

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007306.D
 Acq On : 26 Aug 2016 23:17
 Operator : UM/SJ
 Sample : MDL-01-W
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:08:34 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1405	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5150	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3255	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9125	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10121	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	10767	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.20	152	2288	0.36	ng/ul	0.02
14) Fluoranthene-d10	19.21	212	8344	0.41	ng/ul	0.00

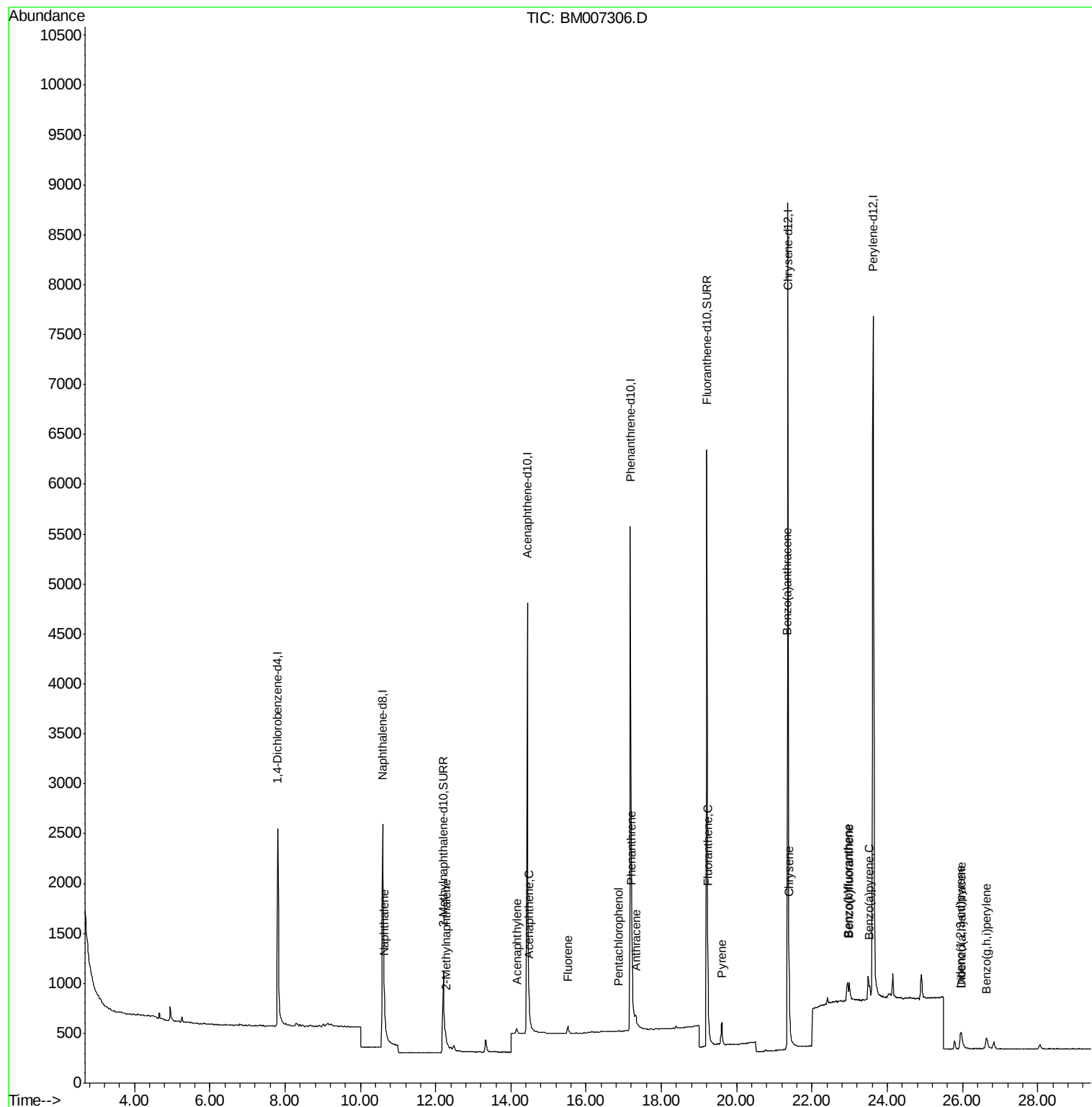
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	97	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.27	142	61	0.01	ng/ul#	80
7) Acenaphthylene	14.16	152	95	0.01	ng/ul#	1
8) Acenaphthene	14.49	153	85	0.01	ng/ul#	73
9) Fluorene	15.51	166	100	0.01	ng/ul#	65
11) Pentachlorophenol	16.87	266	16	0.01	ng/ul#	68
12) Phenanthrene	17.21	178	207	0.01	ng/ul#	17
13) Anthracene	17.31	178	145	0.01	ng/ul#	1
15) Fluoranthene	19.23	202	287	0.01	ng/ul#	35
17) Pyrene	19.60	202	279	0.01	ng/ul#	51
18) Benzo(a)anthracene	21.35	228	251	0.01	ng/ul#	56
19) Chrysene	21.39	228	338	0.01	ng/ul#	64
21) Benzo(b)fluoranthene	22.95	252	312	0.01	ng/ul#	1
22) Benzo(k)fluoranthene	22.99	252	288	0.01	ng/ul#	1
23) Benzo(a)pyrene	23.53	252	274	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.95	276	305	0.01	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.96	278	240	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.64	276	288	0.01	ng/ul#	27

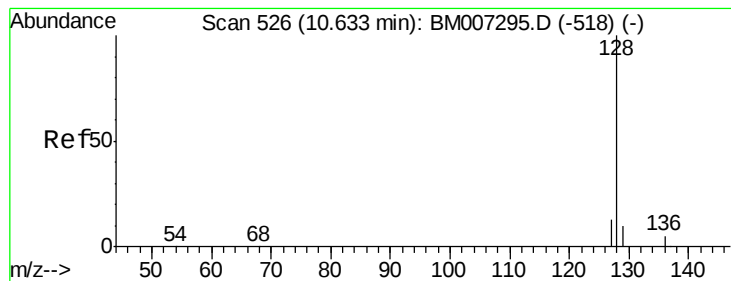
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
Data File : BM007306.D
Acq On : 26 Aug 2016 23:17
Operator : UM/SJ
Sample : MDL-01-W
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 27 03:08:34 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 26 23:46:46 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampleId :

