

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007310.D
 Acq On : 27 Aug 2016 01:41
 Operator : UM/SJ
 Sample : MDL-05-W
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:09:15 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	7.81	152	1347	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5068	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3316	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9330	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10078	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	10673	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2193	0.35	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	7827	0.37	ng/ul	0.00

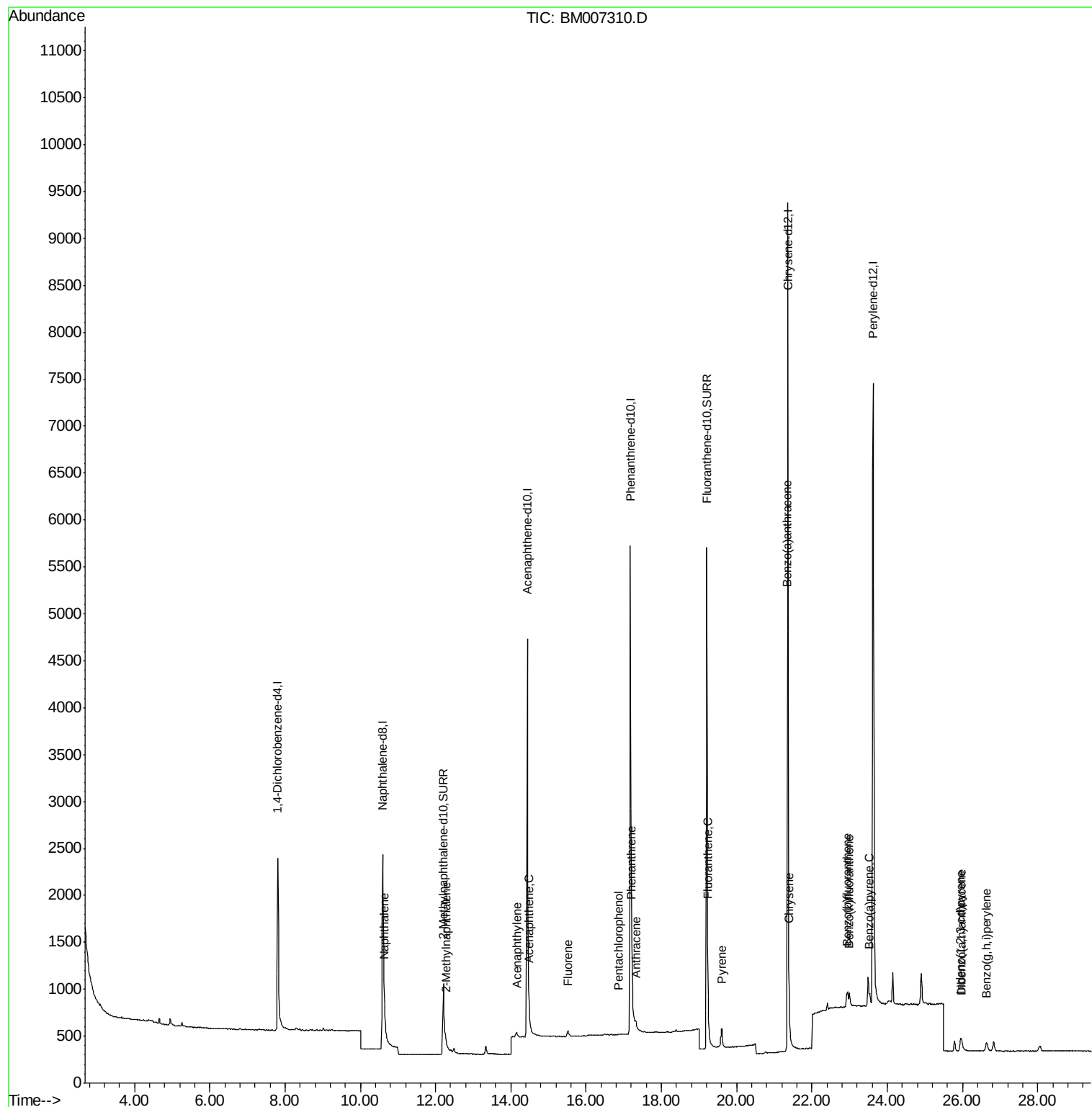
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	86	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.27	142	60	0.01	ng/ul	92
7) Acenaphthylene	14.16	152	80	0.00	ng/ul#	1
8) Acenaphthene	14.49	153	75	0.01	ng/ul#	76
9) Fluorene	15.51	166	85	0.01	ng/ul#	66
11) Pentachlorophenol	16.87	266	6	0.00	ng/ul#	1
12) Phenanthrene	17.21	178	200	0.01	ng/ul#	15
13) Anthracene	17.33	178	126	0.00	ng/ul#	1
15) Fluoranthene	19.23	202	268	0.01	ng/ul#	29
17) Pyrene	19.60	202	248	0.01	ng/ul#	50
18) Benzo(a)anthracene	21.35	228	228	0.01	ng/ul#	53
19) Chrysene	21.39	228	281	0.01	ng/ul#	59
21) Benzo(b)fluoranthene	22.94	252	266	0.01	ng/ul#	1
22) Benzo(k)fluoranthene	22.99	252	250	0.01	ng/ul#	1
23) Benzo(a)pyrene	23.53	252	240	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.95	276	261	0.01	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.97	278	205	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.64	276	236	0.01	ng/ul#	23

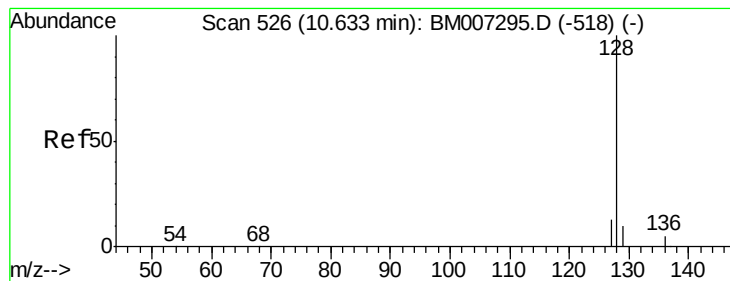
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :

