

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
 Data File : BM000142.D
 Acq On : 08 Jan 2015 00:07
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-07-S

Quant Time: Jan 08 12:11:14 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 10:41:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2943	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9369	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5293	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10276	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8777	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7931	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4436	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7825	0.35	ng/ul	0.00

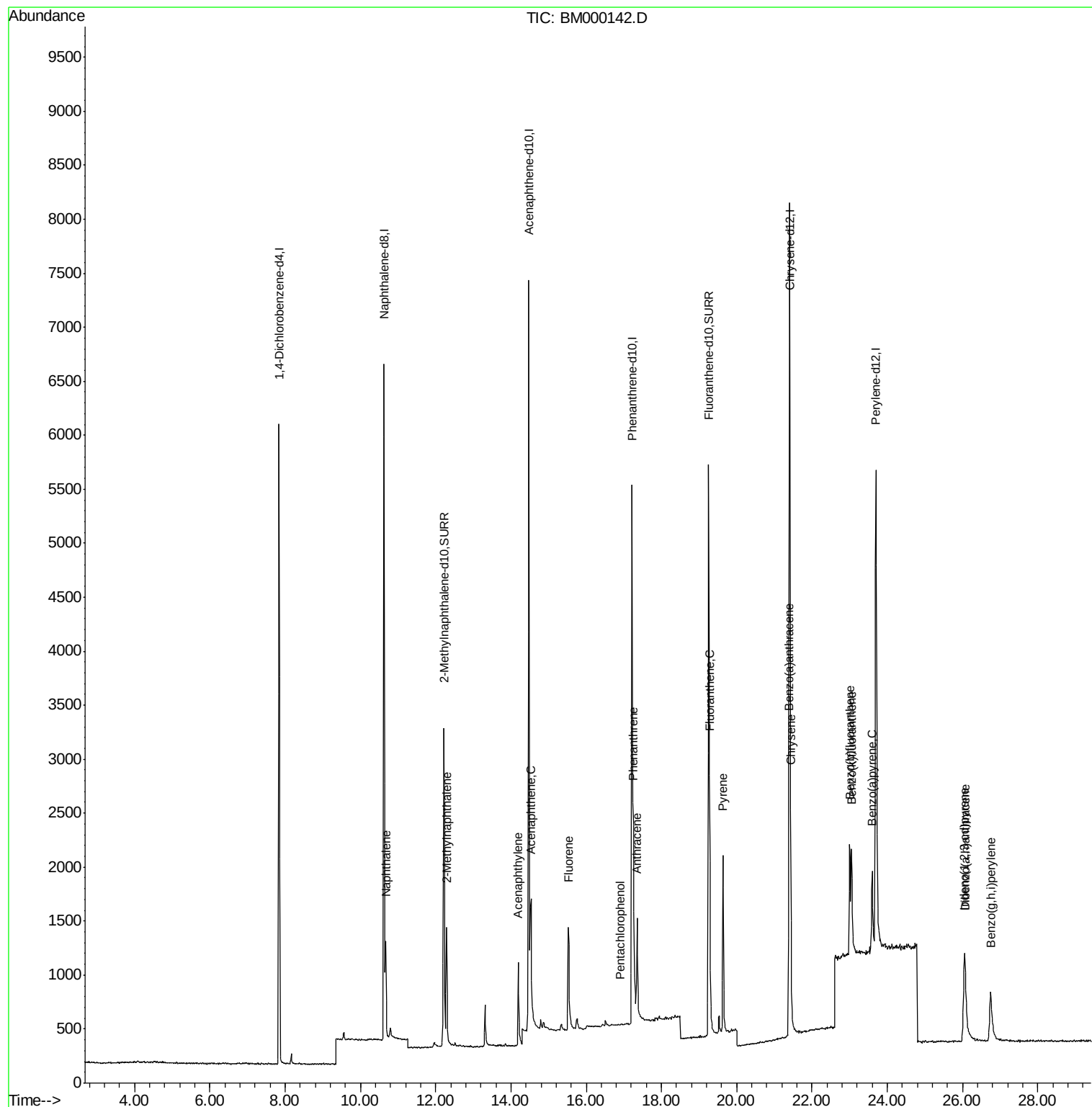
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	1383	0.06	ng/ul#	88
5) 2-Methylnaphthalene	12.29	142	881	0.05	ng/ul	98
7) Acenaphthylene	14.20	152	1338	0.05	ng/ul#	85
8) Acenaphthene	14.54	153	920	0.06	ng/ul	97
9) Fluorene	15.52	166	1074	0.06	ng/ul#	92
11) Pentachlorophenol	16.92	266	6	0.00	ng/ul#	30
12) Phenanthrene	17.26	178	1717	0.05	ng/ul#	85
13) Anthracene	17.35	178	1602	0.05	ng/ul#	82
15) Fluoranthene	19.27	202	2031	0.06	ng/ul	91
17) Pyrene	19.63	202	2065	0.06	ng/ul#	91
18) Benzo(a)anthracene	21.39	228	1651	0.06	ng/ul#	93
19) Chrysene	21.44	228	1703	0.05	ng/ul	94
21) Benzo(b)fluoranthene	23.00	252	1524	0.05	ng/ul#	63
22) Benzo(k)fluoranthene	23.05	252	1898	0.06	ng/ul#	65
23) Benzo(a)pyrene	23.60	252	1696	0.06	ng/ul#	55
24) Indeno(1,2,3-cd)pyrene	26.05	276	1746	0.05	ng/ul	97
25) Dibenzo(a,h)anthracene	26.07	278	1354	0.05	ng/ul#	59
26) Benzo(g,h,i)perylene	26.74	276	1616	0.06	ng/ul#	78

