

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007309.D
 Acq On : 27 Aug 2016 01:05
 Operator : UM/SJ
 Sample : MDL-04-W
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:09:05 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	1509	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5663	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3702	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10222	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10735	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	11348	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2479	0.35	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	8826	0.38	ng/ul	0.00

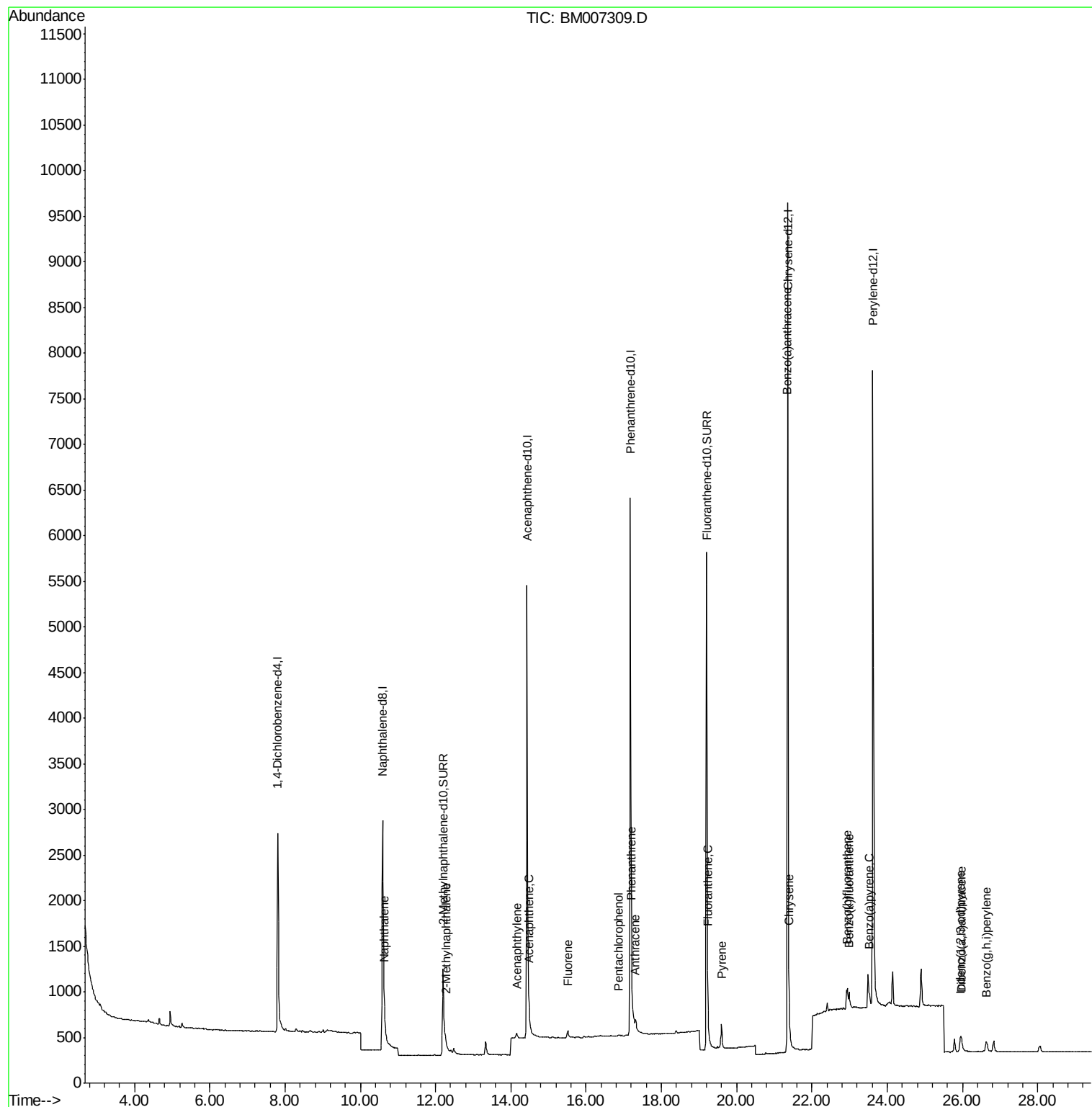
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	103	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.27	142	59	0.01	ng/ul	83
7) Acenaphthylene	14.16	152	99	0.00	ng/ul#	1
8) Acenaphthene	14.49	153	91	0.01	ng/ul#	76
9) Fluorene	15.51	166	103	0.01	ng/ul#	66
11) Pentachlorophenol	16.87	266	21	0.01	ng/ul#	76
12) Phenanthrene	17.21	178	222	0.01	ng/ul#	26
13) Anthracene	17.31	178	150	0.01	ng/ul#	6
15) Fluoranthene	19.23	202	294	0.01	ng/ul#	46
17) Pyrene	19.60	202	301	0.01	ng/ul#	58
18) Benzo(a)anthracene	21.35	228	268	0.01	ng/ul#	57
19) Chrysene	21.39	228	323	0.01	ng/ul#	67
21) Benzo(b)fluoranthene	22.94	252	297	0.01	ng/ul#	4
22) Benzo(k)fluoranthene	23.00	252	309	0.01	ng/ul#	1
23) Benzo(a)pyrene	23.53	252	280	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.95	276	315	0.01	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.97	278	240	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.63	276	291	0.01	ng/ul#	25

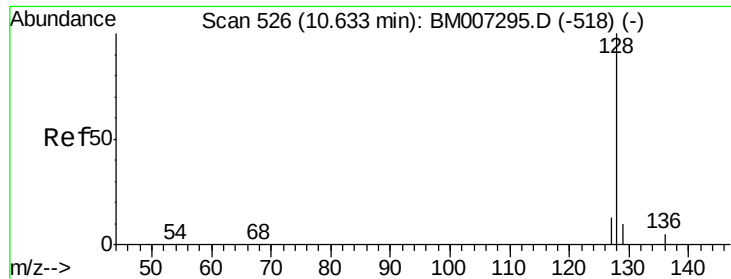
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007309.D

Acq: 27 Aug 2016 01:05

Instrument :

BNA_M

ClientSampleId :