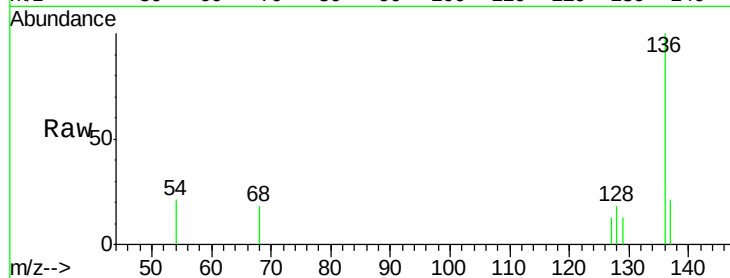
Tgt Ion:128 Resp: 86

Ion Ratio Lower Upper

128 100

129 71.1 9.0 13.6#

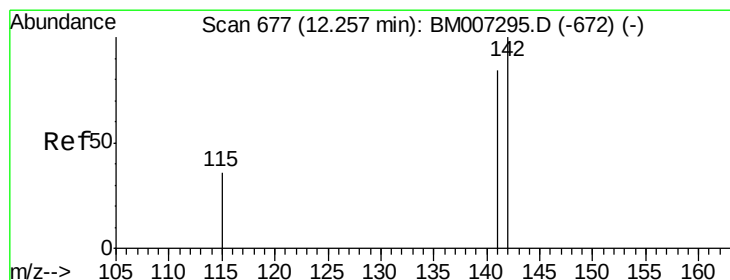
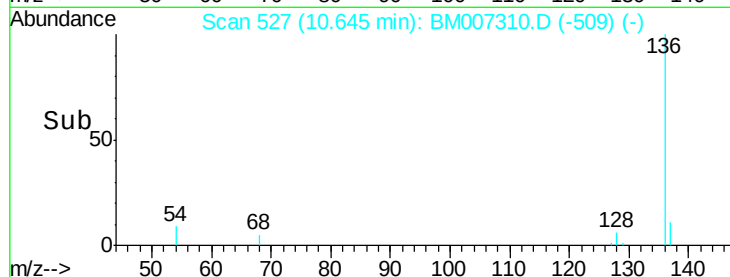
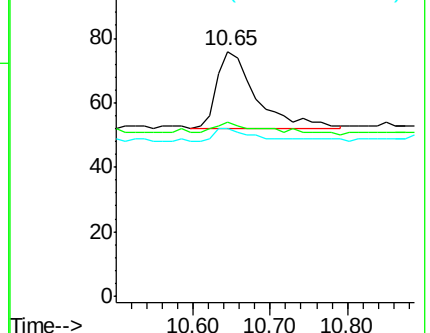
127 68.4 9.6 14.4#



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: 0.01 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM007310.D

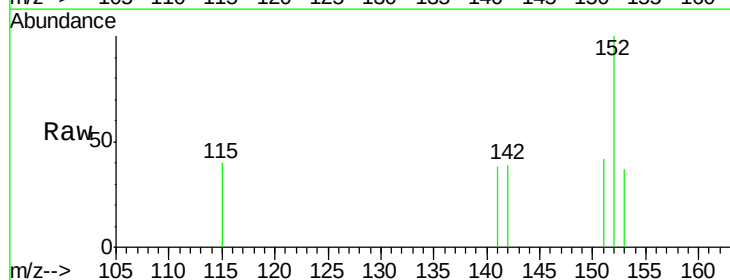
Acq: 27 Aug 2016 01:41

Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

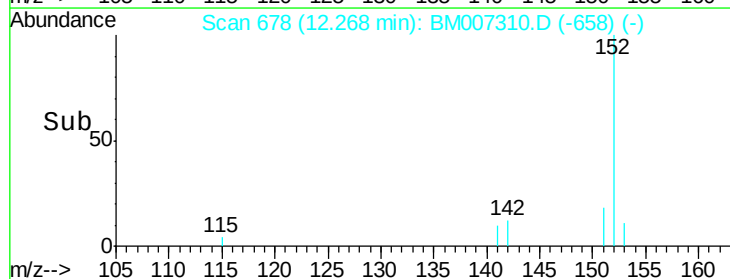
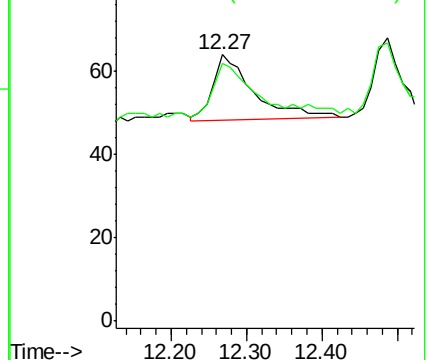
142 100

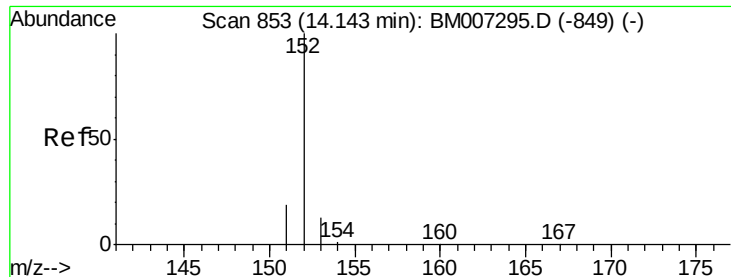
141 95.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.16 min Scan# 854

Delta R.T. 0.02 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :

