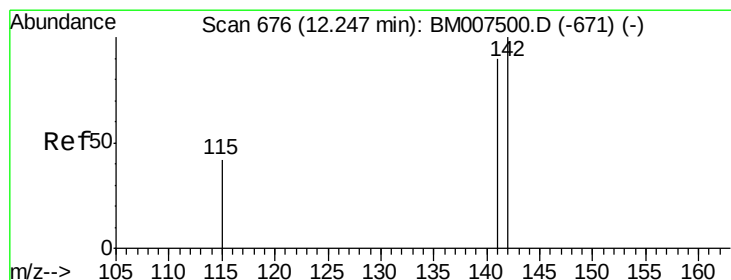
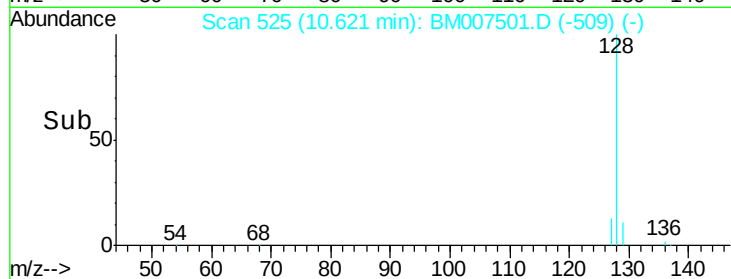
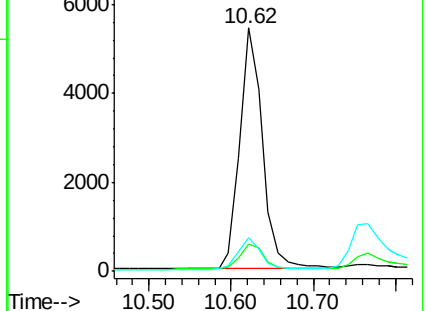
127 13.8 11.3 16.9



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: 0.76 ng/ul

RT: 12.24 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM007501.D

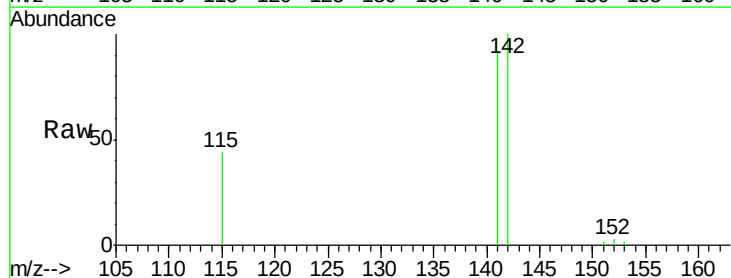
Acq: 21 Sep 2016 20:47

Tgt Ion:142 Resp: 7243

Ion Ratio Lower Upper

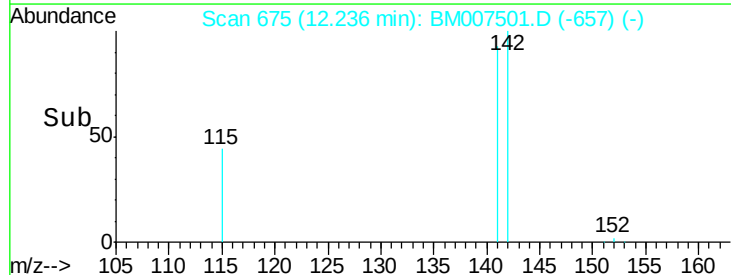
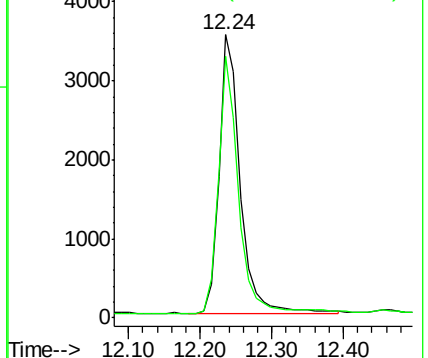
142 100

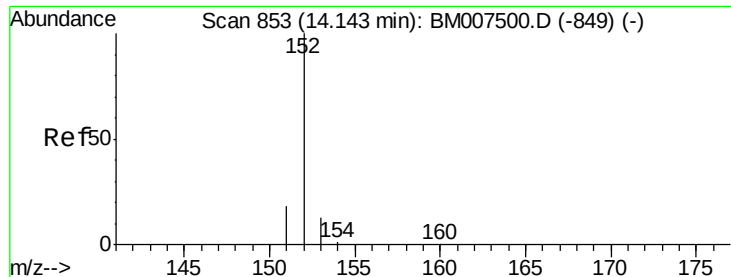
141 90.1 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.66 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. -0.02 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