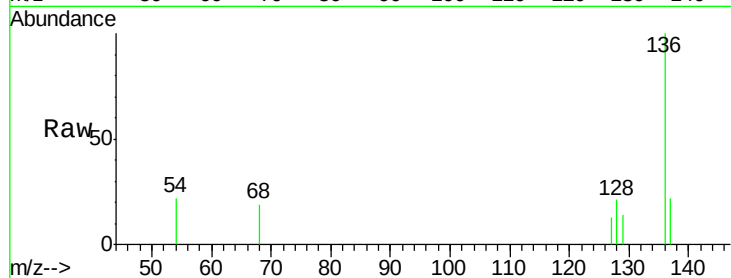
Tgt Ion:128 Resp: 103

Ion Ratio Lower Upper

128 100

129 65.5 9.0 13.6#

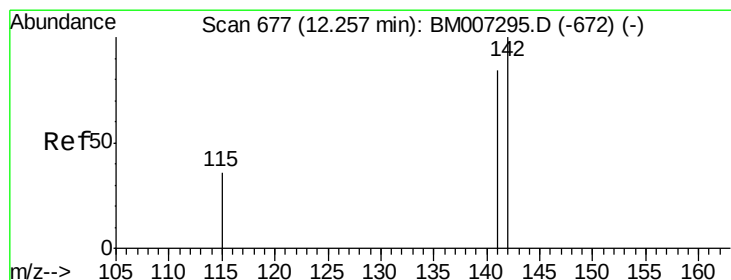
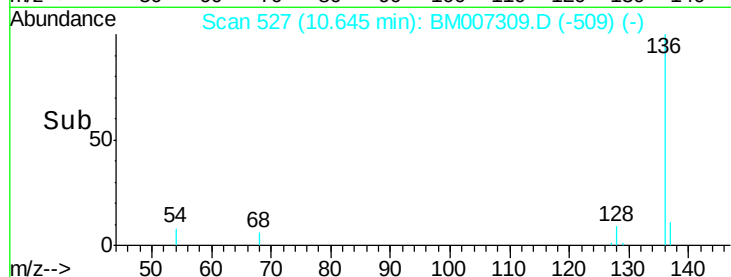
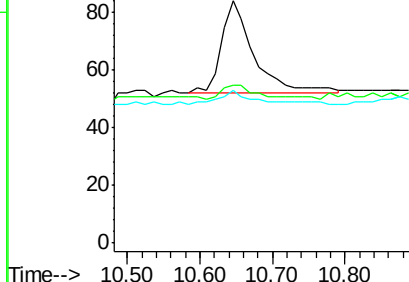
127 63.1 9.6 14.4#



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: BM007309.D

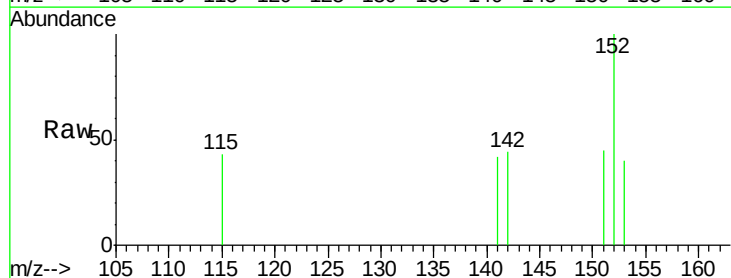
Acq: 27 Aug 2016 01:05

Tgt Ion:142 Resp: 59

Ion Ratio Lower Upper

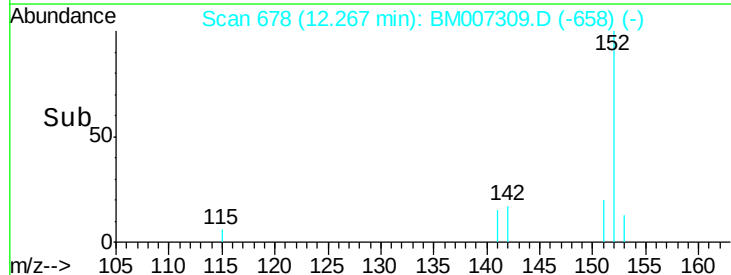
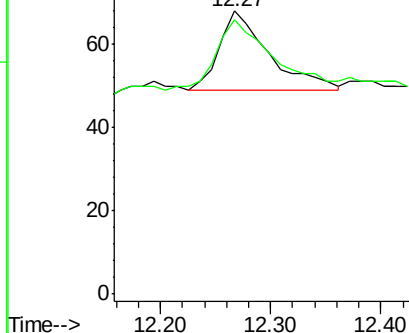
142 100

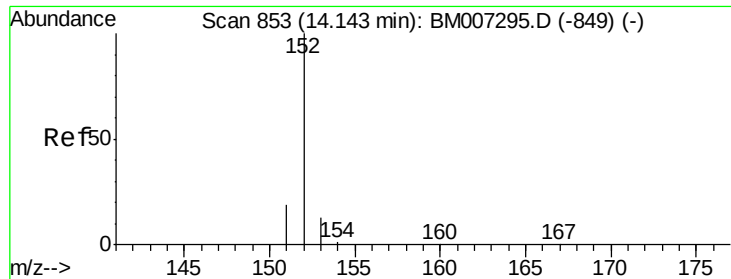
141 103.4 70.3 105.5



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: BM007309.D

Acq: 27 Aug 2016 01:05

Instrument :

BNA_M

ClientSampleId :

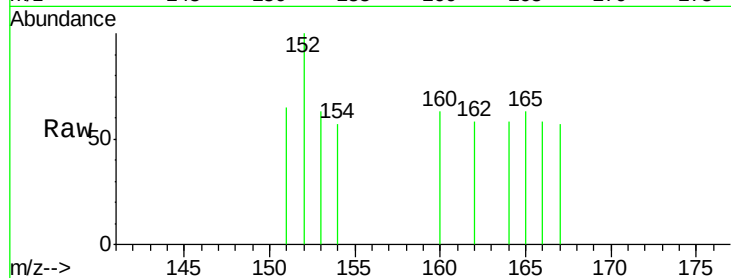
Tgt Ion:152 Resp: 99

Ion Ratio Lower Upper

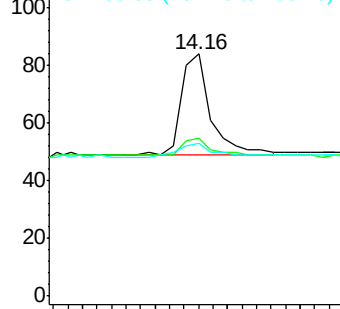
152 100

151 65.5 17.6 26.4#

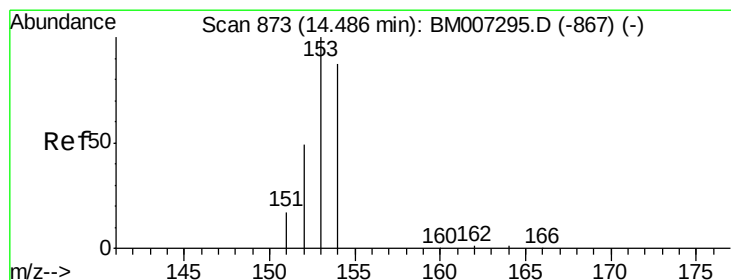
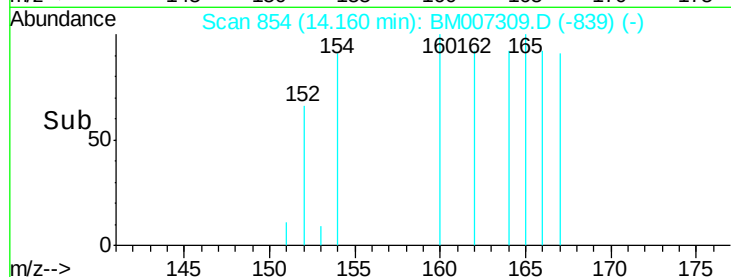
153 63.1 9.7 14.5#



