

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092116\
 Data File : BM007502.D
 Acq On : 21 Sep 2016 21:23
 Operator : UM/SJ
 Sample : SSTDIC1.638
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.638

Quant Time: Sep 22 01:14:45 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	1496	0.40	ng/ul	0.00
2) Naphthalene-d8	10.57	136	5956	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.42	164	3598	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	8972	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	10339	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	9629	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.16	152	12021	1.64	ng/ul	-0.01
14) Fluoranthene-d10	19.19	212	35816	1.78	ng/ul	0.00

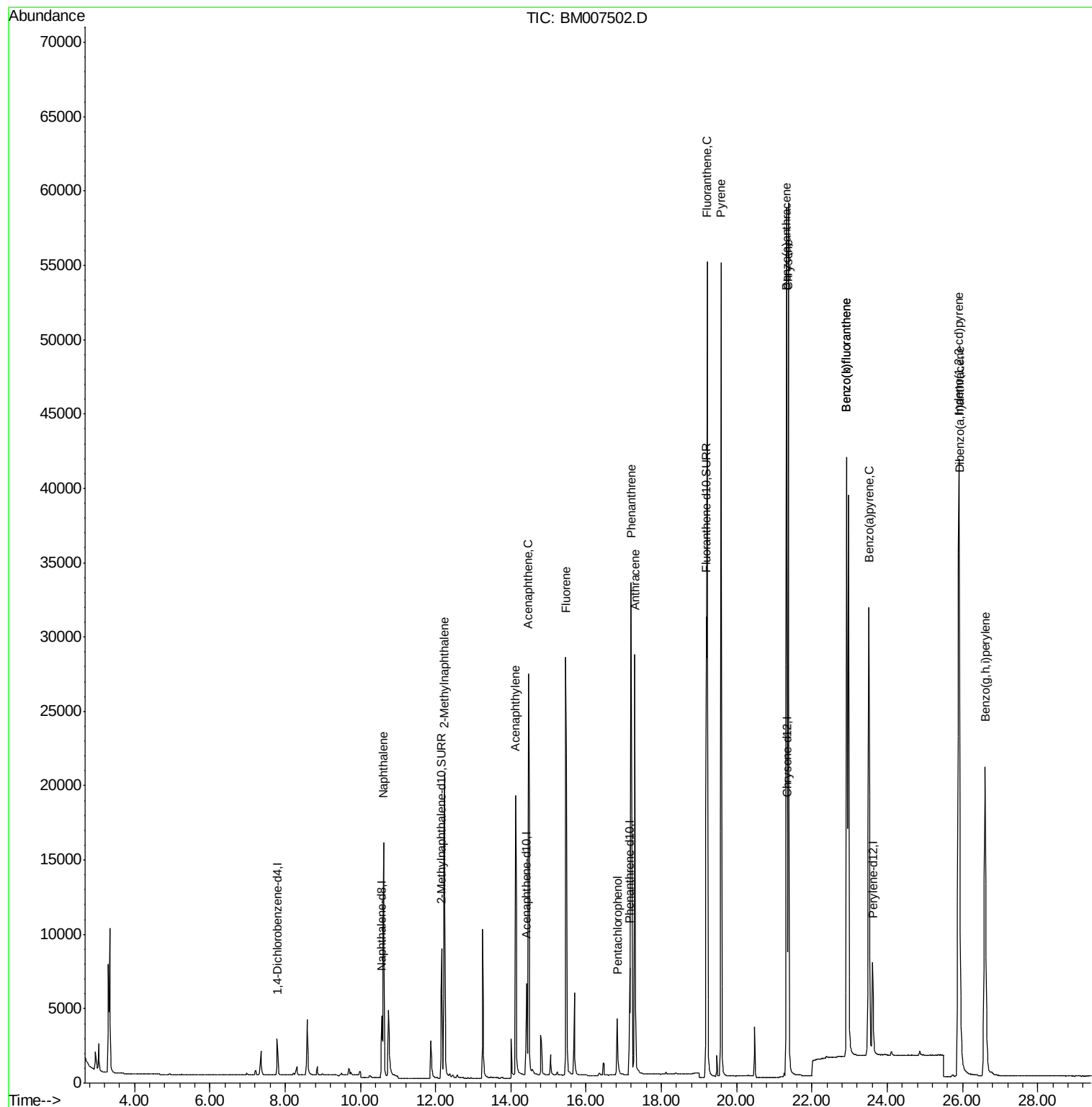
Target Compounds						Qvalue
3) Naphthalene	10.62	128	23163	1.58	ng/ul	96
5) 2-Methylnaphthalene	12.24	142	16516	1.67	ng/ul	97
7) Acenaphthylene	14.13	152	26543	1.44	ng/ul	95
8) Acenaphthene	14.47	153	19851	1.62	ng/ul	86
9) Fluorene	15.46	166	24301	1.71	ng/ul	88
11) Pentachlorophenol	16.83	266	4201	1.85	ng/ul	98
12) Phenanthrene	17.19	178	41720	1.68	ng/ul	94
13) Anthracene	17.30	178	39195	1.66	ng/ul	95
15) Fluoranthene	19.22	202	53630	1.82	ng/ul	95
17) Pyrene	19.58	202	55832	1.66	ng/ul	95
18) Benzo(a)anthracene	21.32	228	53721	1.70	ng/ul	97
19) Chrysene	21.38	228	51792	1.66	ng/ul	96
21) Benzo(b)fluoranthene	22.92	252	54438	1.58	ng/ul	94
22) Benzo(k)fluoranthene	22.92	252	54438	1.86	ng/ul	94
23) Benzo(a)pyrene	23.51	252	51423	1.73	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.90	276	55174	1.54	ng/ul	99
25) Dibenzo(a,h)anthracene	25.91	278	42478	1.52	ng/ul	94
26) Benzo(g,h,i)perylene	26.60	276	48076	1.56	ng/ul	96

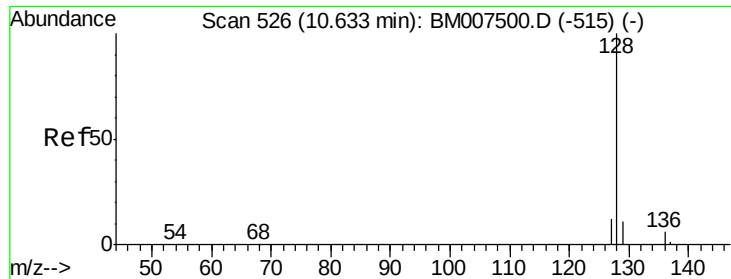
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.58 ng/ul

