

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007301.D
 Acq On : 26 Aug 2016 19:05
 Operator : UM/SJ
 Sample : MDL-06-S
 Misc : MDL 0.07
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Quant Time: Aug 26 23:47:58 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	1064	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	3908	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	2404	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	6768	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	7323	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	7424	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.19	152	1743	0.36	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	5917	0.39	ng/ul	0.00

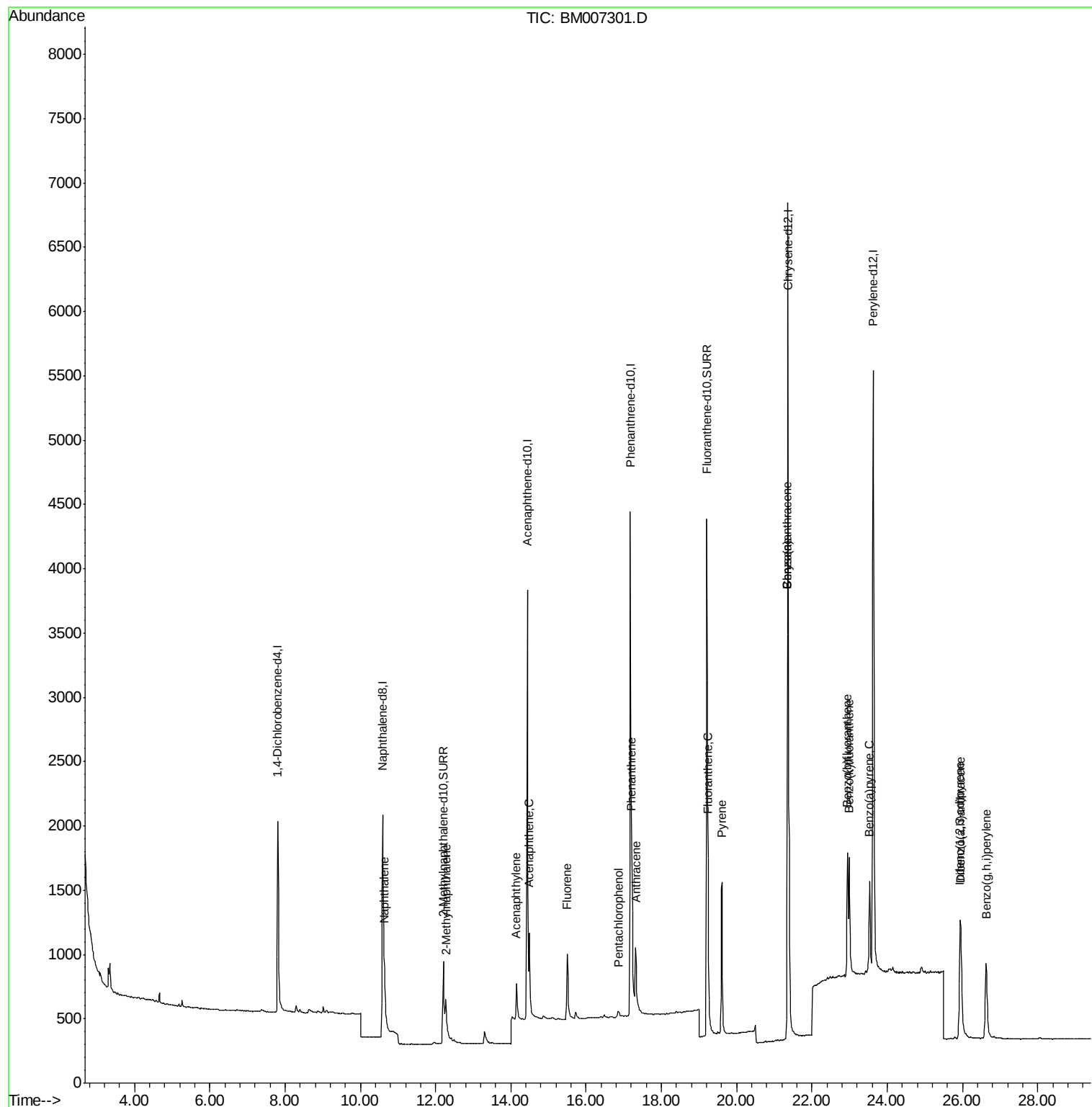
Target Compounds						Qvalue
3) Naphthalene	10.65	128	554	0.06	ng/ul#	51
5) 2-Methylnaphthalene	12.27	142	355	0.05	ng/ul	91
7) Acenaphthylene	14.14	152	587	0.05	ng/ul#	65
8) Acenaphthene	14.49	153	462	0.06	ng/ul#	78
9) Fluorene	15.50	166	551	0.06	ng/ul#	80
11) Pentachlorophenol	16.85	266	72	0.04	ng/ul	95
12) Phenanthrene	17.21	178	1128	0.06	ng/ul#	79
13) Anthracene	17.31	178	874	0.05	ng/ul#	74
15) Fluoranthene	19.24	202	1541	0.07	ng/ul	85
17) Pyrene	19.60	202	1568	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.35	228	1228	0.05	ng/ul#	89
19) Chrysene	21.35	228	1228	0.06	ng/ul	93
21) Benzo(b)fluoranthene	22.94	252	1614	0.06	ng/ul	76
22) Benzo(k)fluoranthene	22.99	252	1416	0.06	ng/ul#	77
23) Benzo(a)pyrene	23.53	252	1429	0.06	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	25.93	276	1598	0.05	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.95	278	1191	0.05	ng/ul#	74
26) Benzo(g,h,i)perylene	26.63	276	1511	0.06	ng/ul#	85

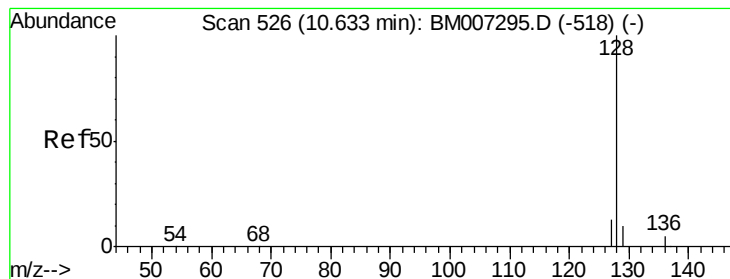
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
Data File : BM007301.D
Acq On : 26 Aug 2016 19:05
Operator : UM/SJ
Sample : MDL-06-S
Misc : MDL 0.07
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Quant Time: Aug 26 23:47:58 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: 0.06 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

