

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007307.D
 Acq On : 26 Aug 2016 23:53
 Operator : UM/SJ
 Sample : MDL-02-W
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:08:45 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	1433	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5369	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3483	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9574	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10556	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	11210	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	2325	0.35	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	8521	0.40	ng/ul	0.00

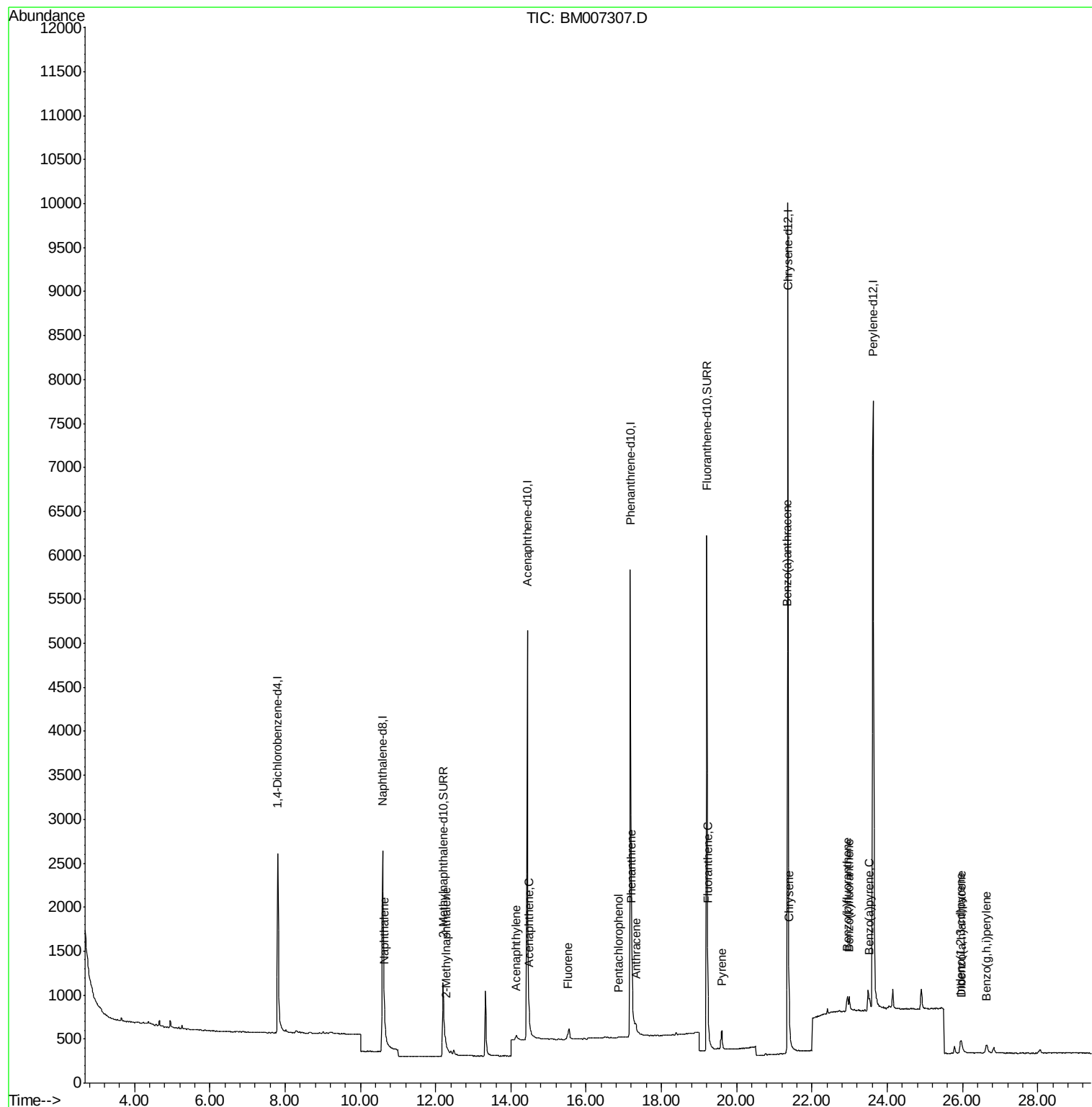
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	93	0.01	ng/ul#	1
5) 2-Methylnaphthalene	12.28	142	53	0.01	ng/ul#	79
7) Acenaphthylene	14.14	152	87	0.00	ng/ul#	1
8) Acenaphthene	14.49	153	80	0.01	ng/ul#	76
9) Fluorene	15.51	166	89	0.01	ng/ul#	64
11) Pentachlorophenol	16.87	266	13	0.01	ng/ul#	38
12) Phenanthrene	17.21	178	202	0.01	ng/ul#	17
13) Anthracene	17.31	178	141	0.01	ng/ul#	1
15) Fluoranthene	19.23	202	281	0.01	ng/ul#	28
17) Pyrene	19.60	202	258	0.01	ng/ul#	50
18) Benzo(a)anthracene	21.35	228	238	0.01	ng/ul#	56
19) Chrysene	21.39	228	291	0.01	ng/ul#	61
21) Benzo(b)fluoranthene	22.94	252	272	0.01	ng/ul#	1
22) Benzo(k)fluoranthene	22.99	252	260	0.01	ng/ul#	1
23) Benzo(a)pyrene	23.53	252	250	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.95	276	277	0.01	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.97	278	215	0.01	ng/ul#	1
26) Benzo(g,h,i)perylene	26.64	276	250	0.01	ng/ul#	27

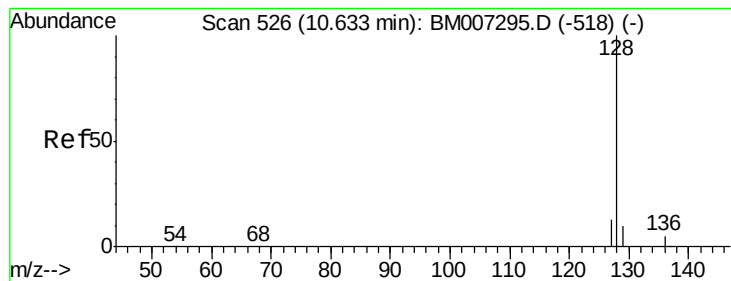
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