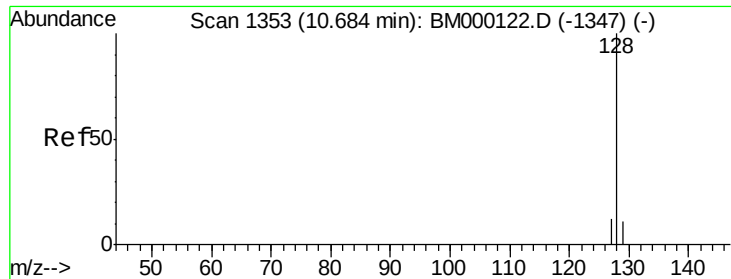
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

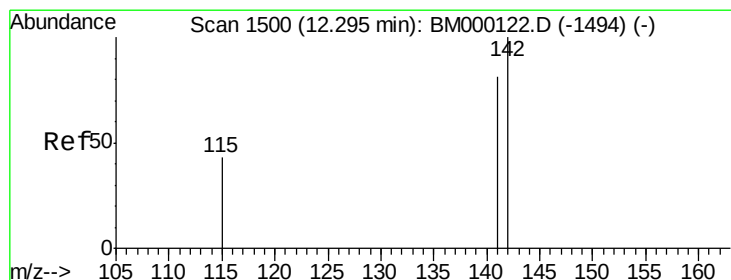
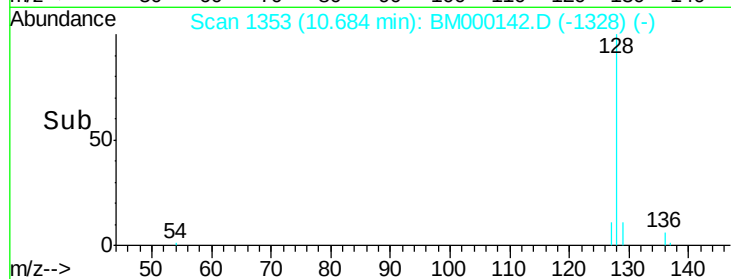
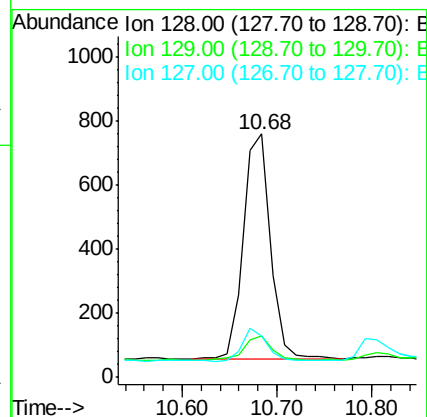
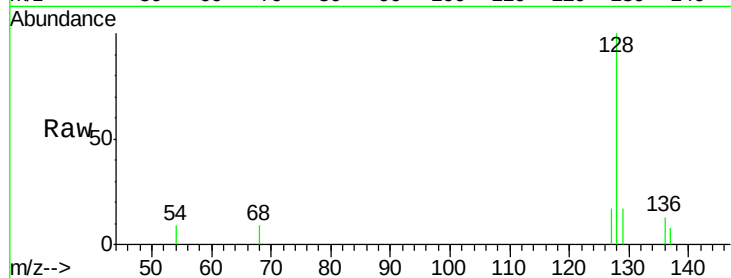
Tot Ion:128 Resp: 1383

Ion Ratio Lower Upper

128 100

129 17.1 9.5 14.3#

127 17.0 10.4 15.6#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BM000142.D