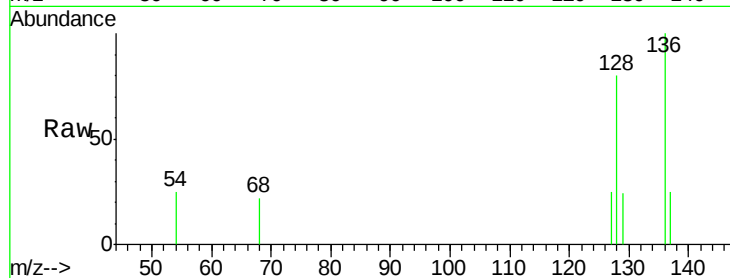
Tgt Ion:128 Resp: 554

Ion Ratio Lower Upper

128 100

129 29.8 9.0 13.6#

127 31.1 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

10.65

250

200

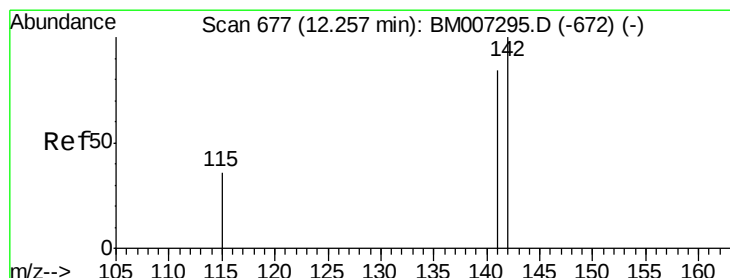
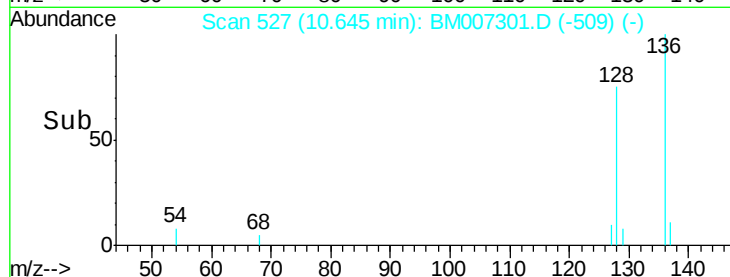
150

100

50

0

Time--> 10.50 10.60 10.70 10.80



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM007301.D

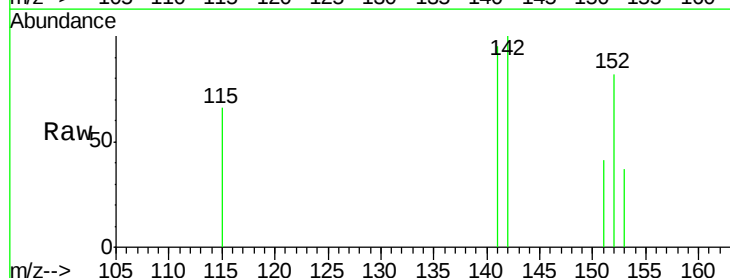
Acq: 26 Aug 2016 19:05

Tgt Ion:142 Resp: 355

Ion Ratio Lower Upper

142 100

141 96.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.27

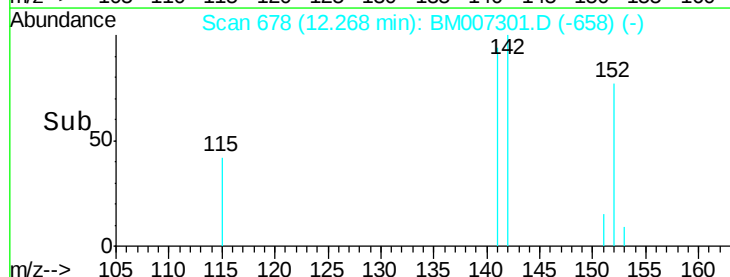
150

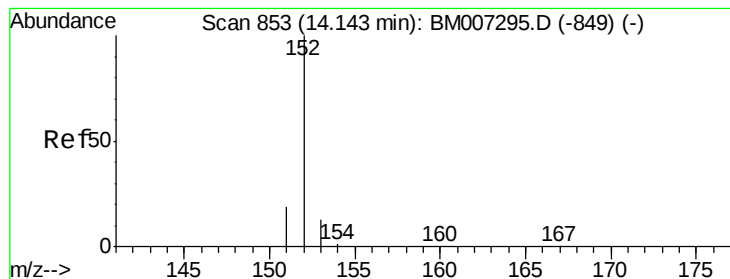
100

50

0

Time--> 12.20 12.30 12.40





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

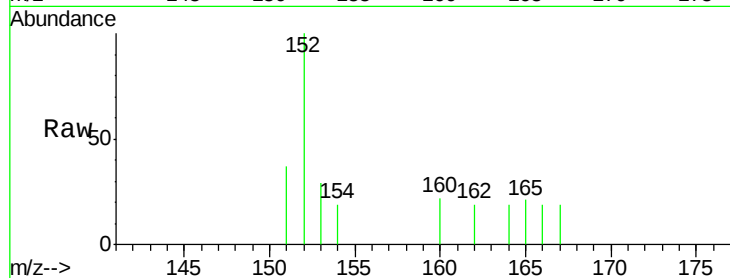
Tgt Ion:152 Resp: 587

Ion Ratio Lower Upper

152 100

151 36.5 17.6 26.4#

153 29.4 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

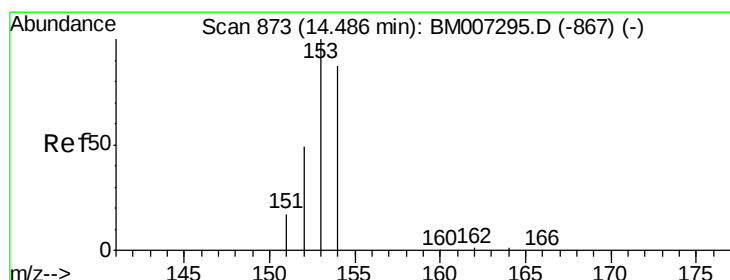
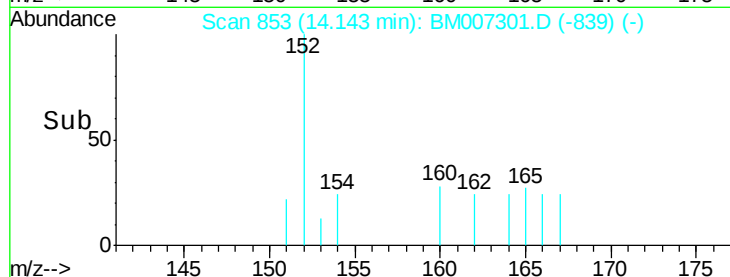
14.14