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



Time-->



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

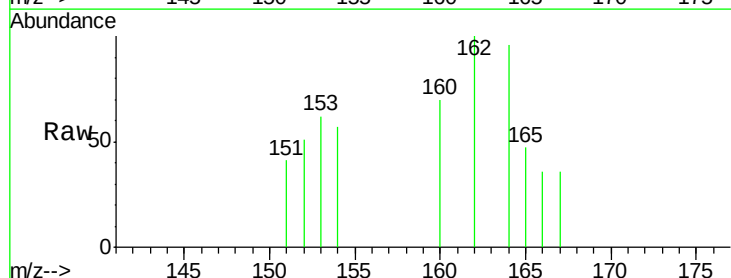
Tgt Ion:153 Resp: 91

Ion Ratio Lower Upper

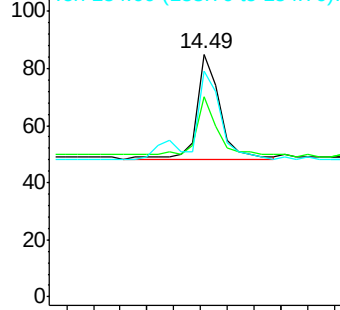
153 100

152 82.4 33.9 50.9#

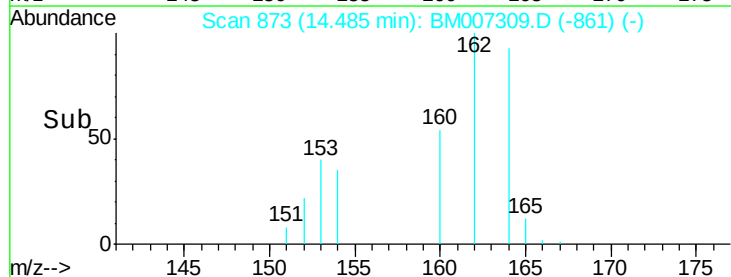
154 92.9 80.6 121.0

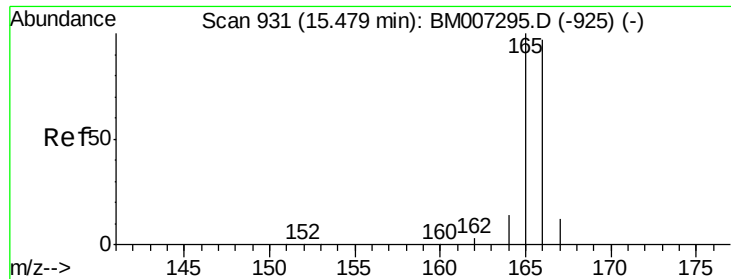


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->

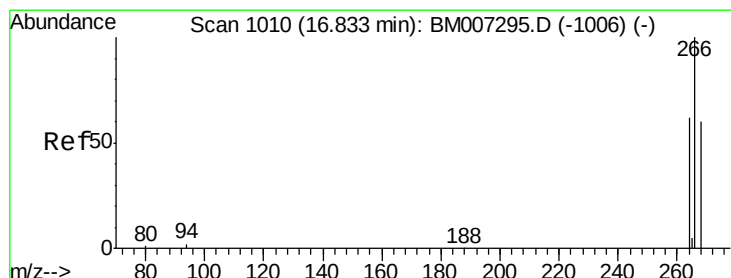
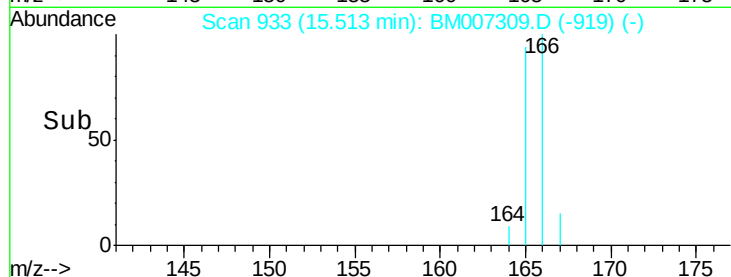
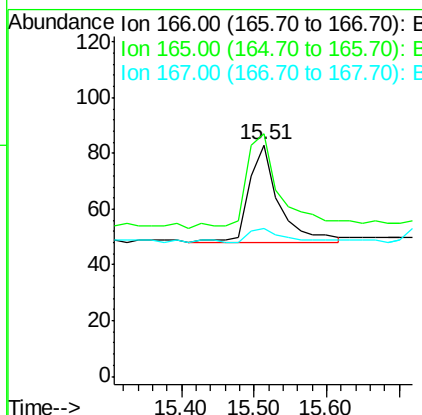
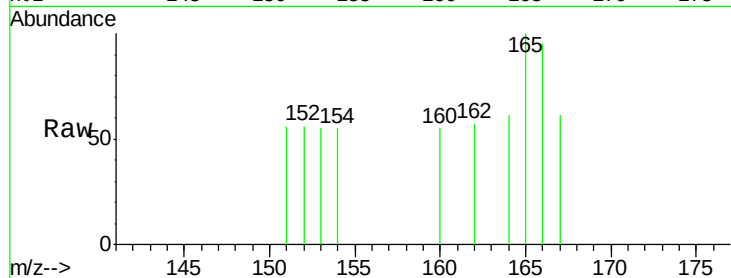




#9
Fluorene
 Concen: 0.01 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.03 min
 Lab File: BM007309.D
 Acq: 27 Aug 2016 01:05