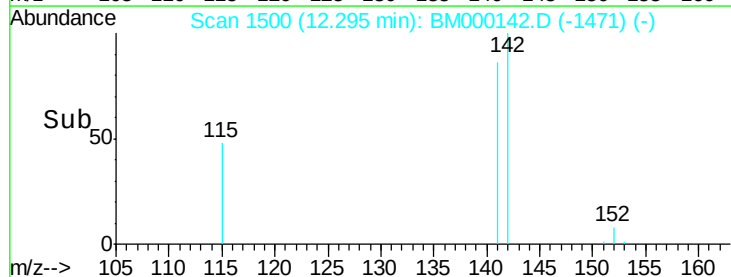
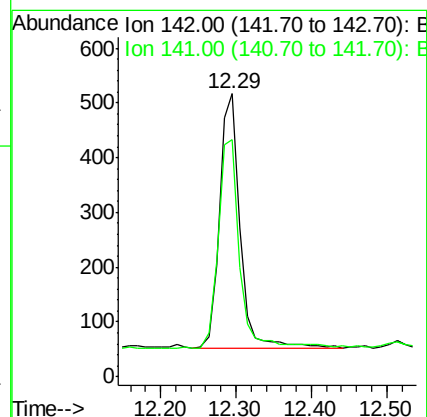
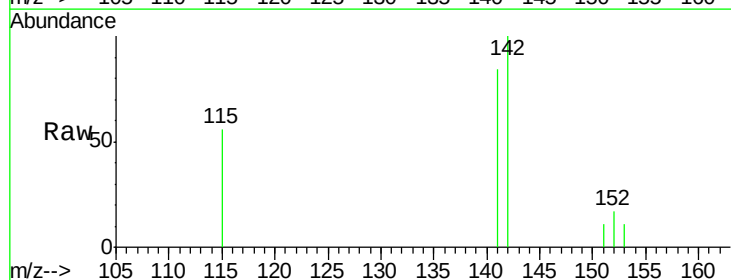
Acq: 08 Jan 2015 00:07

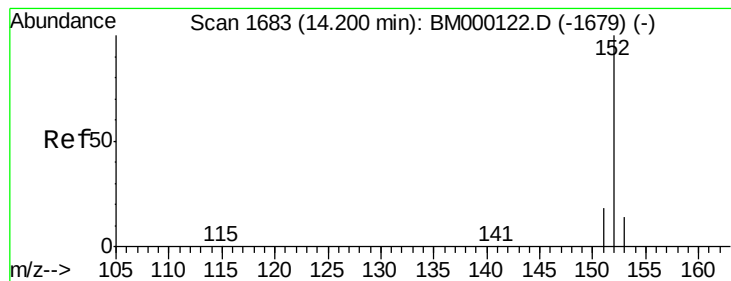
Tgt Ion:142 Resp: 881

Ion Ratio Lower Upper

142 100

141 84.4 68.9 103.3





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

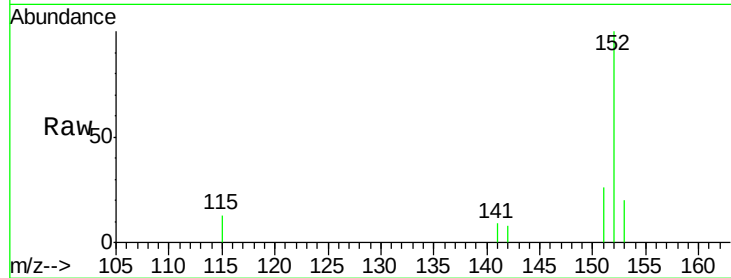
Tot Ion:152 Resp: 1338

Ion Ratio Lower Upper

152 100

151 26.1 15.4 23.2#

153 19.5 11.0 16.4#



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

14.20

600

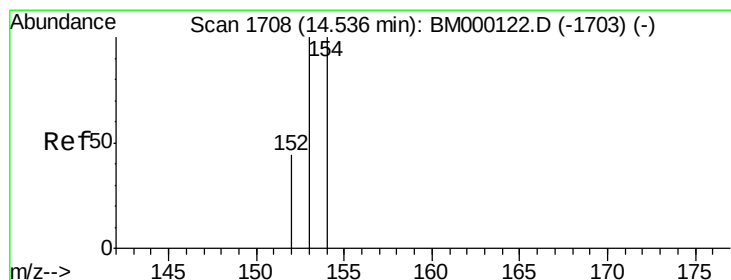
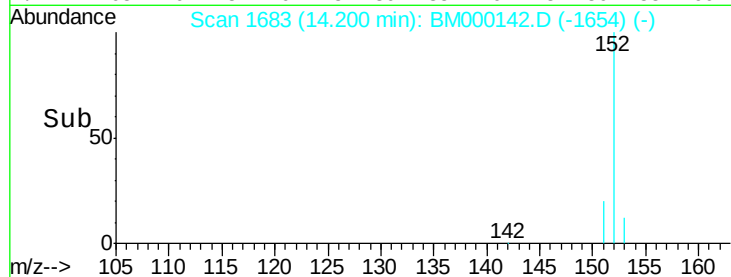
400