200

100

0

Time--> 14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

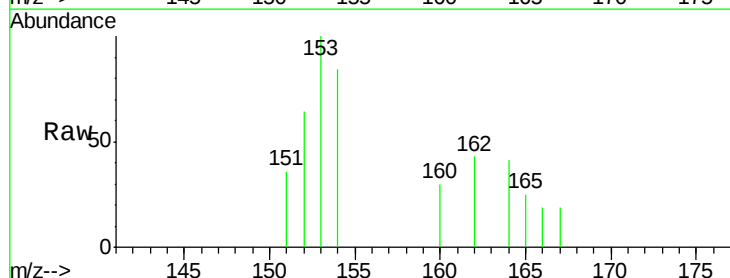
Tgt Ion:153 Resp: 462

Ion Ratio Lower Upper

153 100

152 64.0 33.9 50.9#

154 84.2 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

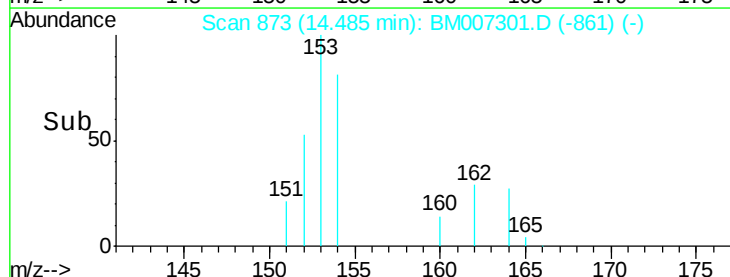
14.49

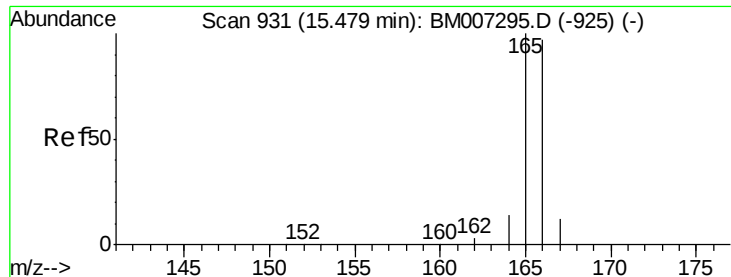
200

100

0

Time--> 14.40 14.50 14.60





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

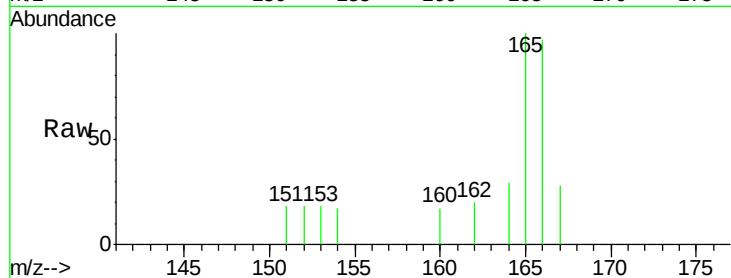
Tgt Ion:166 Resp: 551

Ion Ratio Lower Upper

166 100

165 103.4 69.6 104.4

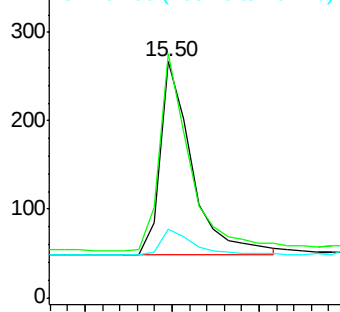
167 28.8 11.9 17.9#



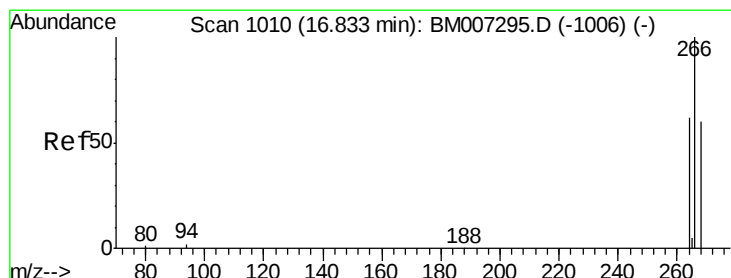
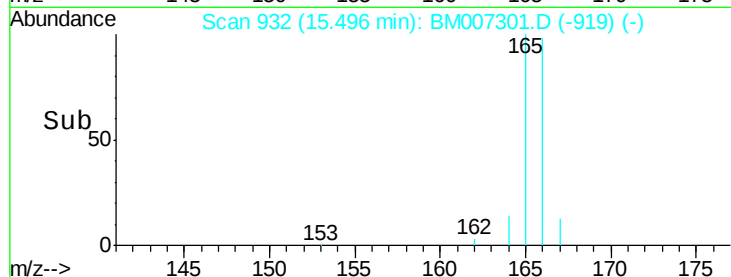
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

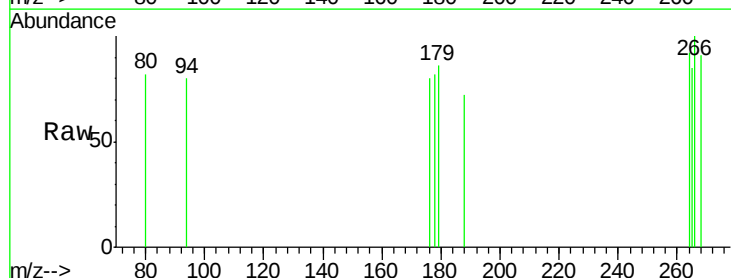
Tgt Ion:266 Resp: 72

Ion Ratio Lower Upper

266 100

264 66.7 51.8 77.8

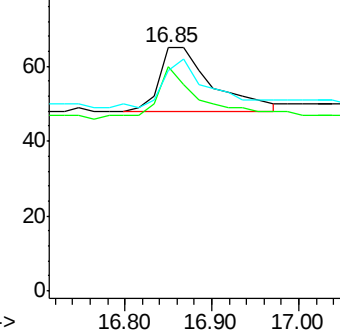
268 63.9 46.8 70.2



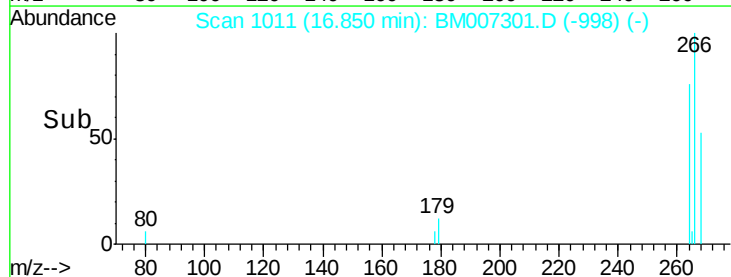
Abundance Ion 266.00 (265.70 to 266.70): E