RT: 10.62 min Scan# 525

Delta R.T. -0.01 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

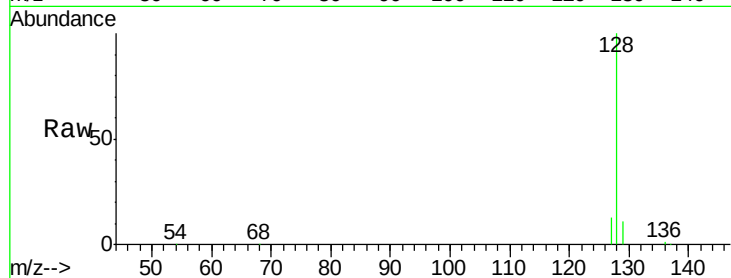
Tgt Ion:128 Resp: 23163

Ion Ratio Lower Upper

128 100

129 11.3 10.7 16.1

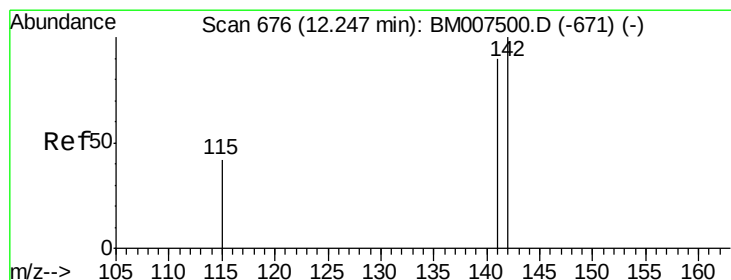
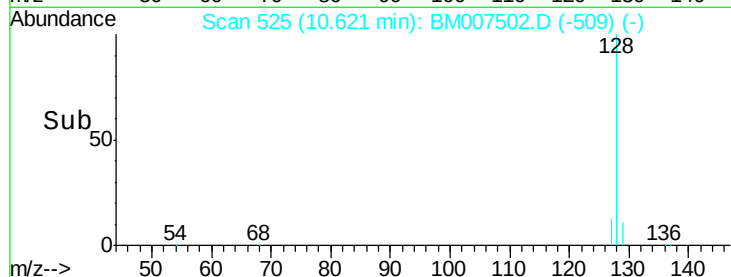
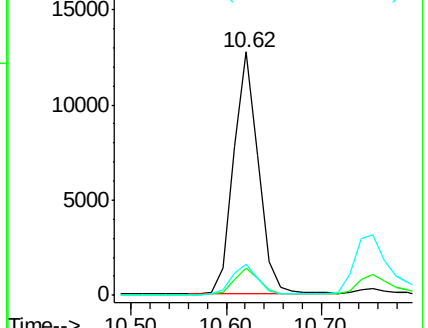
127 12.9 11.3 16.9



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: 1.67 ng/ul

RT: 12.24 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM007502.D

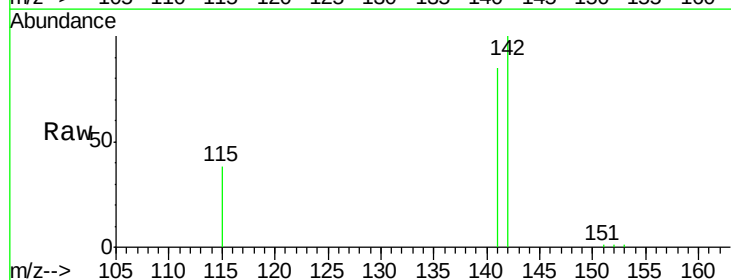
Acq: 21 Sep 2016 21:23

Tgt Ion:142 Resp: 16516

Ion Ratio Lower Upper

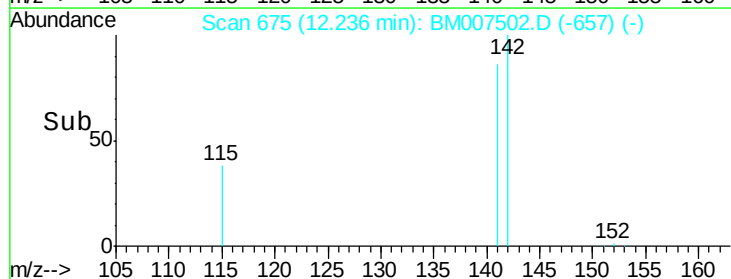
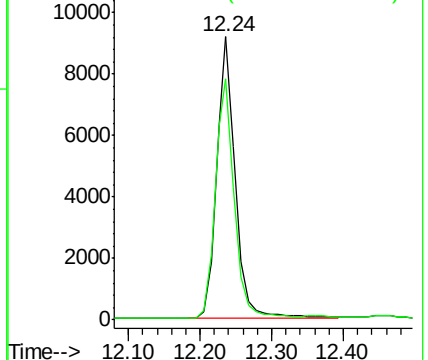
142 100

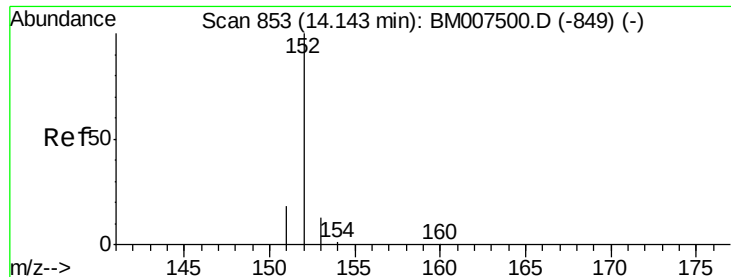
141 87.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.44 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. -0.02 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