200

0

14.10 14.20 14.30 14.40

Time-->



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

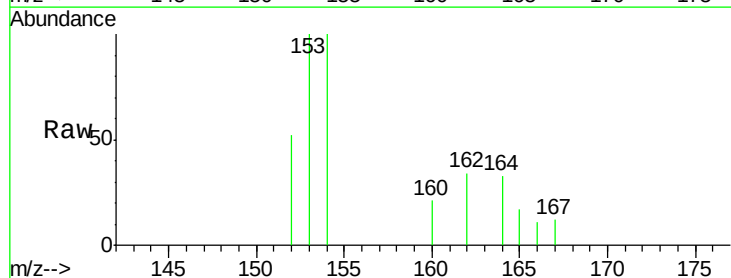
Tgt Ion:153 Resp: 920

Ion Ratio Lower Upper

153 100

152 51.6 35.8 53.6

154 99.6 79.9 119.9



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

14.54

600

500

400

300

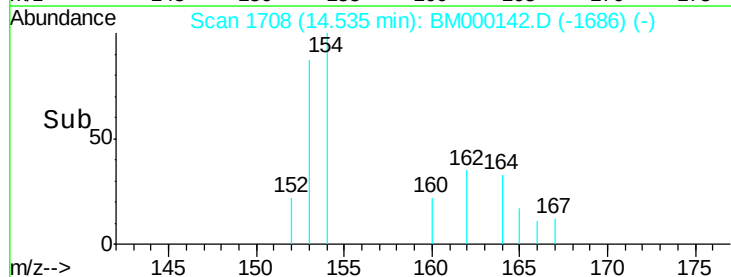
200

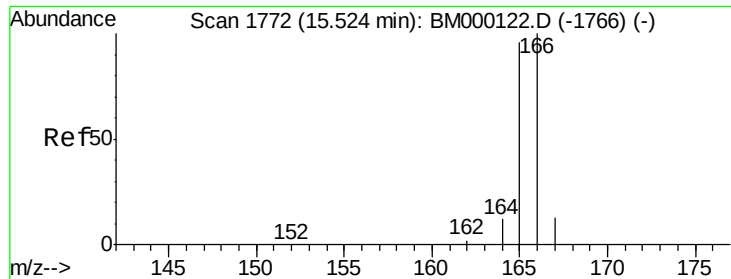
100

0

14.40 14.60

Time-->





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

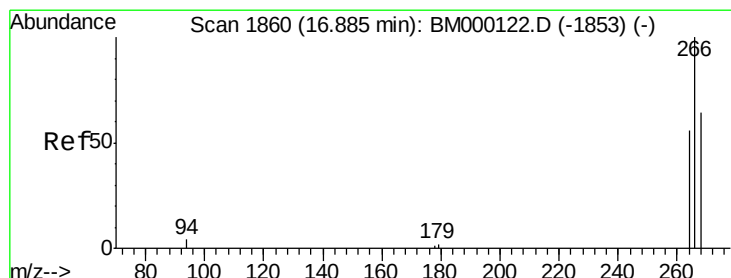
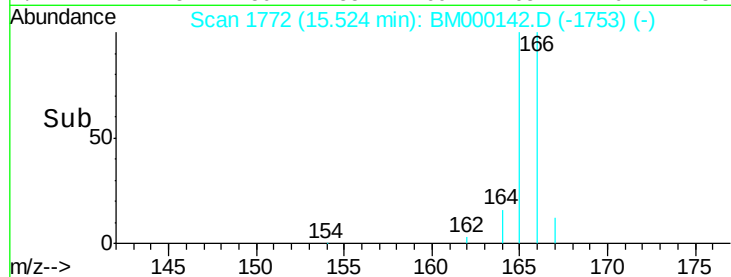
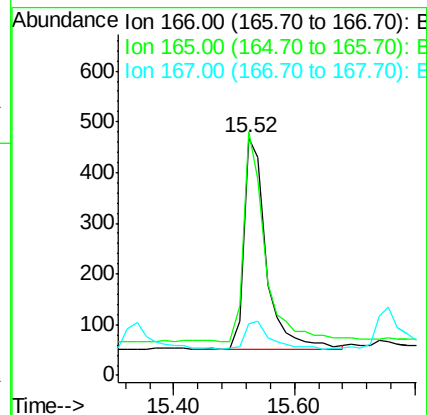
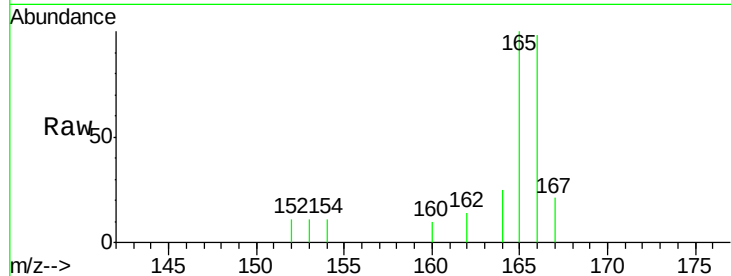
Tot Ion:166 Resp: 1074