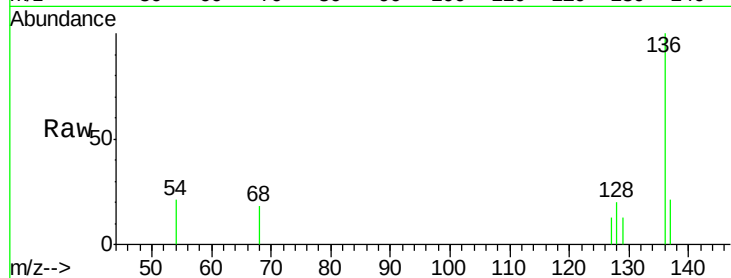
Tgt Ion:128 Resp: 93

Ion Ratio Lower Upper

128 100

129 67.5 9.0 13.6#

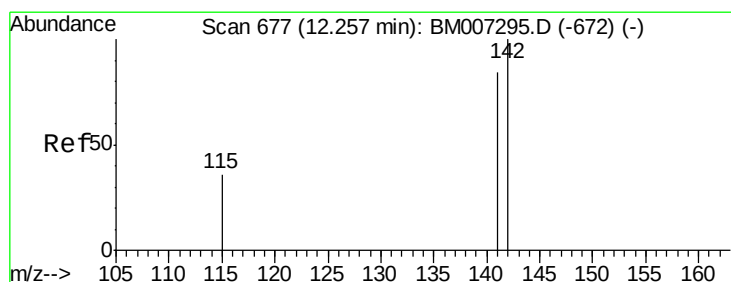
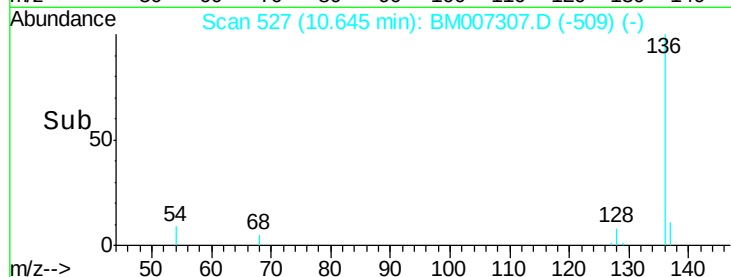
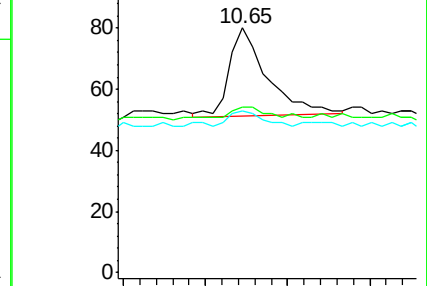
127 66.3 9.6 14.4#



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: 12.28 min Scan# 679

Delta R.T. 0.02 min

Lab File: BM007307.D

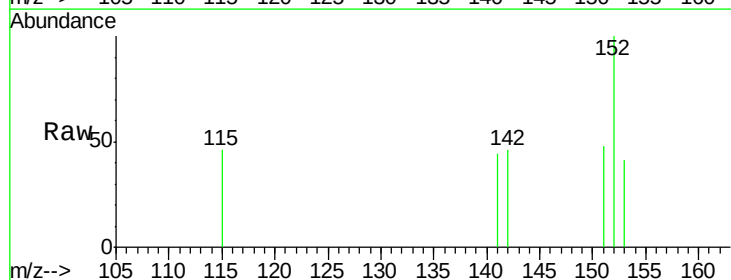
Acq: 26 Aug 2016 23:53

Tgt Ion:142 Resp: 53

Ion Ratio Lower Upper

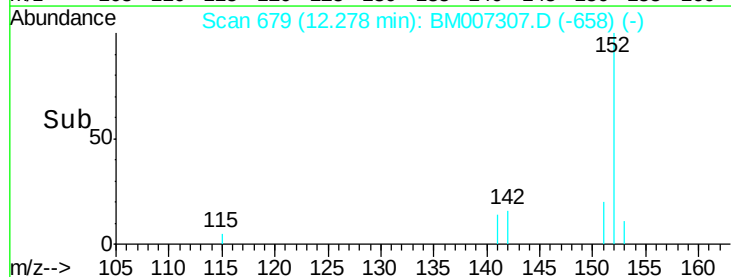
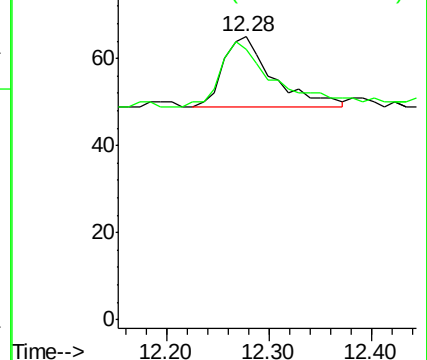
142 100

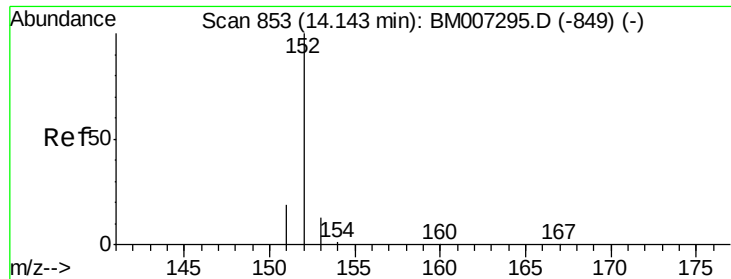
141 107.5 70.3 105.5#



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: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

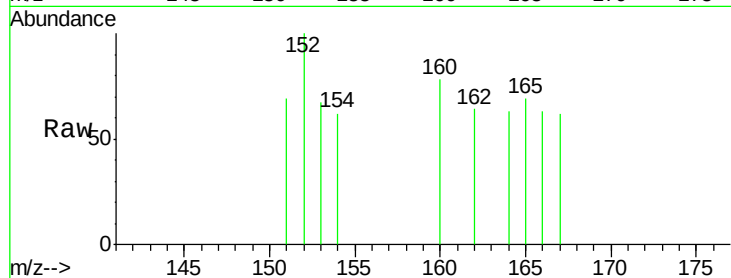
Tgt Ion:152 Resp: 87

Ion Ratio Lower Upper

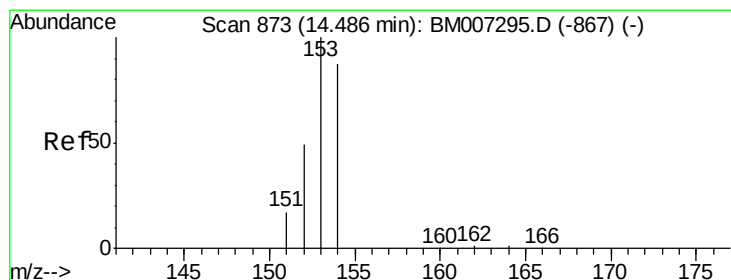
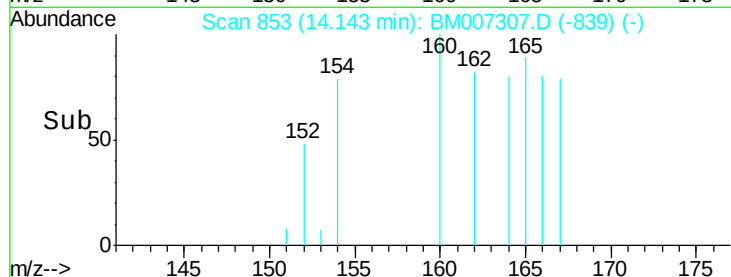
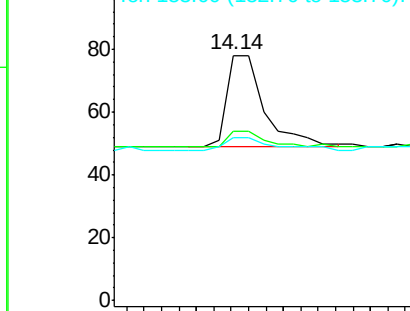
152 100