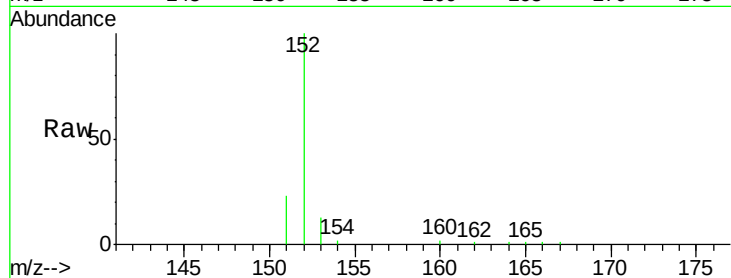
Tgt Ion:152 Resp: 11371

Ion Ratio Lower Upper

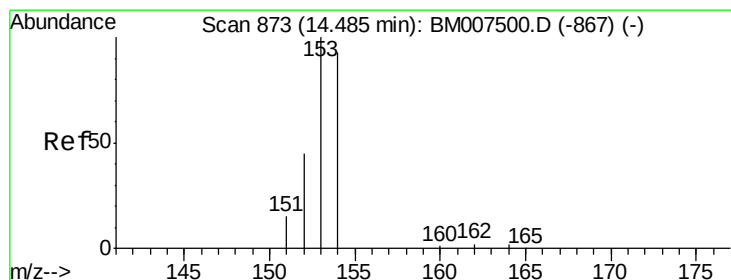
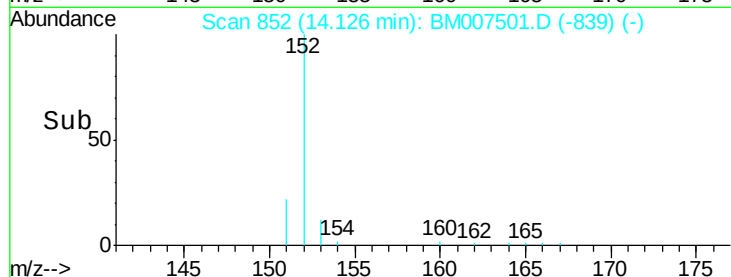
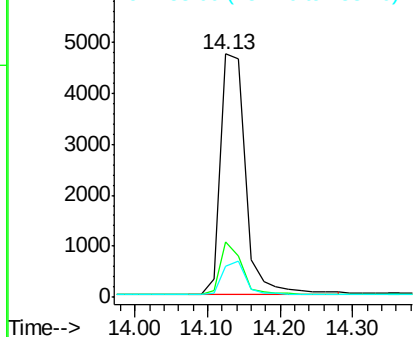
152 100

151 22.7 15.8 23.8

153 12.8 12.2 18.2



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: 0.77 ng/ul

RT: 14.47 min Scan# 872

Delta R.T. -0.02 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

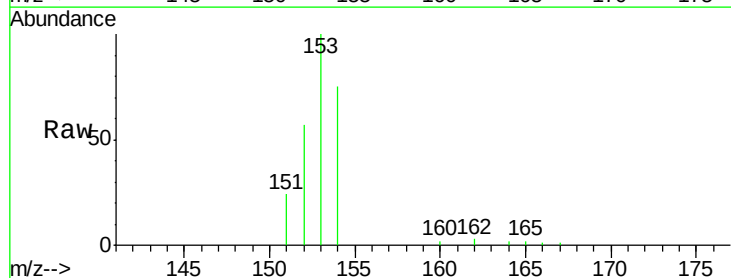
Tgt Ion:153 Resp: 8789

Ion Ratio Lower Upper

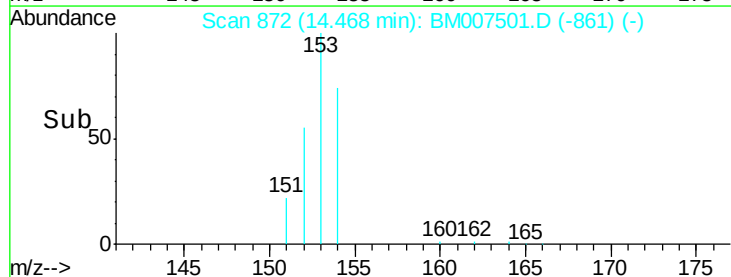
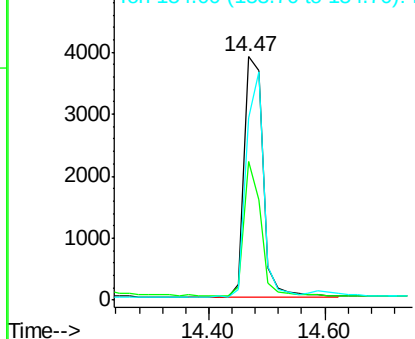
153 100

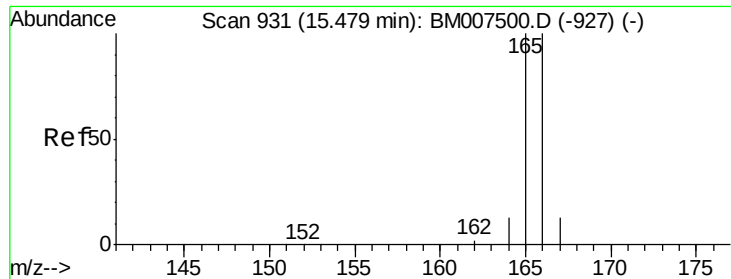
152 56.8 37.6 56.4#

154 74.8 74.6 112.0



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: 0.81 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

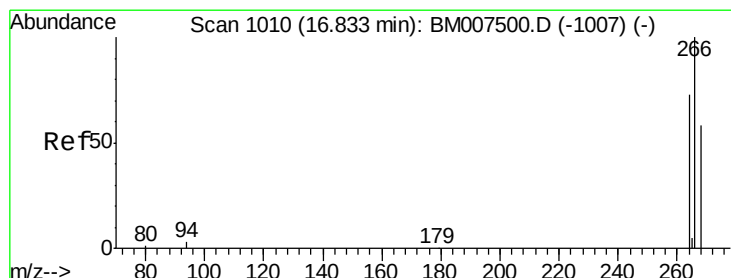
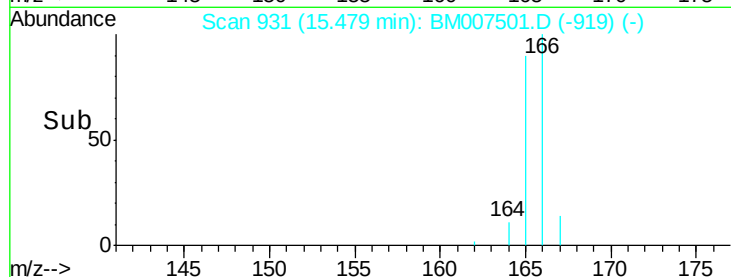
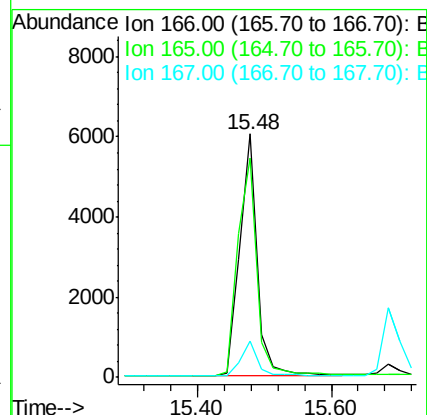
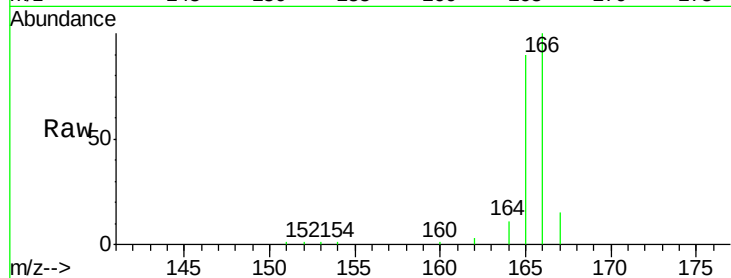
Tgt Ion:166 Resp: 10819