Ion Ratio Lower Upper

166 100

165 102.6 77.0 115.4

167 21.8 11.0 16.6#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.92 min Scan# 1862

Delta R.T. 0.03 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

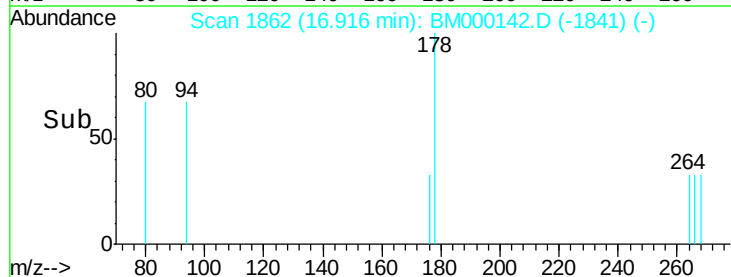
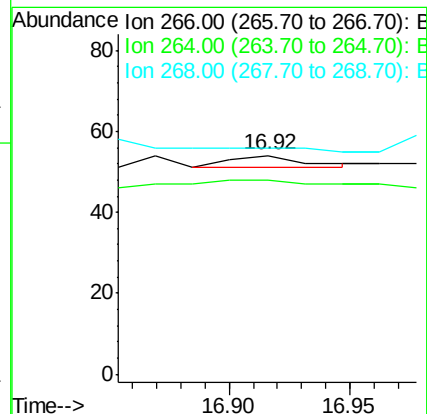
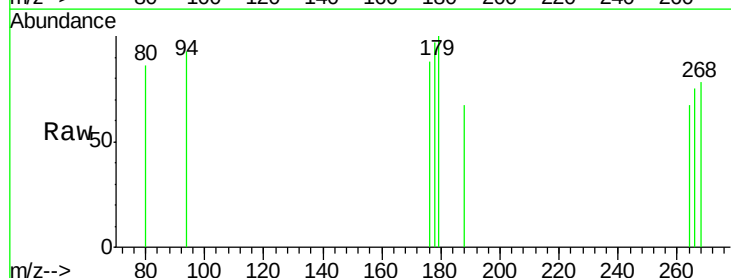
Tgt Ion:266 Resp: 6