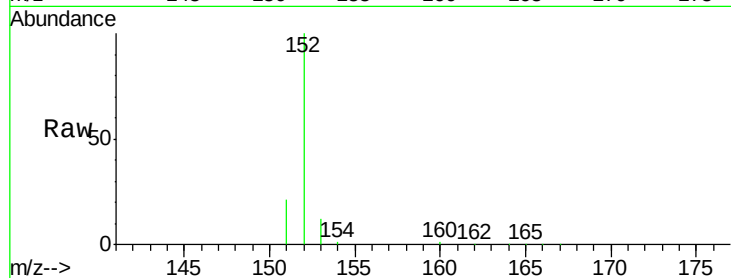
Tgt Ion:152 Resp: 26543

Ion Ratio Lower Upper

152 100

151 21.3 15.8 23.8

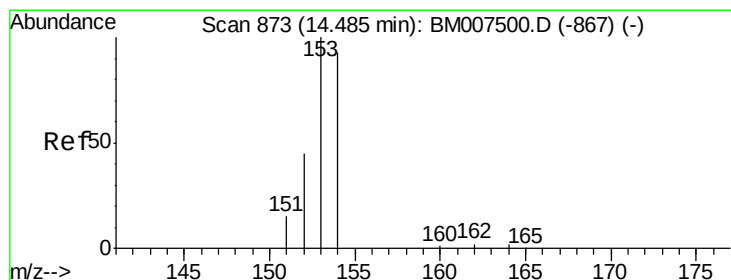
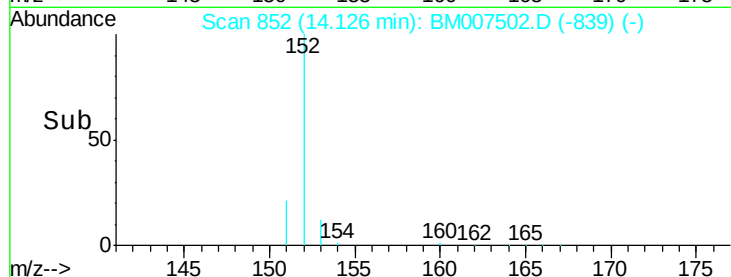
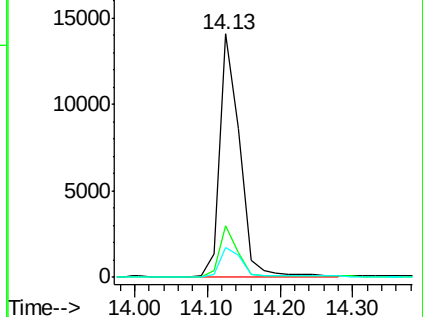
153 12.4 12.2 18.2



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: 1.62 ng/ul

RT: 14.47 min Scan# 872

Delta R.T. -0.02 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

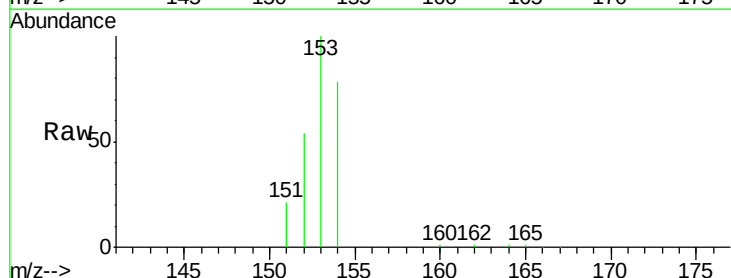
Tgt Ion:153 Resp: 19851

Ion Ratio Lower Upper

153 100

152 54.4 37.6 56.4

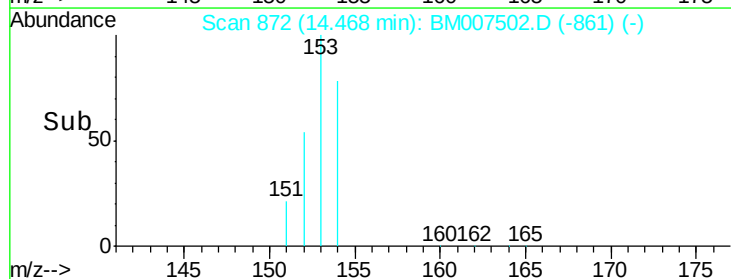
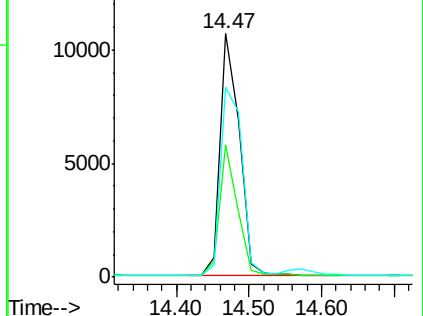
154 78.1 74.6 112.0

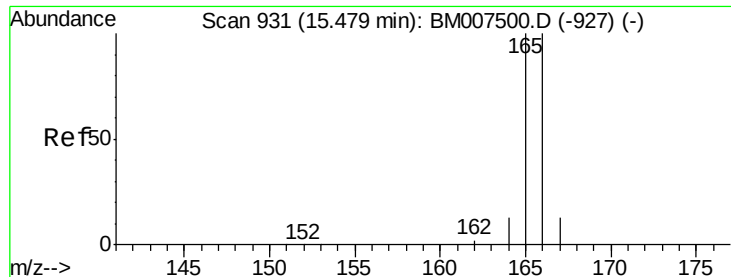


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.71 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.02 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

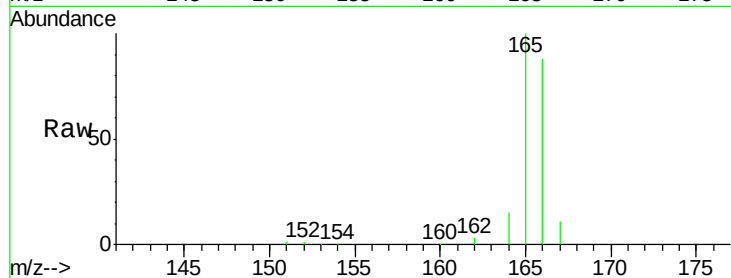
Tgt Ion:166 Resp: 24301

Ion Ratio Lower Upper

166 100

165 113.0 79.8 119.8

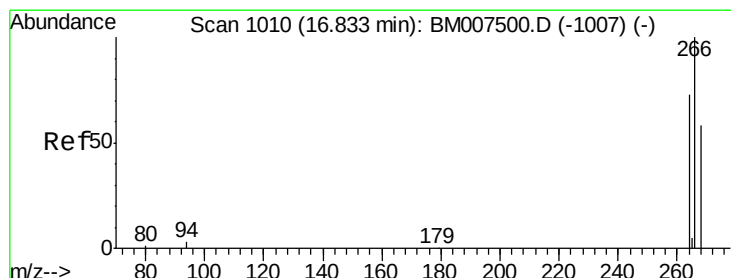
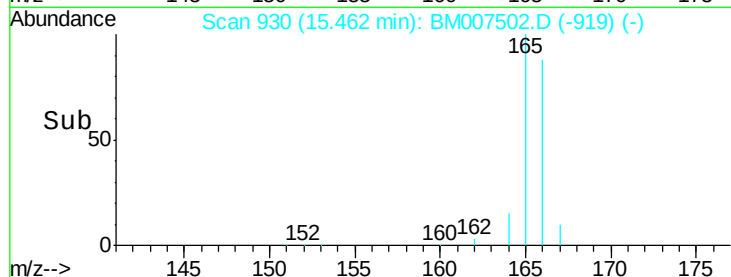
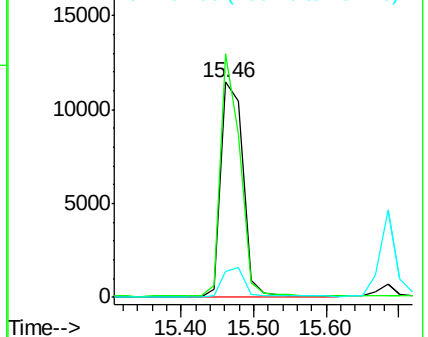
167 12.1 11.5 17.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 1.85 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