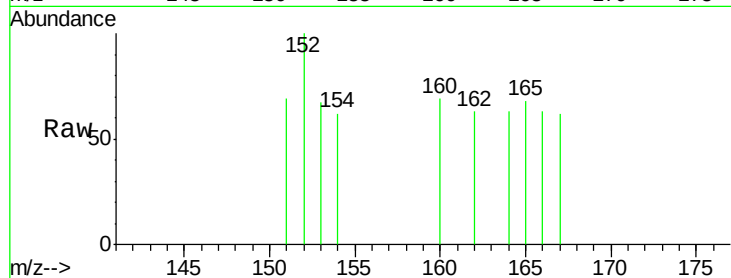
Tgt Ion:152 Resp: 80

Ion Ratio Lower Upper

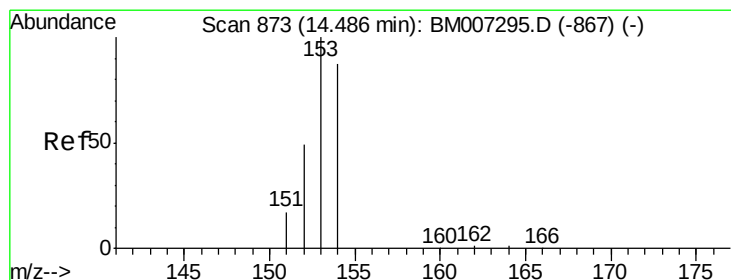
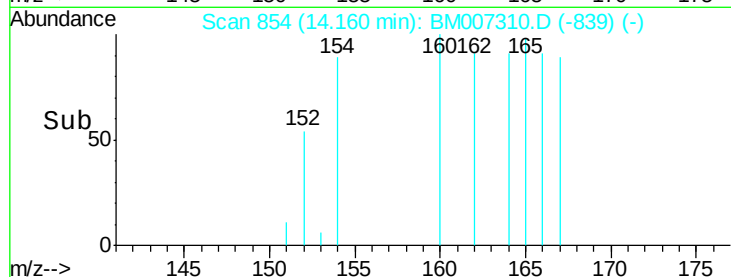
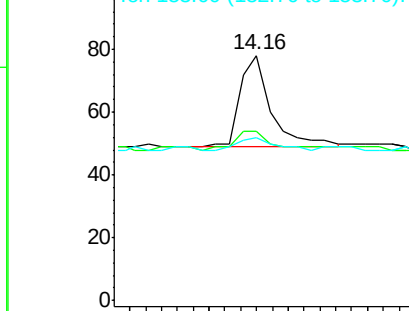
152 100

151 69.2 17.6 26.4#

153 66.7 9.7 14.5#



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: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

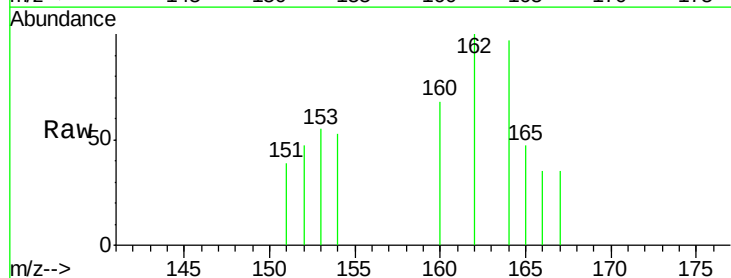
Tgt Ion:153 Resp: 75

Ion Ratio Lower Upper

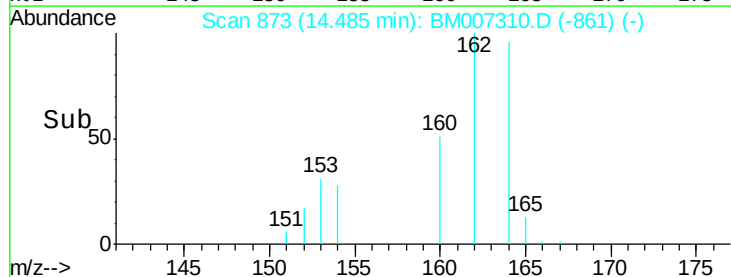
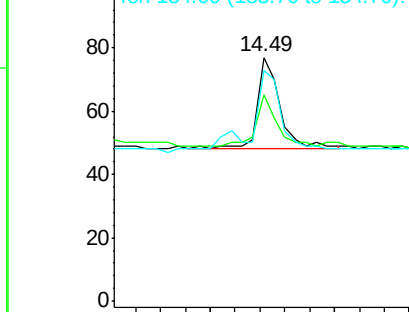
153 100

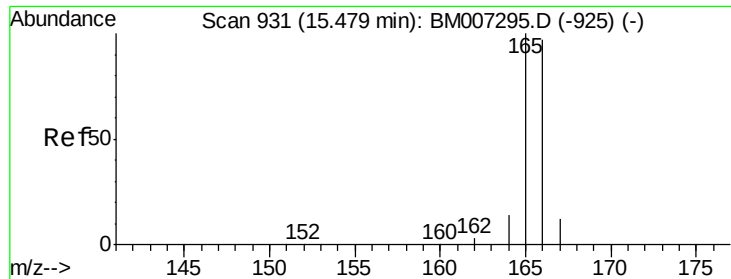
152 84.4 33.9 50.9#

154 94.8 80.6 121.0



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: 0.01 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.03 min

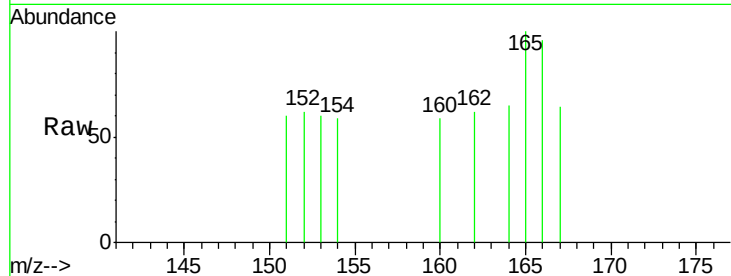
Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :



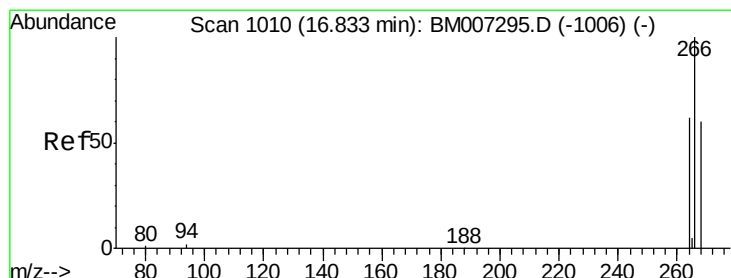
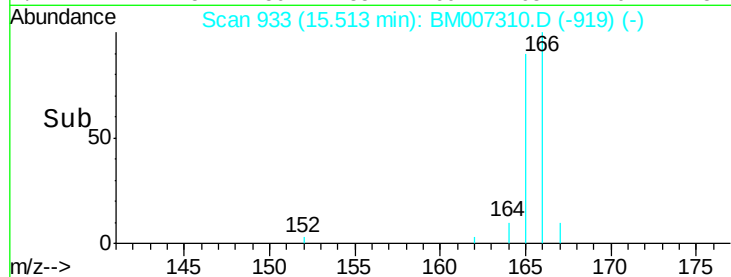
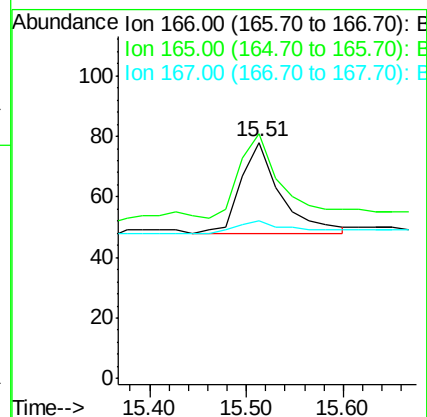
Tgt Ion:166 Resp: 85

Ion Ratio Lower Upper

166 100

165 103.8 69.6 104.4

167 66.7 11.9 17.9#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.03 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