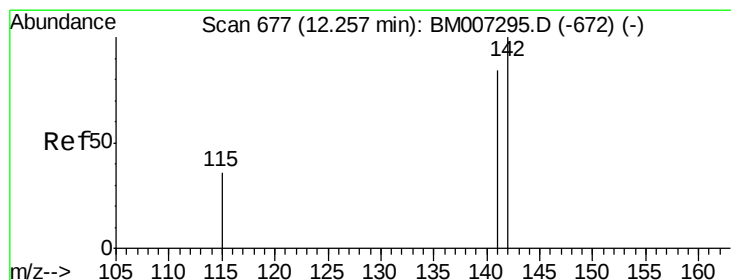
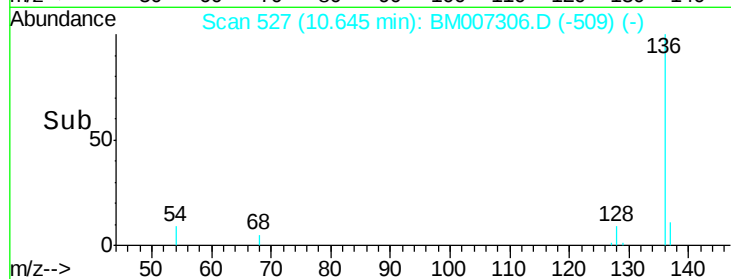
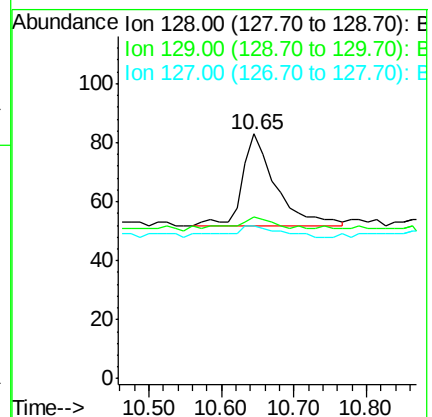
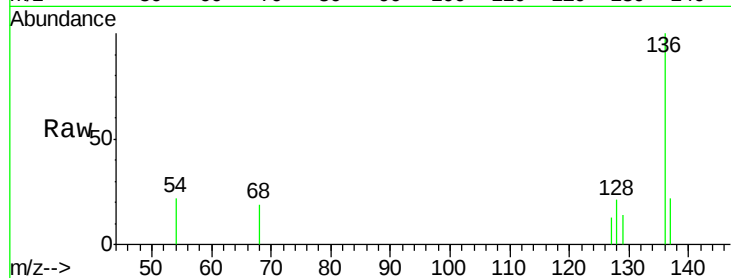
Tgt Ion:128 Resp: 97

Ion Ratio Lower Upper

128 100

129 66.3 9.0 13.6#

127 62.7 9.6 14.4#



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM007306.D

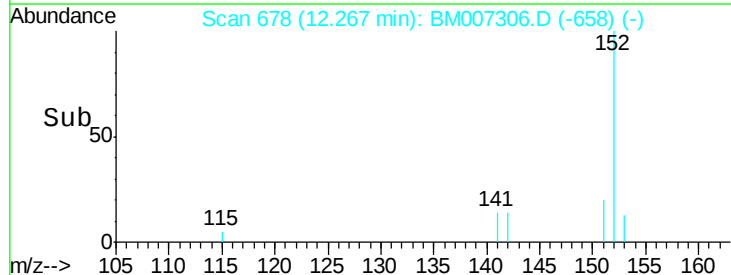
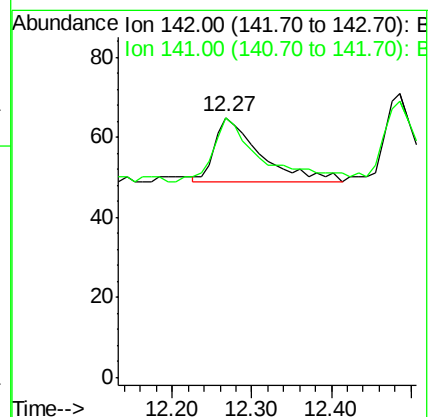
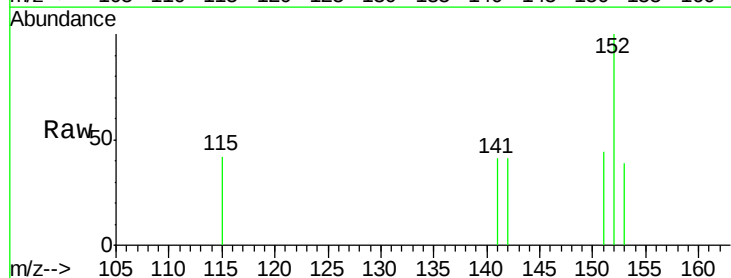
Acq: 26 Aug 2016 23:17

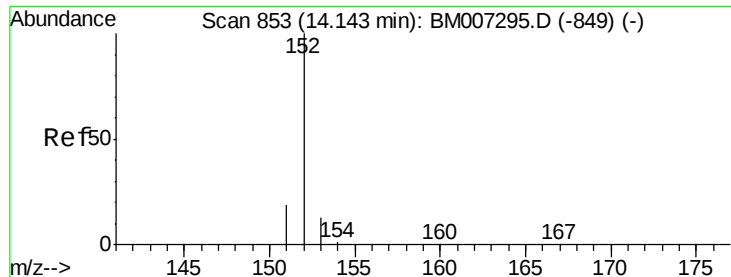
Tgt Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

141 106.6 70.3 105.5#





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. 0.02 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampleId :

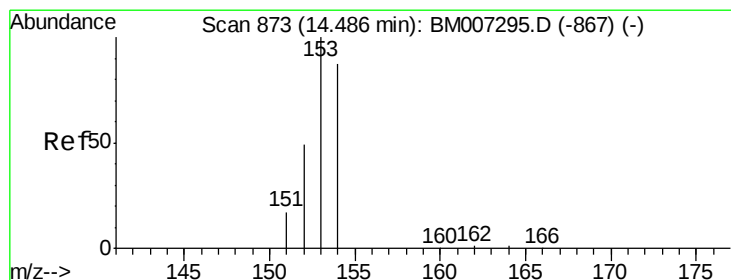
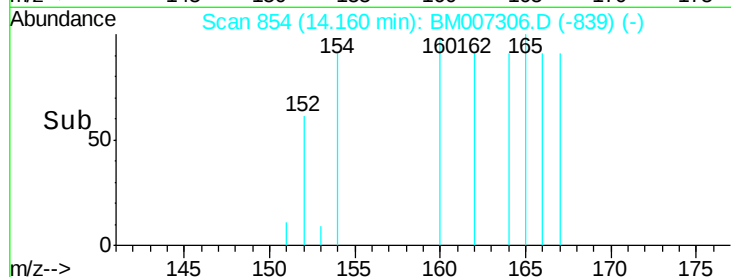
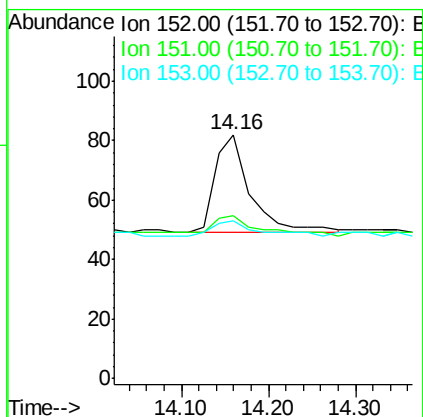
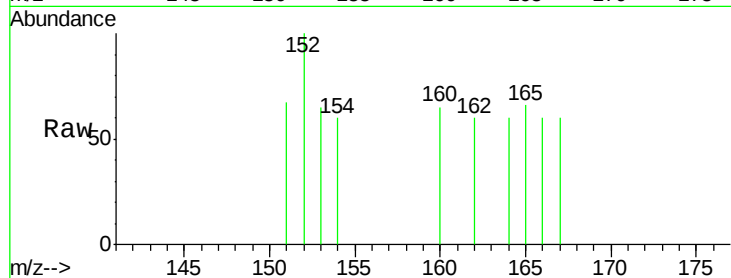
Tgt Ion:152 Resp: 95