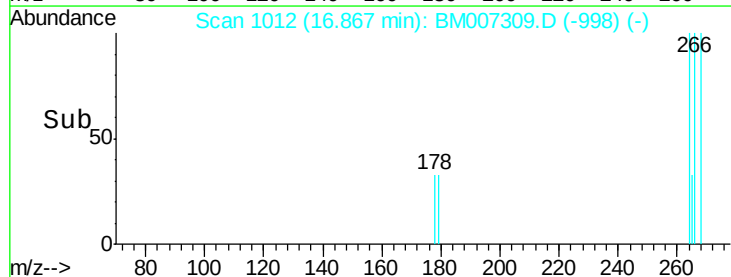
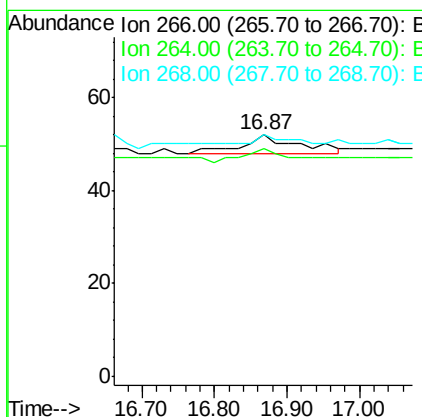
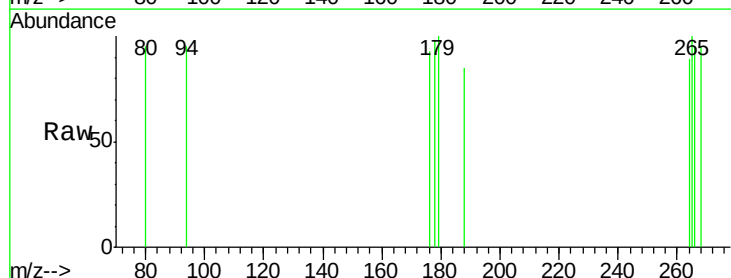
Instrument :
 BNA_M
 ClientSampleId :

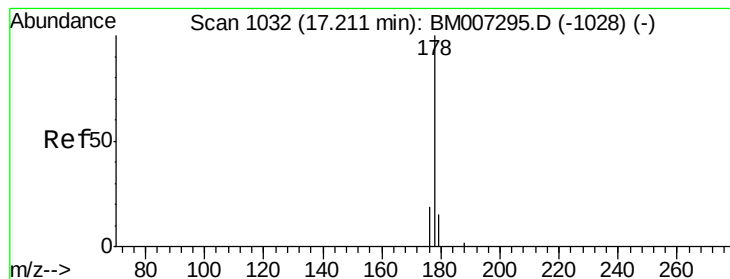
Tgt Ion:166 Resp: 103
 Ion Ratio Lower Upper
 166 100
 165 104.8 69.6 104.4#
 167 63.9 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.03 min
 Lab File: BM007309.D
 Acq: 27 Aug 2016 01:05

Tgt Ion:266 Resp: 21
 Ion Ratio Lower Upper
 266 100
 264 61.9 51.8 77.8
 268 23.8 46.8 70.2#





#12

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

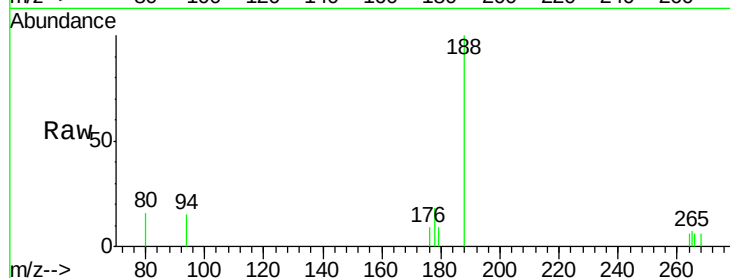
Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:178 Resp: 222

Ion Ratio Lower Upper

178 100

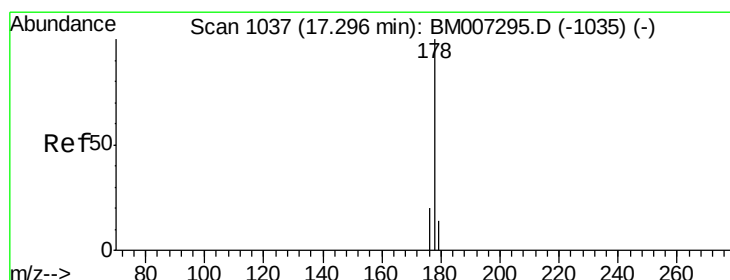
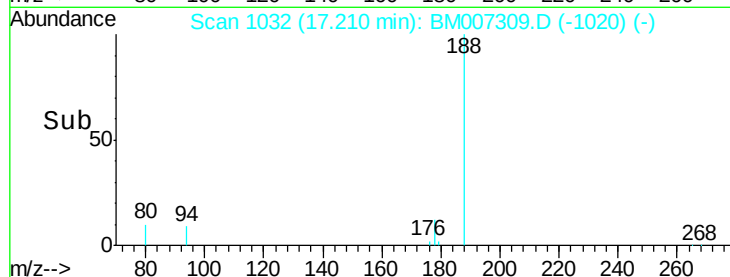
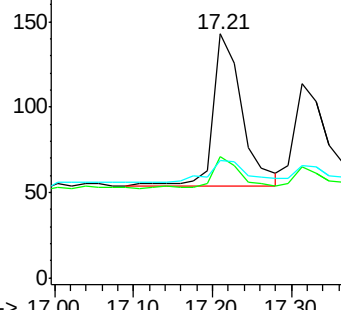
176 49.7 13.0 19.4#

179 48.3 14.2 21.2#

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: 0.01 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

Tgt Ion:178 Resp: 150

Ion Ratio Lower Upper

178 100

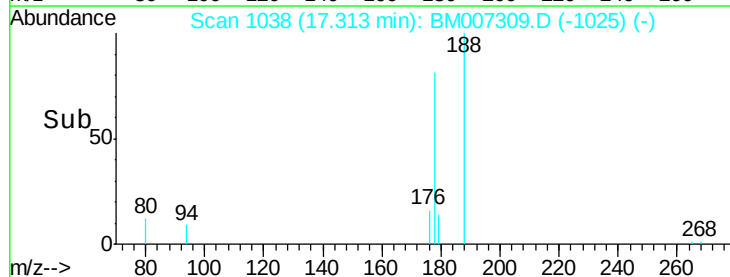
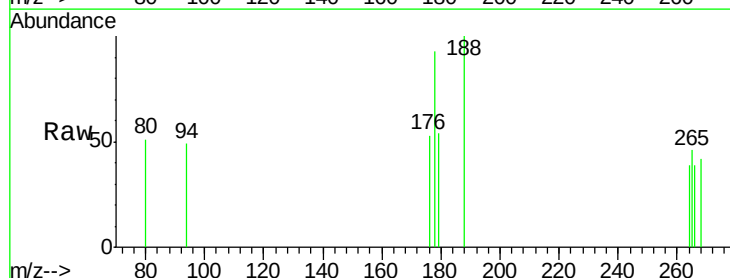
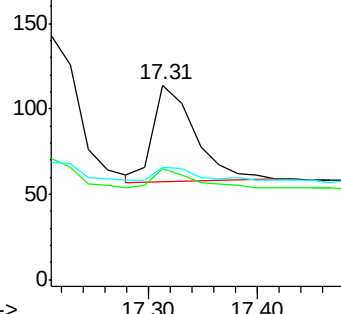
176 57.0 14.0 21.0#