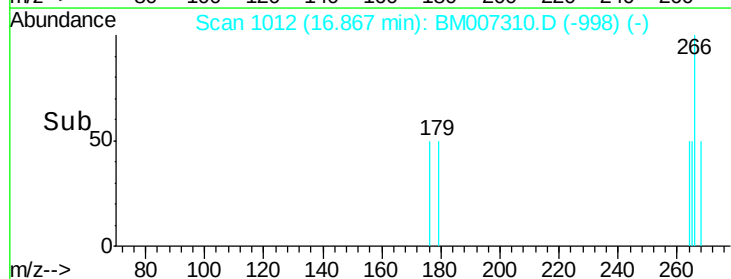
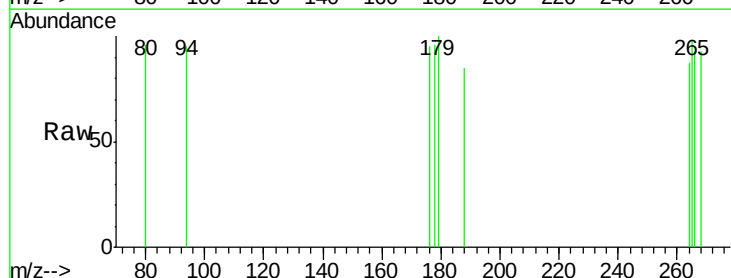
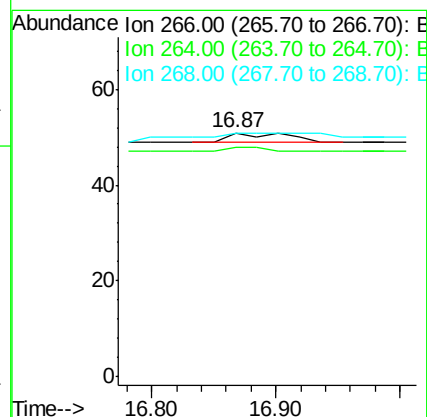
Tgt Ion:266 Resp: 6

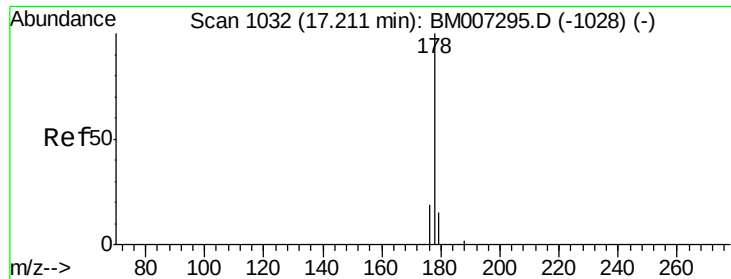
Ion Ratio Lower Upper

266 100

264 266.7 51.8 77.8#

268 266.7 46.8 70.2#





#12

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

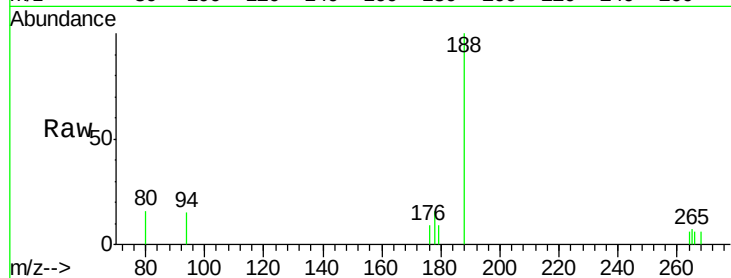
Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :



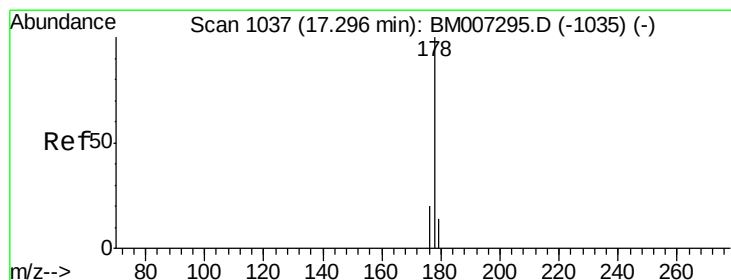
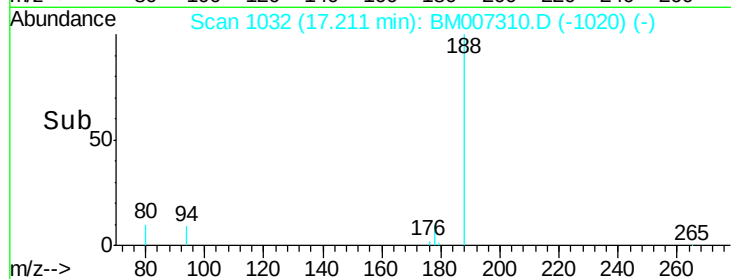
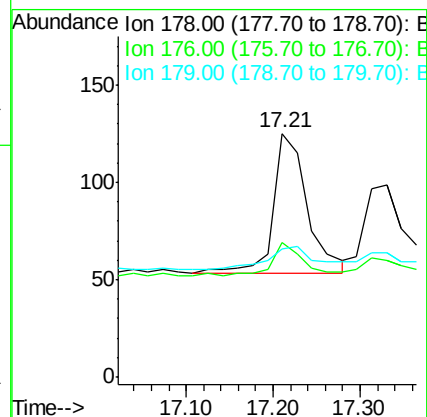
Tgt Ion:178 Resp: 200

Ion Ratio Lower Upper

178 100

176 55.2 13.0 19.4#

179 52.8 14.2 21.2#



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.03 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