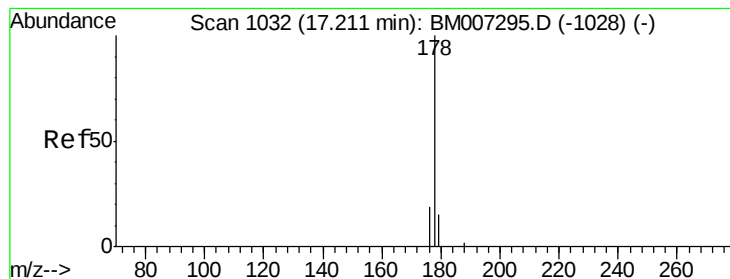
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

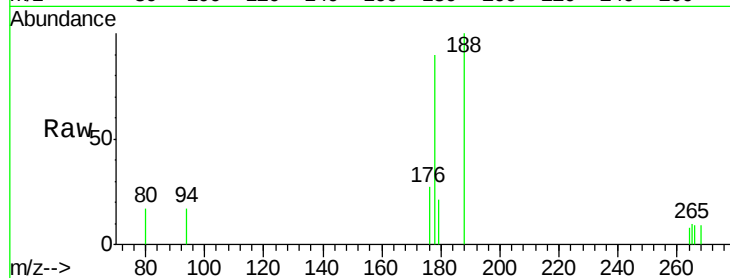
Tgt Ion:178 Resp: 1128

Ion Ratio Lower Upper

178 100

176 29.5 13.0 19.4#

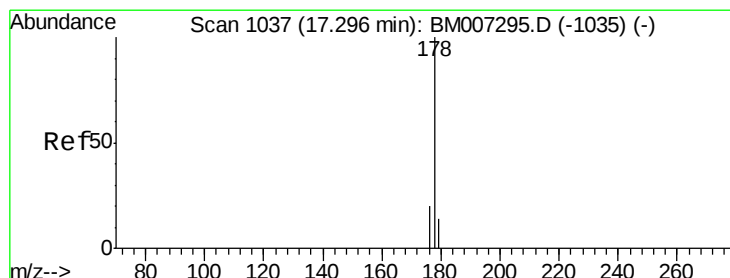
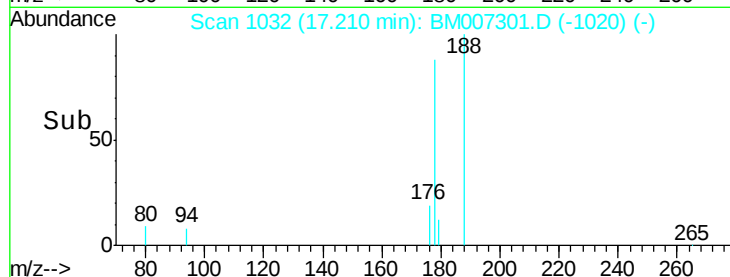
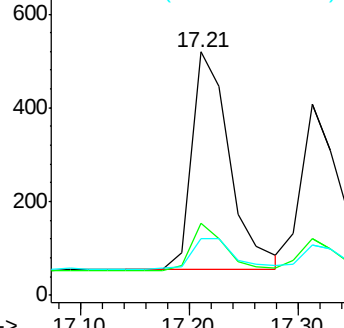
179 23.1 14.2 21.2#



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: 0.05 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

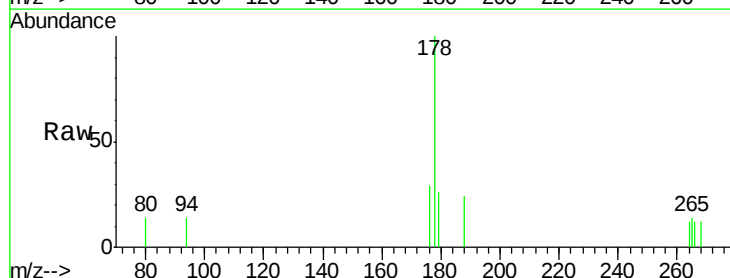
Tgt Ion:178 Resp: 874

Ion Ratio Lower Upper

178 100

176 29.4 14.0 21.0#

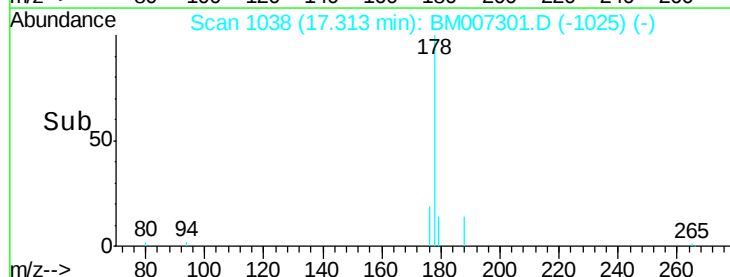
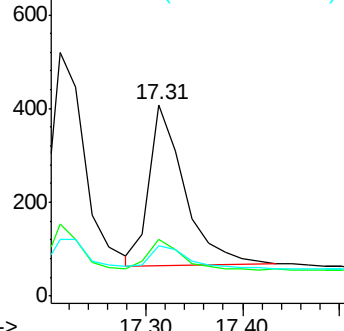
179 26.5 12.9 19.3#