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: BM007307.D

Acq: 26 Aug 2016 23:53

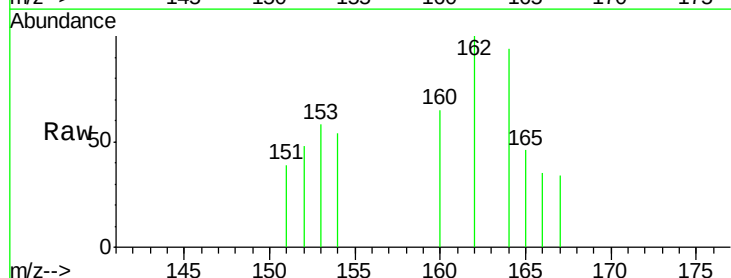
Tgt Ion:153 Resp: 80

Ion Ratio Lower Upper

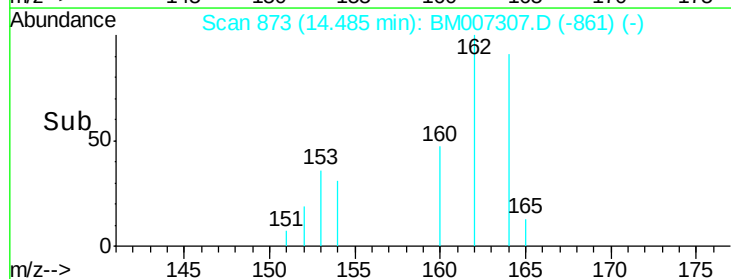
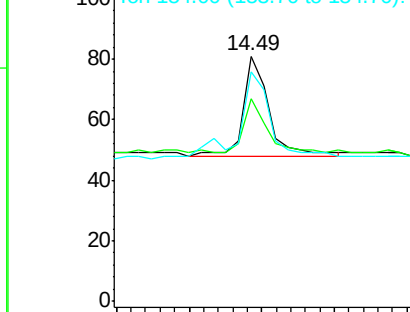
153 100

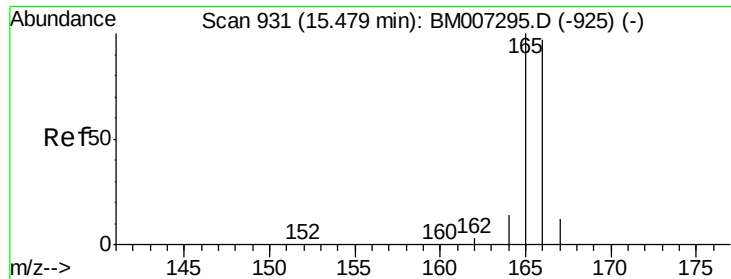
152 82.7 33.9 50.9#

154 93.8 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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

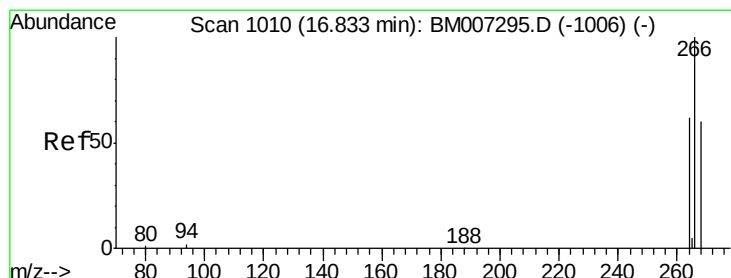
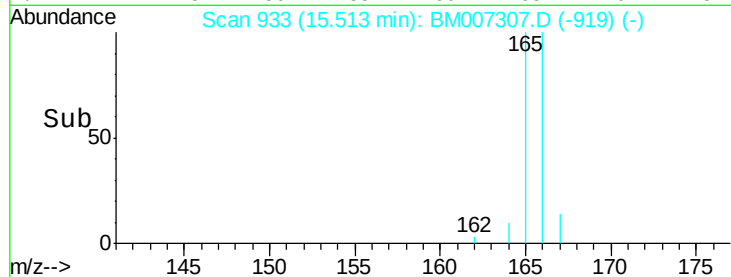
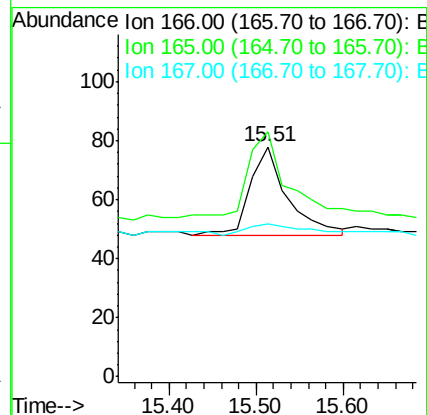
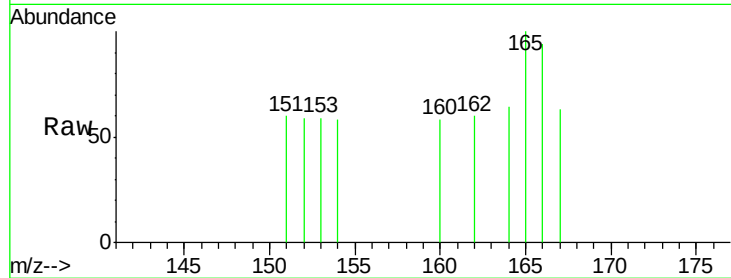
Tgt Ion:166 Resp: 89