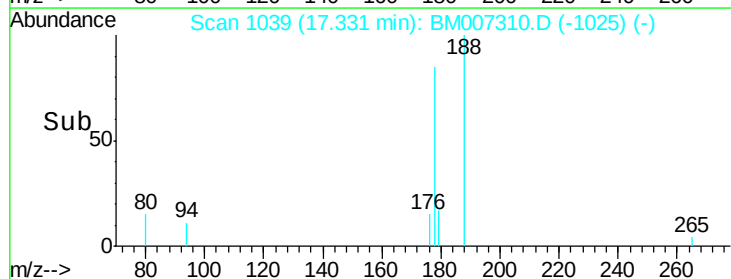
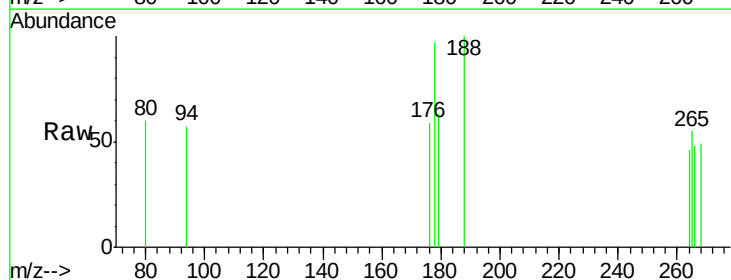
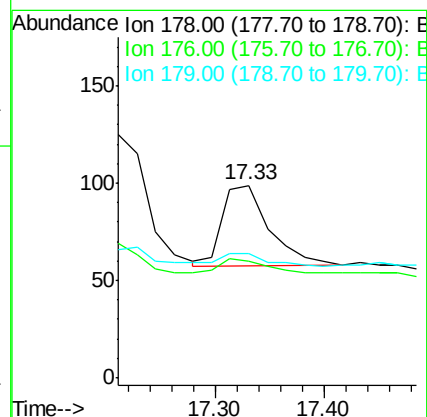
Tgt Ion:178 Resp: 126

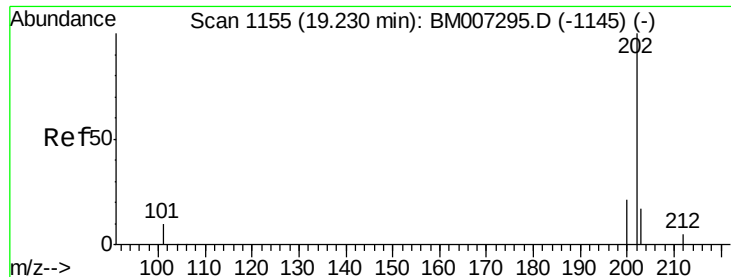
Ion Ratio Lower Upper

178 100

176 60.6 14.0 21.0#

179 64.6 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: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :

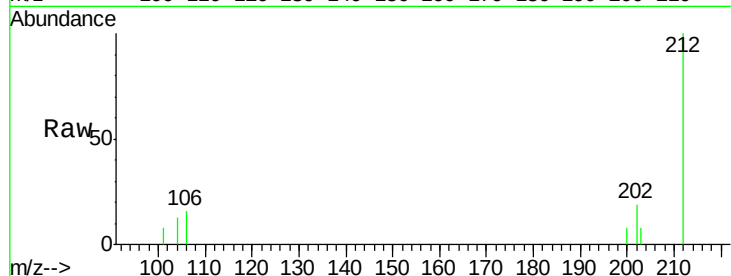
Tgt Ion:202 Resp: 268

Ion Ratio Lower Upper

202 100

101 40.7 0.0 29.6#

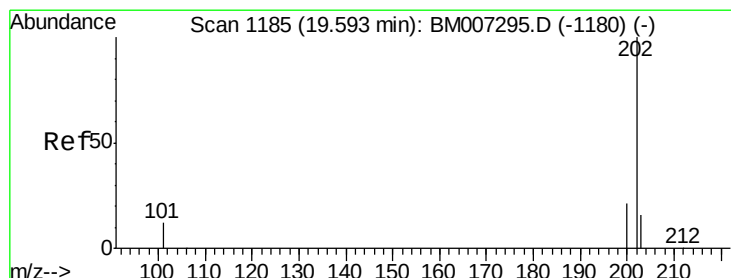
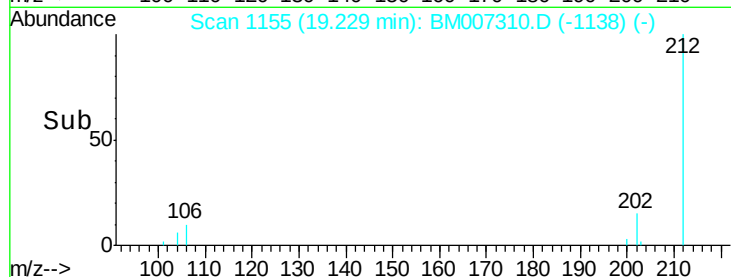
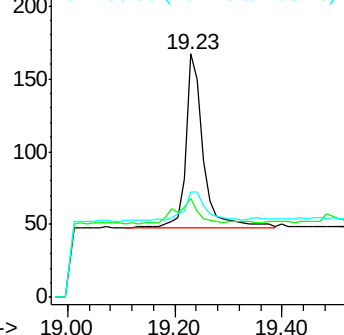
203 43.1 0.0 36.3#



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: BM007310.D

Acq: 27 Aug 2016 01:41

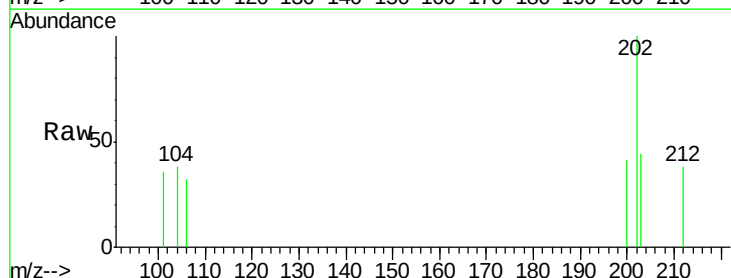
Tgt Ion:202 Resp: 248

Ion Ratio Lower Upper

202 100

200 40.9 17.8 26.8#

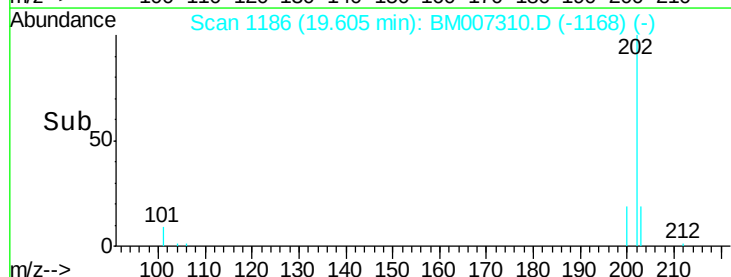
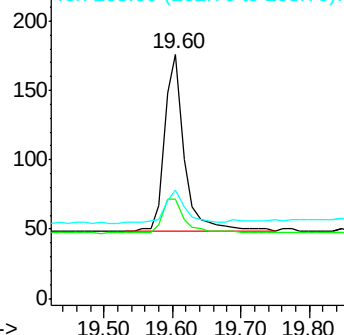
203 44.3 12.8 19.2#