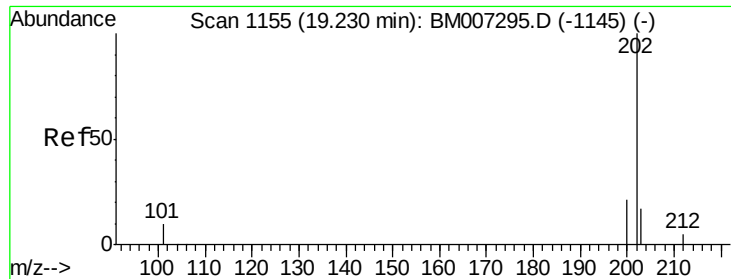
179 57.9 12.9 19.3#

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

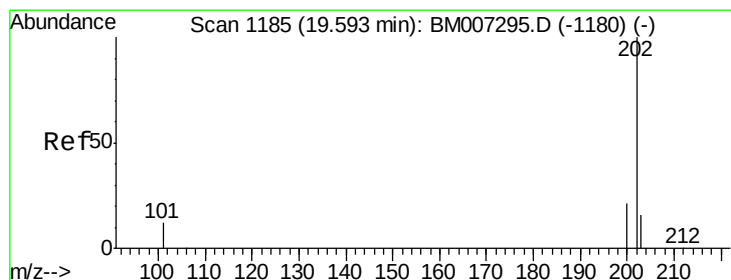
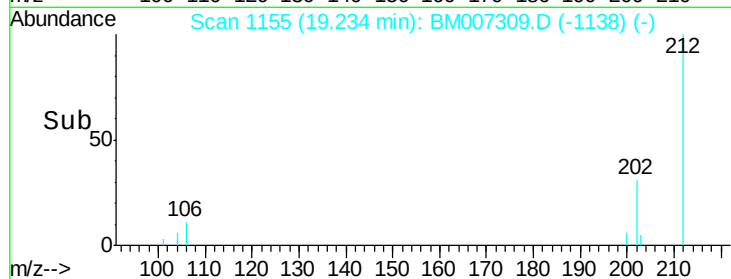
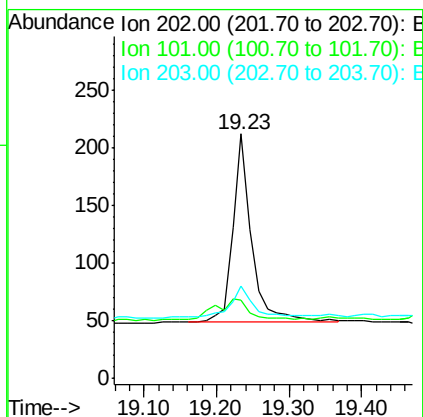
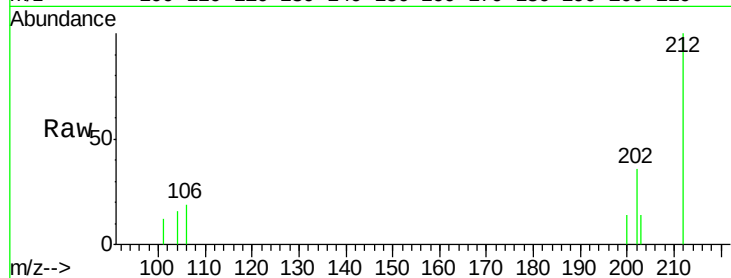




#15
 Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.23 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BM007309.D
 Acq: 27 Aug 2016 01:05

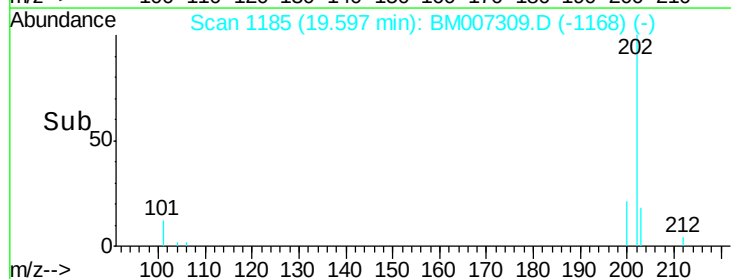
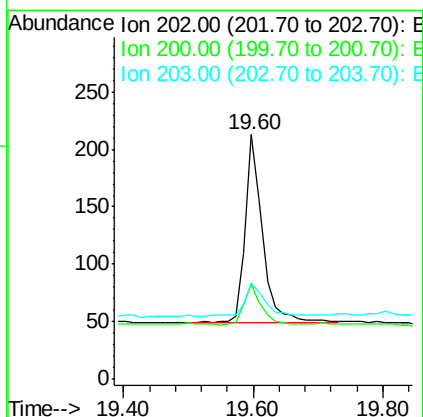
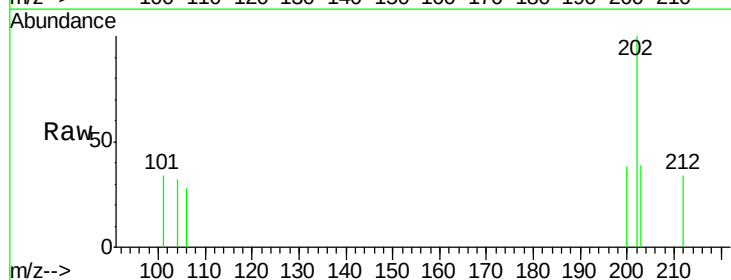
Instrument :
 BNA_M
 ClientSampleId :

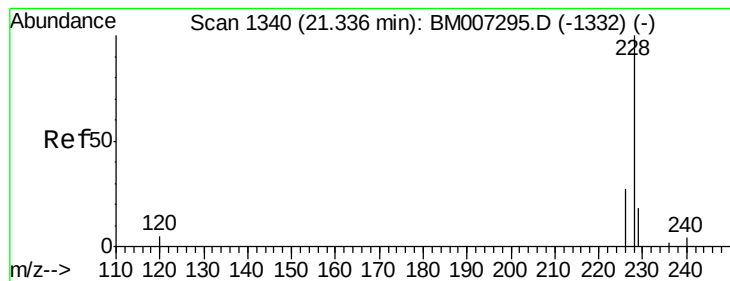
Tgt Ion: 202 Resp: 294
 Ion Ratio Lower Upper
 202 100
 101 31.6 0.0 29.6#
 203 37.7 0.0 36.3#



#17
 Pyrene
 Concen: 0.01 ng/ul
 RT: 19.60 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BM007309.D
 Acq: 27 Aug 2016 01:05

Tgt Ion: 202 Resp: 301
 Ion Ratio Lower Upper
 202 100
 200 38.5 17.8 26.8#
 203 39.0 12.8 19.2#