Ion Ratio Lower Upper

166 100

165 90.1 79.8 119.8

167 14.7 11.5 17.3



#11

Pentachlorophenol

Concen: 0.84 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

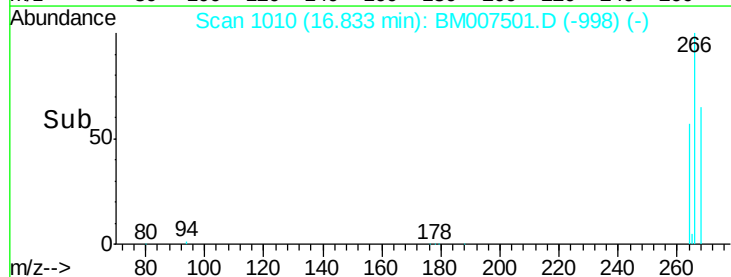
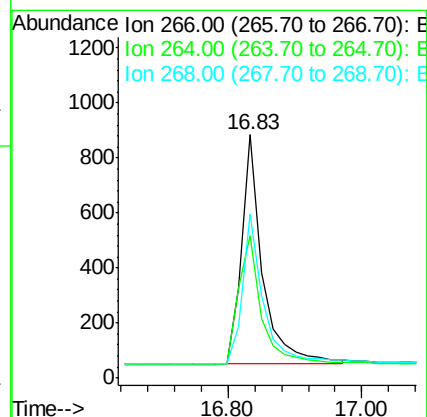
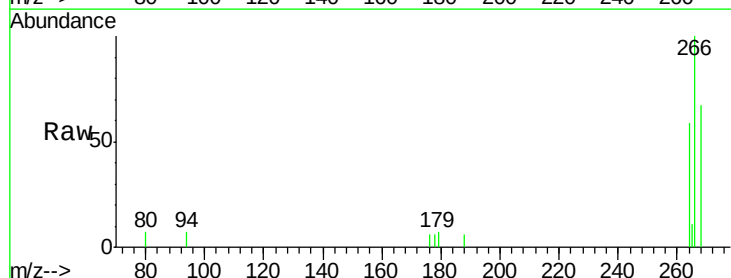
Tgt Ion:266 Resp: 1830

