

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007300.D
 Acq On : 26 Aug 2016 18:29
 Operator : UM/SJ
 Sample : MDL-05-S
 Misc : MDL 0.07
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

Quant Time: Aug 26 23:47:47 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	1404	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	5356	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3365	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	9431	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10375	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	10948	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.19	152	1937	0.29	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	6462	0.30	ng/ul	0.00

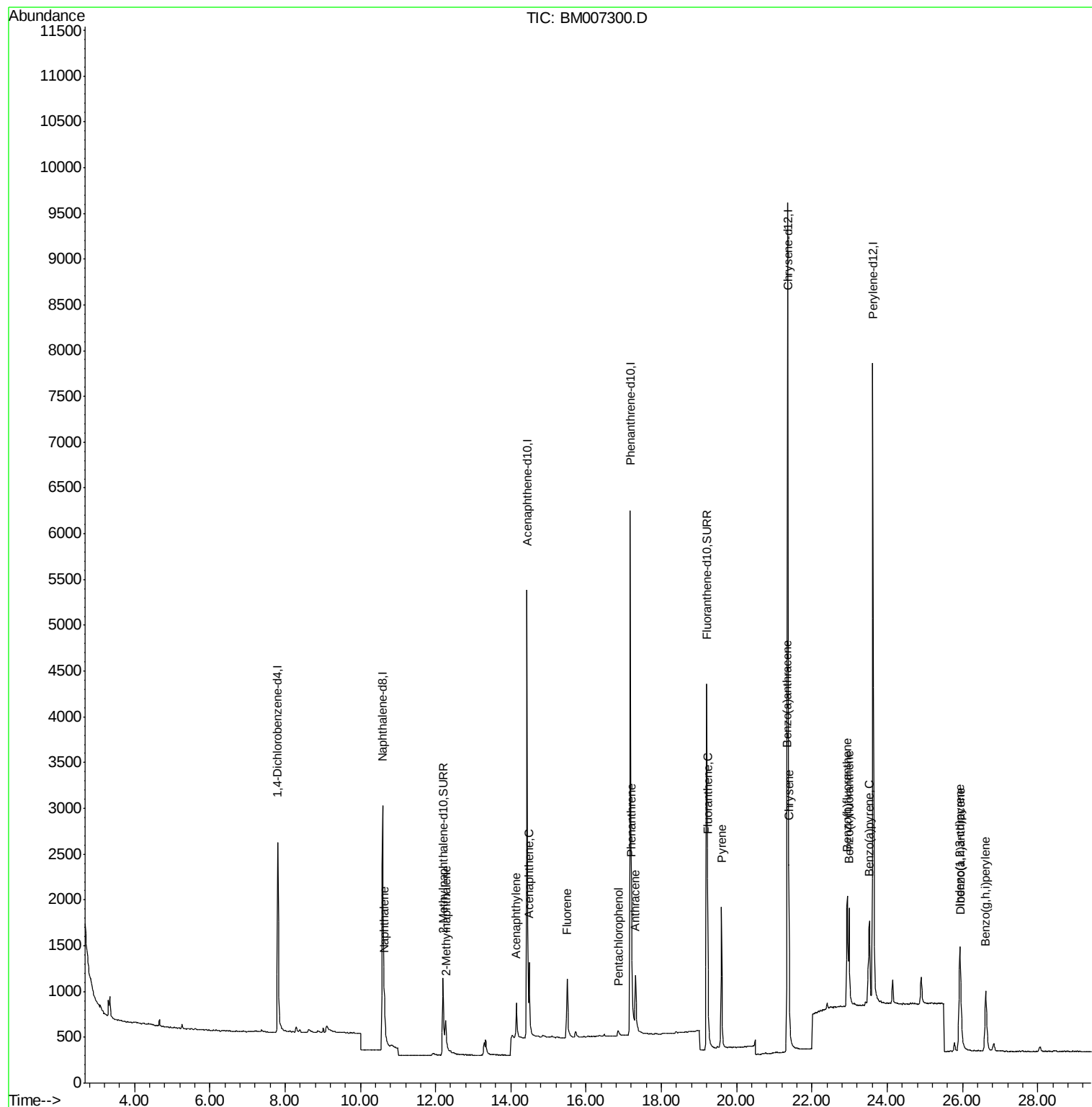
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	608	0.05	ng/ul#	61
5) 2-Methylnaphthalene	12.27	142	411	0.05	ng/ul	100
7) Acenaphthylene	14.14	152	668	0.04	ng/ul#	74
8) Acenaphthene	14.49	153	523	0.04	ng/ul#	79
9) Fluorene	15.50	166	622	0.05	ng/ul#	86
11) Pentachlorophenol	16.85	266	84	0.04	ng/ul	86
12) Phenanthrene	17.21	178	1289	0.05	ng/ul#	84
13) Anthracene	17.31	178	975	0.04	ng/ul#	80
15) Fluoranthene	19.23	202	1689	0.05	ng/ul	87
17) Pyrene	19.60	202	1679	0.05	ng/ul#	92
18) Benzo(a)anthracene	21.34	228	1449	0.04	ng/ul#	90
19) Chrysene	21.39	228	1646	0.05	ng/ul	93
21) Benzo(b)fluoranthene	22.94	252	1843	0.05	ng/ul	79
22) Benzo(k)fluoranthene	22.99	252	1603	0.05	ng/ul#	80
23) Benzo(a)pyrene	23.53	252	1759	0.05	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.93	276	1871	0.04	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.95	278	1430	0.04	ng/ul#	77
26) Benzo(g,h,i)perylene	26.62	276	1657	0.05	ng/ul#	88

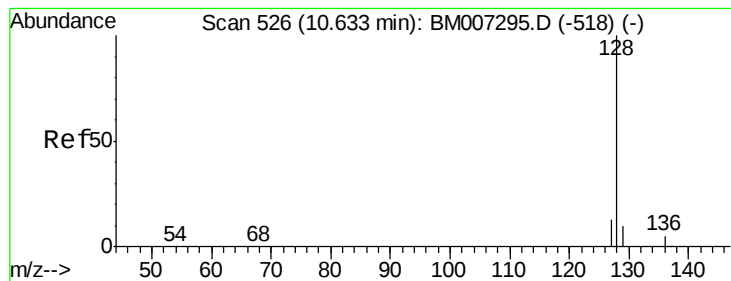
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