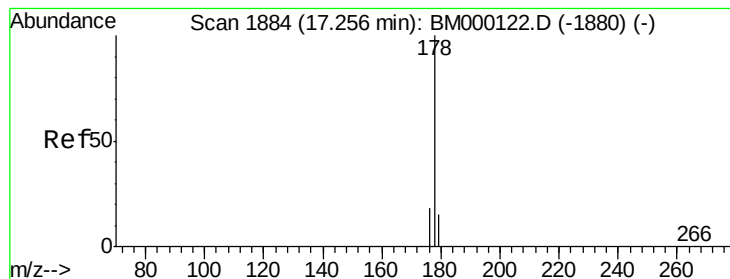
Ion Ratio Lower Upper

266 100

264 116.7 53.9 80.9#

268 0.0 49.2 73.8#





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

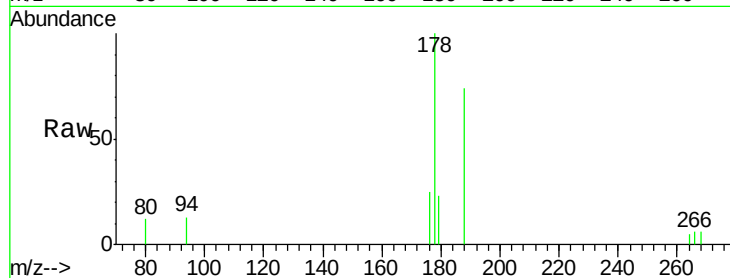
Tot Ion:178 Resp: 1717

Ion Ratio Lower Upper

178 100

176 25.2 15.1 22.7#

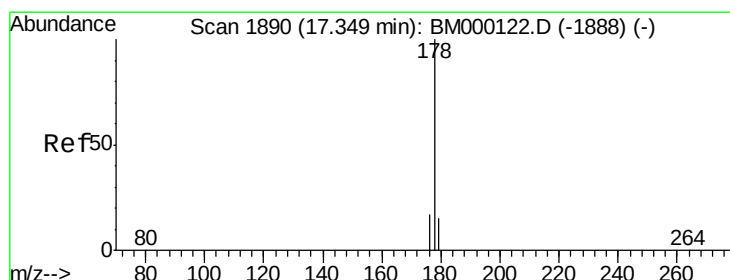
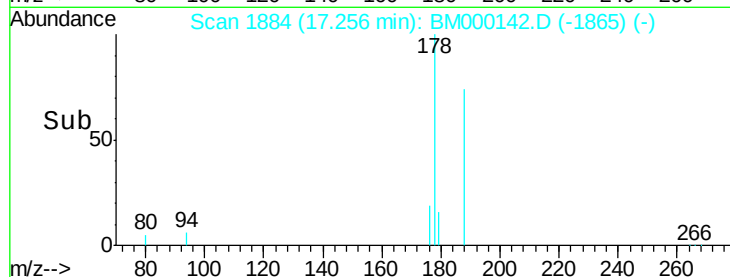
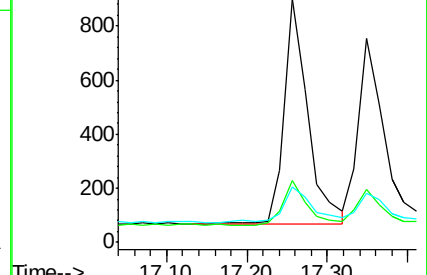
179 23.0 13.0 19.4#



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: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

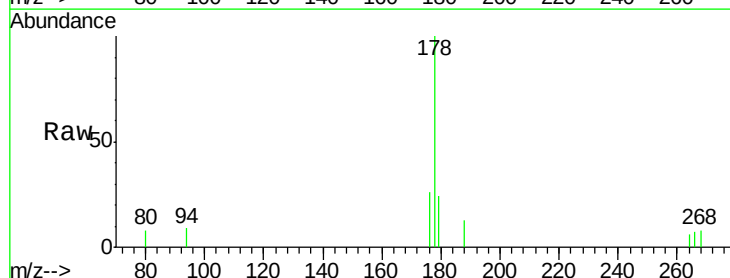
Tgt Ion:178 Resp: 1602

Ion Ratio Lower Upper

178 100

176 25.9 14.6 21.8#

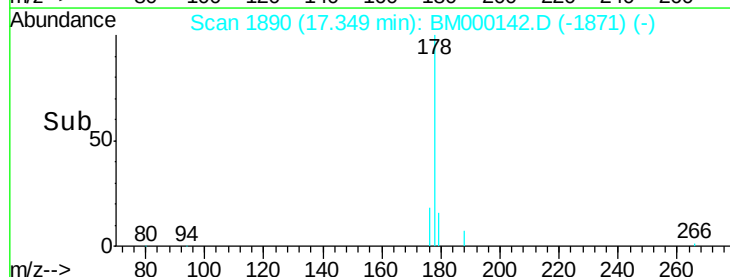
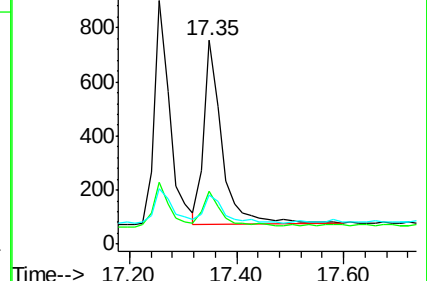
179 24.1 13.1 19.7#