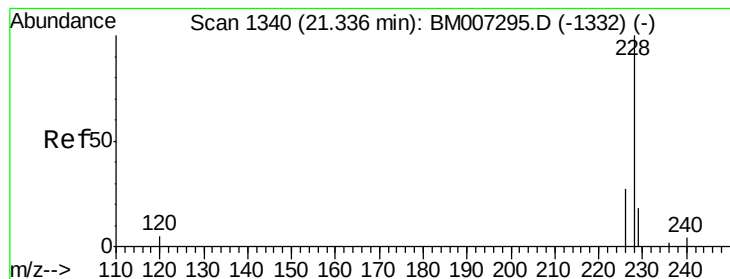


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :

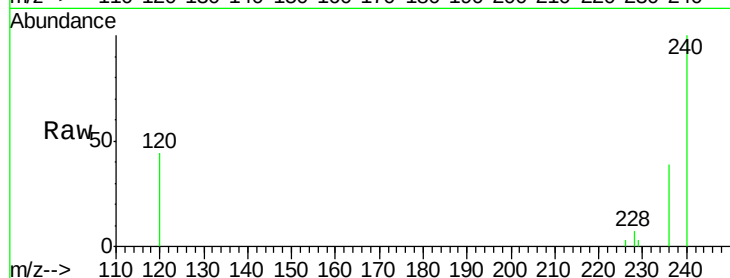
Tgt Ion:228 Resp: 228

Ion Ratio Lower Upper

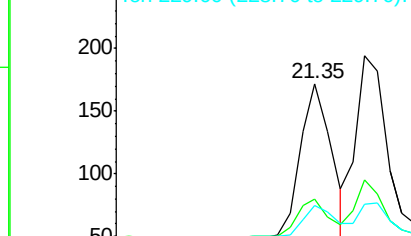
228 100

226 46.5 18.8 28.2#

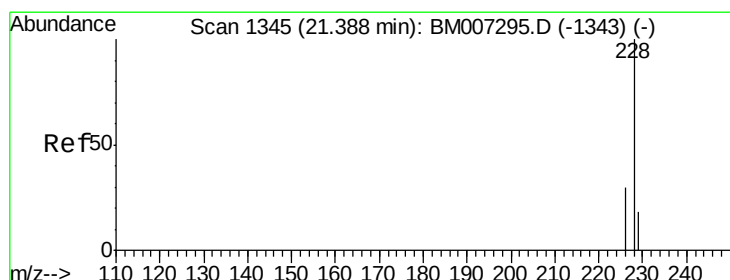
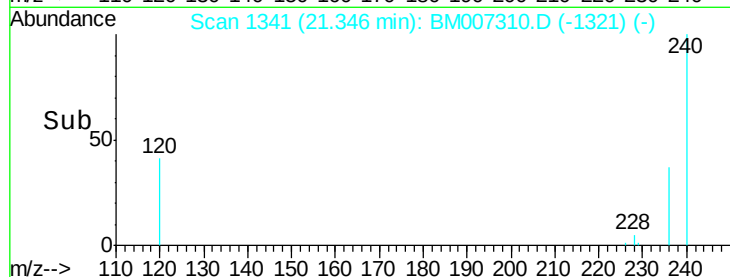
229 43.6 17.1 25.7#



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



Time-->



#19

Chrysene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

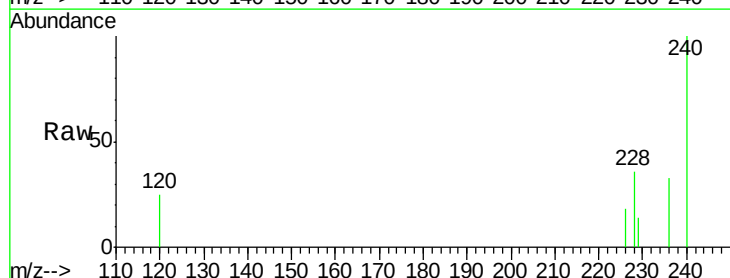
Tgt Ion:228 Resp: 281

Ion Ratio Lower Upper

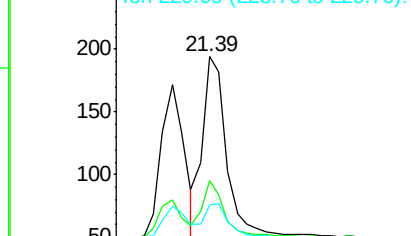
228 100

226 49.0 21.2 31.8#

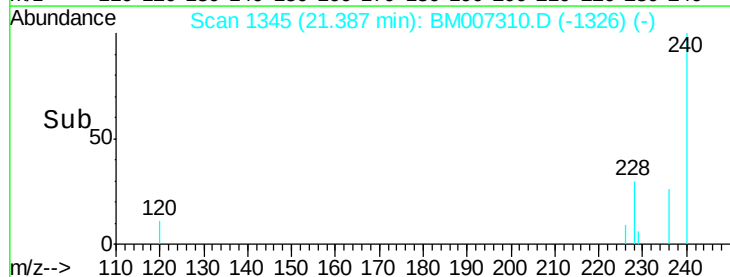
229 39.2 17.0 25.6#

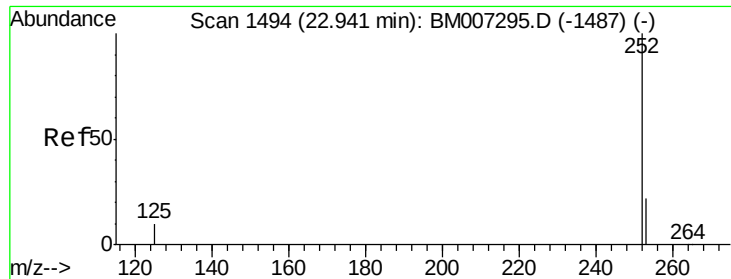


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :

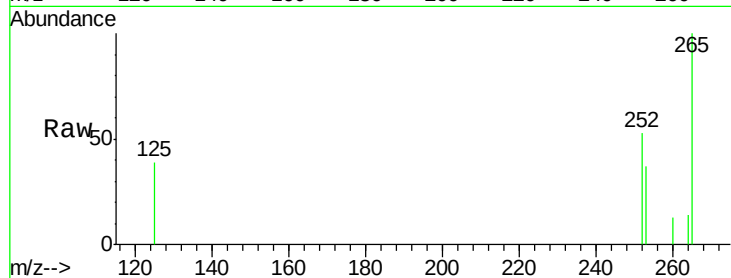
Tgt Ion:252 Resp: 266

Ion Ratio Lower Upper

252 100

253 70.6 0.0 45.4#

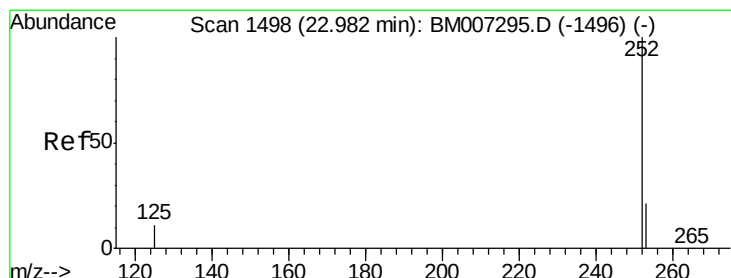
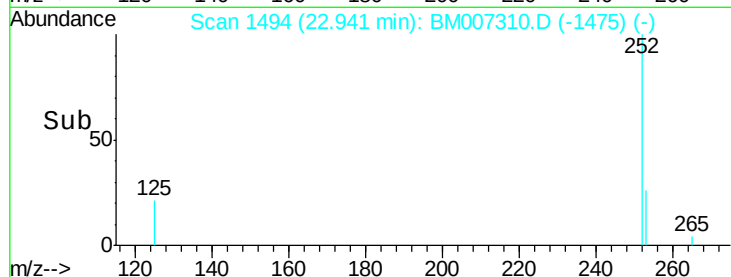
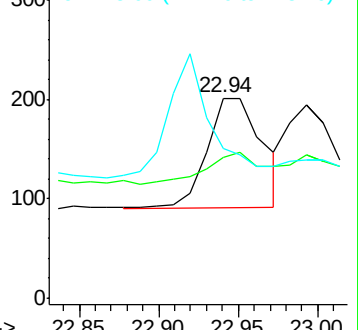
125 74.6 0.0 28.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

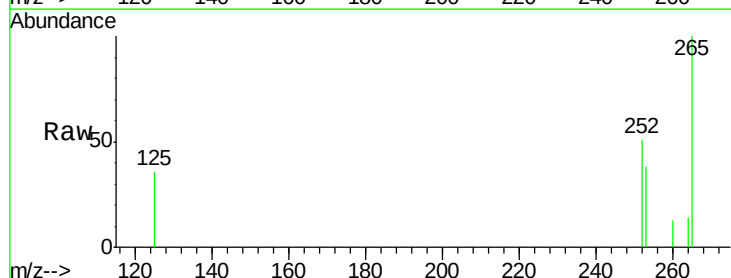
Tgt Ion:252 Resp: 250

Ion Ratio Lower Upper

252 100

253 74.2 19.8 29.8#

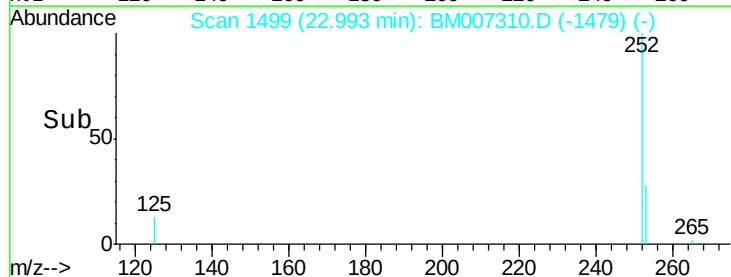
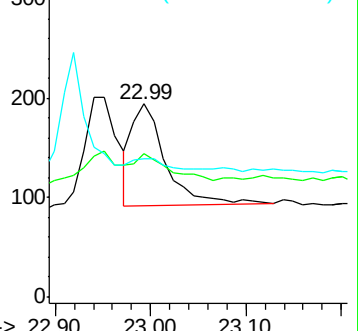
125 71.6 10.4 15.6#

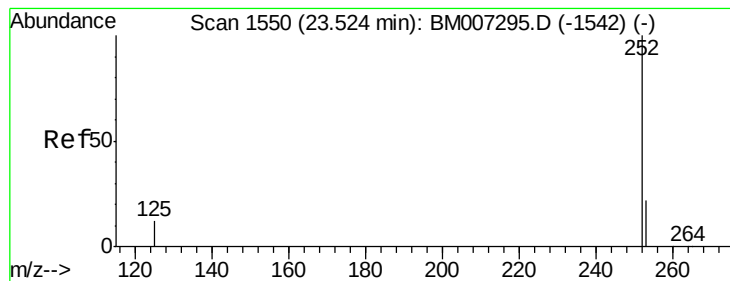


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. 0.01 min

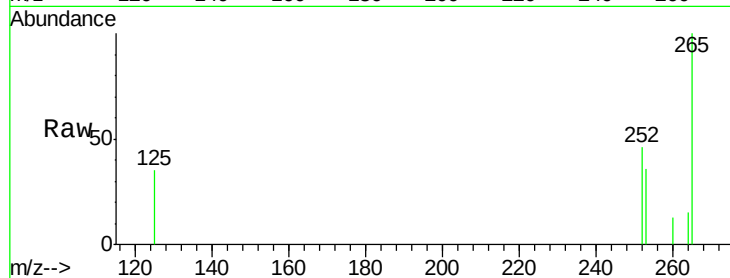
Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Instrument :

BNA_M

ClientSampleId :



Tgt Ion: 252 Resp: 240

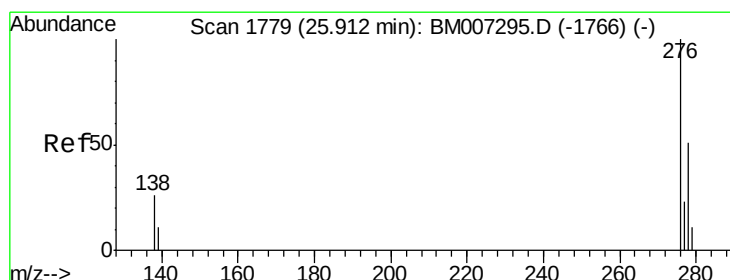
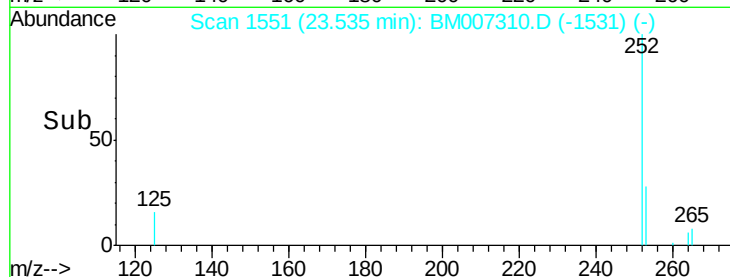
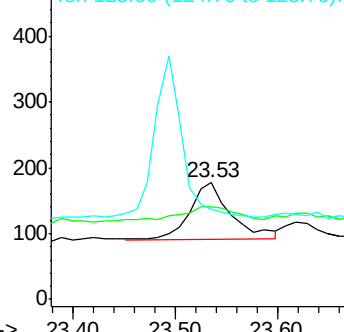
Ion Ratio Lower Upper