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

Instrument :

BNA_M

ClientSampleId :

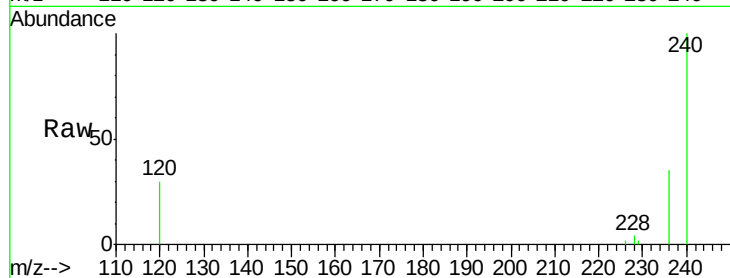
Tgt Ion:228 Resp: 268

Ion Ratio Lower Upper

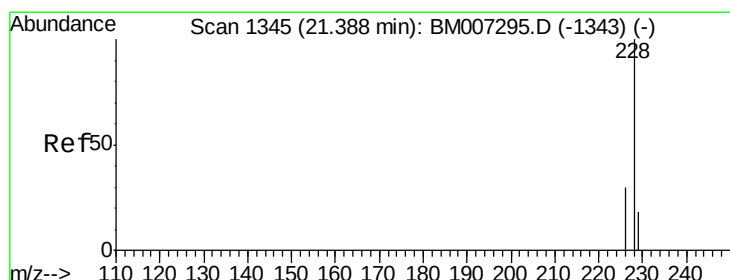
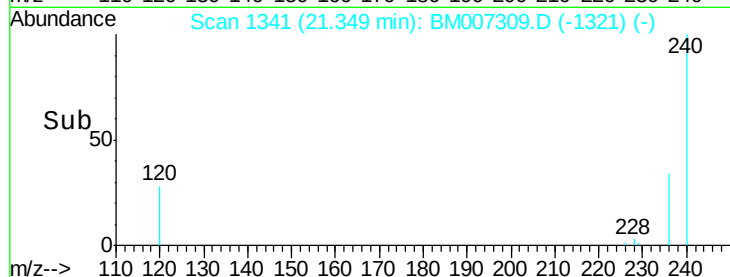
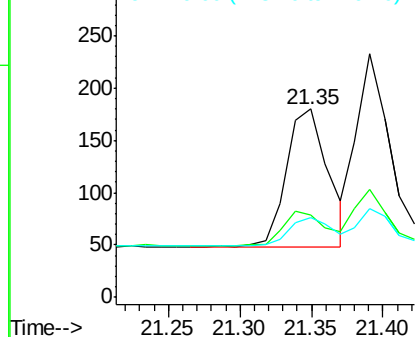
228 100

226 43.9 18.8 28.2#

229 42.2 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



#19

Chrysene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

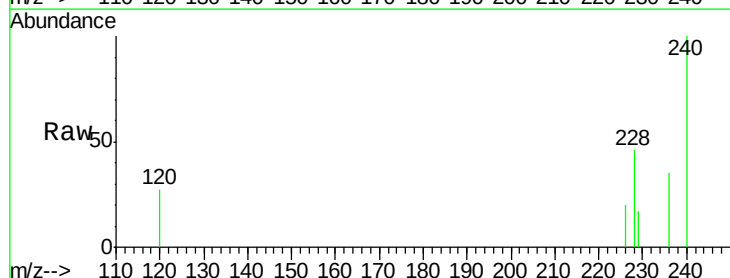
Tgt Ion:228 Resp: 323

Ion Ratio Lower Upper

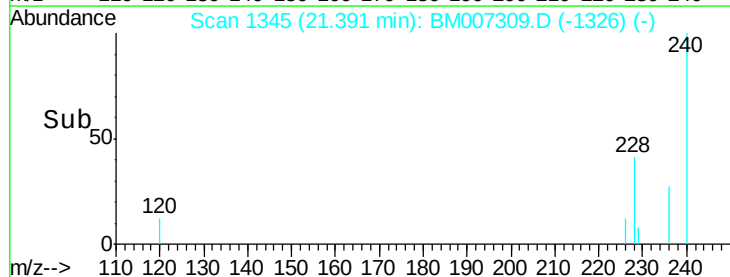
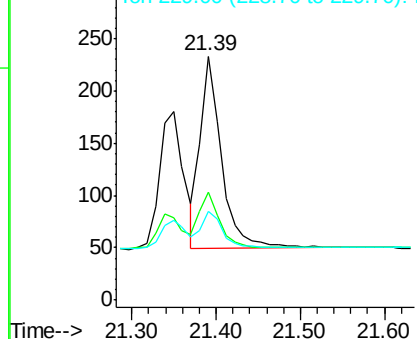
228 100

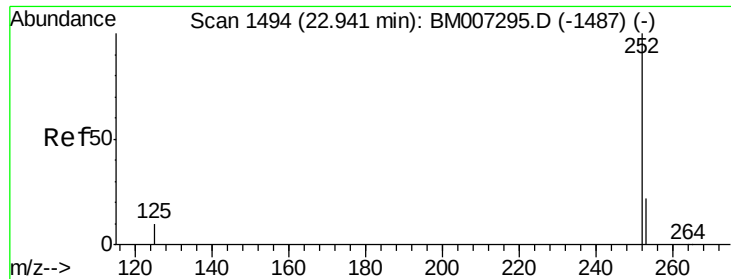
226 44.2 21.2 31.8#

229 36.5 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





#21

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.94 min Scan# 1494

Delta R.T. 0.00 min

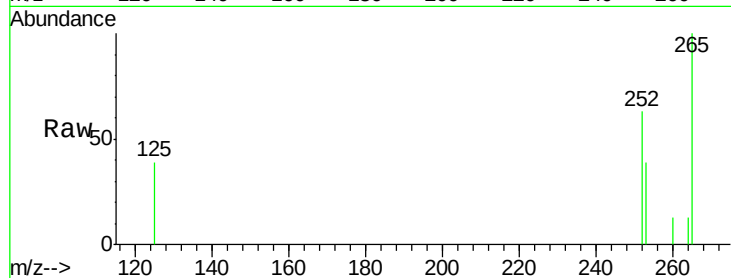
Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

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ClientSampleId :