Ion Ratio Lower Upper

166 100

165 106.4 69.6 104.4#

167 66.7 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: BM007307.D

Acq: 26 Aug 2016 23:53

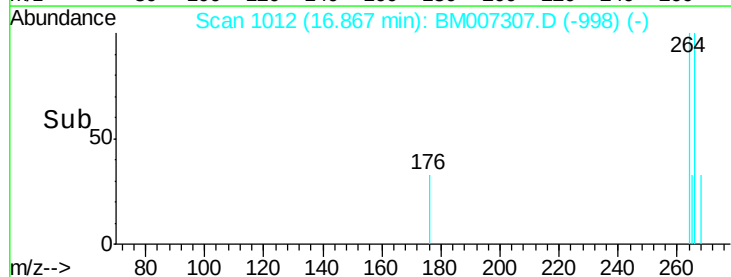
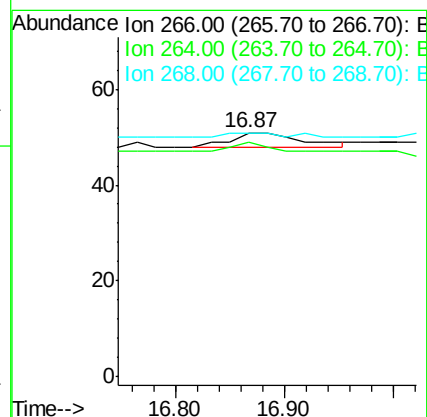
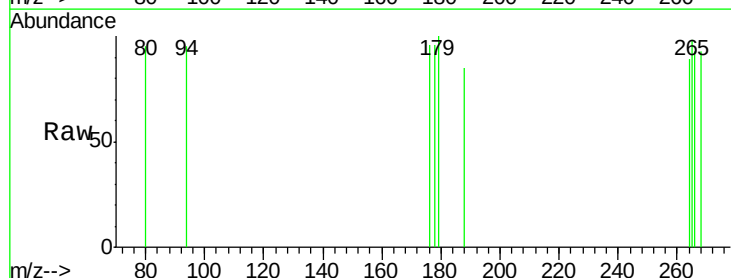
Tgt Ion:266 Resp: 13

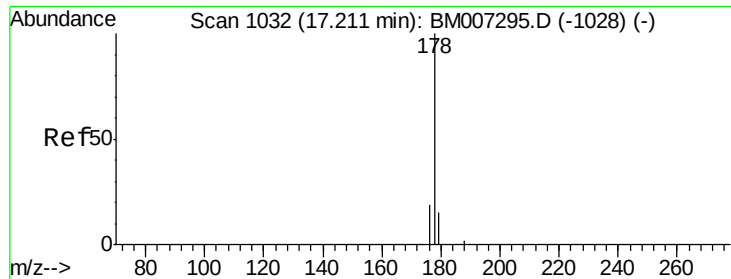
Ion Ratio Lower Upper

266 100

264 130.8 51.8 77.8#

268 30.8 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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

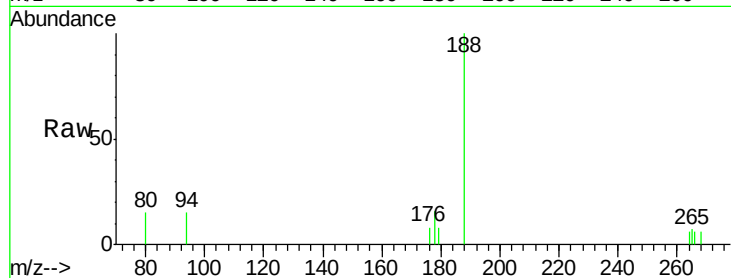
Tgt Ion:178 Resp: 202

Ion Ratio Lower Upper

178 100

176 53.1 13.0 19.4#

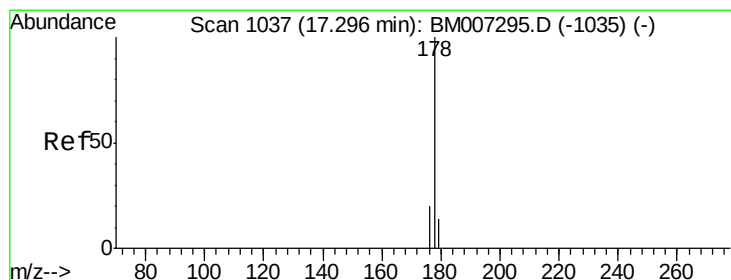
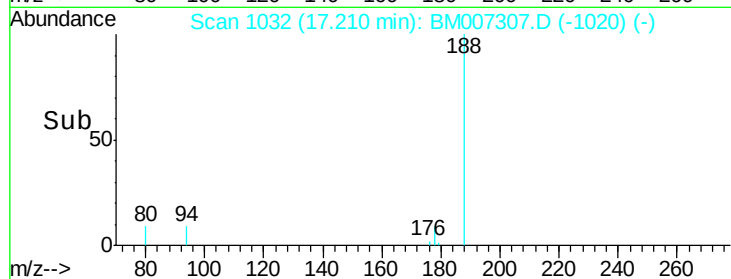
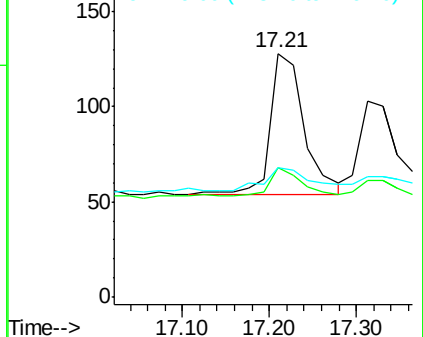
179 53.1 14.2 21.2#



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: BM007307.D

Acq: 26 Aug 2016 23:53

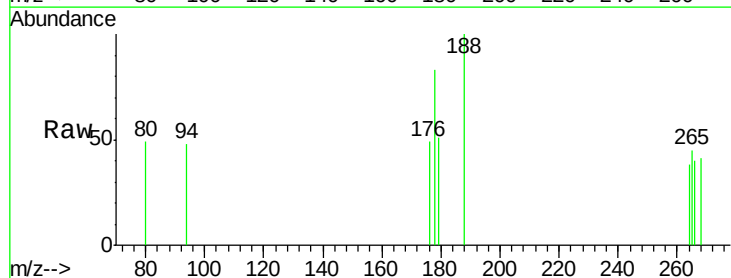
Tgt Ion:178 Resp: 141

Ion Ratio Lower Upper

178 100

176 59.2 14.0 21.0#

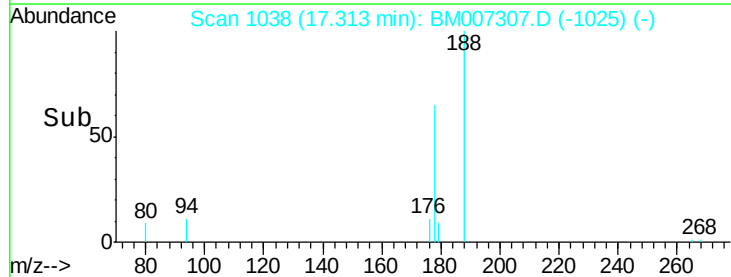
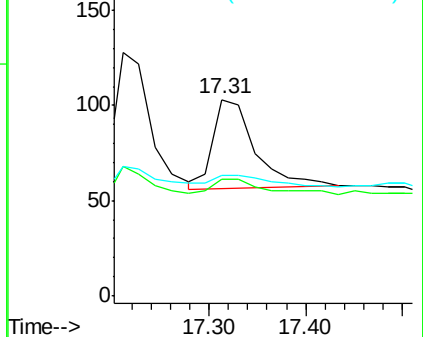
179 61.2 12.9 19.3#