Ion Ratio Lower Upper

152 100

151 67.1 17.6 26.4#

153 64.6 9.7 14.5#



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

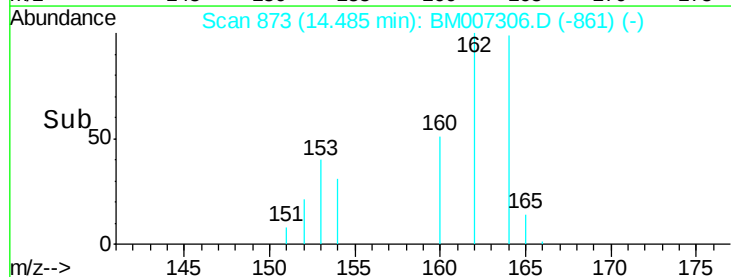
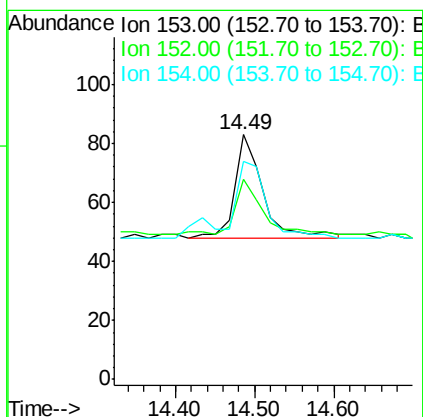
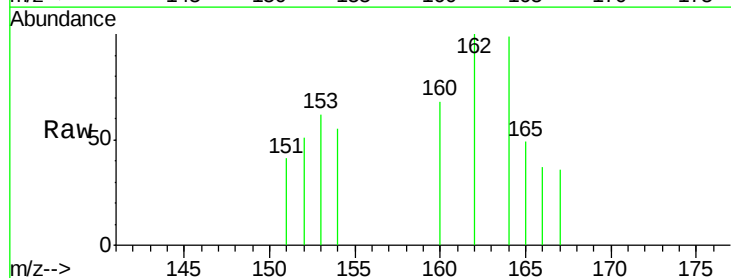
Tgt Ion:153 Resp: 85

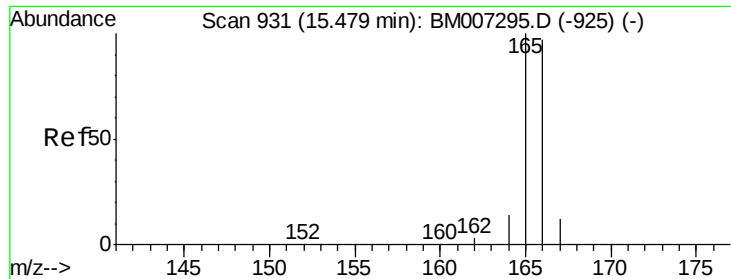
Ion Ratio Lower Upper

153 100

152 81.9 33.9 50.9#

154 89.2 80.6 121.0

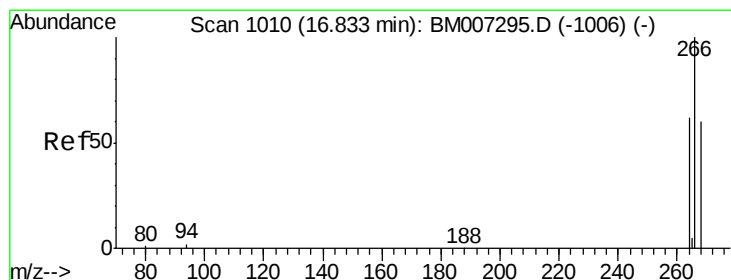
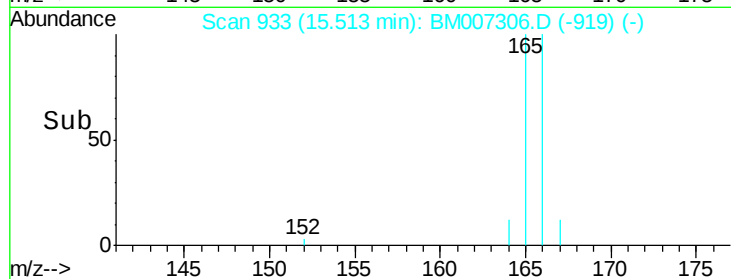
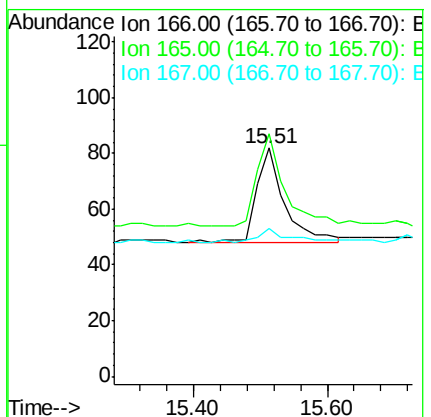
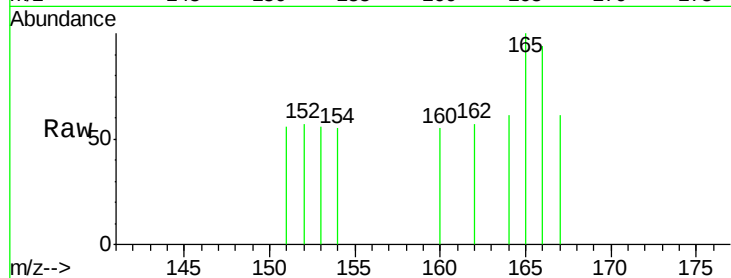




#9
Fluorene
 Concen: 0.01 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.03 min
 Lab File: BM007306.D
 Acq: 26 Aug 2016 23:17