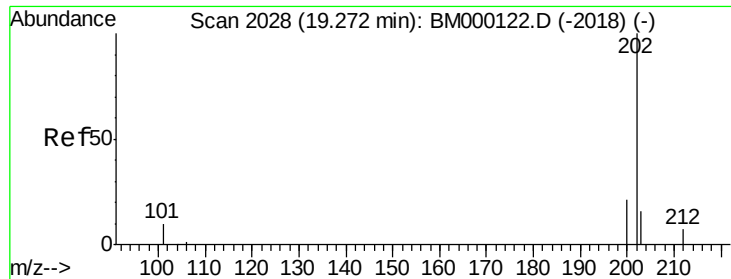


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.06 ng/ul

RT: 19.27 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

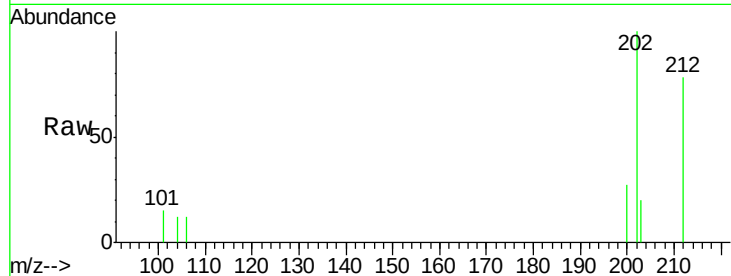
Tot Ion:202 Resp: 2031

Ion Ratio Lower Upper

202 100

101 15.1 0.0 30.5

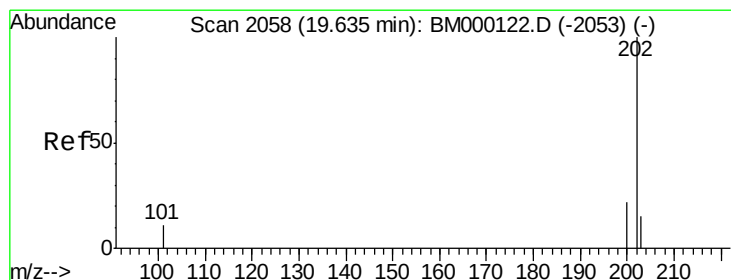
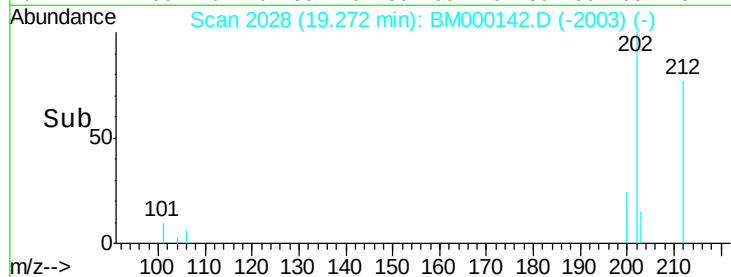
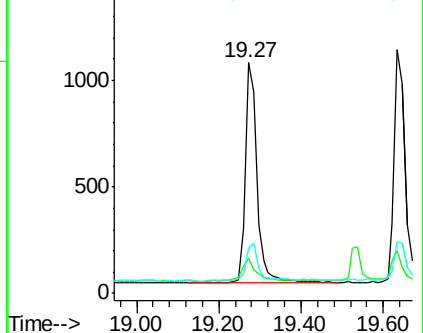
203 19.9 0.0 36.6



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: 19.63 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

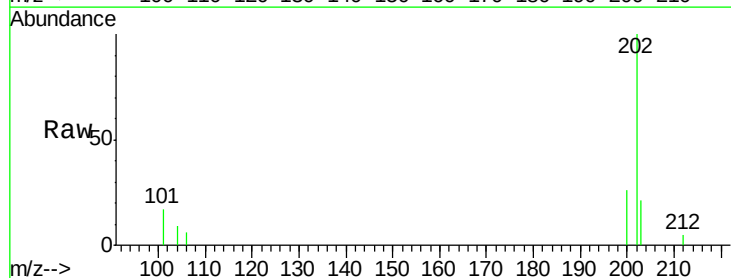
Tgt Ion:202 Resp: 2065

Ion Ratio Lower Upper

202 100

200 25.7 17.9 26.9

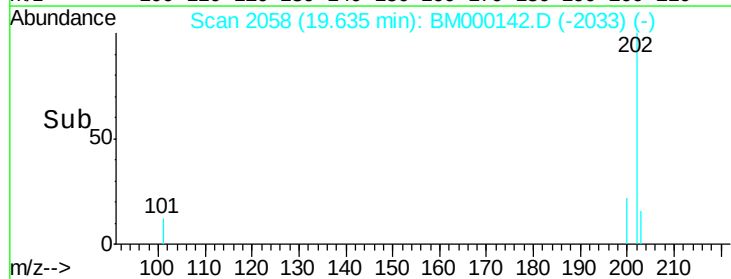
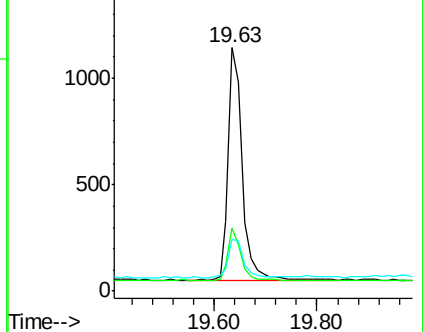
203 21.0 12.8 19.2#