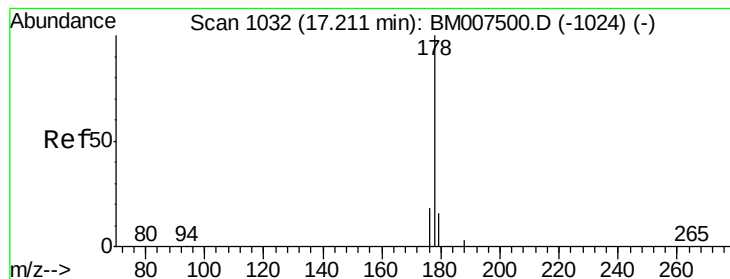
Ion Ratio Lower Upper

266 100

264 63.0 51.4 77.2

268 65.0 52.9 79.3





#12

Phenanthrene

Concen: 0.79 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

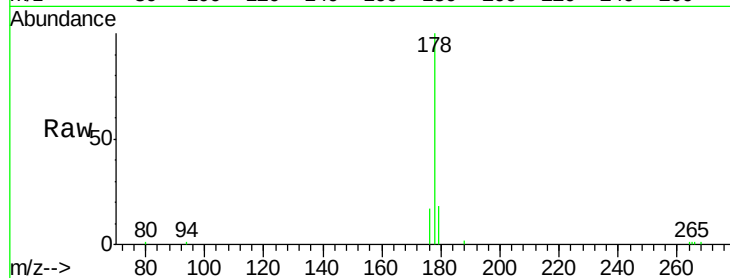
Tgt Ion:178 Resp: 18714

Ion Ratio Lower Upper

178 100

176 17.0 14.9 22.3

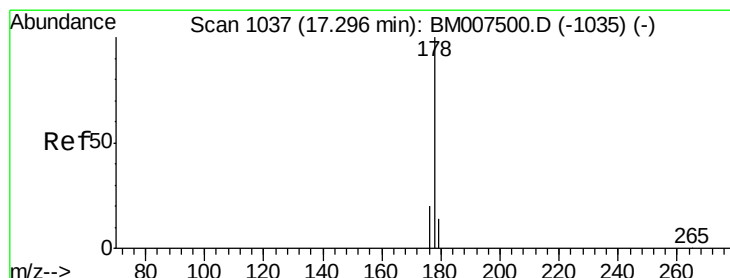
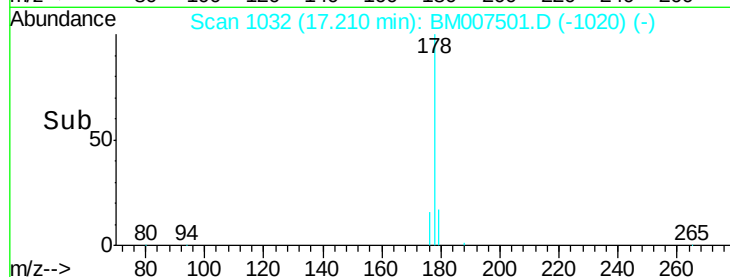
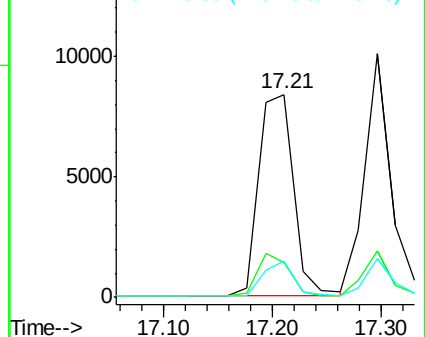
179 17.6 13.7 20.5



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: 0.77 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

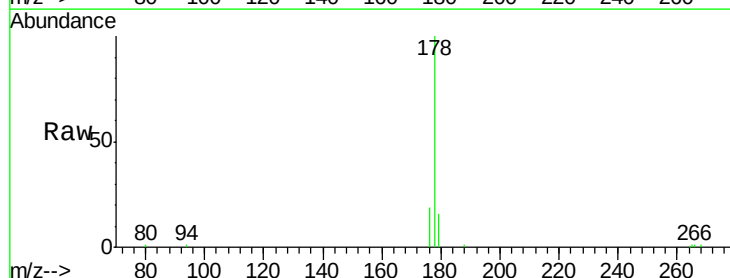
Tgt Ion:178 Resp: 17263

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

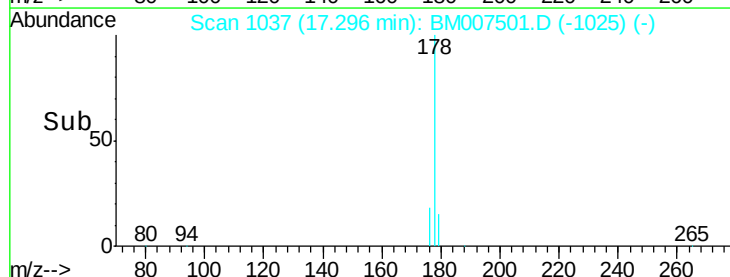
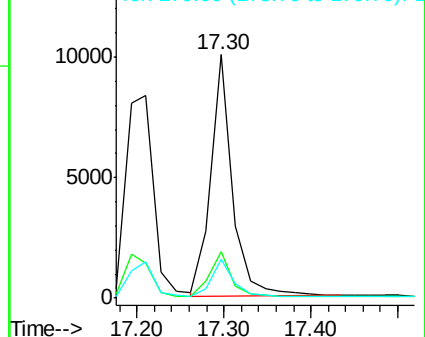
179 15.8 12.5 18.7

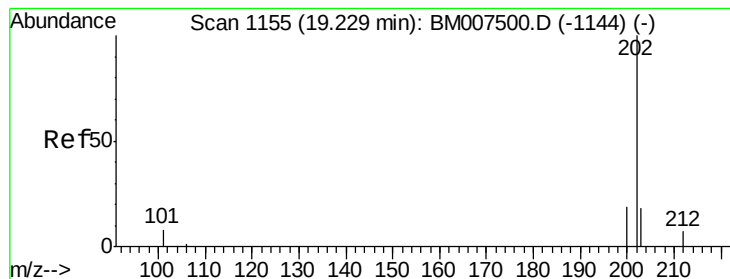


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.84 ng/ul

RT: 19.22 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

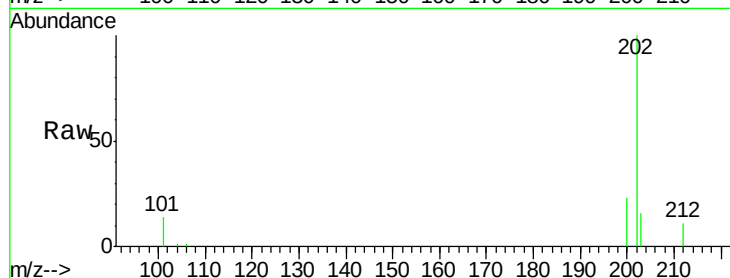
Tgt Ion:202 Resp: 23739

Ion Ratio Lower Upper

202 100

101 14.3 0.0 28.4

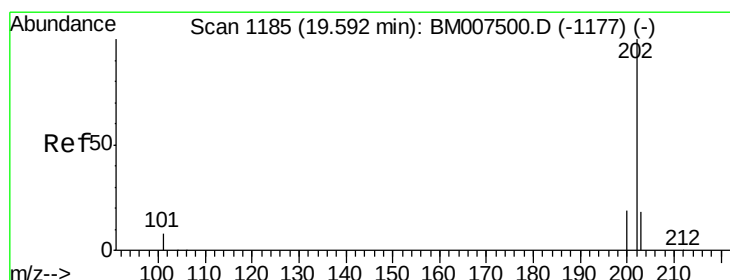
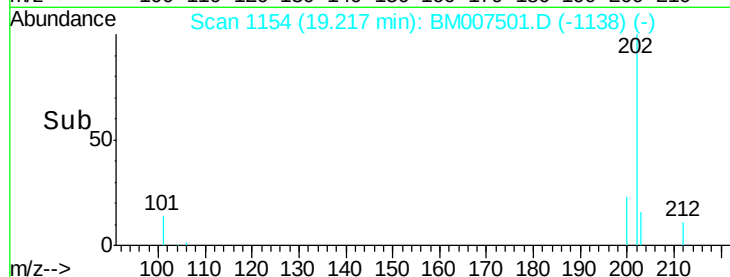
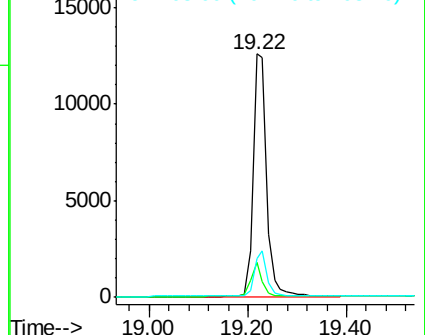
203 16.0 0.0 39.0