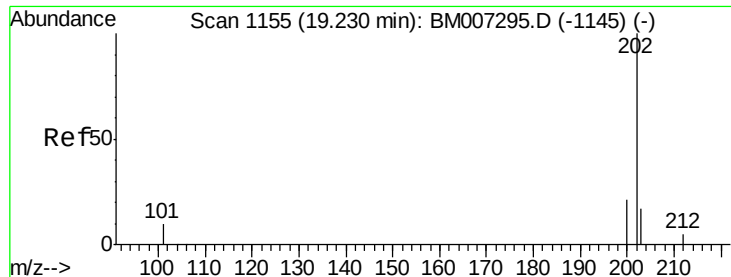


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

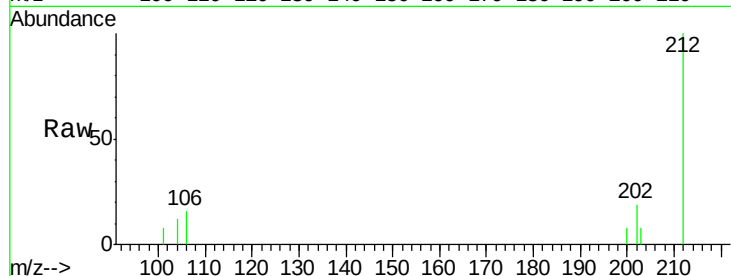
Tgt Ion:202 Resp: 281

Ion Ratio Lower Upper

202 100

101 40.7 0.0 29.6#

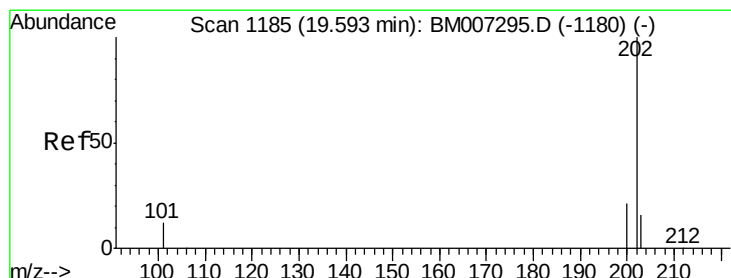
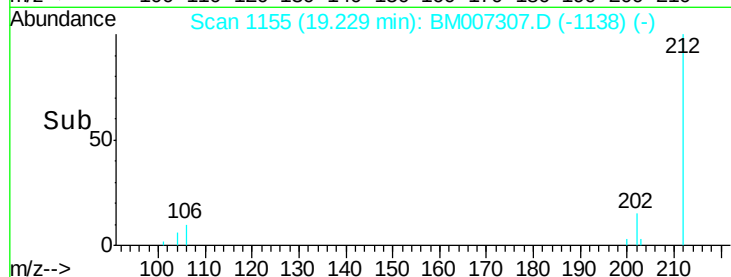
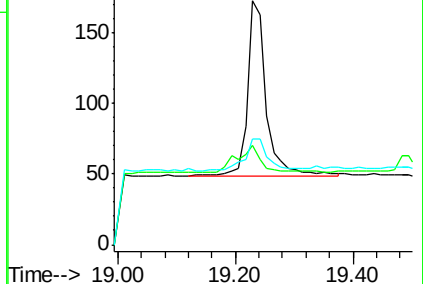
203 43.6 0.0 36.3#



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: BM007307.D

Acq: 26 Aug 2016 23:53

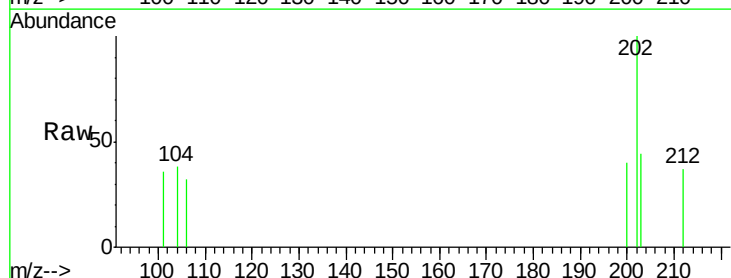
Tgt Ion:202 Resp: 258

Ion Ratio Lower Upper

202 100

200 40.3 17.8 26.8#

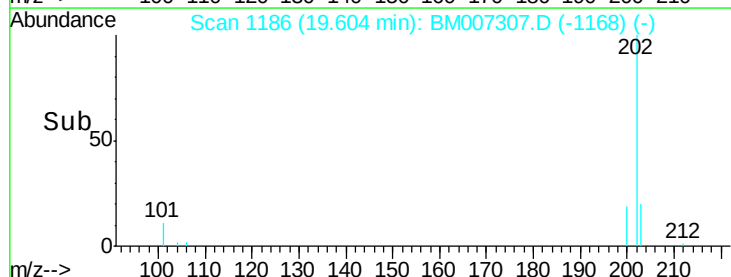
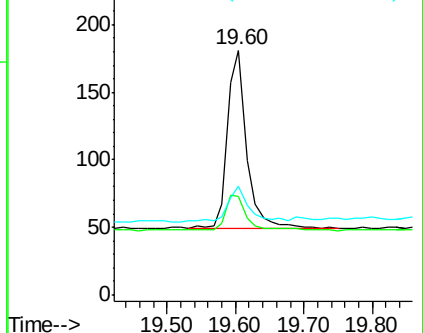
203 44.2 12.8 19.2#