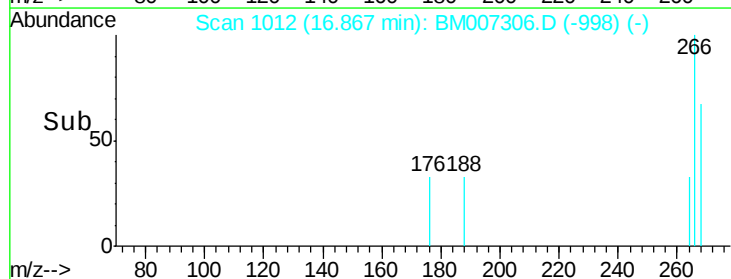
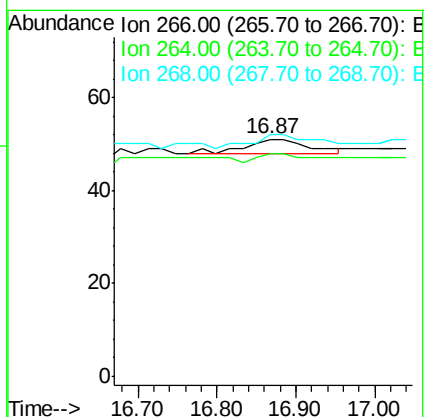
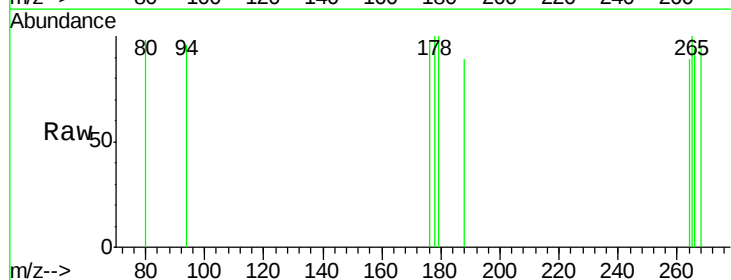
Instrument :
 BNA_M
 ClientSampled :

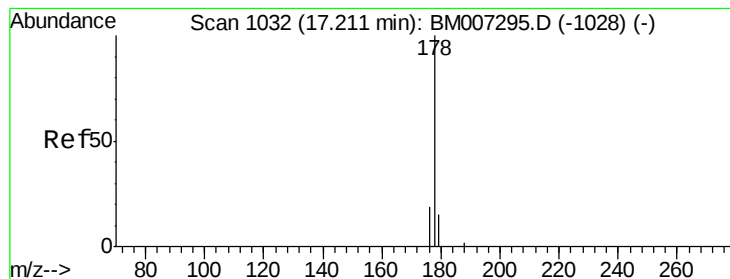
Tgt Ion:166 Resp: 100
 Ion Ratio Lower Upper
 166 100
 165 106.1 69.6 104.4#
 167 64.6 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.03 min
 Lab File: BM007306.D
 Acq: 26 Aug 2016 23:17

Tgt Ion:266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 264 56.3 51.8 77.8
 268 100.0 46.8 70.2#





#12

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

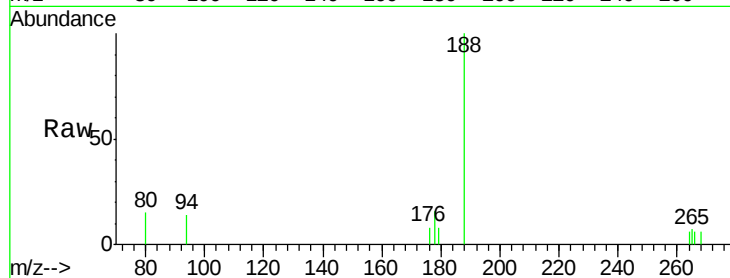
Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampled :



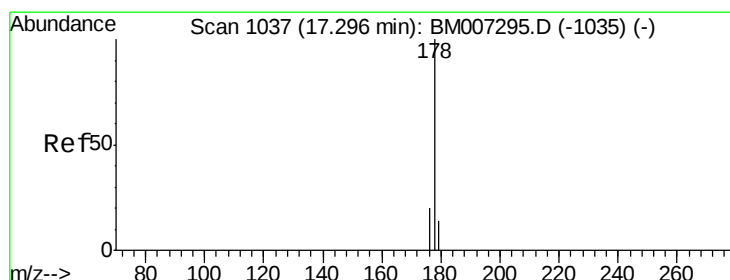
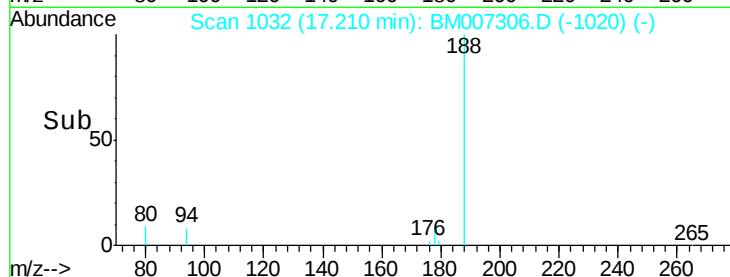
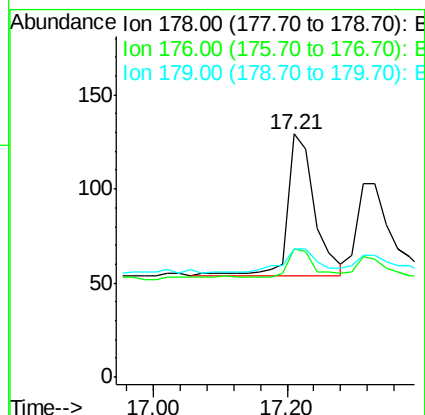
Tgt Ion:178 Resp: 207

Ion Ratio Lower Upper

178 100

176 52.7 13.0 19.4#

179 52.7 14.2 21.2#



#13

Anthracene

Concen: 0.01 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

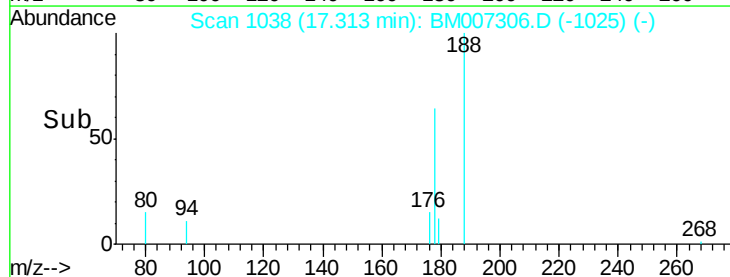
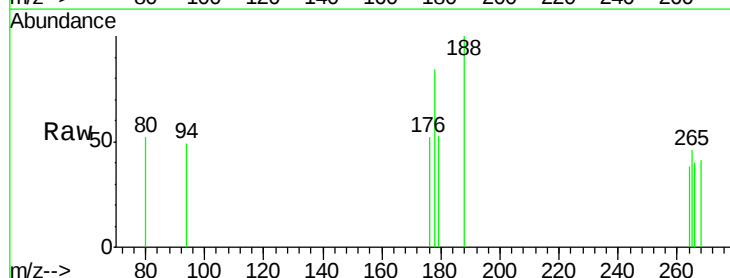
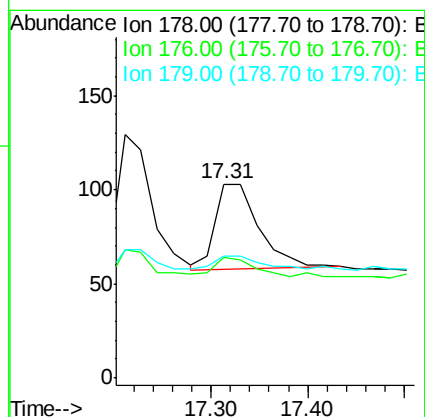
Tgt Ion:178 Resp: 145