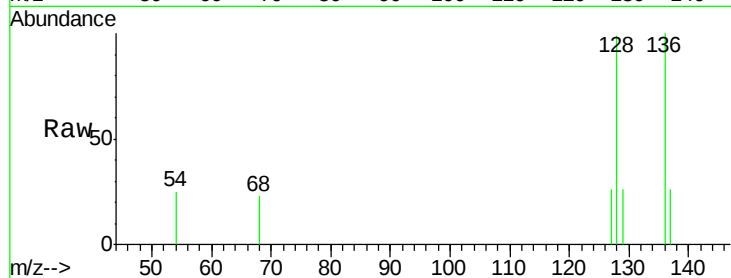
Tgt Ion:128 Resp: 608

Ion Ratio Lower Upper

128 100

129 26.8 9.0 13.6#

127 26.4 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

10.65

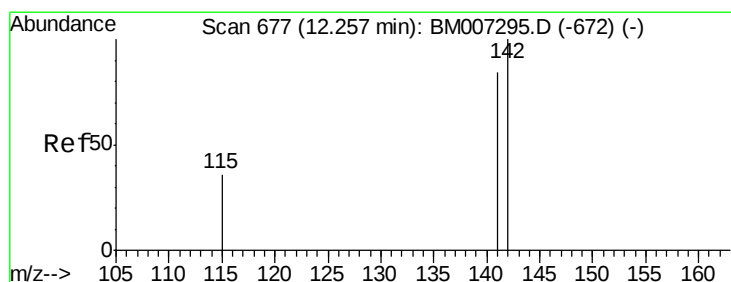
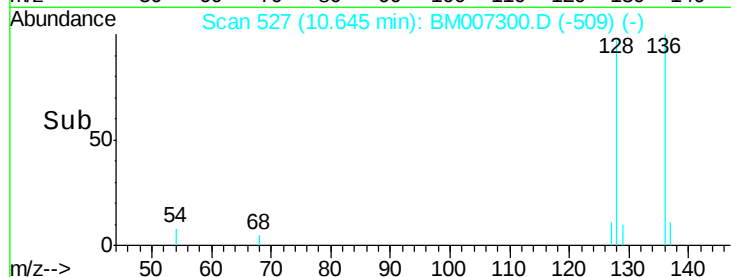
300

200

100

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: BM007300.D

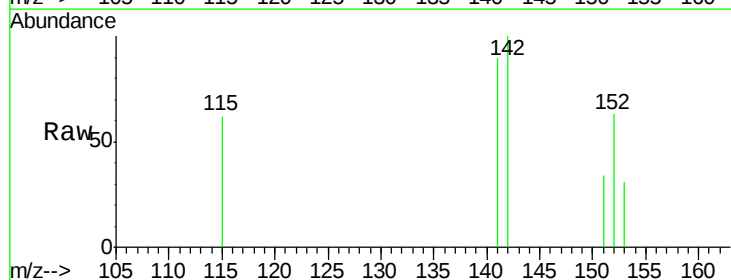
Acq: 26 Aug 2016 18:29

Tgt Ion:142 Resp: 411

Ion Ratio Lower Upper

142 100

141 87.8 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

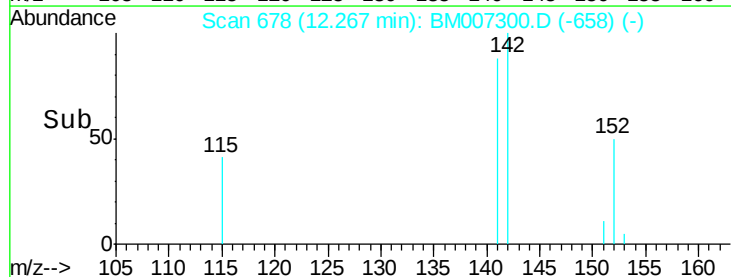
200

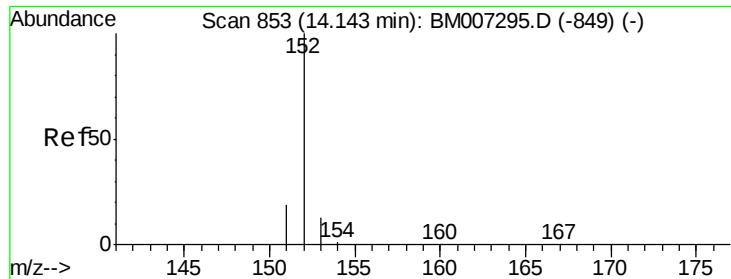
150

100

50

Time--> 12.20 12.30 12.40 12.50





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

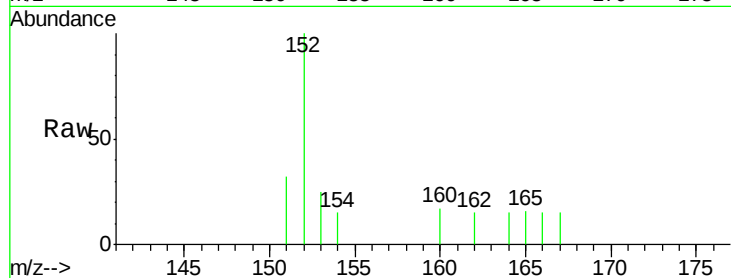
Tgt Ion:152 Resp: 668

Ion Ratio Lower Upper

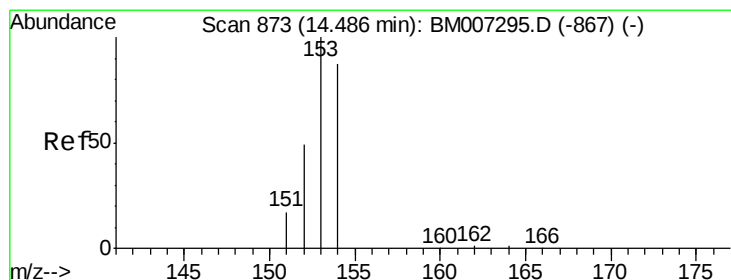
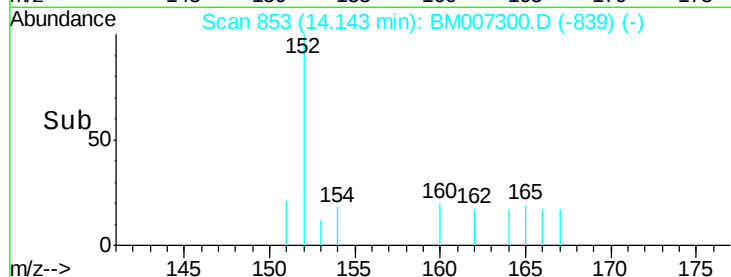
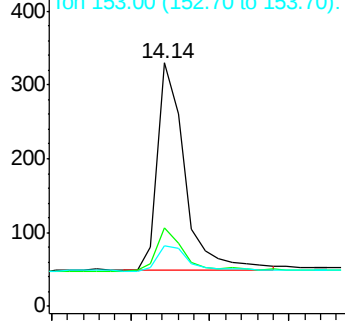
152 100