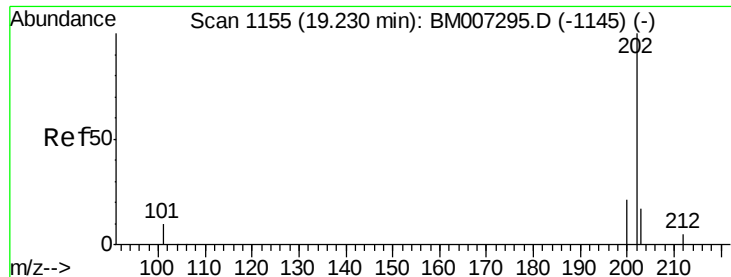


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.24 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

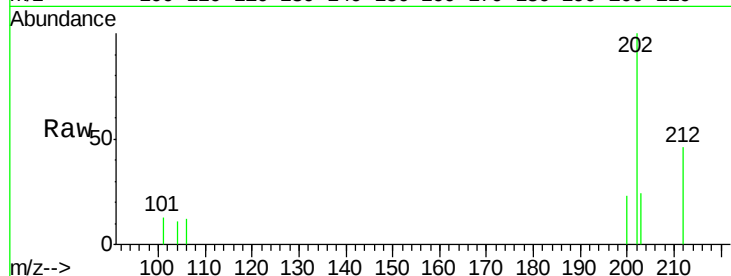
Tgt Ion:202 Resp: 1541

Ion Ratio Lower Upper

202 100

101 13.1 0.0 29.6

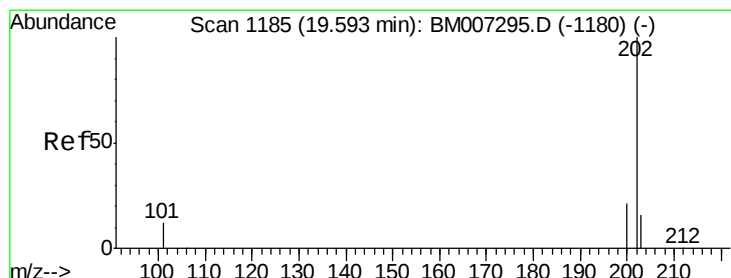
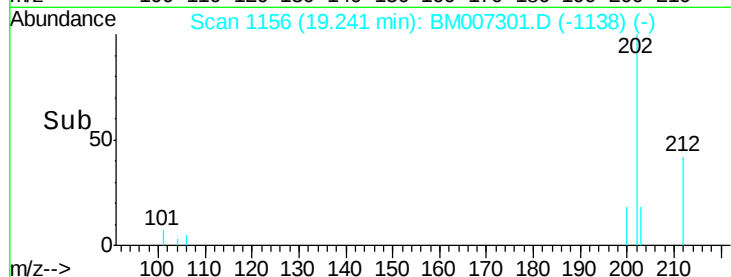
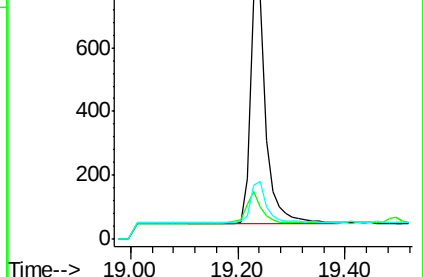
203 23.8 0.0 36.3



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: 0.06 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

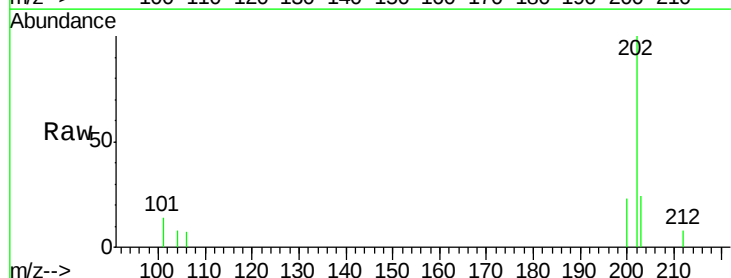
Tgt Ion:202 Resp: 1568

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

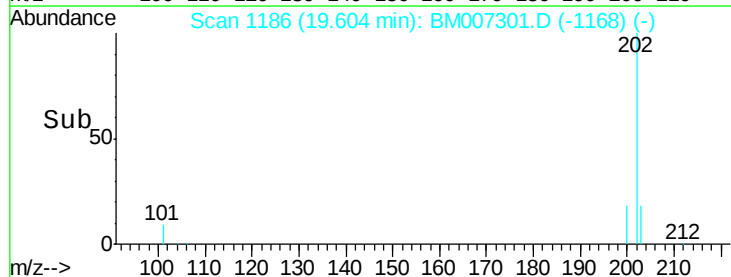
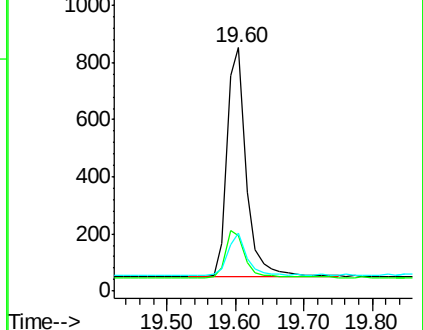
203 23.6 12.8 19.2#