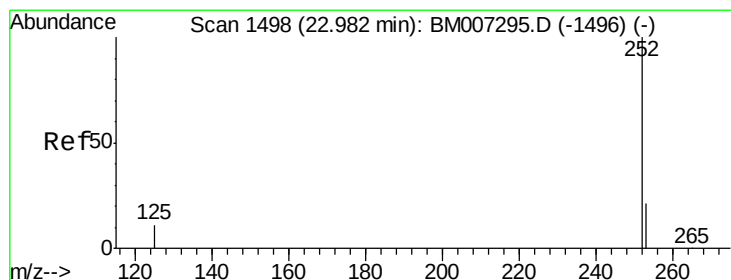
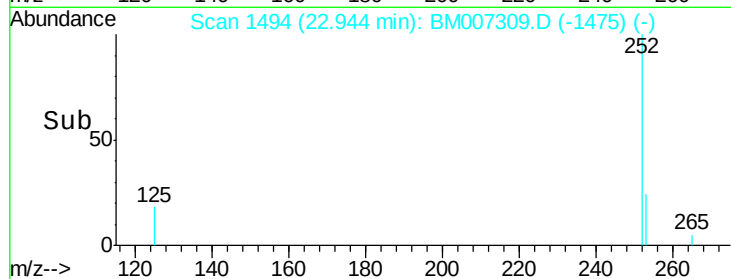
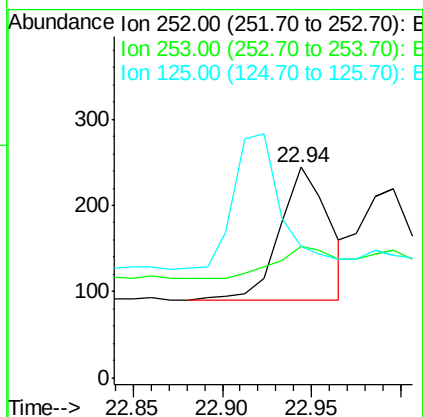
Tgt Ion: 252 Resp: 297

Ion Ratio Lower Upper

252 100

253 62.3 0.0 45.4#

125 62.7 0.0 28.8#



#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 23.00 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

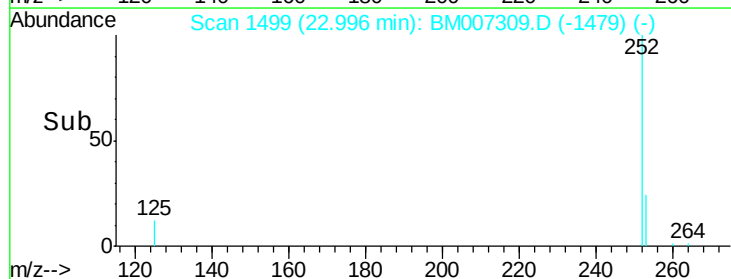
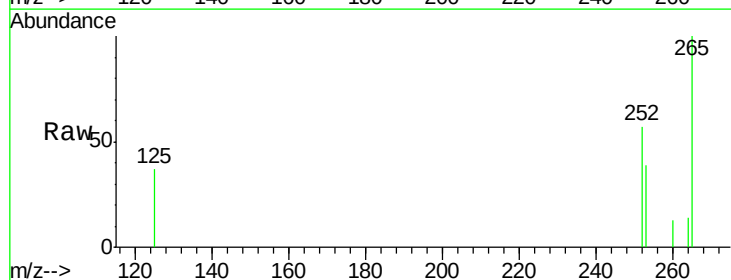
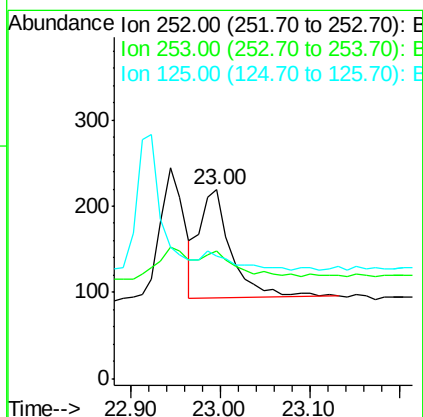
Tgt Ion: 252 Resp: 309

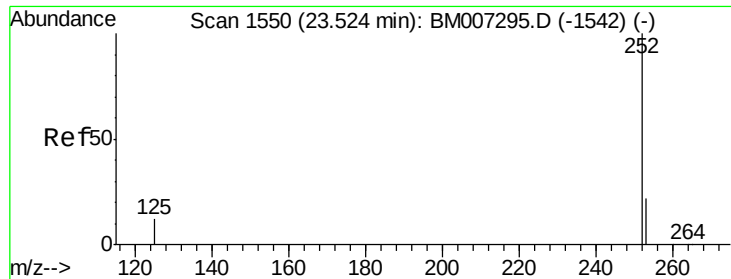
Ion Ratio Lower Upper

252 100

253 67.6 19.8 29.8#

125 64.8 10.4 15.6#





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.53 min Scan# 1550

Delta R.T. 0.00 min

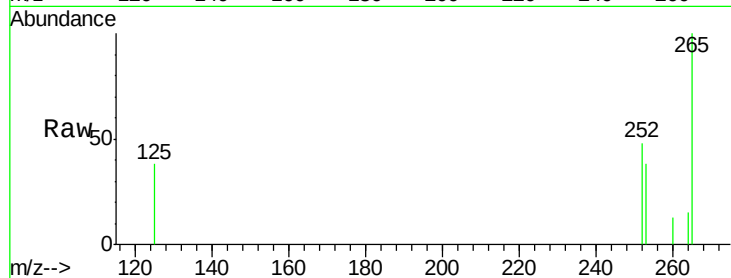
Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

Instrument :

BNA_M

ClientSampleId :



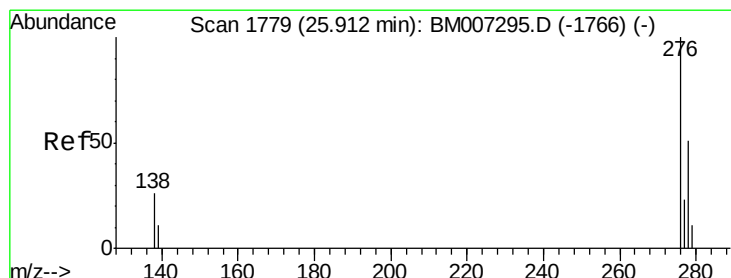
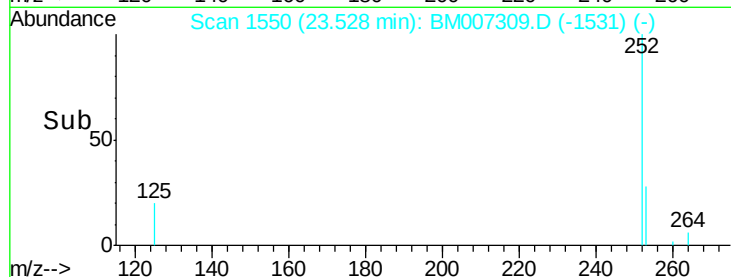
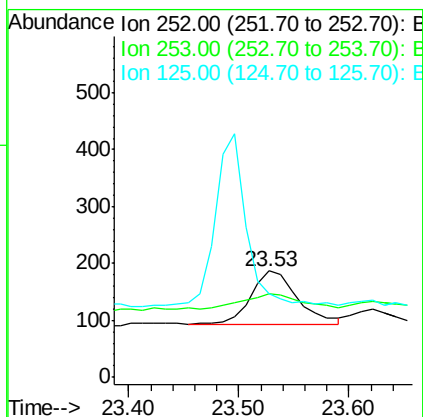
Tgt Ion: 252 Resp: 280