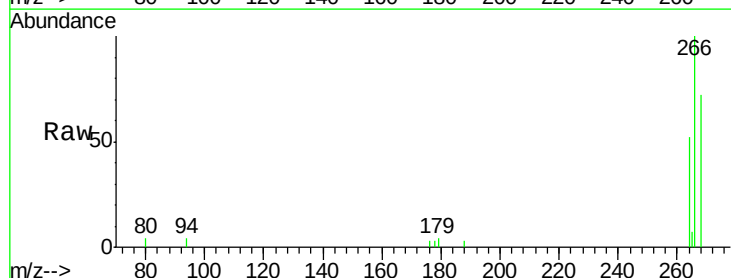
Tgt Ion:266 Resp: 4201

Ion Ratio Lower Upper

266 100

264 63.5 51.4 77.2

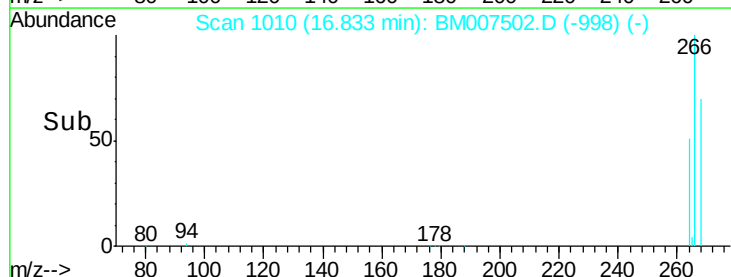
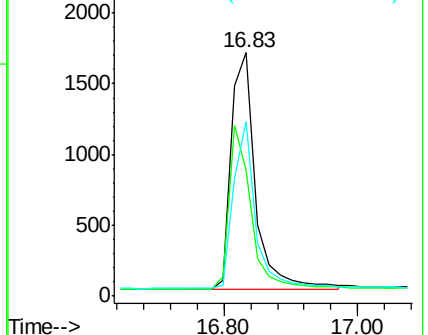
268 64.2 52.9 79.3

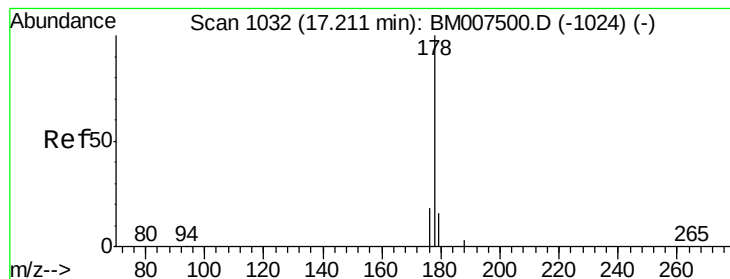


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.68 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

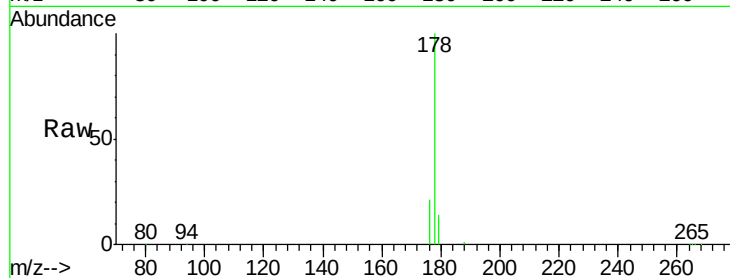
Tgt Ion:178 Resp: 41720

Ion Ratio Lower Upper

178 100

176 21.0 14.9 22.3

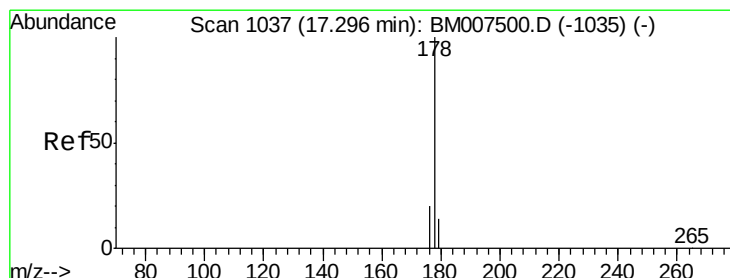
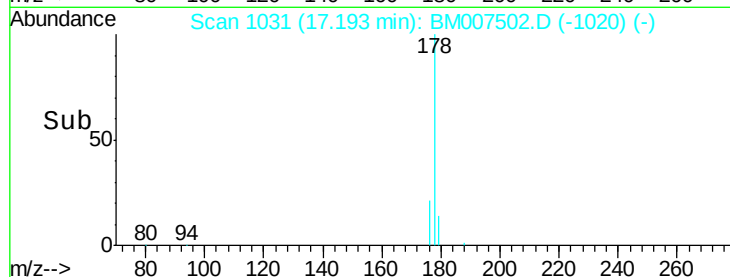
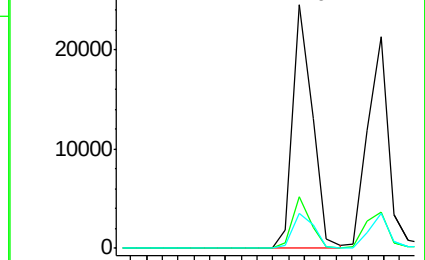
179 14.1 13.7 20.5



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: 1.66 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

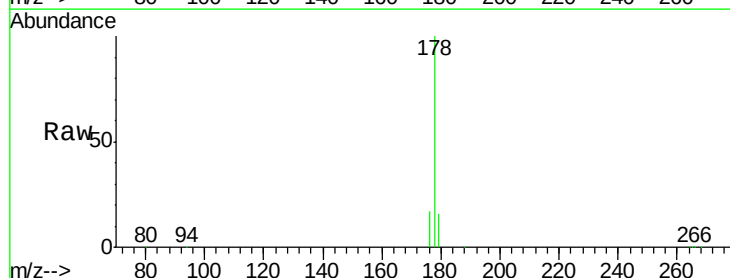
Tgt Ion:178 Resp: 39195

Ion Ratio Lower Upper

178 100

176 17.1 16.6 24.8

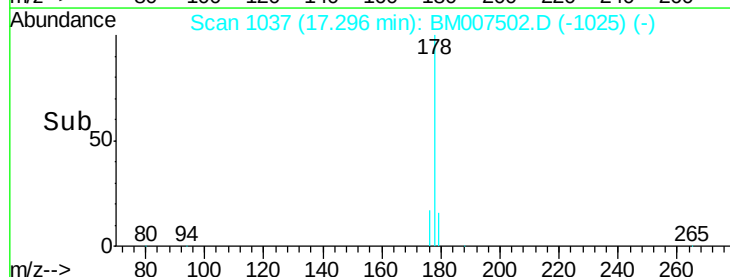
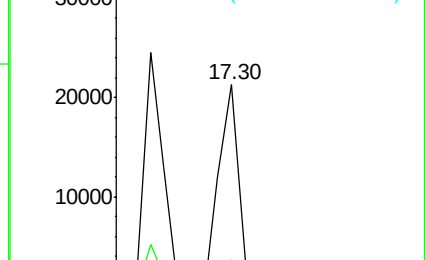
179 16.4 12.5 18.7