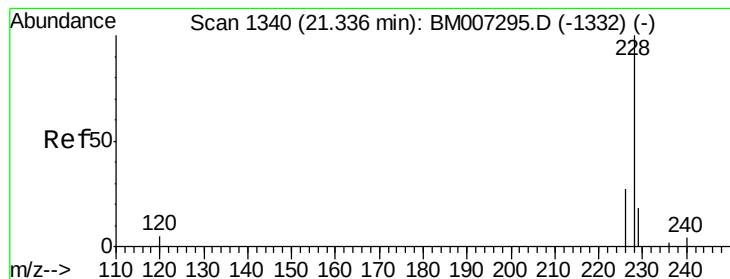


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

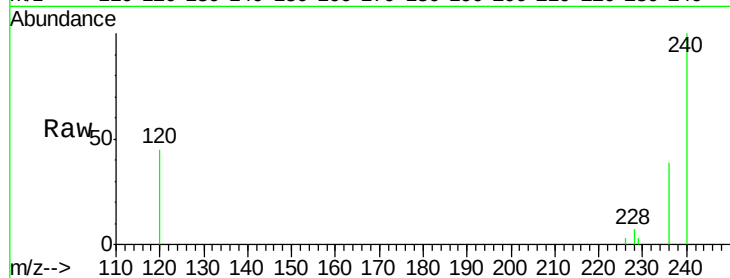
Tgt Ion:228 Resp: 238

Ion Ratio Lower Upper

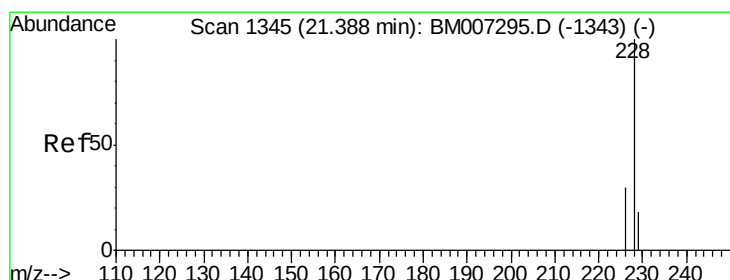
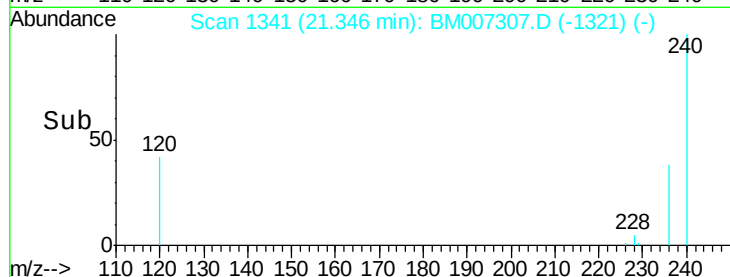
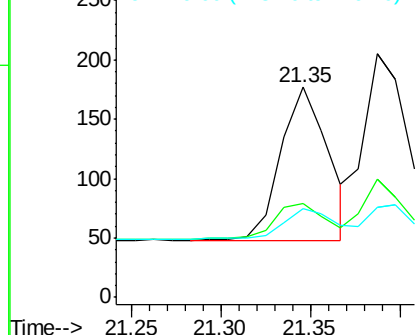
228 100

226 44.6 18.8 28.2#

229 42.4 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: BM007307.D

Acq: 26 Aug 2016 23:53

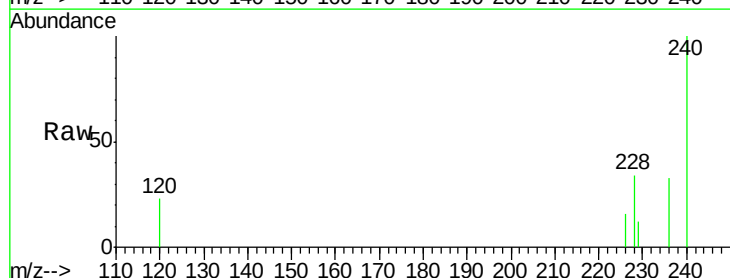
Tgt Ion:228 Resp: 291

Ion Ratio Lower Upper

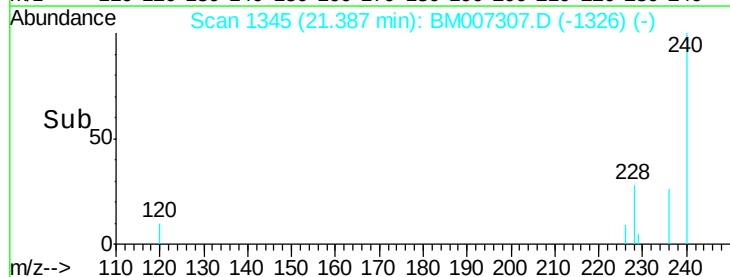
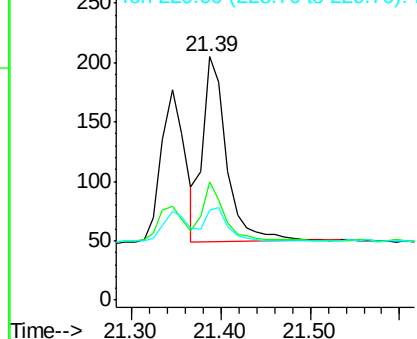
228 100

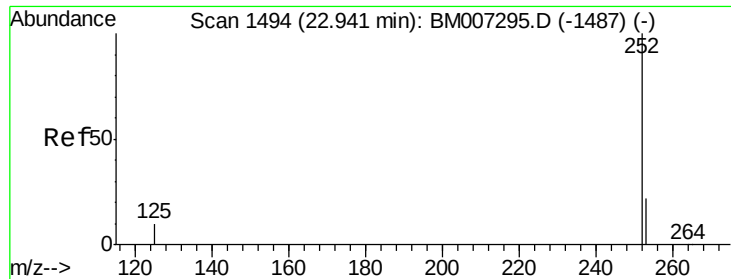
226 48.8 21.2 31.8#

229 37.1 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: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :

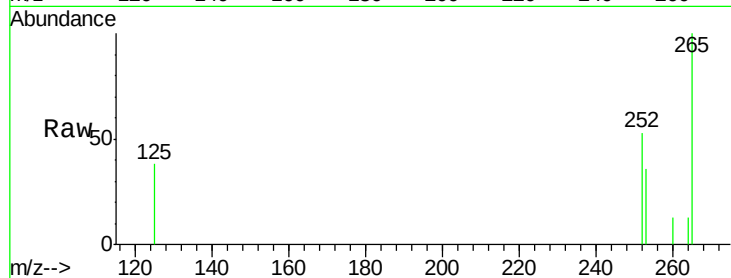
Tgt Ion: 252 Resp: 272

Ion Ratio Lower Upper

252 100

253 68.1 0.0 45.4#

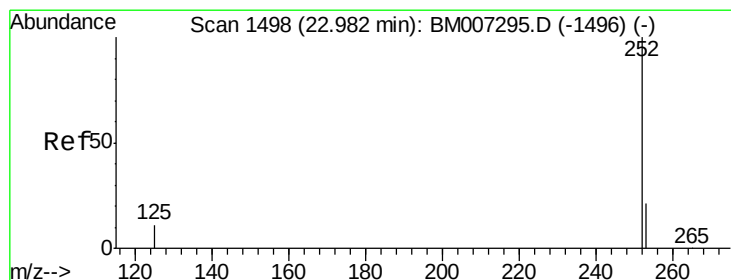
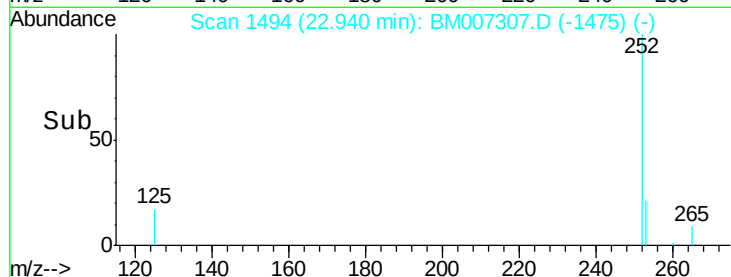
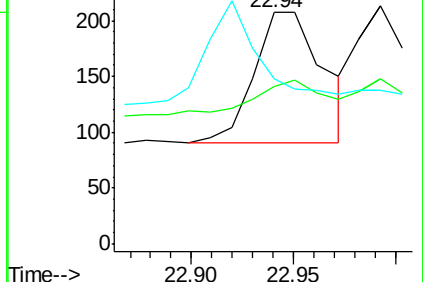
125 71.5 0.0 28.8#



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: BM007307.D

Acq: 26 Aug 2016 23:53

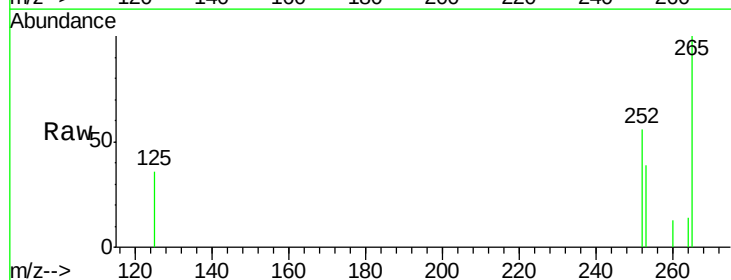
Tgt Ion: 252 Resp: 260

Ion Ratio Lower Upper

252 100

253 69.5 19.8 29.8#

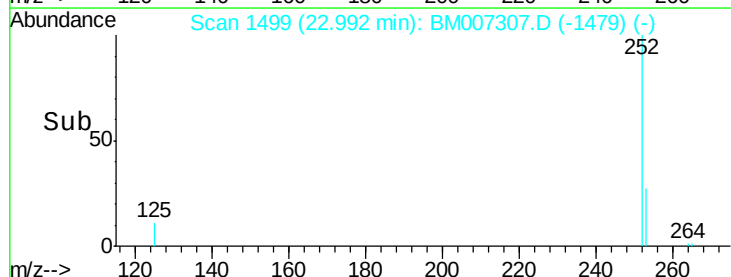
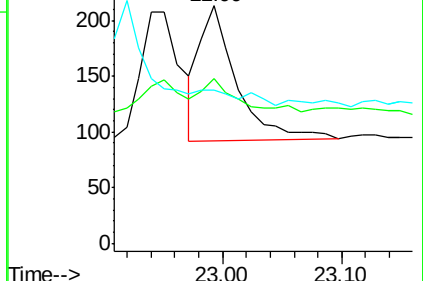
125 64.8 10.4 15.6#

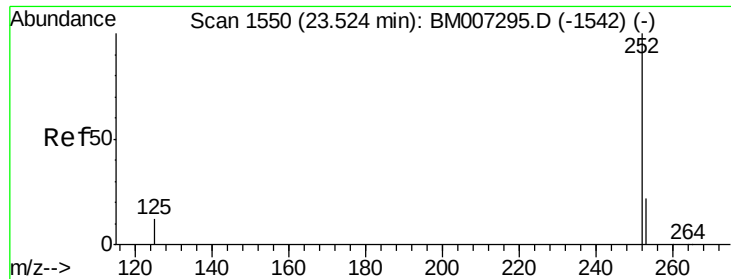


Abundance Ion 252.00 (251.70 to 252.70): E

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

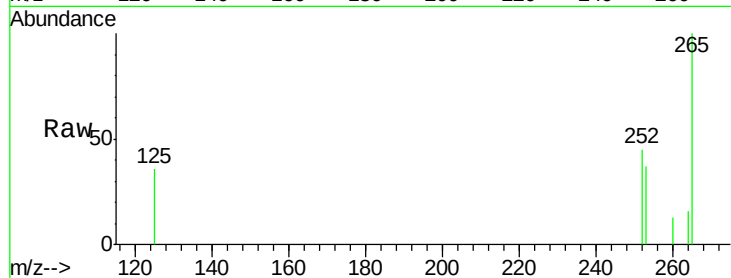
Lab File: BM007307.D

Acq: 26 Aug 2016 23:53

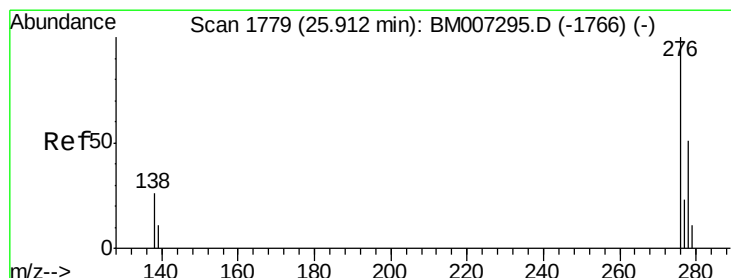
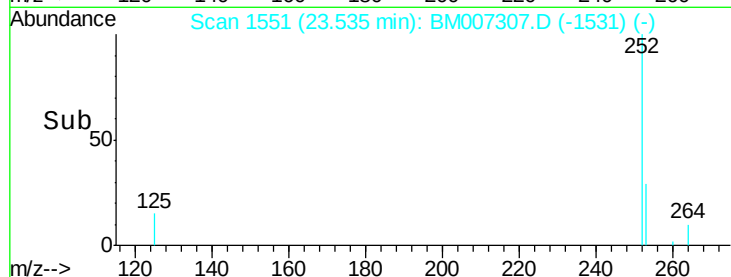
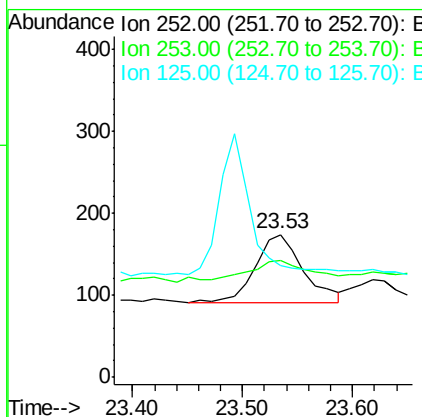
Instrument :