151 32.4 17.6 26.4#

153 24.8 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

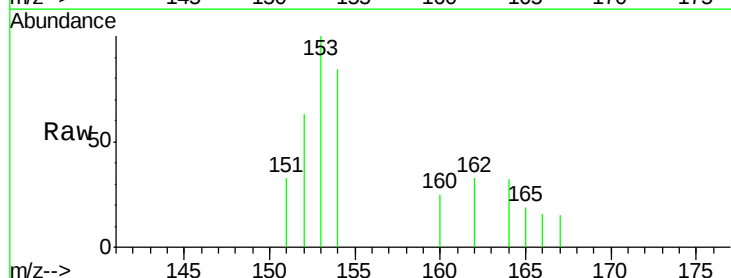
Tgt Ion:153 Resp: 523

Ion Ratio Lower Upper

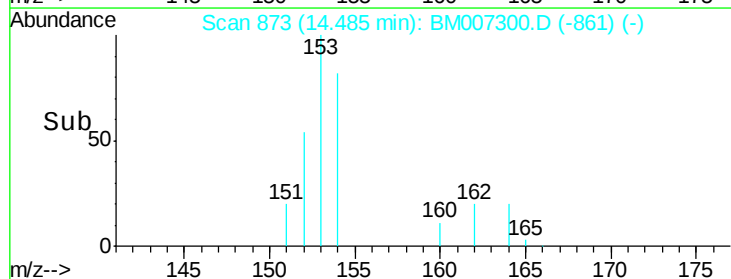
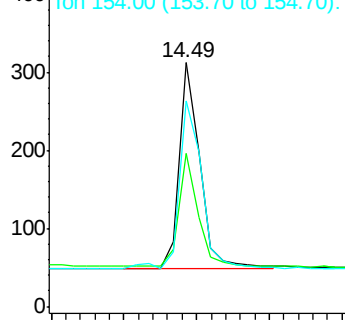
153 100

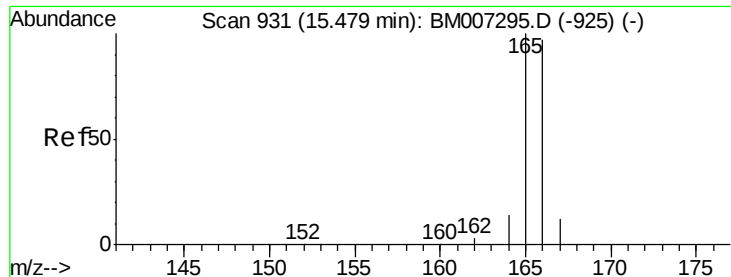
152 62.8 33.9 50.9#

154 84.3 80.6 121.0



Abundance Ion 153.00 (152.70 to 153.70): E

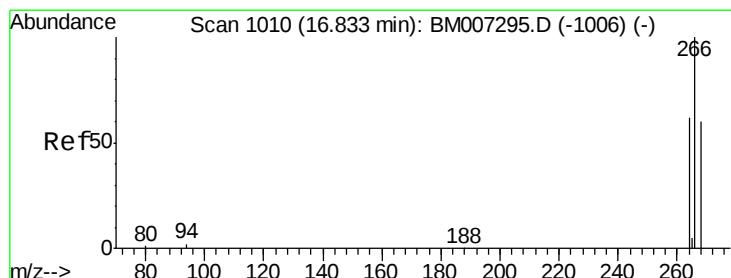
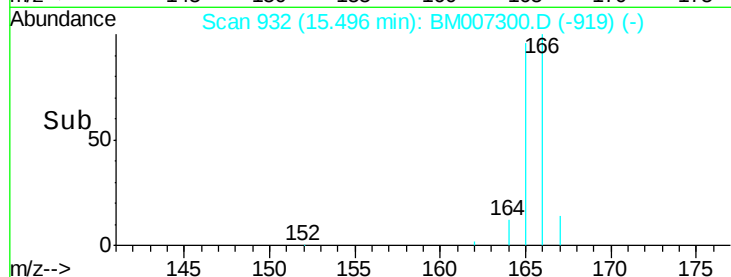
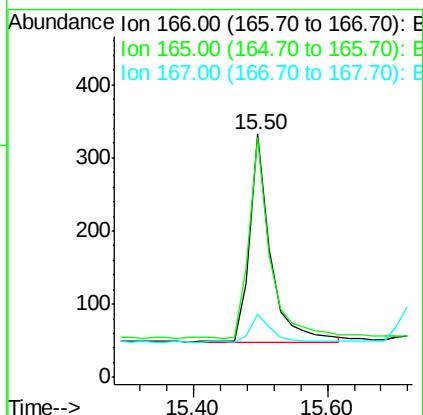
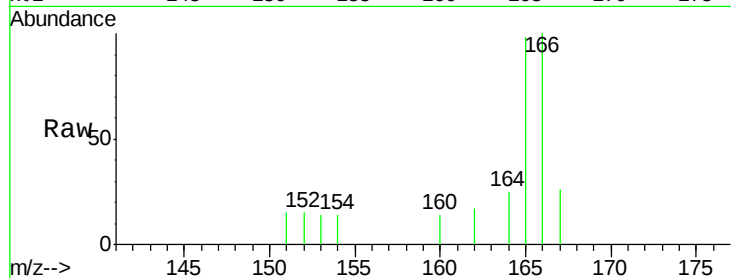




#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: BM007300.D
 Acq: 26 Aug 2016 18:29