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: 0.78 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

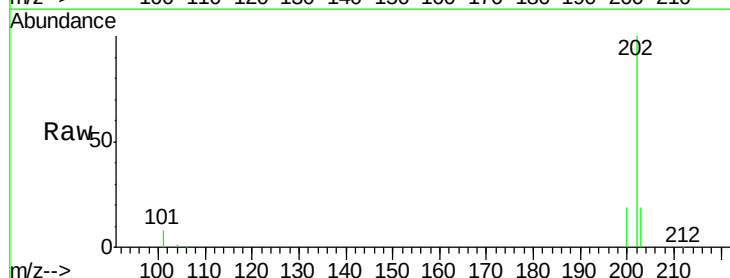
Tgt Ion:202 Resp: 24675

Ion Ratio Lower Upper

202 100

200 18.9 15.9 23.9

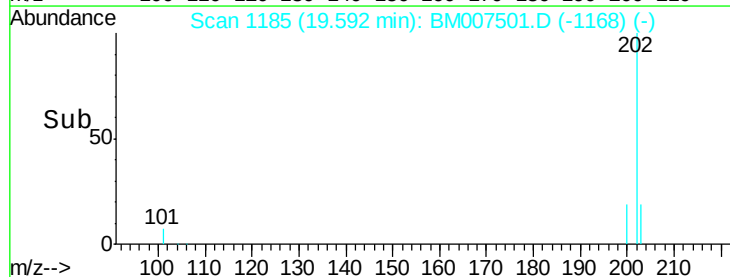
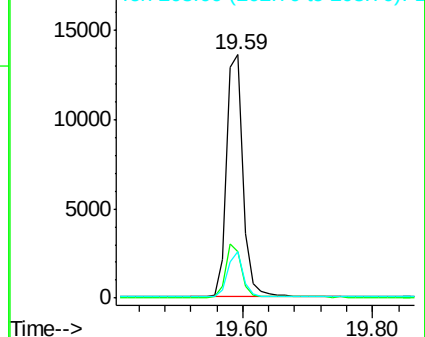
203 19.0 15.0 22.4

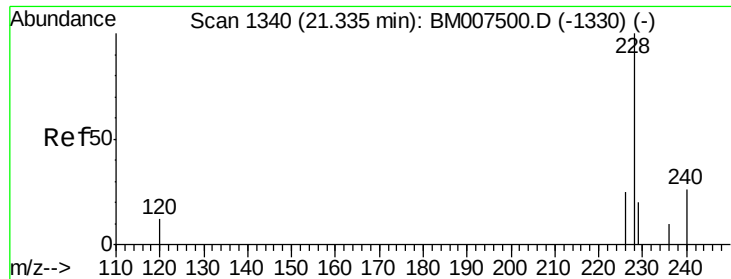


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.76 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

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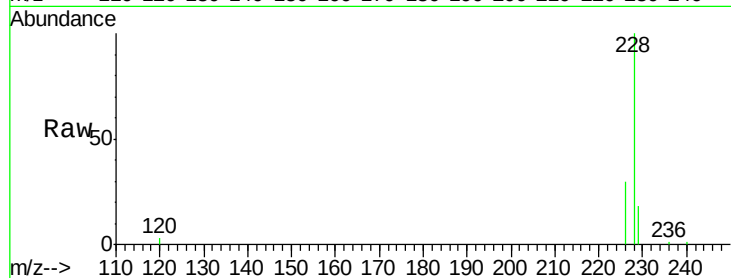
Tgt Ion:228 Resp: 22751

Ion Ratio Lower Upper

228 100

226 29.5 20.2 30.4

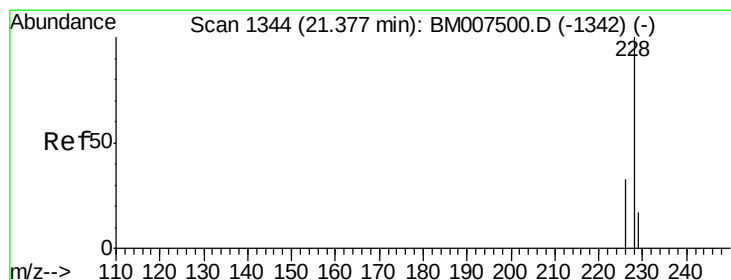
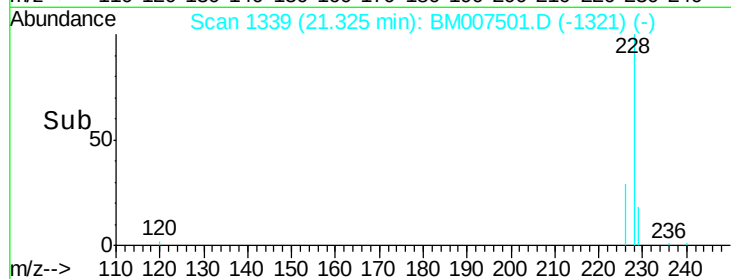
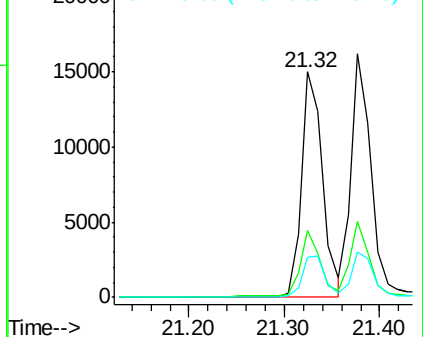
229 17.9 16.7 25.1