BNA_M

ClientSampled :



Tgt Ion:	252	Resp:	250
Ion	Ratio	Lower	Upper
252	100		
253	82.2	19.4	29.2#
125	78.7	12.7	19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

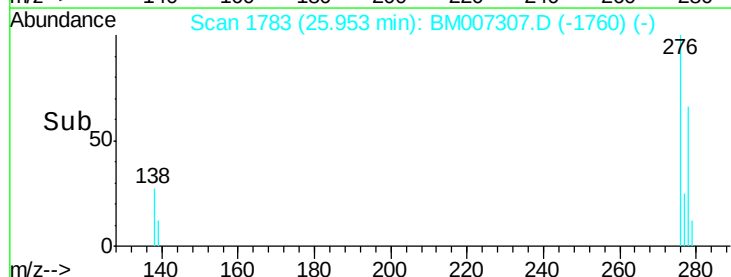
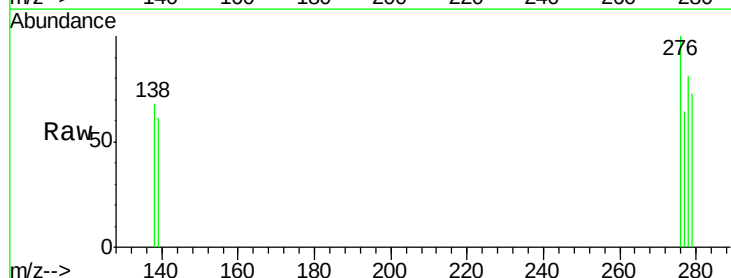
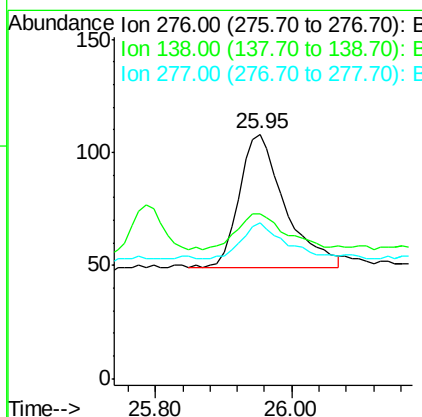
RT: 25.95 min Scan# 1783

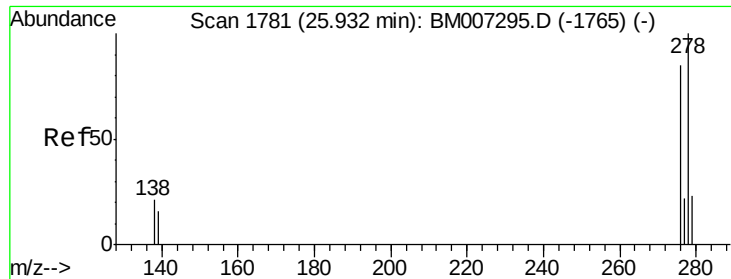
Delta R.T. 0.04 min

Lab File: BM007307.D

Acq: 26 Aug 2016 23:53

Tgt Ion:	276	Resp:	277
Ion	Ratio	Lower	Upper
276	100		
138	28.9	16.3	24.5#
277	25.3	19.8	29.8





#25

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.97 min Scan# 1785

Delta R.T. 0.04 min

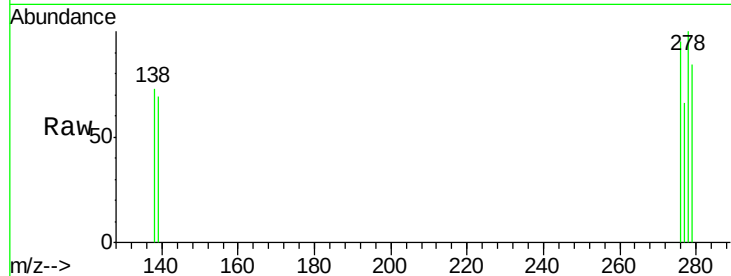
Lab File: BM007307.D

Acq: 26 Aug 2016 23:53

Instrument :

BNA_M

ClientSampleId :



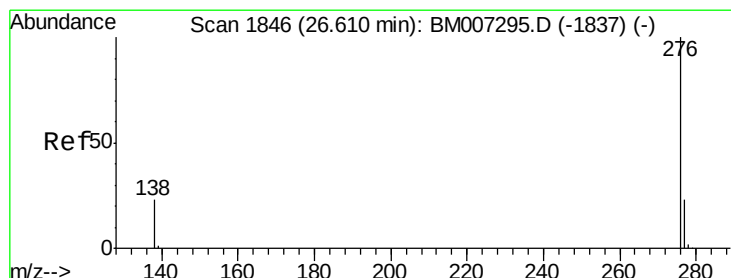
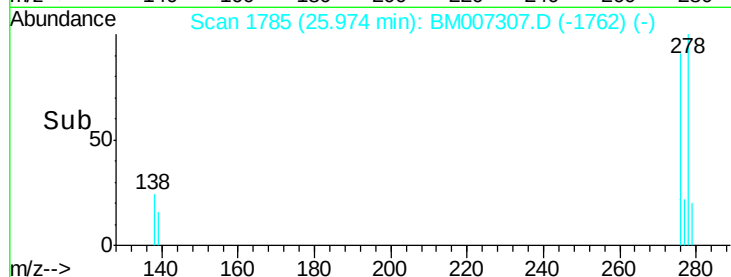
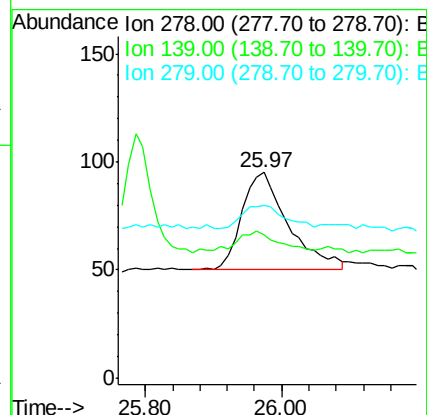
Tgt Ion: 278 Resp: 215

Ion Ratio Lower Upper

278 100

139 69.5 16.4 24.6#

279 84.2 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: BM007307.D

Acq: 26 Aug 2016 23:53

Tgt Ion: 276 Resp: 250

Ion Ratio Lower Upper

276 100

277 61.5 18.9 28.3#

138 65.1 22.5 33.7#