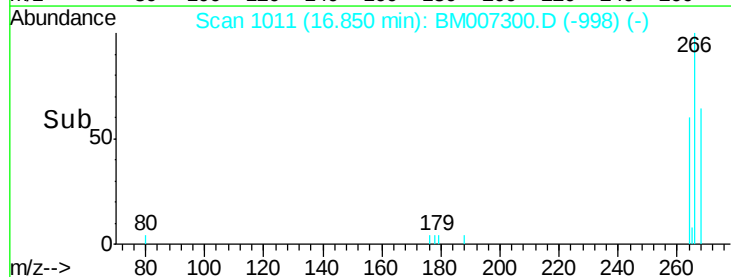
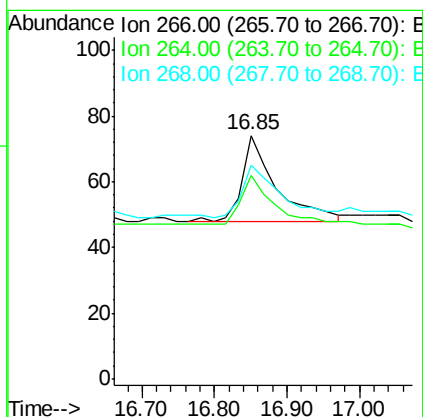
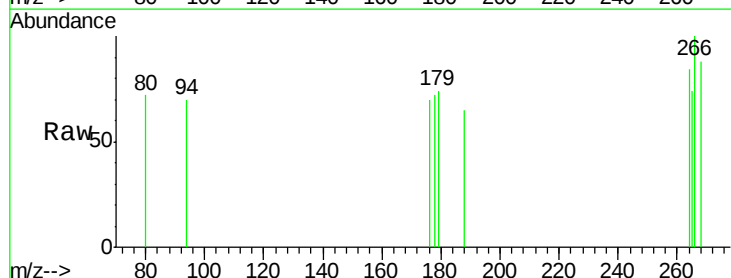
Instrument :
 BNA_M
 ClientSampleId :
 MDL-05-S

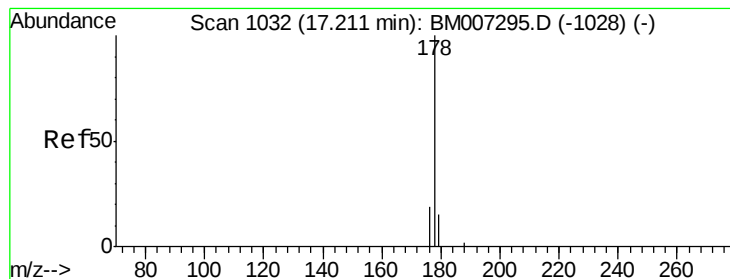
Tgt Ion:166 Resp: 622
 Ion Ratio Lower Upper
 166 100
 165 98.2 69.6 104.4
 167 26.1 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.04 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: BM007300.D
 Acq: 26 Aug 2016 18:29

Tgt Ion:266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 53.6 51.8 77.8
 268 69.0 46.8 70.2





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

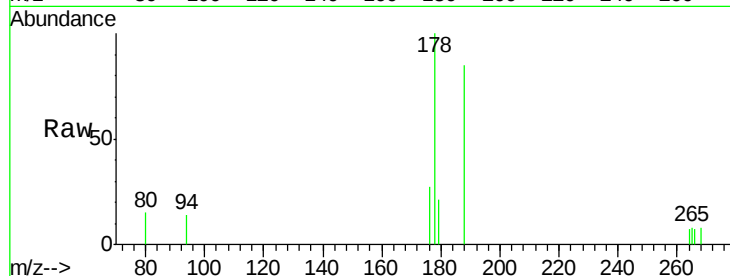
Tgt Ion:178 Resp: 1289

Ion Ratio Lower Upper

178 100

176 26.6 13.0 19.4#

179 21.0 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

17.21

600

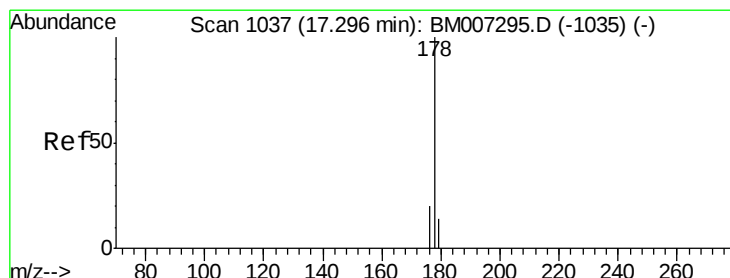
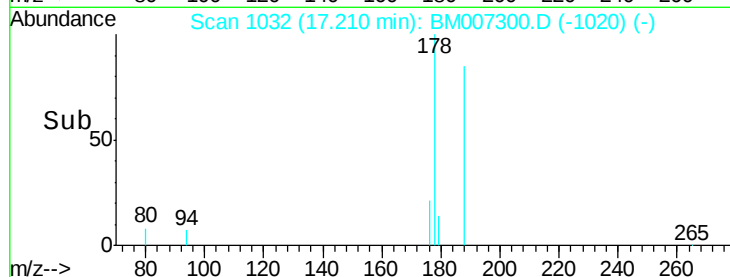
400