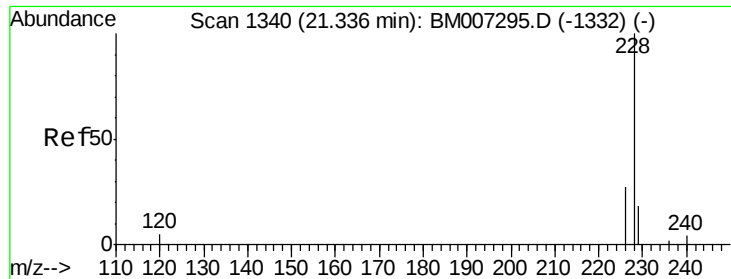


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/u1

RT: 21.35 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

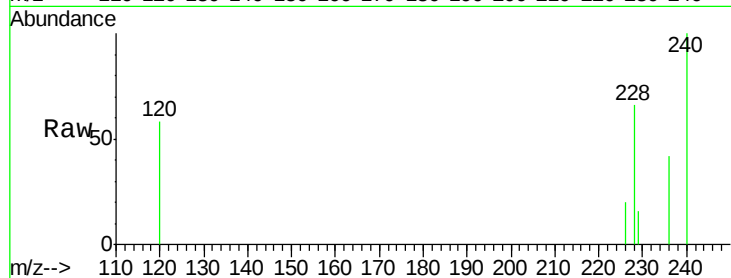
Tgt Ion:228 Resp: 1228

Ion Ratio Lower Upper

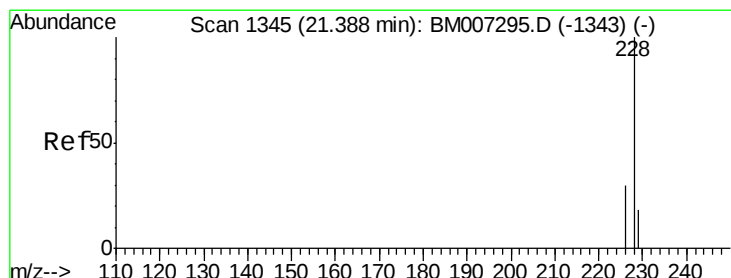
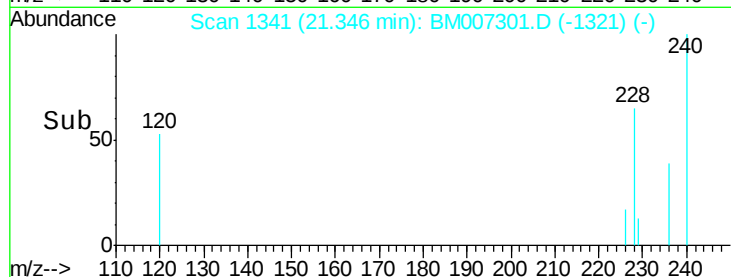
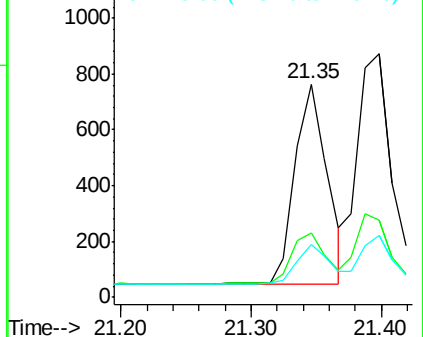
228 100

226 30.5 18.8 28.2#

229 24.6 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



#19

Chrysene

Concen: 0.06 ng/u1

RT: 21.35 min Scan# 1341

Delta R.T. -0.04 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

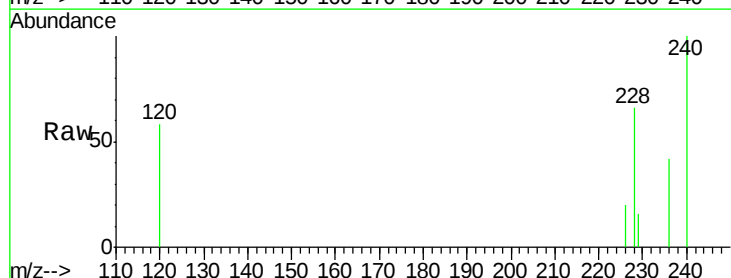
Tgt Ion:228 Resp: 1228

Ion Ratio Lower Upper

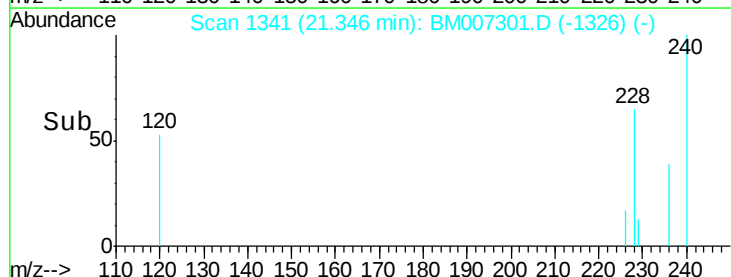
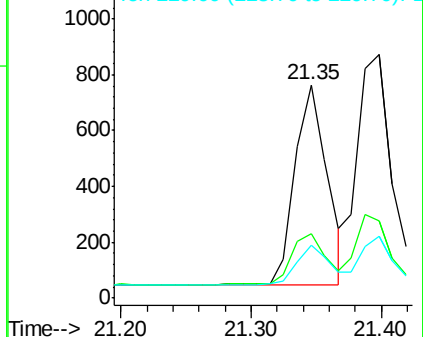
228 100

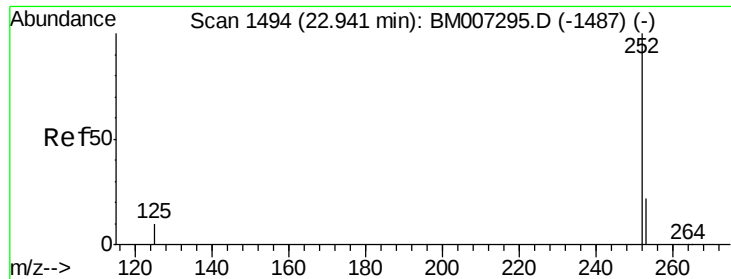
226 30.5 21.2 31.8

229 24.6 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: 0.06 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