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



#19

Chrysene

Concen: 0.81 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

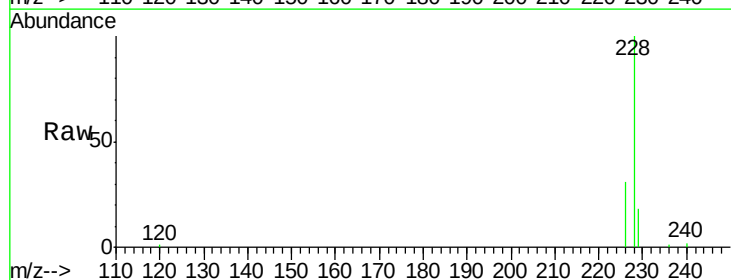
Tgt Ion:228 Resp: 23837

Ion Ratio Lower Upper

228 100

226 31.4 25.9 38.9

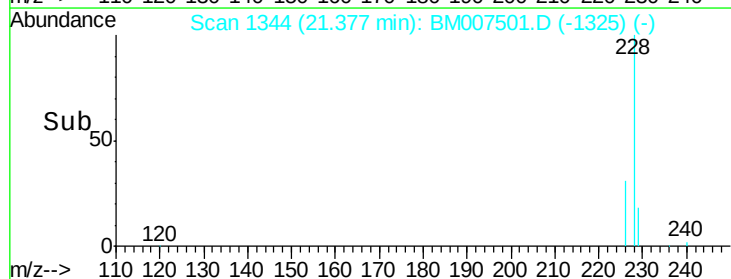
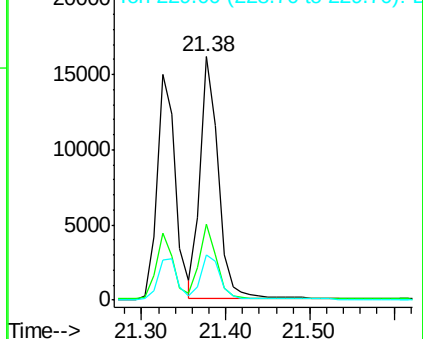
229 18.4 14.7 22.1

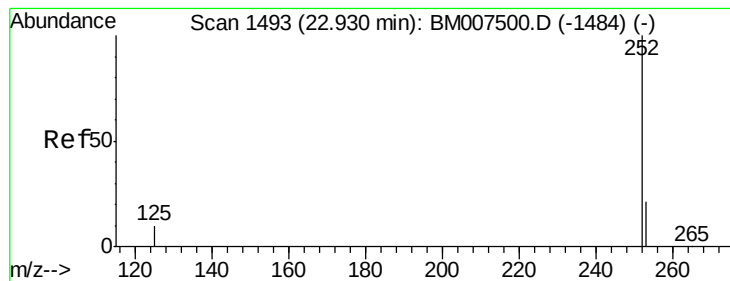


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.78 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

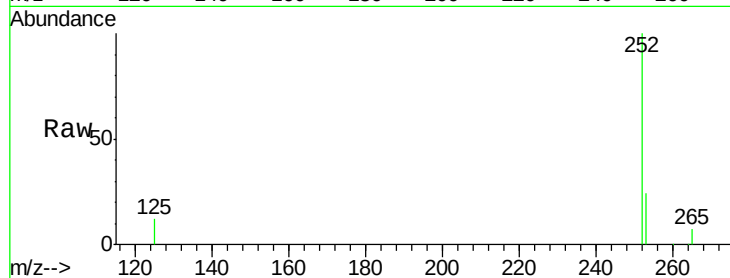
Tgt Ion:252 Resp: 25349

Ion Ratio Lower Upper

252 100

253 23.9 0.0 49.2

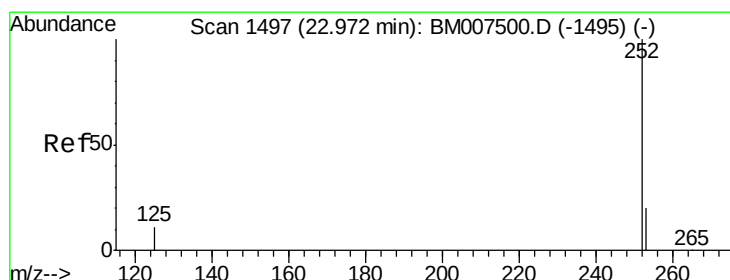
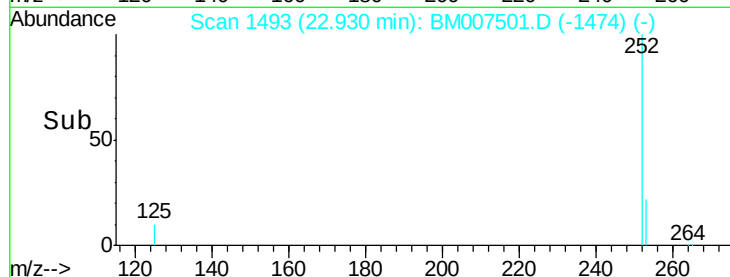
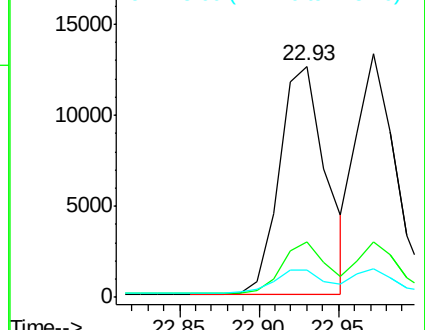
125 11.6 0.0 27.2