200

0

17.10 17.20 17.30

Time-->



#13

Anthracene

Concen: 0.04 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

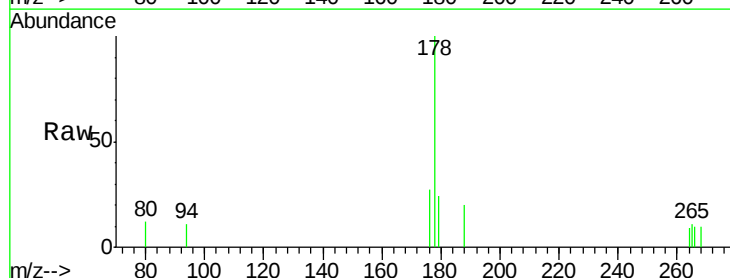
Tgt Ion:178 Resp: 975

Ion Ratio Lower Upper

178 100

176 26.7 14.0 21.0#

179 24.5 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

17.31

600

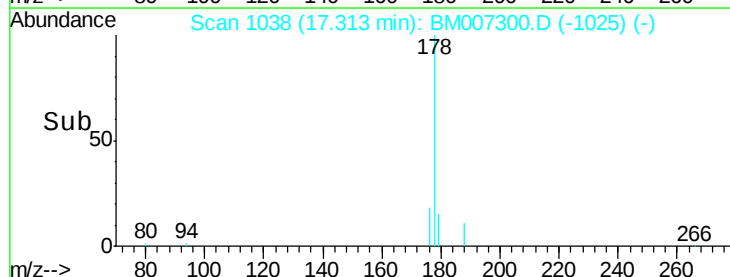
400

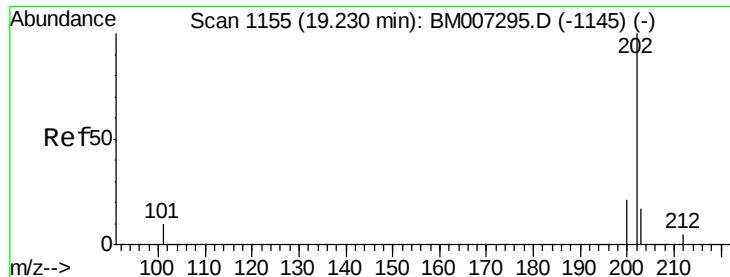
200

0

17.30 17.40

Time-->





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

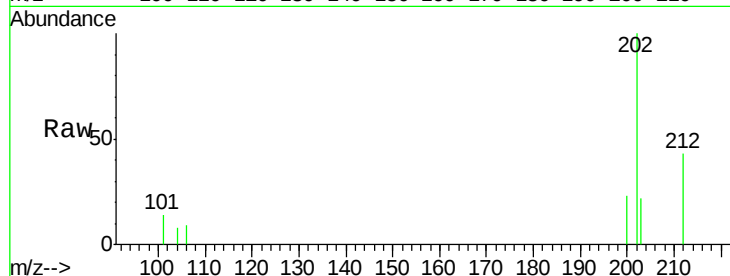
Tgt Ion:202 Resp: 1689

Ion Ratio Lower Upper

202 100

101 13.7 0.0 29.6

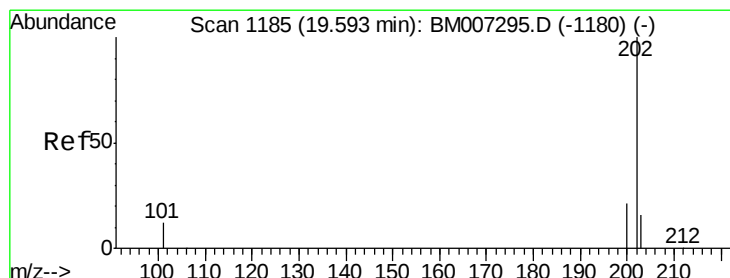
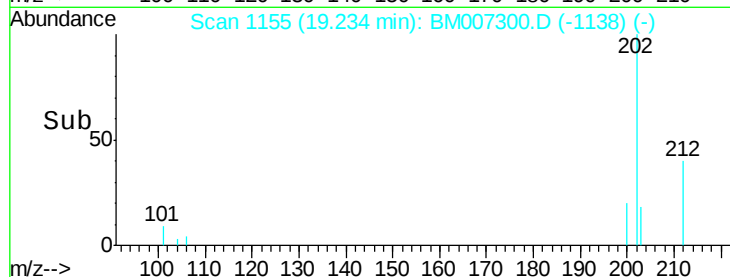
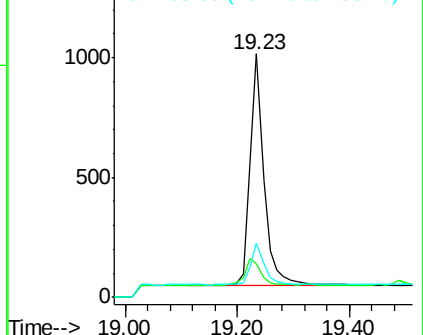
203 22.1 0.0 36.3



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: 0.05 ng/ul

RT: 19.60 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

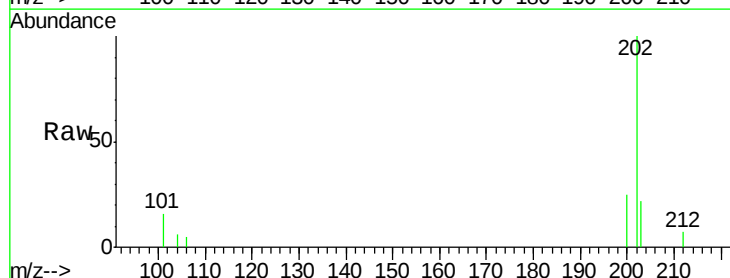
Tgt Ion:202 Resp: 1679

Ion Ratio Lower Upper

202 100

200 24.5 17.8 26.8

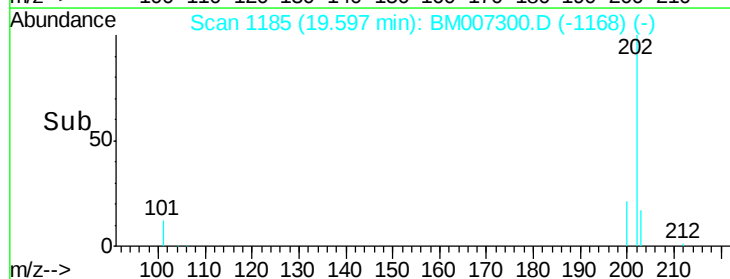
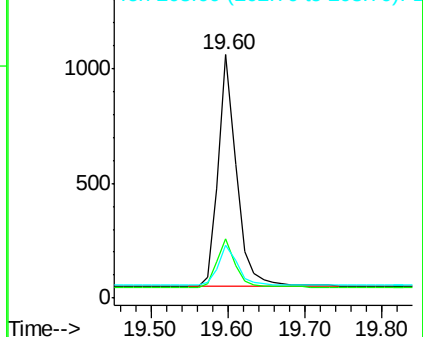
203 21.6 12.8 19.2#

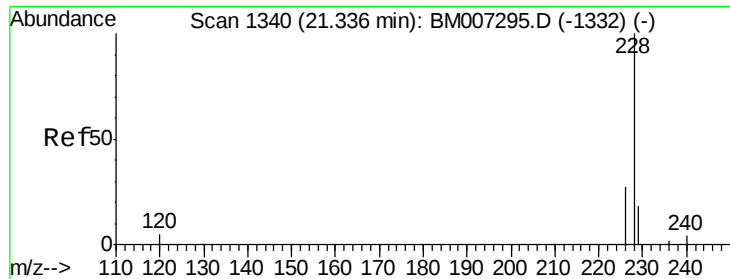


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

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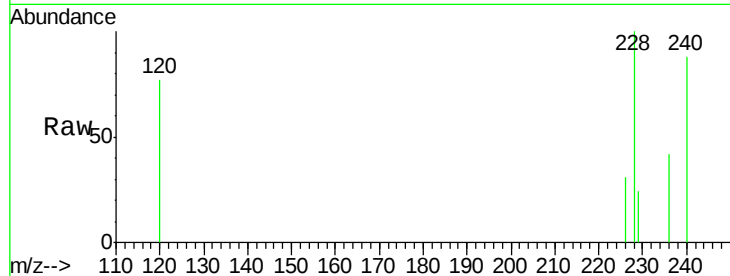
Tgt Ion:228 Resp: 1449