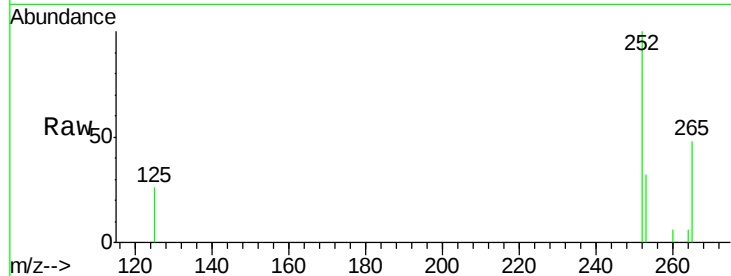
Tgt Ion:252 Resp: 1614

Ion Ratio Lower Upper

252 100

253 32.4 0.0 45.4

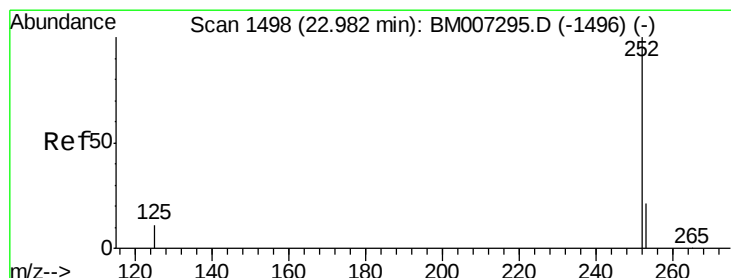
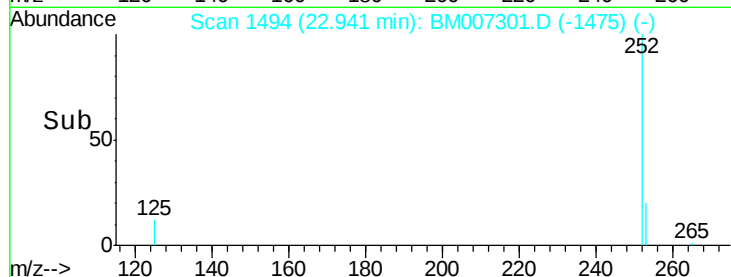
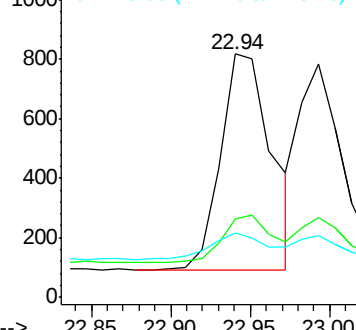
125 26.4 0.0 28.8



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: 0.06 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

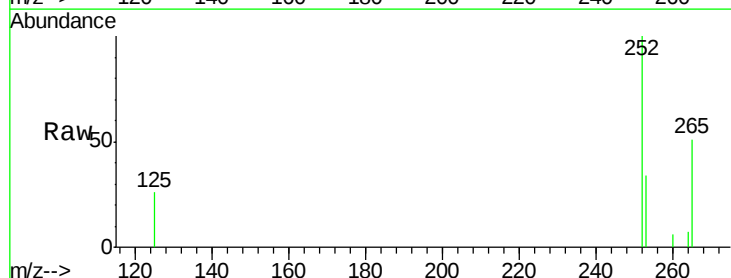
Tgt Ion:252 Resp: 1416

Ion Ratio Lower Upper

252 100

253 33.9 19.8 29.8#

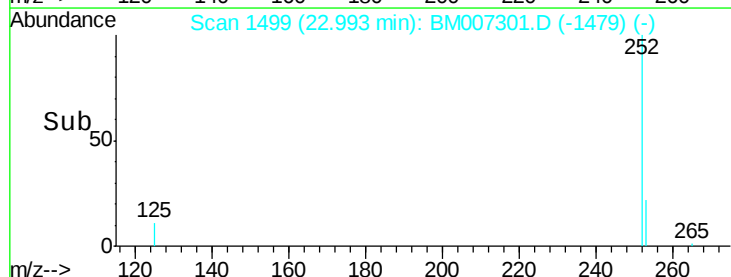
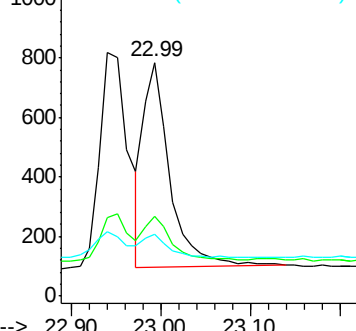
125 26.3 10.4 15.6#

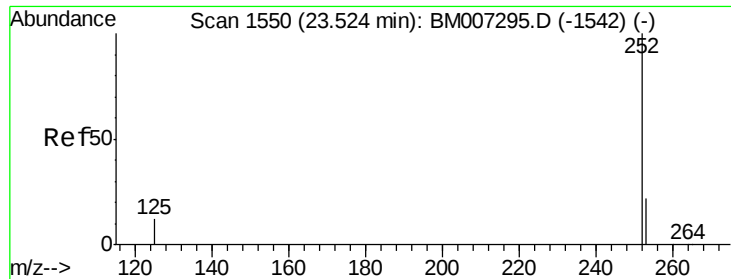


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. 0.01 min

Lab File: BM007301.D

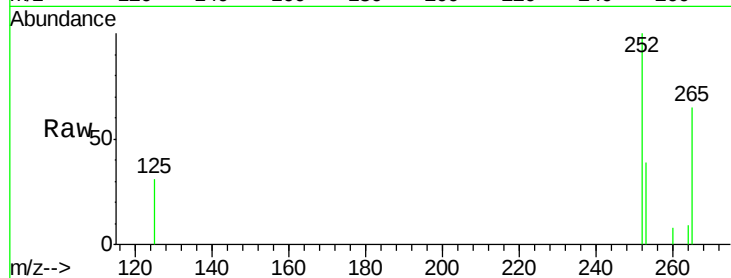
Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S



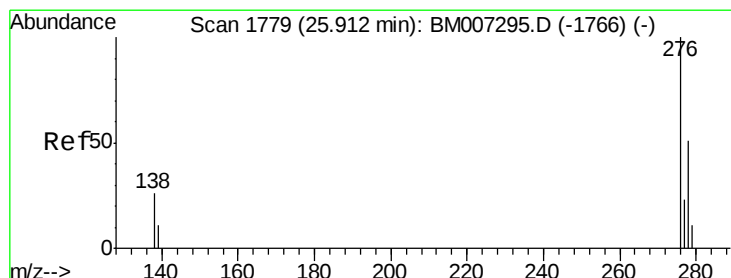
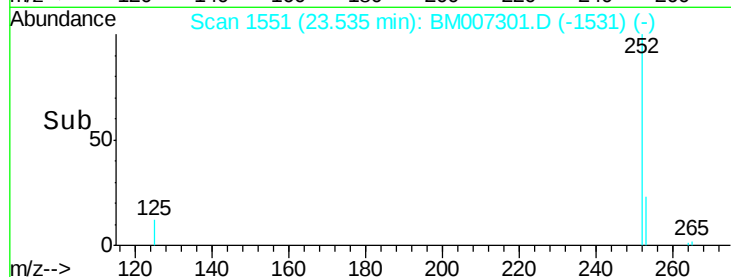
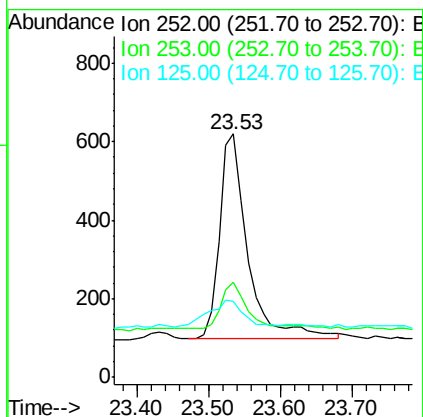
Tgt Ion:252 Resp: 1429