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: 0.83 ng/ul

RT: 22.97 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

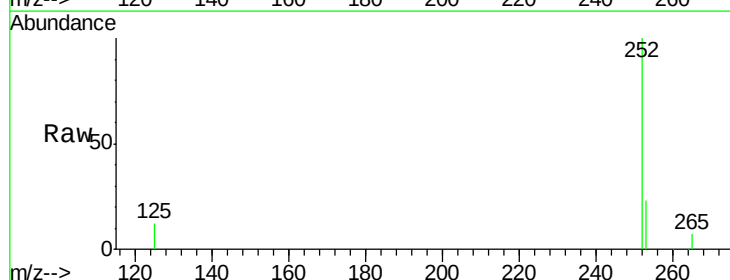
Tgt Ion:252 Resp: 22937

Ion Ratio Lower Upper

252 100

253 22.6 19.7 29.5

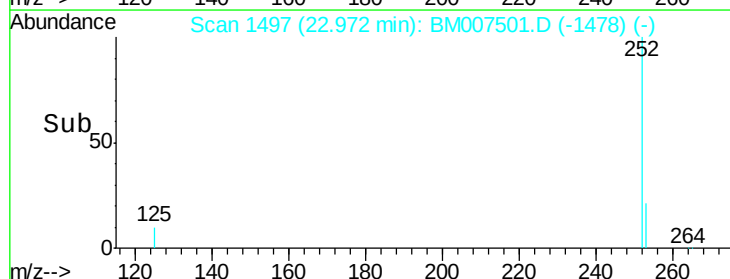
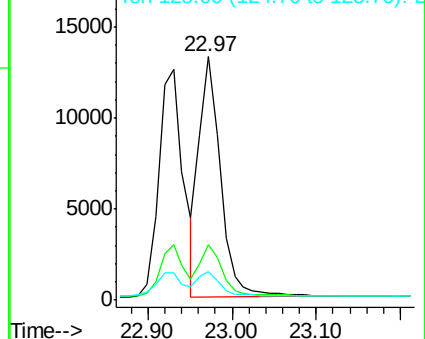
125 12.0 11.5 17.3

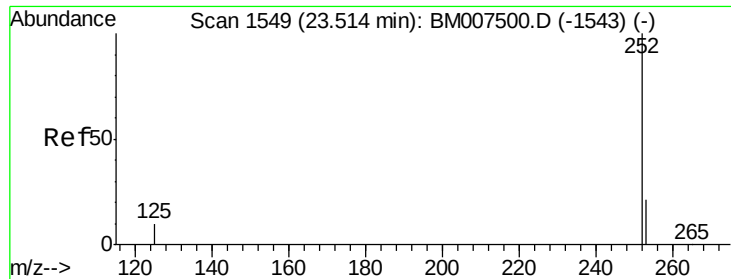


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.79 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.837

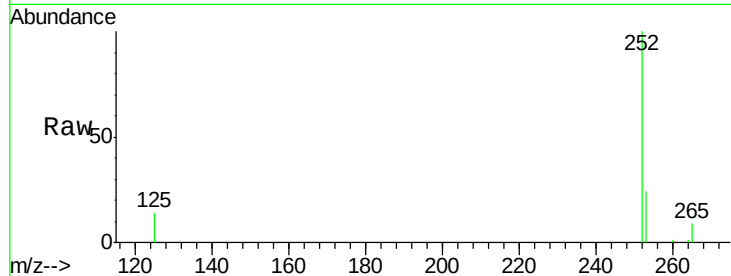
Tgt Ion: 252 Resp: 22333

Ion Ratio Lower Upper

252 100

253 23.8 20.6 31.0

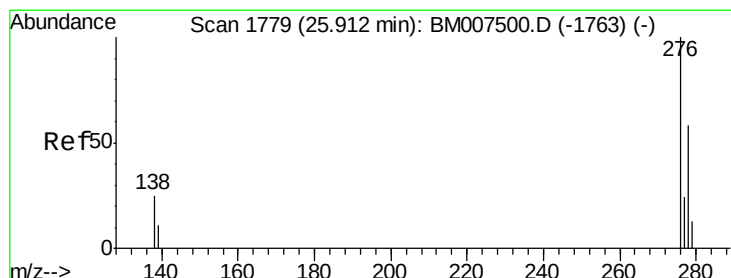
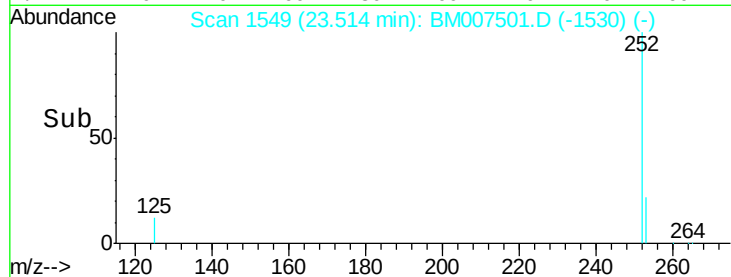
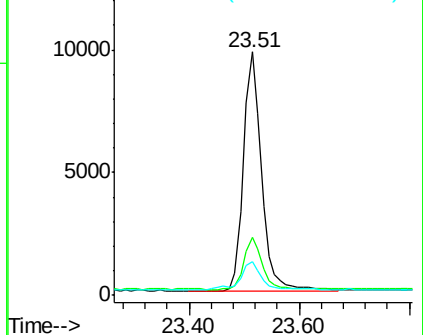
125 13.8 13.4 20.2