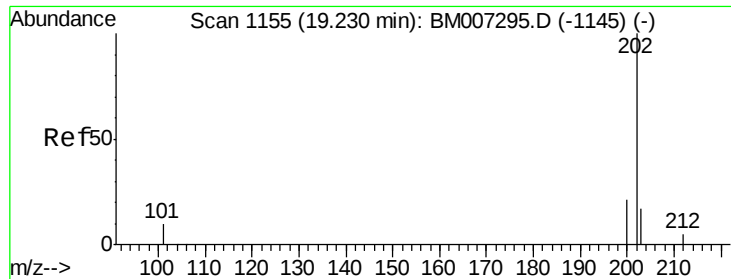
Ion Ratio Lower Upper

178 100

176 62.1 14.0 21.0#

179 63.1 12.9 19.3#





#15

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampleId :

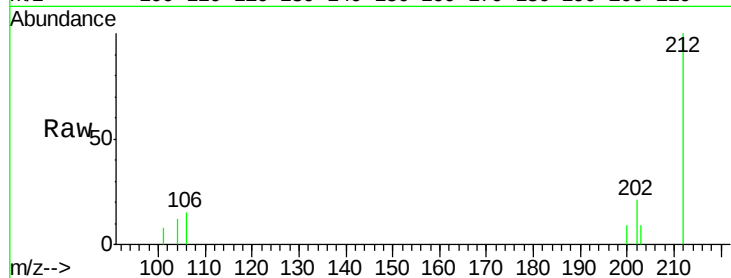
Tgt Ion:202 Resp: 287

Ion Ratio Lower Upper

202 100

101 38.0 0.0 29.6#

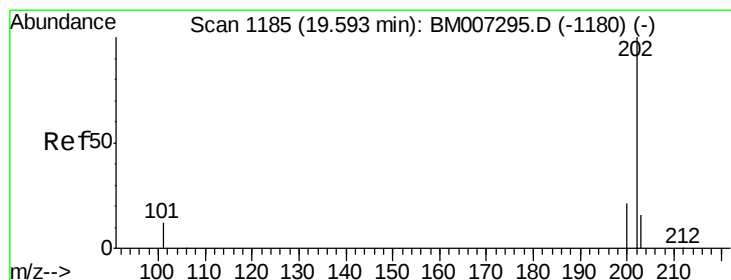
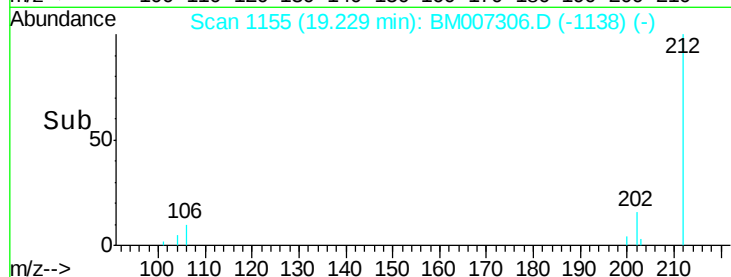
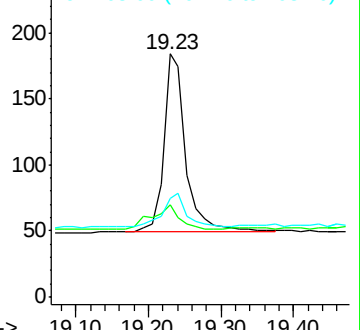
203 40.8 0.0 36.3#



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: 0.01 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

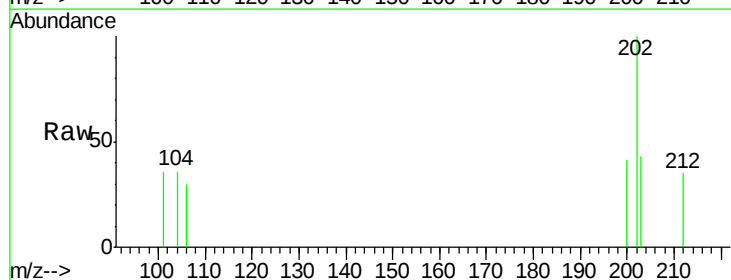
Tgt Ion:202 Resp: 279

Ion Ratio Lower Upper

202 100

200 41.0 17.8 26.8#

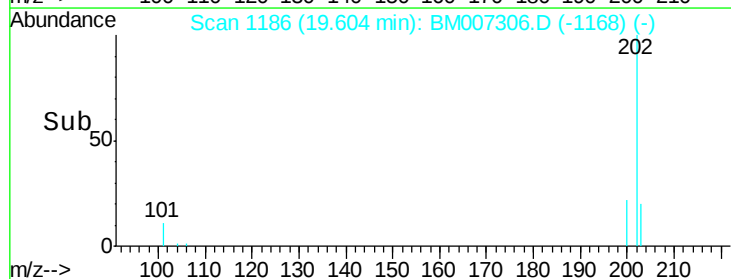
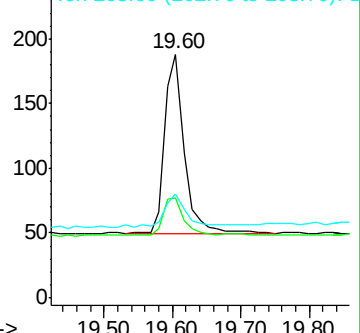
203 42.6 12.8 19.2#