Ion Ratio Lower Upper

228 100

226 31.0 18.8 28.2#

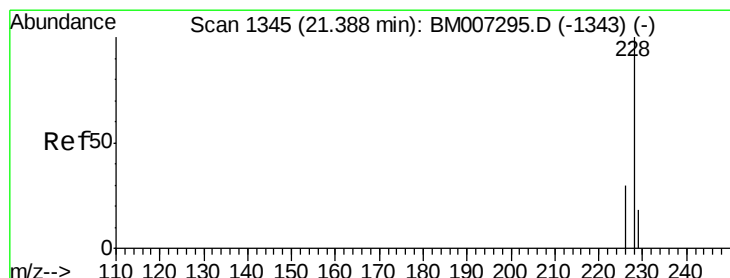
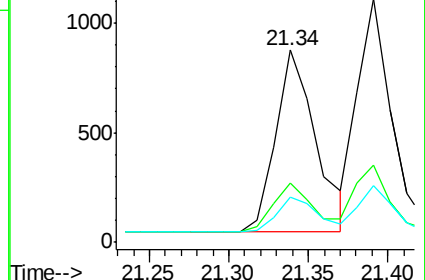
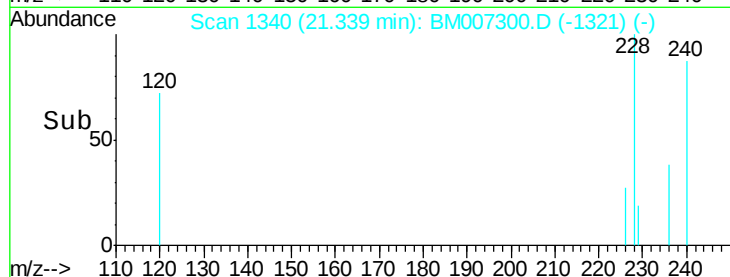
229 23.6 17.1 25.7



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: 0.05 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

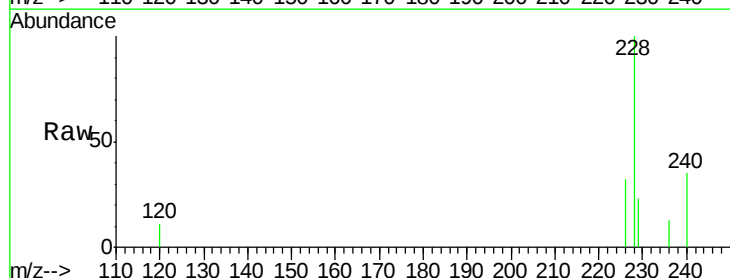
Tgt Ion:228 Resp: 1646

Ion Ratio Lower Upper

228 100

226 31.5 21.2 31.8

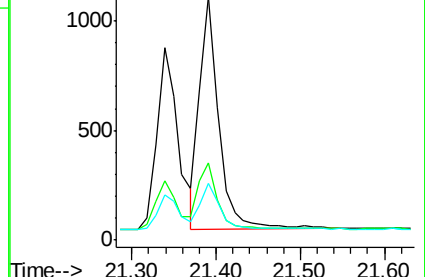
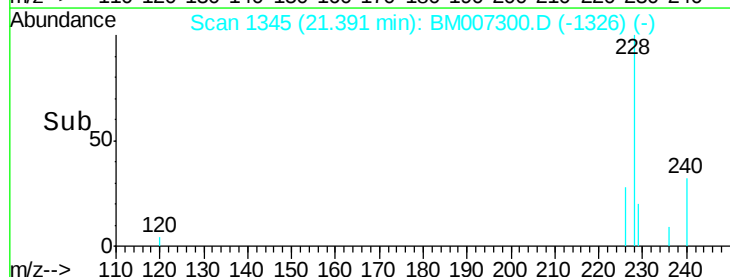
229 23.1 17.0 25.6

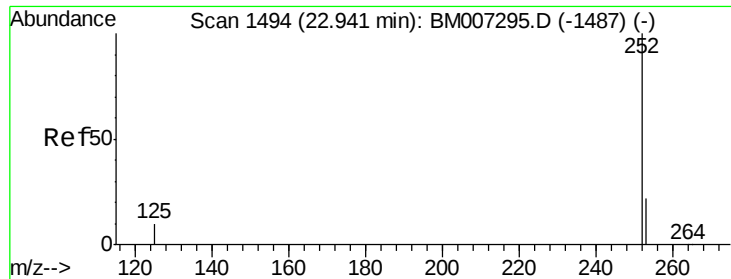


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

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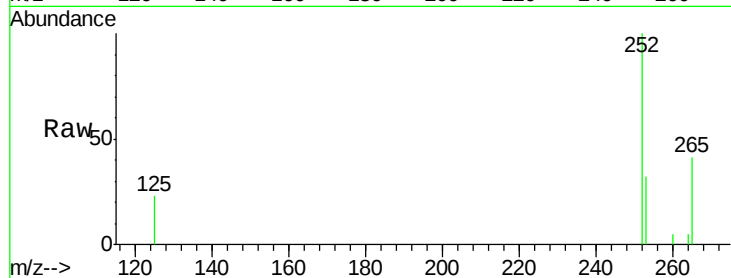
Tgt Ion:252 Resp: 1843

Ion Ratio Lower Upper

252 100

253 32.4 0.0 45.4

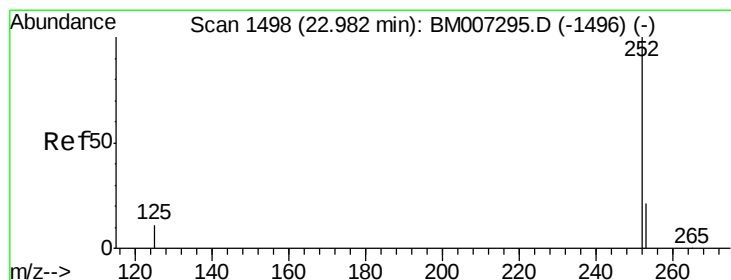
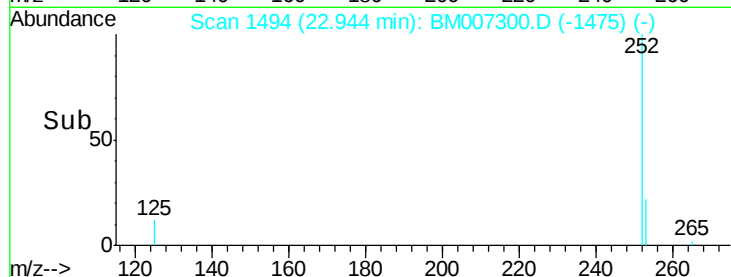
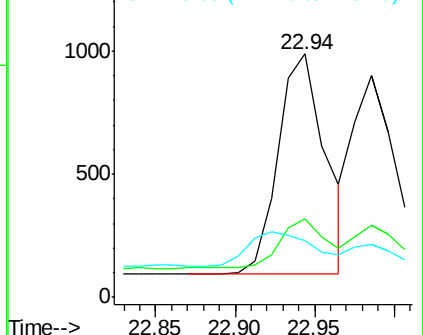
125 23.2 0.0 28.8