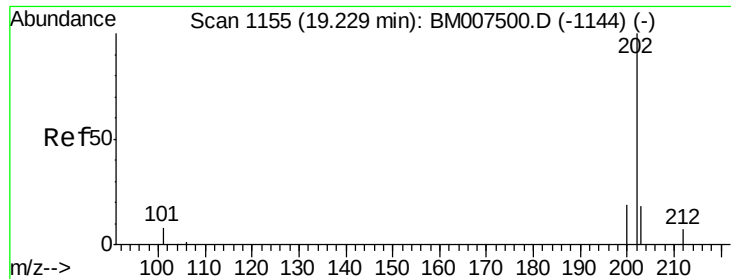


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

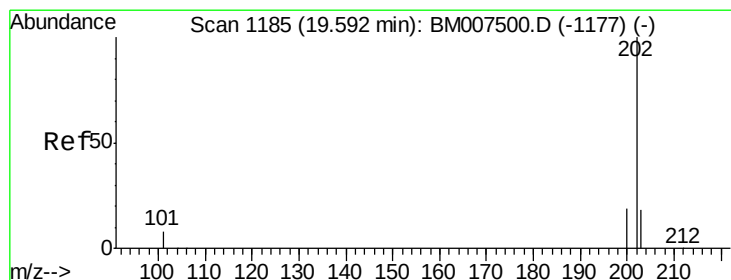
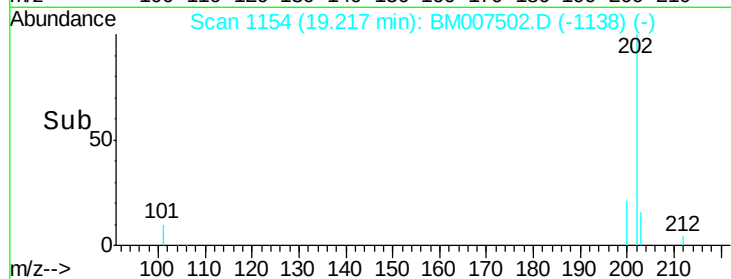
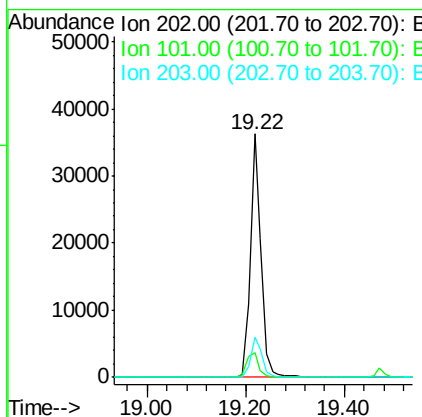
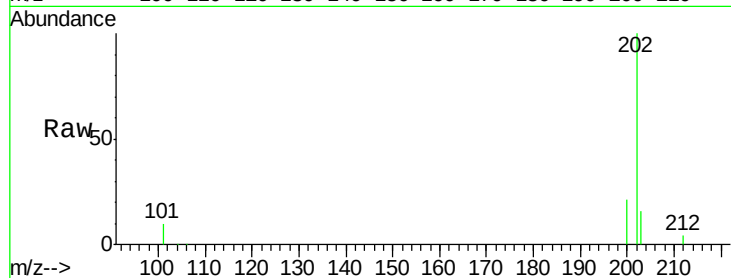




#15
Fluoranthene
Concen: 1.82 ng/ul
RT: 19.22 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BM007502.D
Acq: 21 Sep 2016 21:23

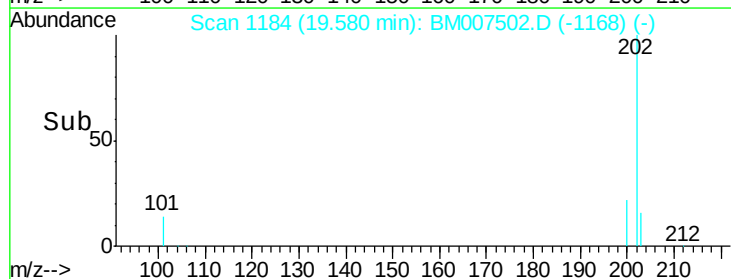
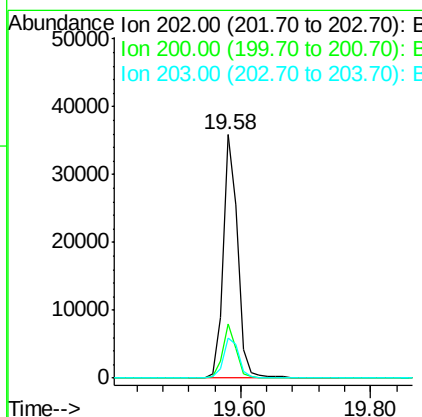
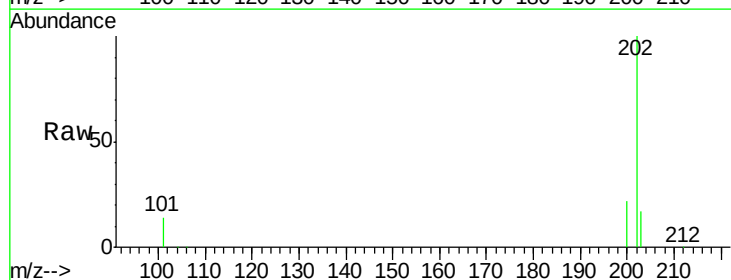
Instrument :
BNA_M
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SSTD1.638

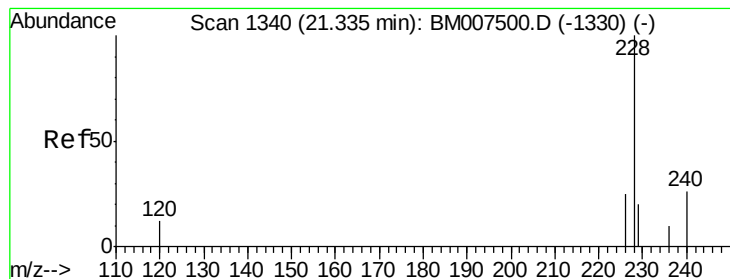
Tgt Ion:202 Resp: 53630
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.4
203 16.5 0.0 39.0