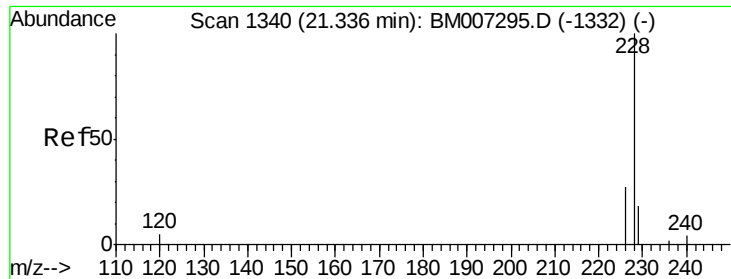


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

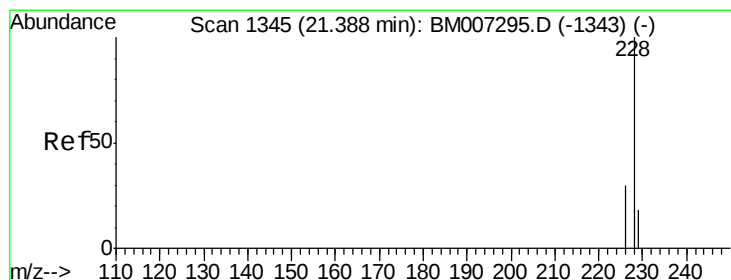
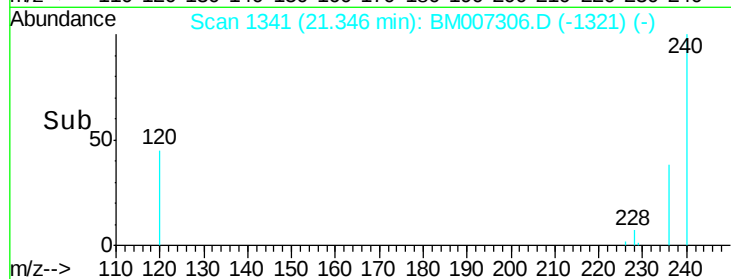
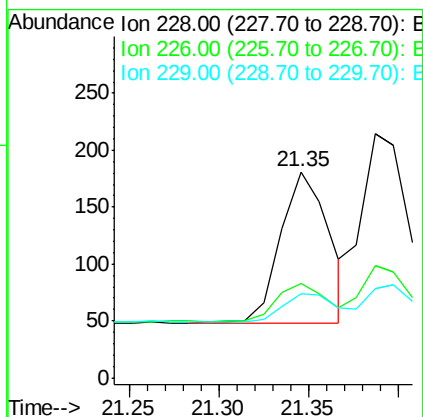
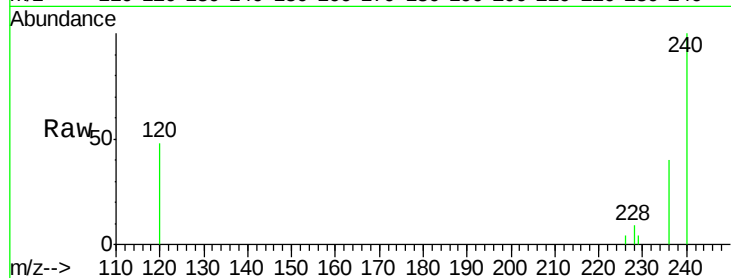




#18
Benzo(a)anthracene
Concen: 0.01 ng/ul
RT: 21.35 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BM007306.D
Acq: 26 Aug 2016 23:17

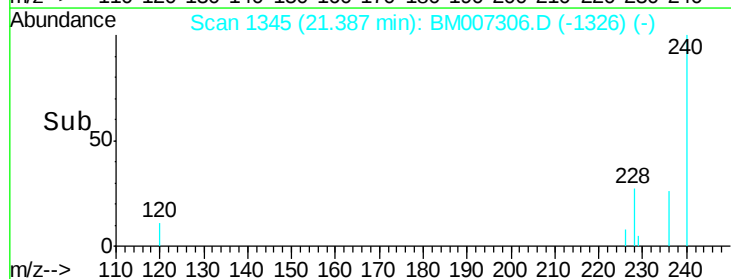
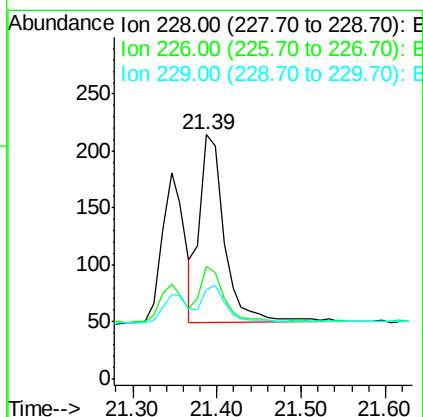
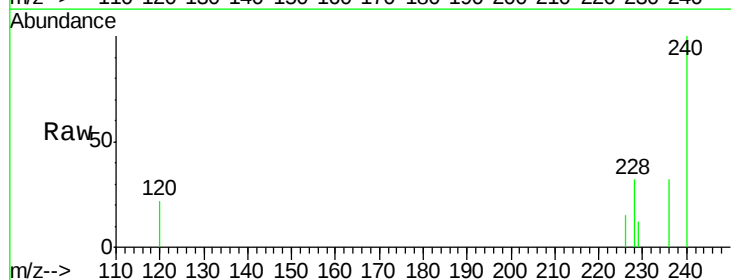
Instrument :
BNA_M
ClientSampleId :

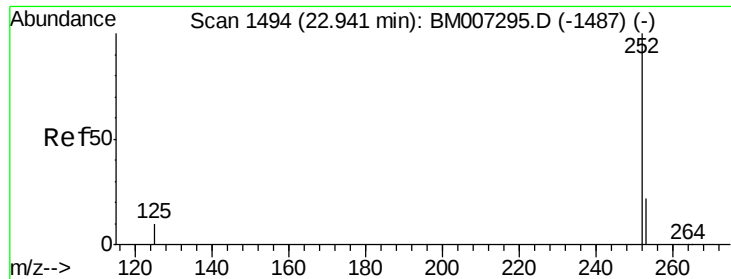
Tgt Ion:228 Resp: 251
Ion Ratio Lower Upper
228 100
226 45.9 18.8 28.2#
229 40.9 17.1 25.7#



#19
Chrysene
Concen: 0.01 ng/ul
RT: 21.39 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BM007306.D
Acq: 26 Aug 2016 23:17

Tgt Ion:228 Resp: 338
Ion Ratio Lower Upper
228 100
226 46.3 21.2 31.8#
229 36.4 17.0 25.6#





#21

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.95 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampleId :

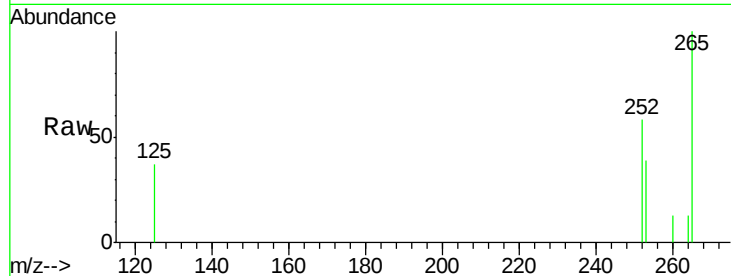
Tgt Ion: 252 Resp: 312

Ion Ratio Lower Upper

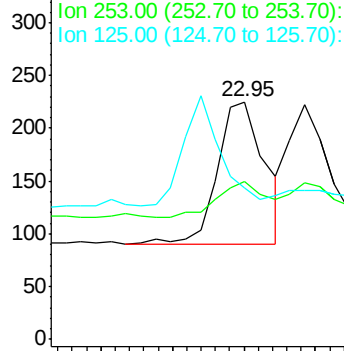
252 100

253 66.7 0.0 45.4#

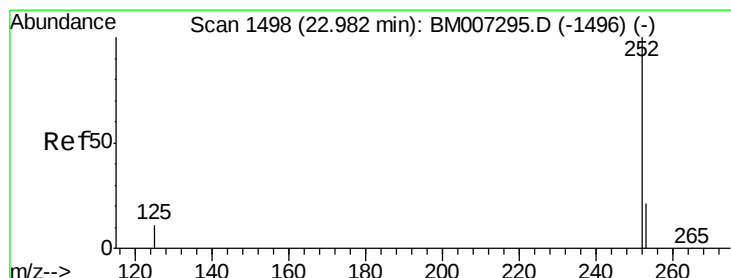
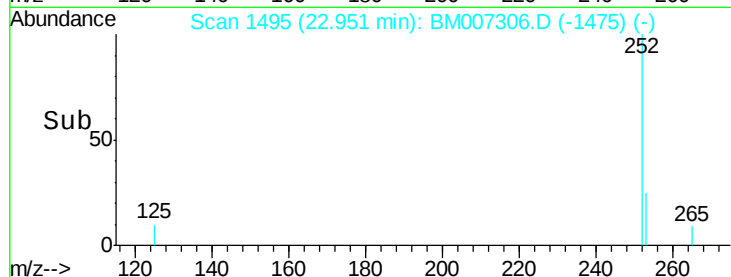
125 63.6 0.0 28.8#



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



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

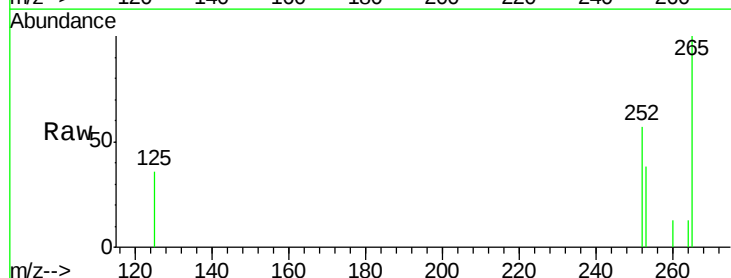
Tgt Ion: 252 Resp: 288

Ion Ratio Lower Upper

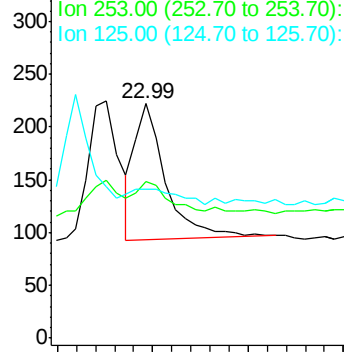
252 100

253 66.7 19.8 29.8#

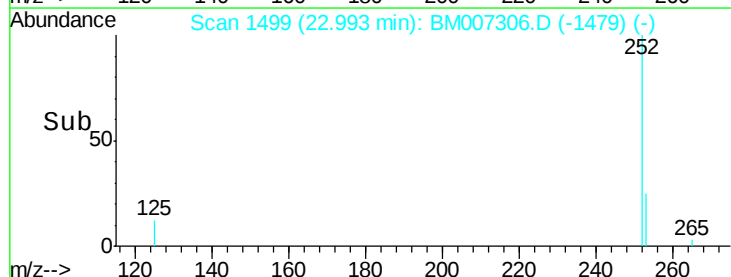
125 63.5 10.4 15.6#

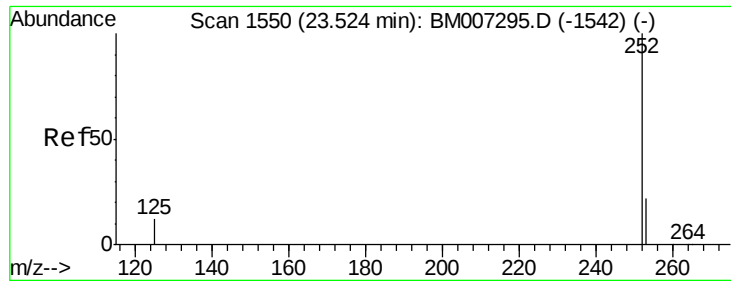


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. 0.01 min

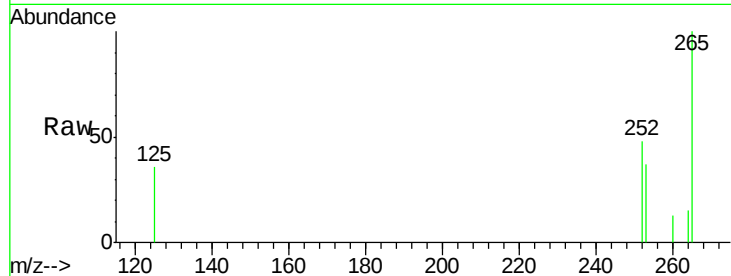
Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

Instrument :

BNA_M

ClientSampleId :



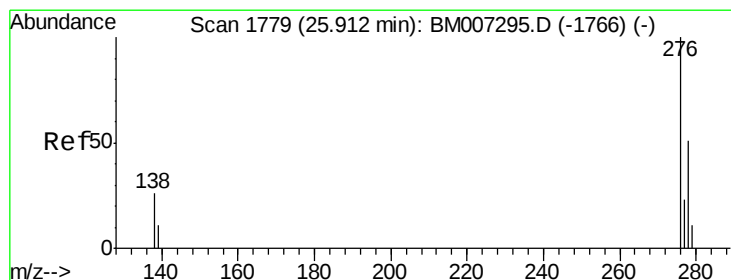
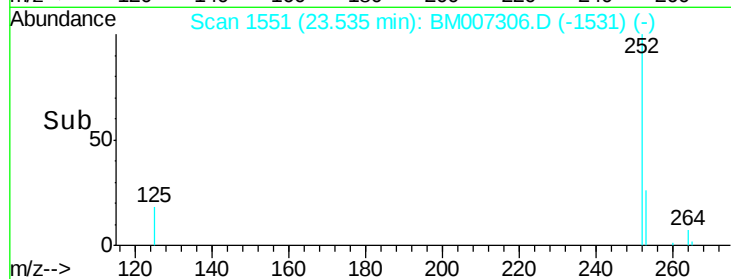
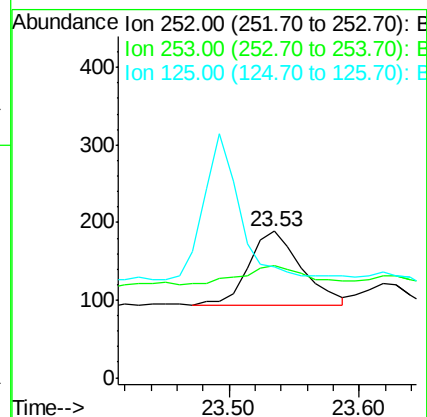
Tgt Ion: 252 Resp: 274