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: 0.05 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

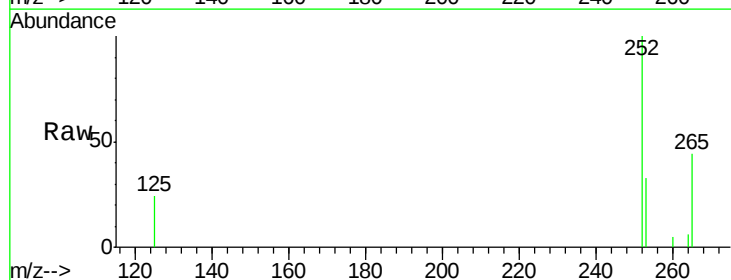
Tgt Ion:252 Resp: 1603

Ion Ratio Lower Upper

252 100

253 32.6 19.8 29.8#

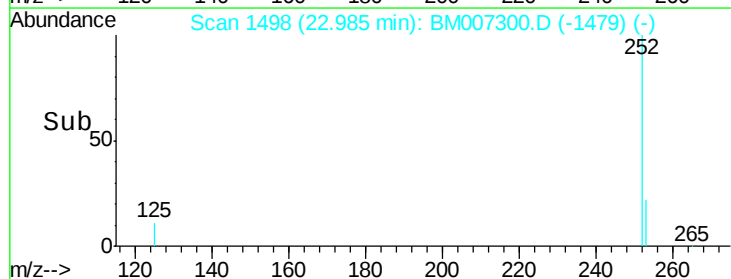
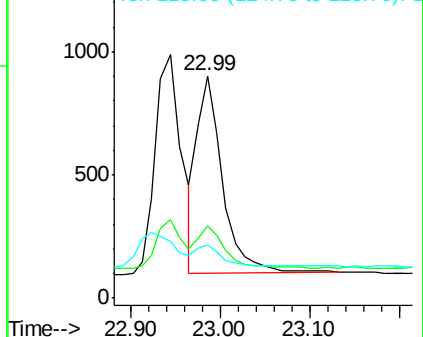
125 23.9 10.4 15.6#

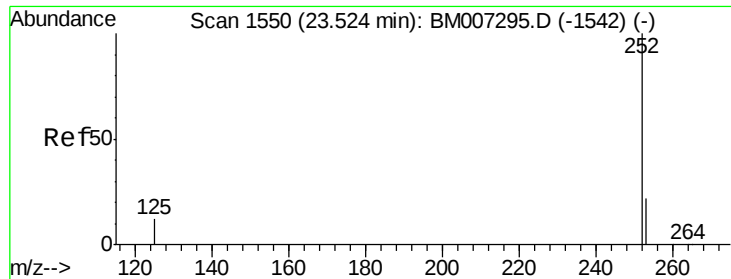


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.53 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampleId :

MDL-05-S

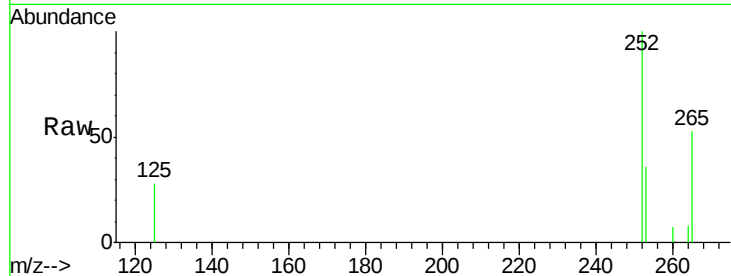
Tgt Ion:252 Resp: 1759

Ion Ratio Lower Upper

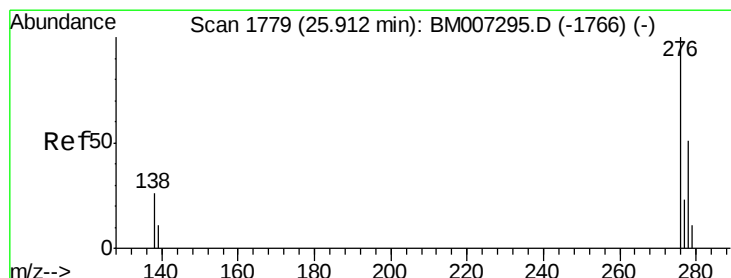
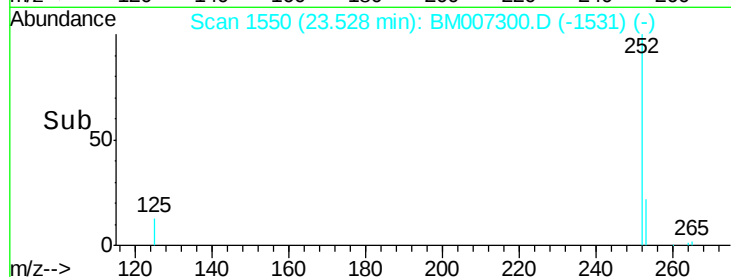
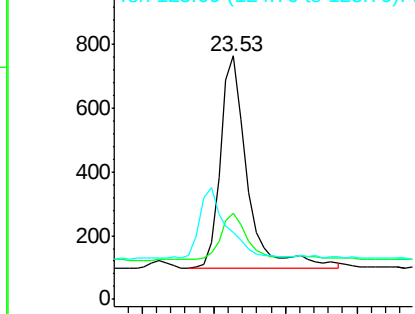
252 100