#17
Pyrene
Concen: 1.66 ng/ul
RT: 19.58 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM007502.D
Acq: 21 Sep 2016 21:23

Tgt Ion:202 Resp: 55832
Ion Ratio Lower Upper
202 100
200 22.4 15.9 23.9
203 16.5 15.0 22.4





#18

Benzo(a)anthracene

Concen: 1.70 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

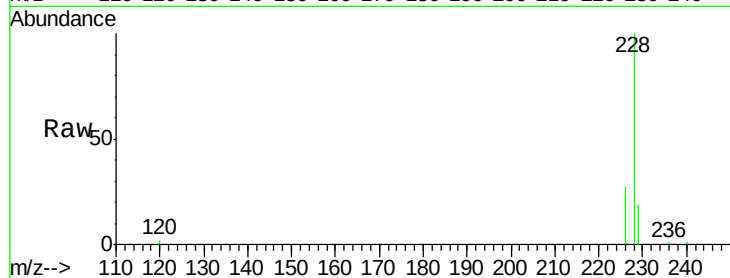
Tgt Ion:228 Resp: 53721

Ion Ratio Lower Upper

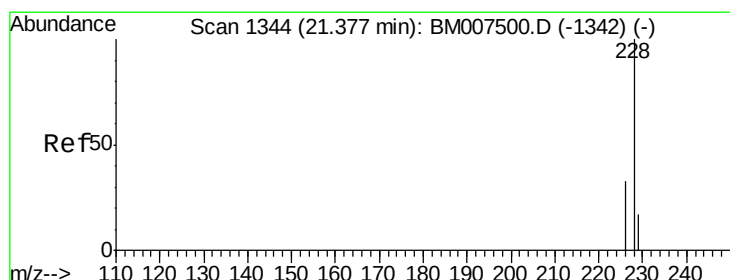
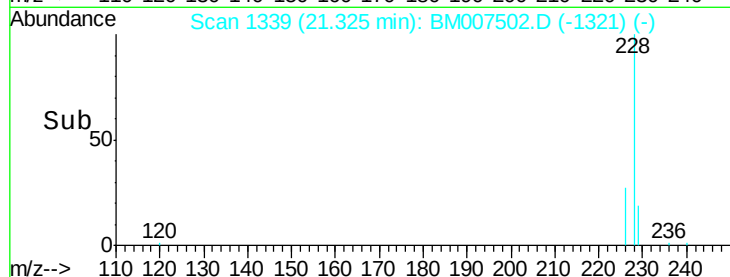
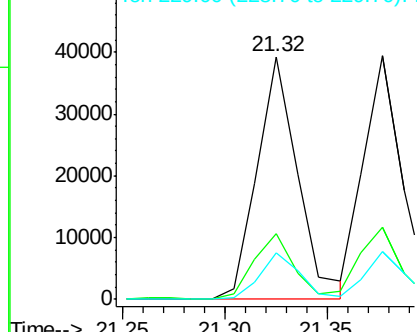
228 100

226 27.0 20.2 30.4

229 19.4 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: 1.66 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

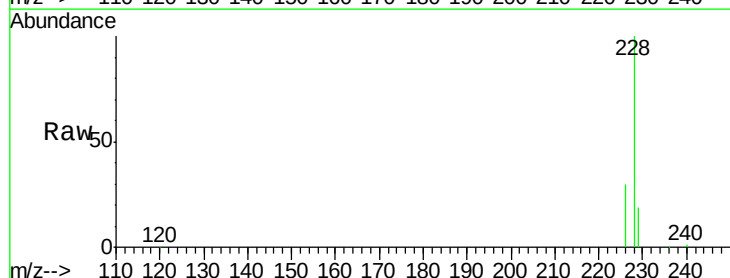
Tgt Ion:228 Resp: 51792

Ion Ratio Lower Upper

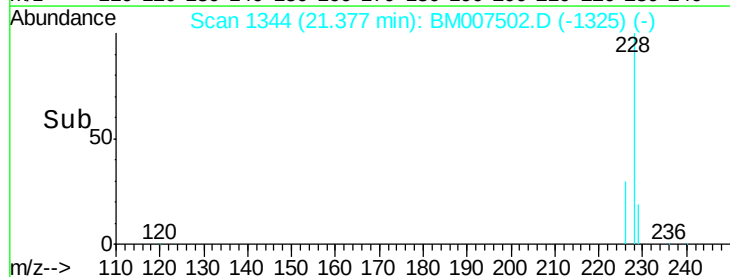
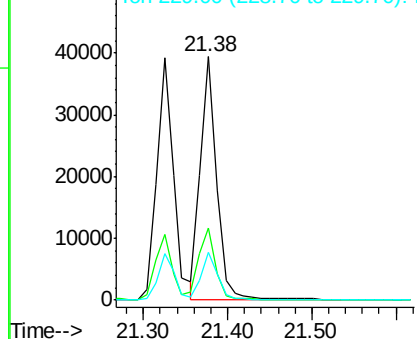
228 100

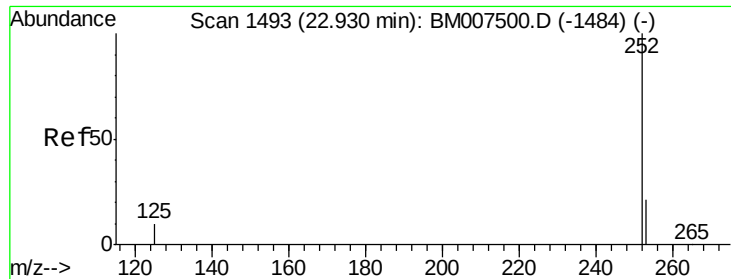
226 29.6 25.9 38.9

229 19.5 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: 1.58 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