Ion Ratio Lower Upper

252 100

253 76.7 19.4 29.2#

125 75.7 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.95 min Scan# 1783

Delta R.T. 0.04 min

Lab File: BM007306.D

Acq: 26 Aug 2016 23:17

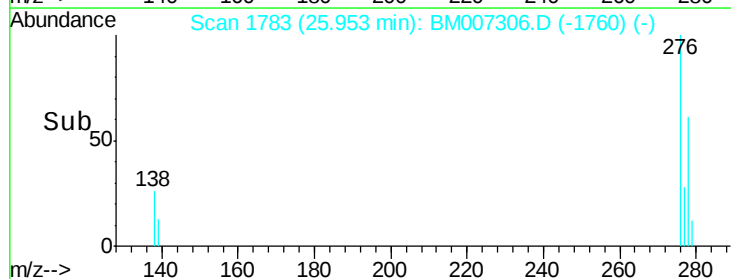
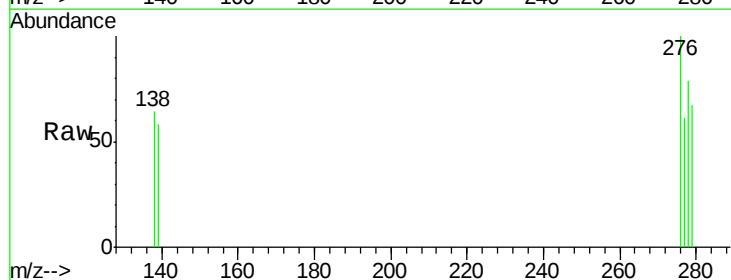
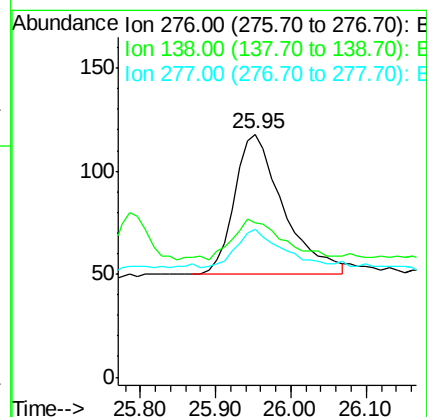
Tgt Ion: 276 Resp: 305

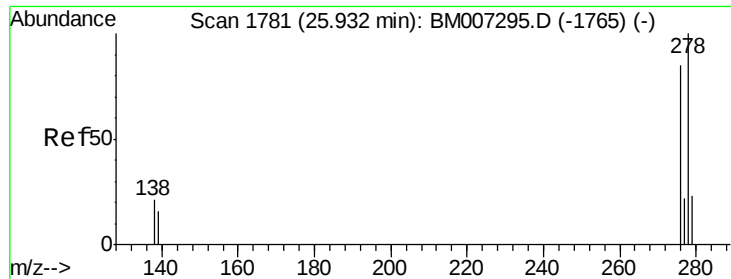
Ion Ratio Lower Upper

276 100

138 30.5 16.3 24.5#

277 26.6 19.8 29.8

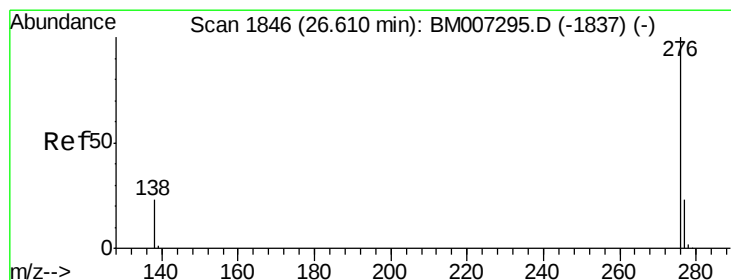
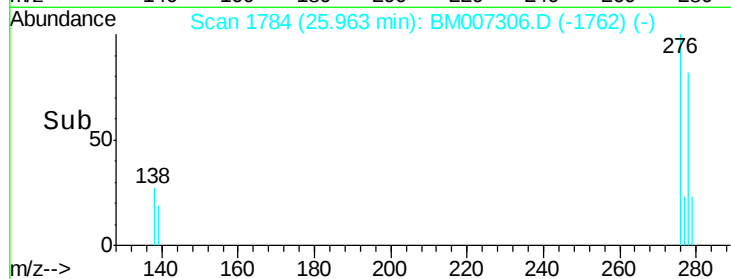
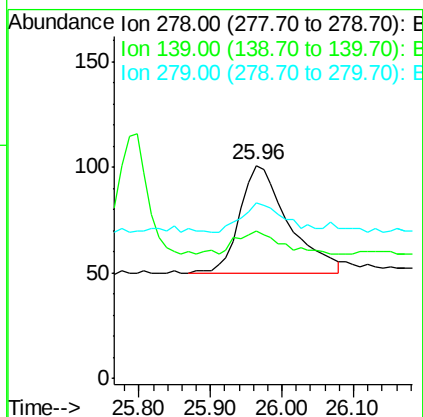
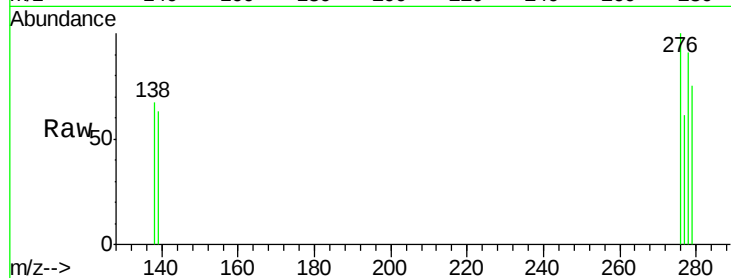




#25
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.96 min Scan# 1784
Delta R.T. 0.03 min
Lab File: BM007306.D
Acq: 26 Aug 2016 23:17

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 240
Ion Ratio Lower Upper
278 100
139 69.3 16.4 24.6#
279 82.2 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.64 min Scan# 1849
Delta R.T. 0.03 min
Lab File: BM007306.D
Acq: 26 Aug 2016 23:17

Tgt Ion: 276 Resp: 288
Ion Ratio Lower Upper
276 100
277 60.0 18.9 28.3#
138 66.1 22.5 33.7#