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.69 ng/ul

RT: 25.90 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BM007501.D

Acq: 21 Sep 2016 20:47

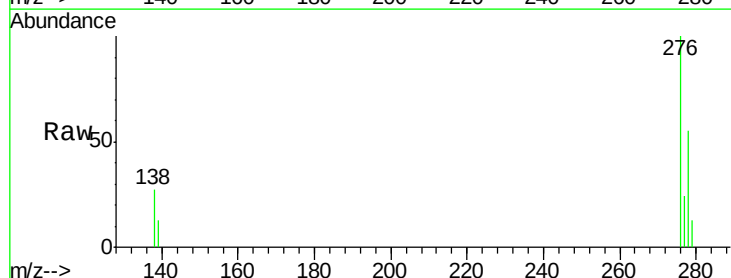
Tgt Ion: 276 Resp: 23527

Ion Ratio Lower Upper

276 100

138 26.1 20.8 31.2

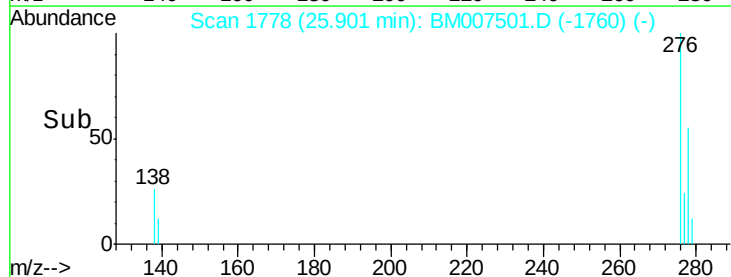
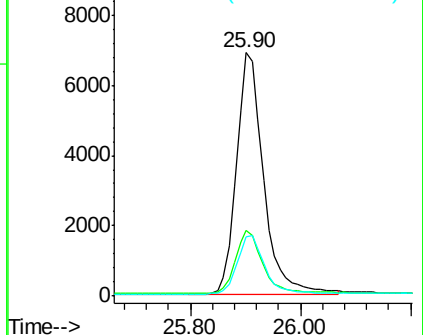
277 24.4 19.6 29.4

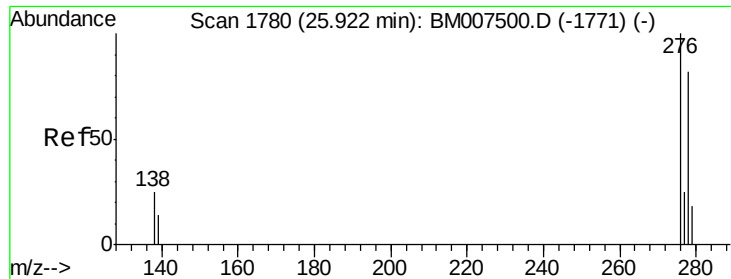


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



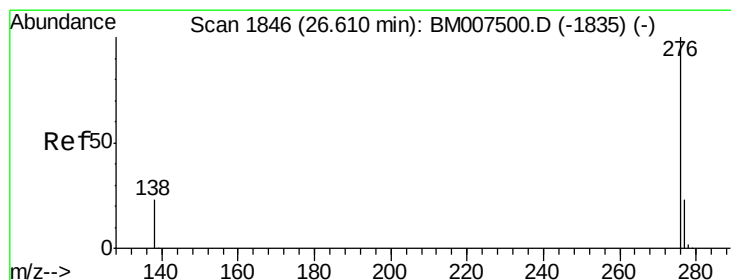
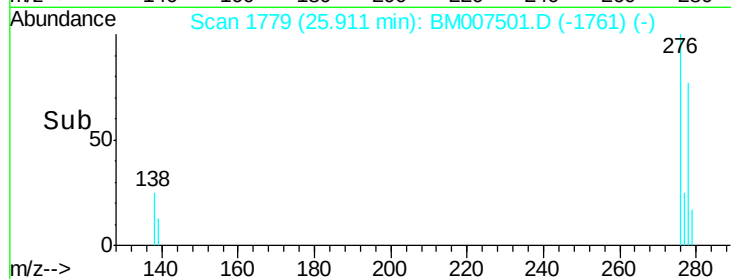
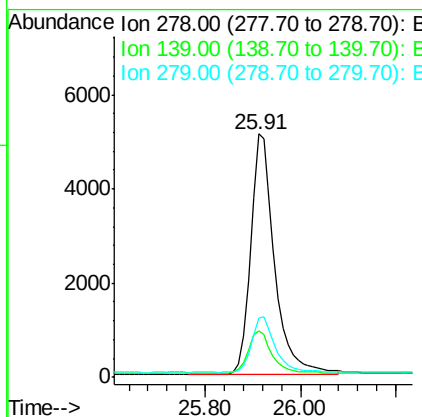
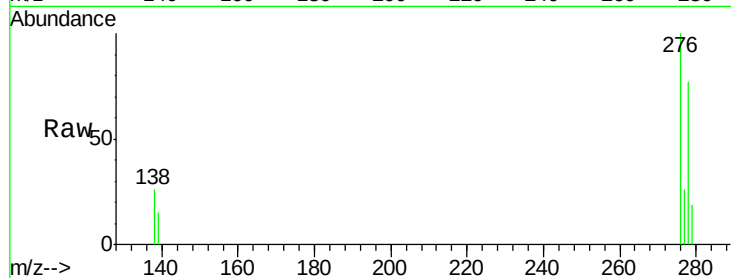


#25
Dibenzo(a,h)anthracene
Concen: 0.68 ng/ul
RT: 25.91 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BM007501.D
Acq: 21 Sep 2016 20:47

Instrument :
BNA_M
ClientSampleId :
SSTD0.837

Tgt Ion: 278 Resp: 17966

Ion	Ratio	Lower	Upper
278	100		
139	19.3	16.9	25.3
279	24.4	21.3	31.9



#26
Benzo(g,h,i)perylene
Concen: 0.72 ng/ul
RT: 26.61 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BM007501.D
Acq: 21 Sep 2016 20:47

Tgt Ion: 276 Resp: 20893

Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.5	30.7
138	23.0	20.3	30.5