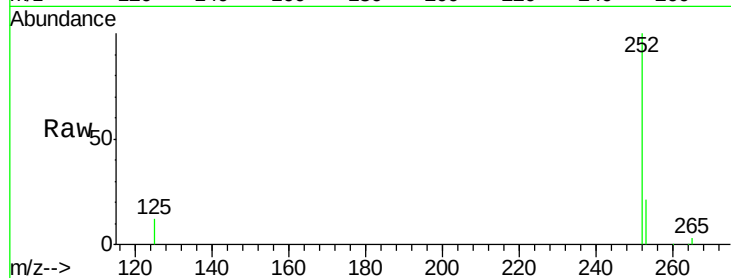
Tgt Ion:252 Resp: 54438

Ion Ratio Lower Upper

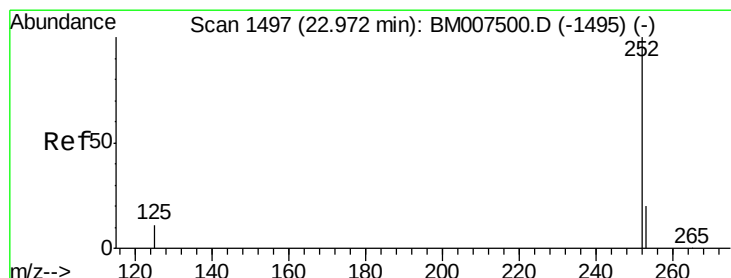
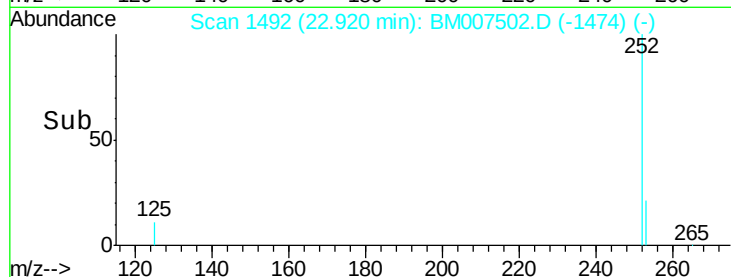
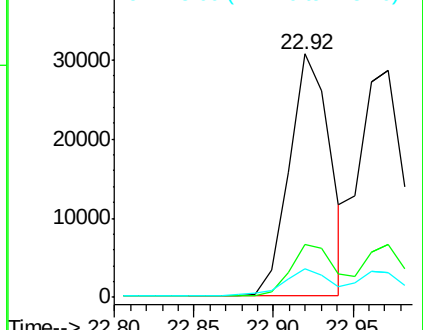
252 100

253 21.5 0.0 49.2

125 11.8 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: 1.86 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.05 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

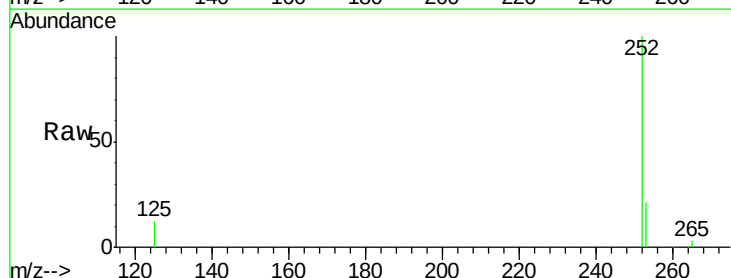
Tgt Ion:252 Resp: 54438

Ion Ratio Lower Upper

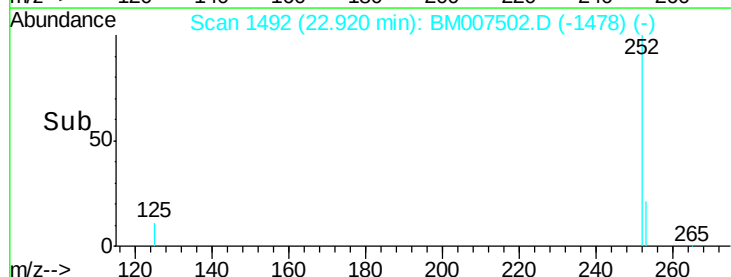
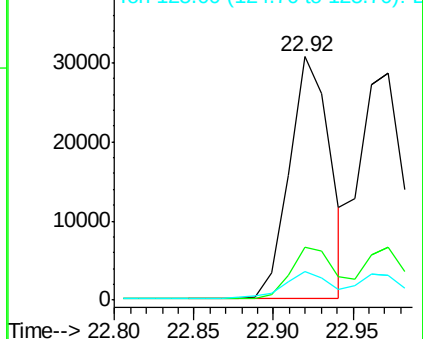
252 100

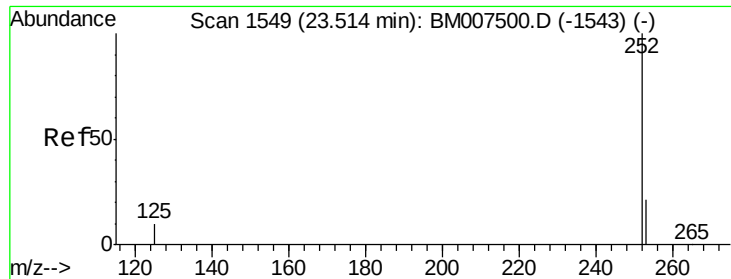
253 21.5 19.7 29.5

125 11.8 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: 1.73 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

Instrument :

BNA_M

ClientSampleId :

SSTD1.638

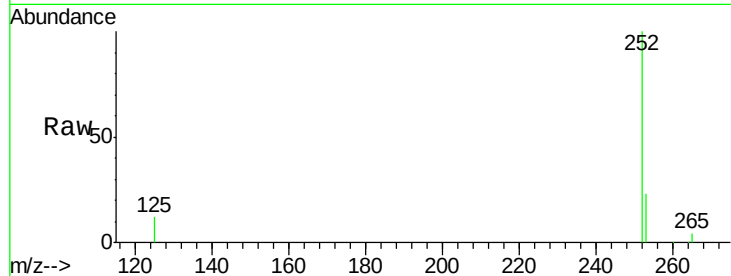
Tgt Ion:252 Resp: 51423

Ion Ratio Lower Upper

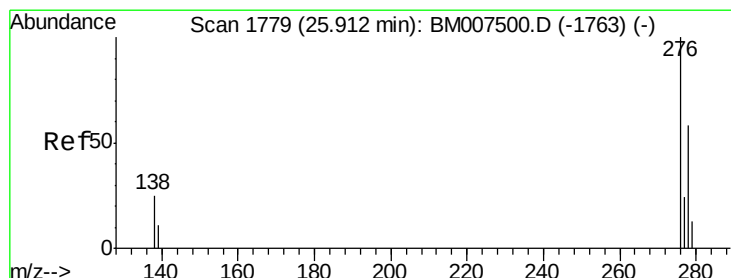
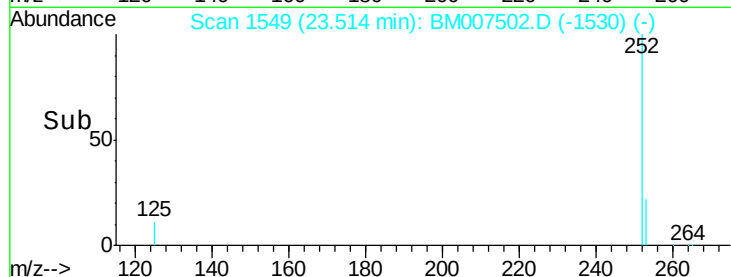
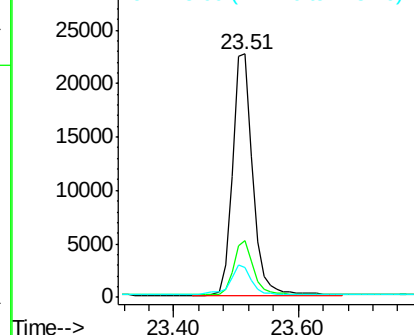
252 100