253 35.6 19.4 29.2#

125 27.7 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: 0.04 ng/ul

RT: 25.93 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

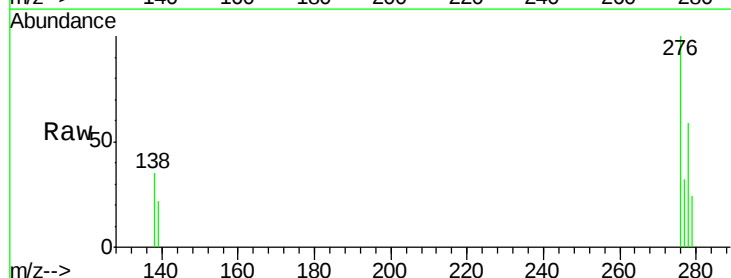
Tgt Ion:276 Resp: 1871

Ion Ratio Lower Upper

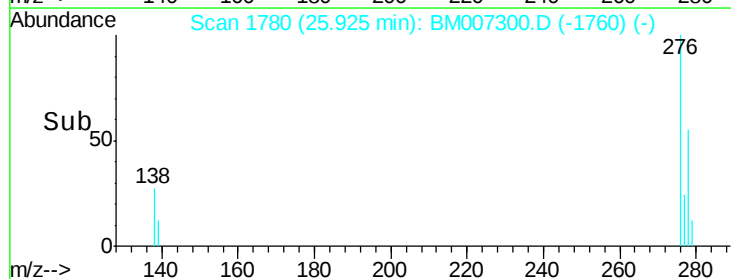
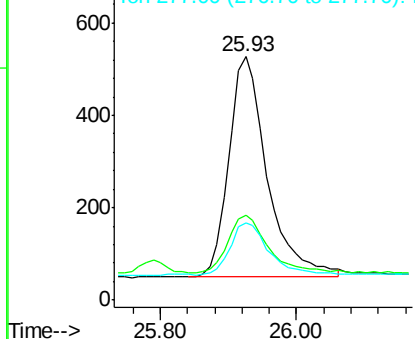
276 100

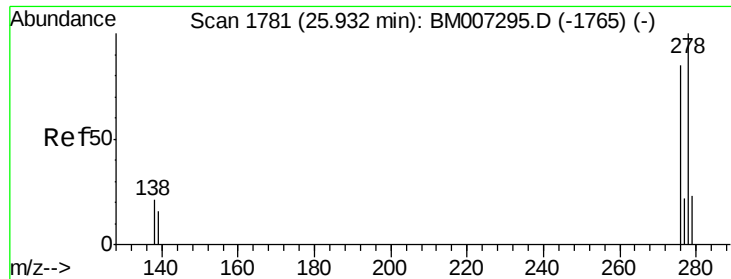
138 27.2 16.3 24.5#

277 24.2 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: 0.04 ng/ul

RT: 25.95 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

Instrument :

BNA_M

ClientSampled :

MDL-05-S

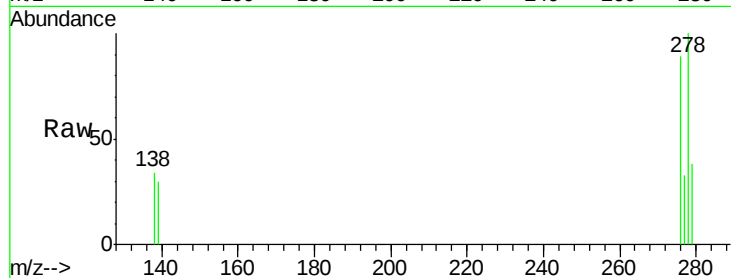
Tgt Ion: 278 Resp: 1430

Ion Ratio Lower Upper

278 100

139 29.6 16.4 24.6#

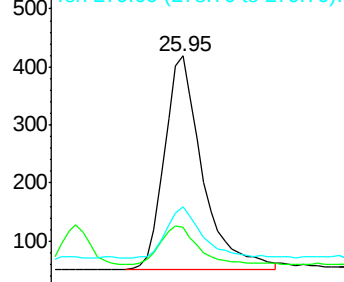
279 37.9 20.2 30.2#



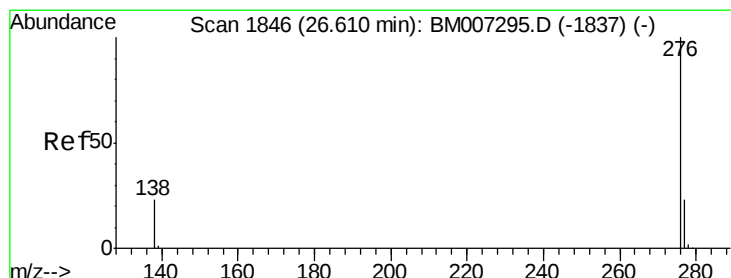
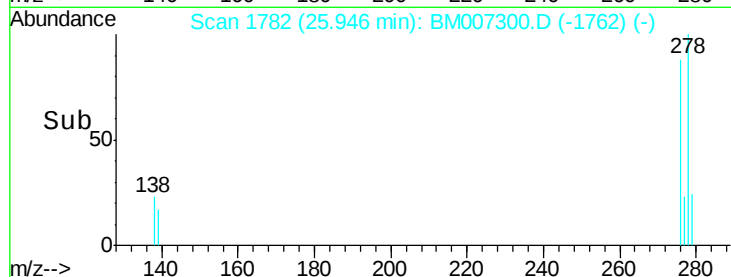
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 26.62 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM007300.D

Acq: 26 Aug 2016 18:29

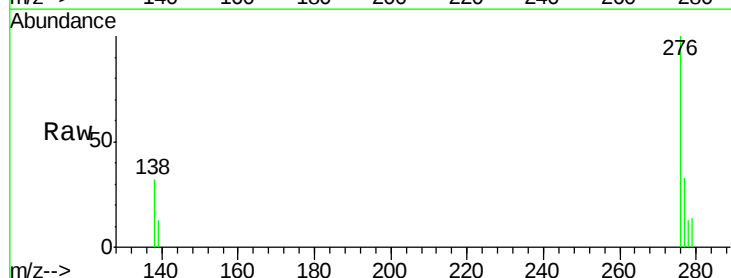
Tgt Ion: 276 Resp: 1657

Ion Ratio Lower Upper

276 100

277 32.5 18.9 28.3#

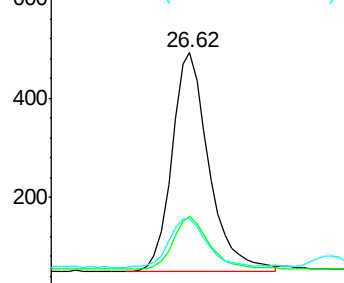
138 31.9 22.5 33.7



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



Time-->