Ion Ratio Lower Upper

252 100

253 78.6 19.4 29.2#

125 78.1 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.95 min Scan# 1782

Delta R.T. 0.03 min

Lab File: BM007309.D

Acq: 27 Aug 2016 01:05

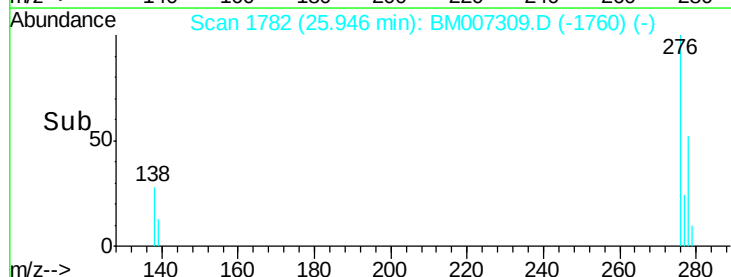
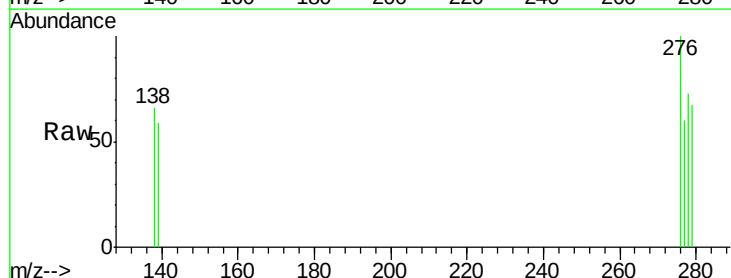
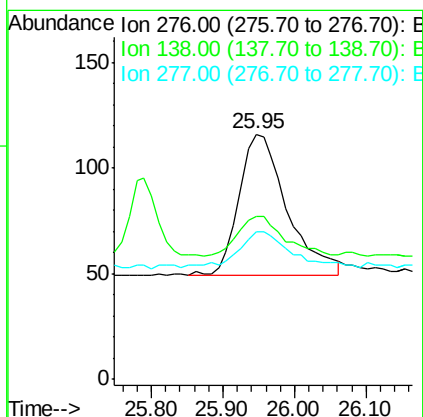
Tgt Ion: 276 Resp: 315

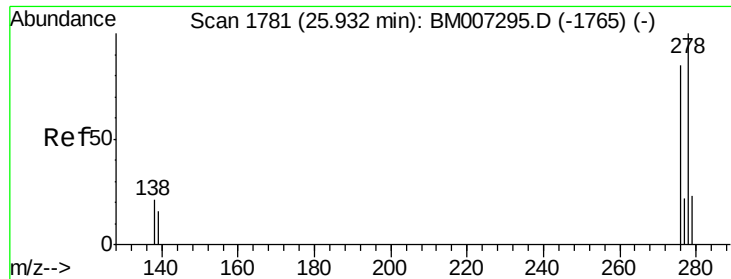
Ion Ratio Lower Upper

276 100

138 27.9 16.3 24.5#

277 25.7 19.8 29.8

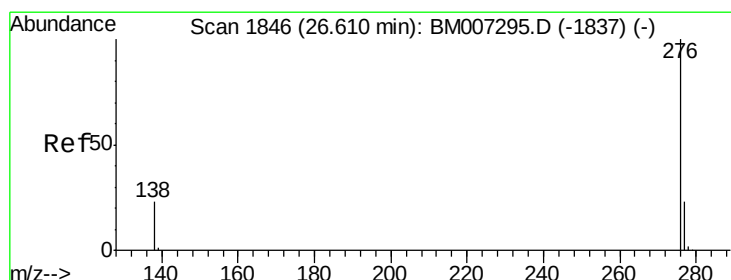
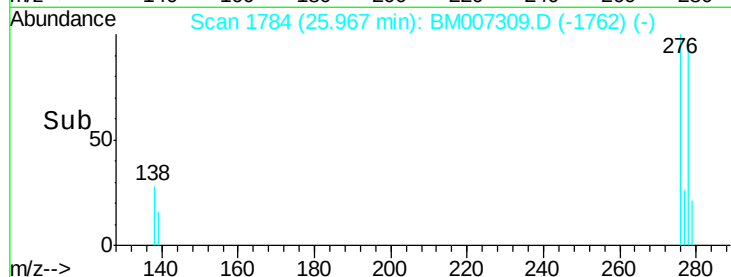
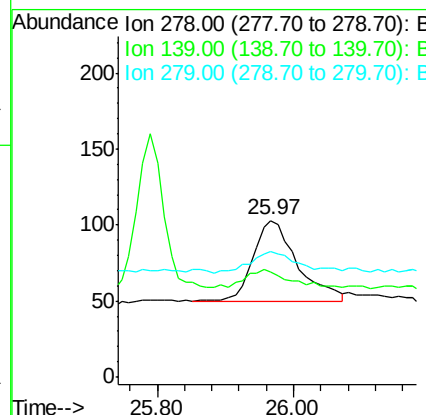
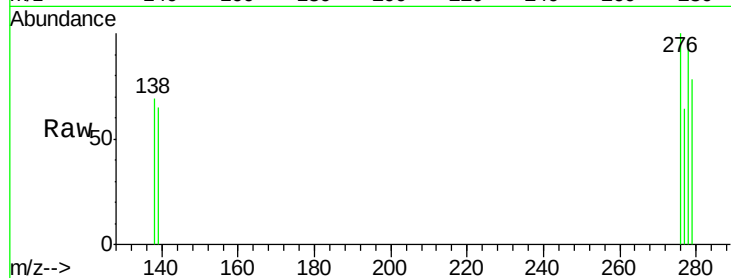




#25
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.97 min Scan# 1784
Delta R.T. 0.03 min
Lab File: BM007309.D
Acq: 27 Aug 2016 01:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 240
Ion Ratio Lower Upper
278 100
139 67.0 16.4 24.6#
279 80.6 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.63 min Scan# 1848
Delta R.T. 0.02 min
Lab File: BM007309.D
Acq: 27 Aug 2016 01:05

Tgt Ion: 276 Resp: 291
Ion Ratio Lower Upper
276 100
277 60.5 18.9 28.3#
138 67.5 22.5 33.7#