253 23.4 20.6 31.0

125 12.2 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: 1.54 ng/ul

RT: 25.90 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BM007502.D

Acq: 21 Sep 2016 21:23

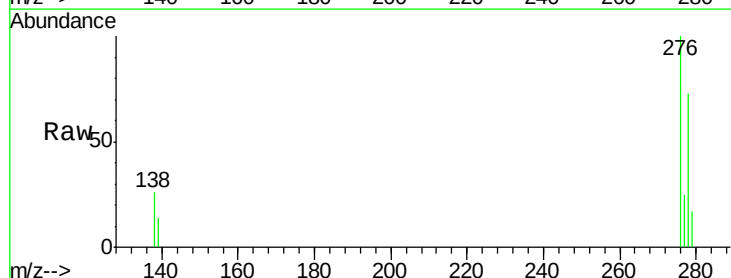
Tgt Ion:276 Resp: 55174

Ion Ratio Lower Upper

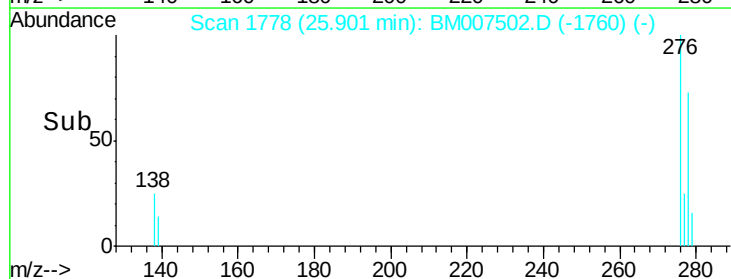
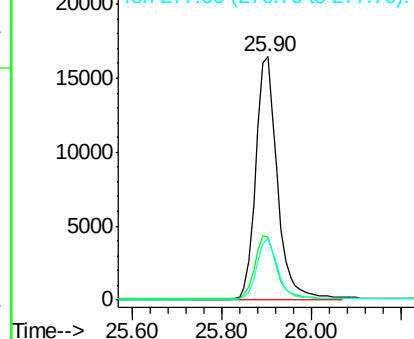
276 100

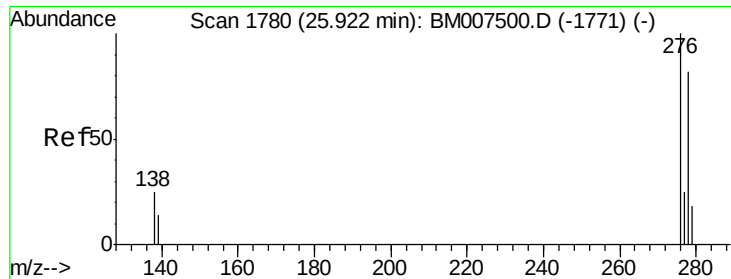
138 26.6 20.8 31.2

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

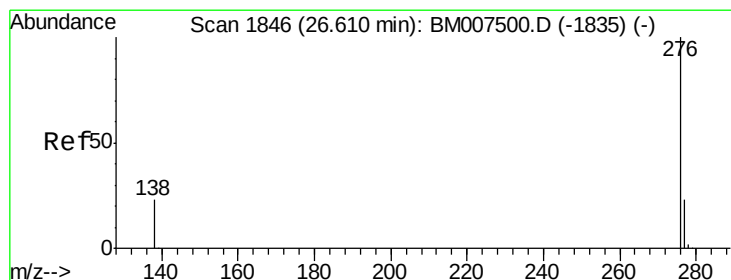
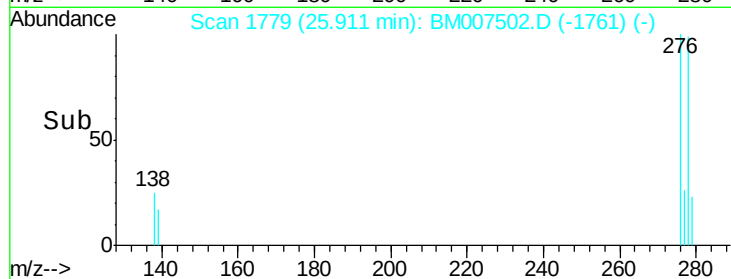
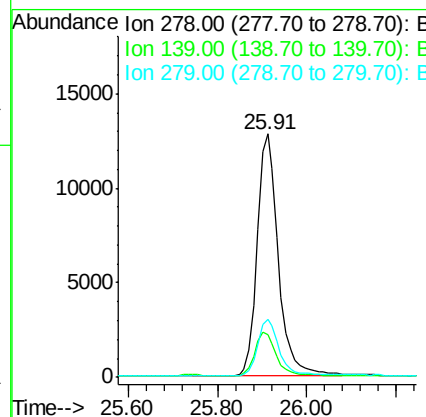
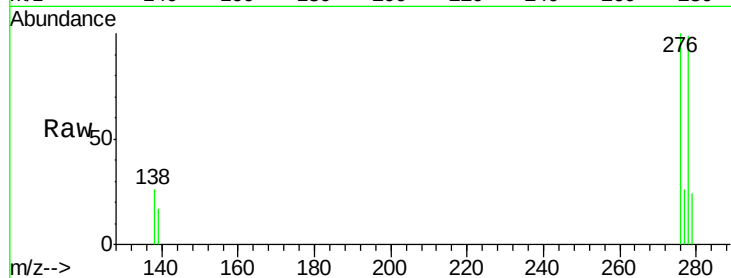




#25
Dibenzo(a,h)anthracene
Concen: 1.52 ng/ul
RT: 25.91 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BM007502.D
Acq: 21 Sep 2016 21:23

Instrument :
BNA_M
ClientSampleId :
SSTD1.638

Tgt Ion:278 Resp: 42478
Ion Ratio Lower Upper
278 100
139 17.7 16.9 25.3
279 24.0 21.3 31.9



#26
Benzo(g,h,i)perylene
Concen: 1.56 ng/ul
RT: 26.60 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BM007502.D
Acq: 21 Sep 2016 21:23

Tgt Ion:276 Resp: 48076
Ion Ratio Lower Upper
276 100
277 23.6 20.5 30.7
138 23.4 20.3 30.5