Ion Ratio Lower Upper

252 100

253 38.9 19.4 29.2#

125 31.3 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 25.93 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

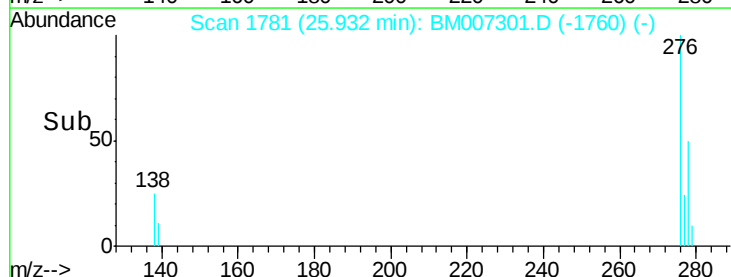
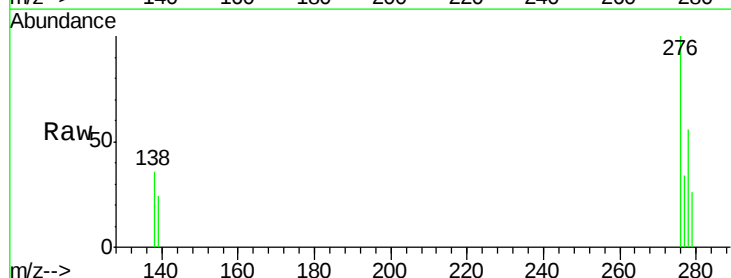
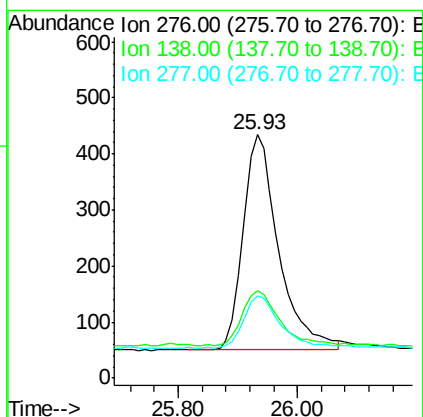
Tgt Ion:276 Resp: 1598

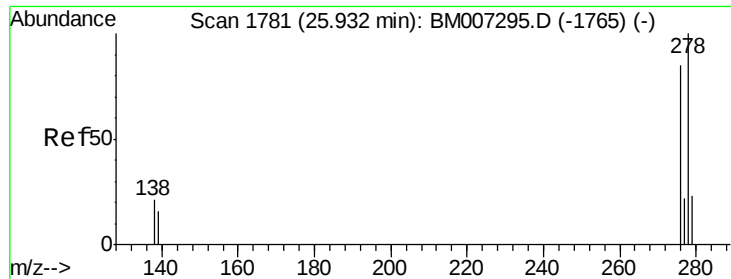
Ion Ratio Lower Upper

276 100

138 27.4 16.3 24.5#

277 24.3 19.8 29.8





#25

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 25.95 min Scan# 1783

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

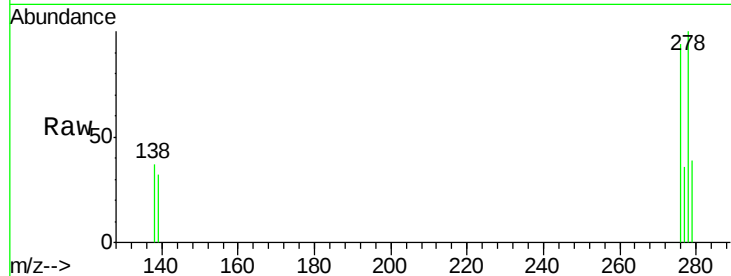
Tgt Ion:278 Resp: 1191

Ion Ratio Lower Upper

278 100

139 32.0 16.4 24.6#

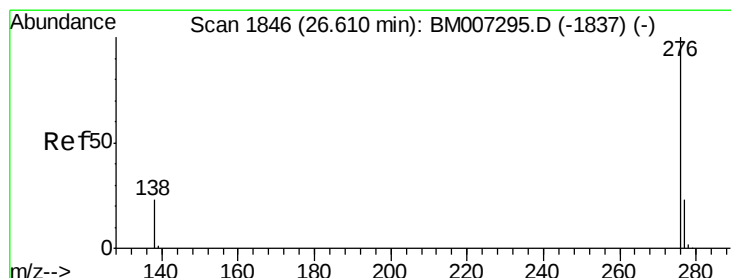
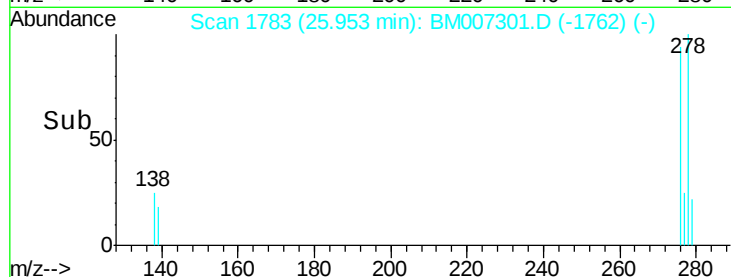
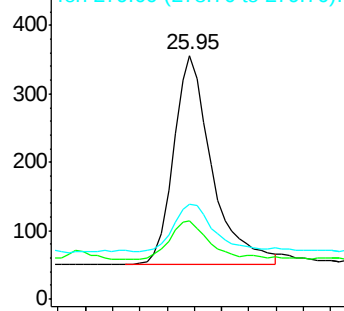
279 39.0 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.63 min Scan# 1848

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

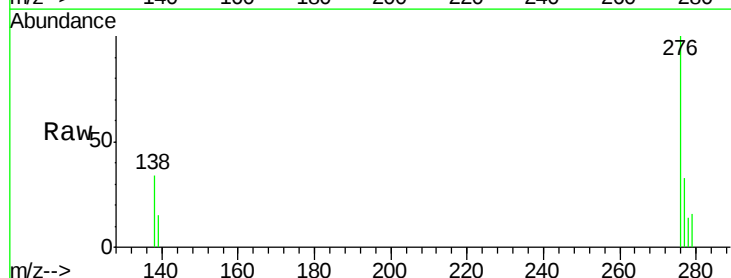
Tgt Ion:276 Resp: 1511

Ion Ratio Lower Upper

276 100

277 32.9 18.9 28.3#

138 34.5 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