252 100

253 79.7 19.4 29.2#

125 77.4 12.7 19.1#

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: 0.01 ng/ul

RT: 25.95 min Scan# 1783

Delta R.T. 0.04 min

Lab File: BM007310.D

Acq: 27 Aug 2016 01:41

Tgt Ion: 276 Resp: 261

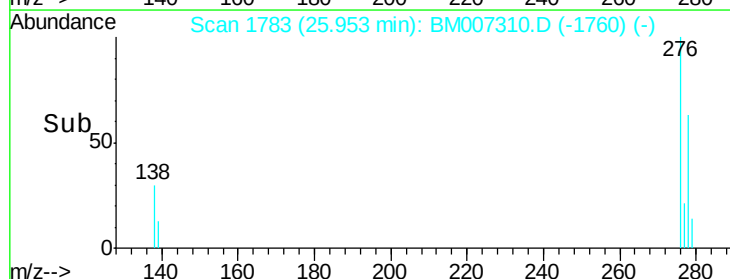
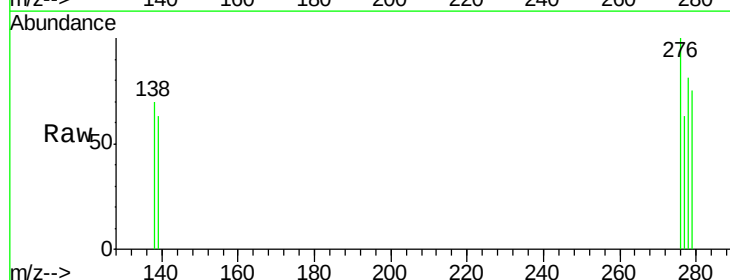
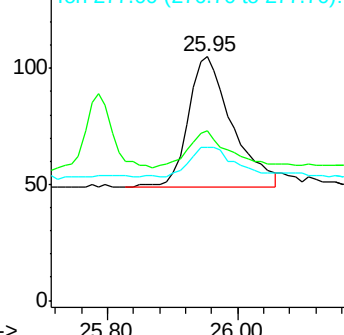
Ion Ratio Lower Upper

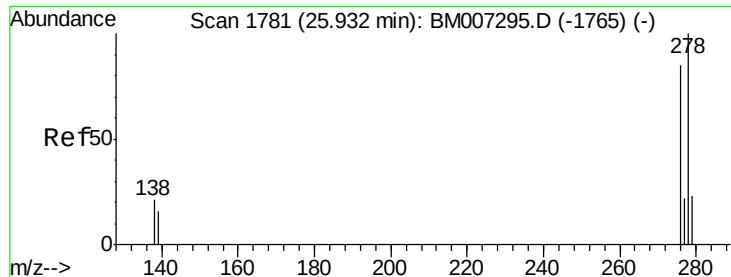
276 100

138 27.6 16.3 24.5#

277 24.5 19.8 29.8

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

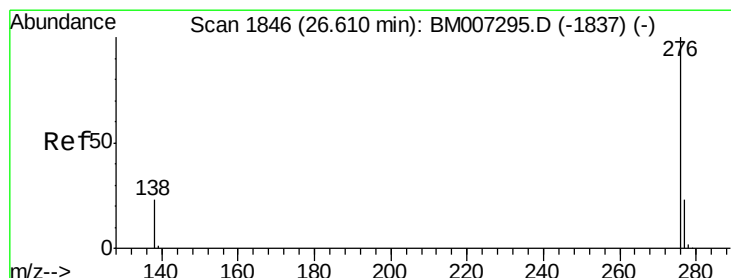
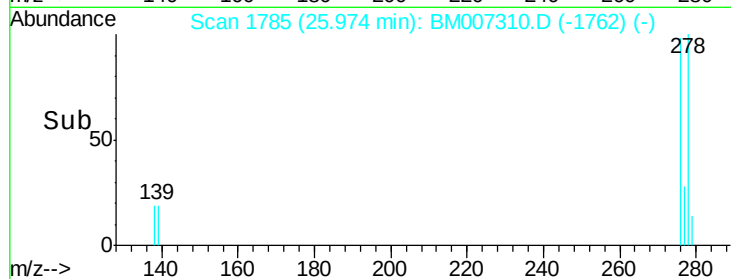
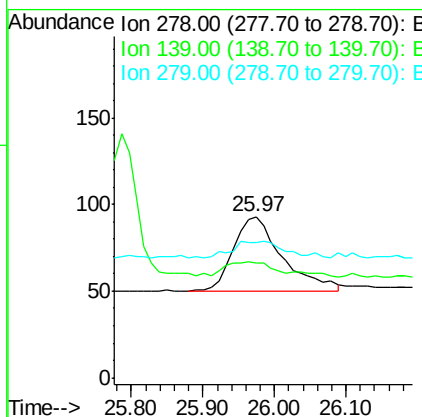
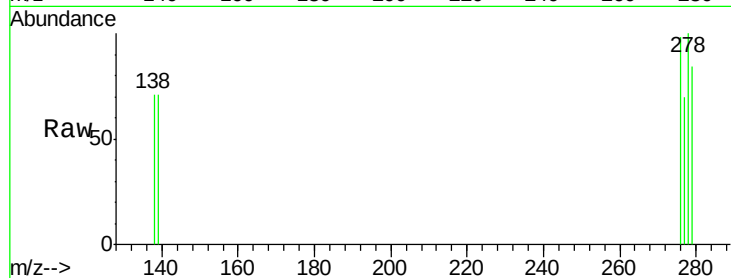




#25
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.97 min Scan# 1785
Delta R.T. 0.04 min
Lab File: BM007310.D
Acq: 27 Aug 2016 01:41

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 205
Ion Ratio Lower Upper
278 100
139 71.0 16.4 24.6#
279 83.9 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: BM007310.D
Acq: 27 Aug 2016 01:41

Tgt Ion: 276 Resp: 236
Ion Ratio Lower Upper
276 100
277 63.2 18.9 28.3#
138 67.0 22.5 33.7#