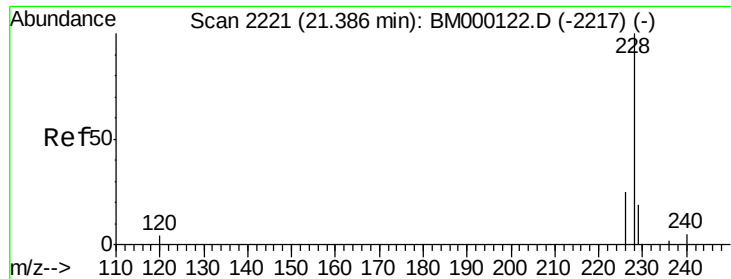


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

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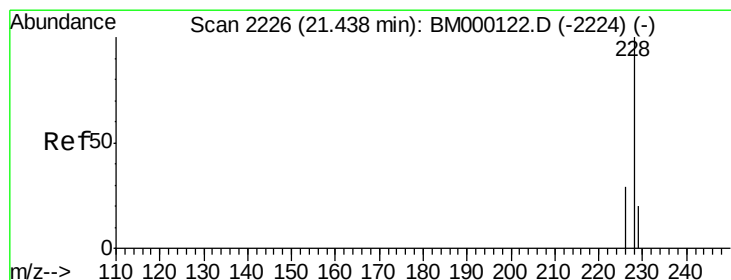
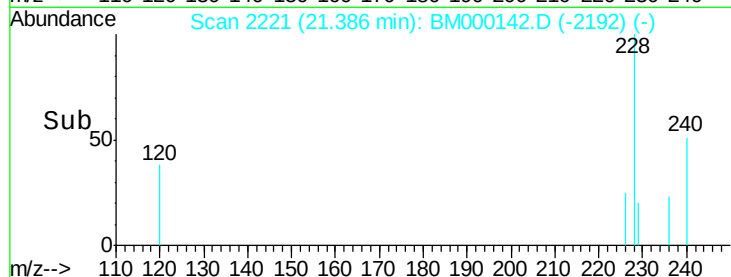
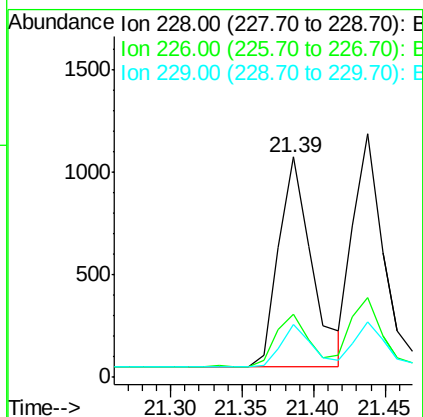
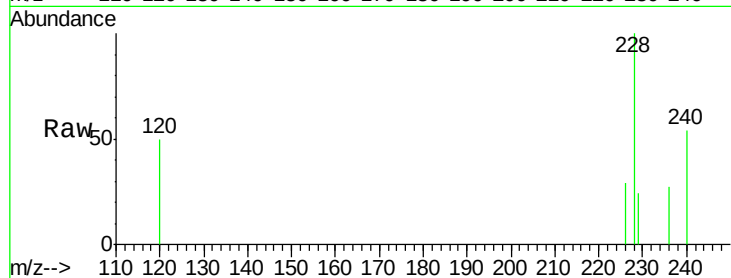
Tot Ion:228 Resp: 1651

Ion Ratio Lower Upper

228 100

226 28.9 20.8 31.2

229 23.9 15.5 23.3#



#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

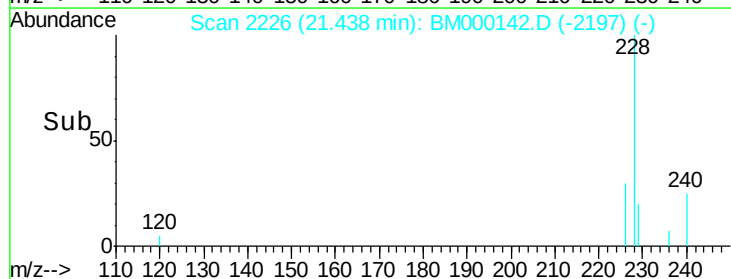
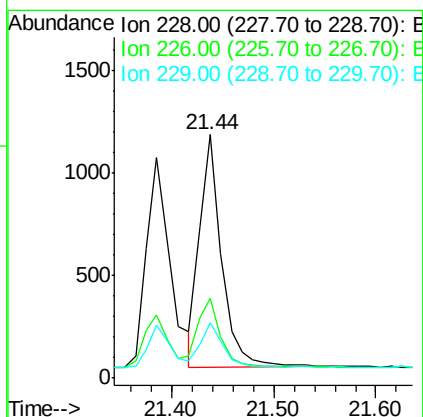
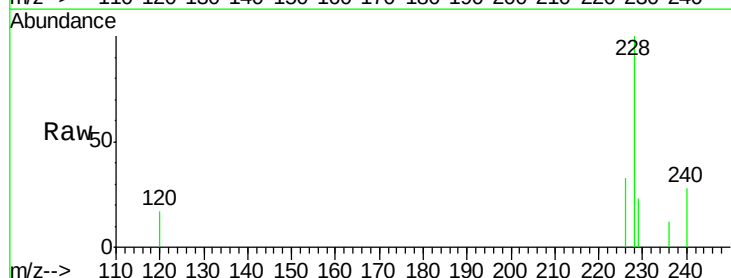
Tgt Ion:228 Resp: 1703

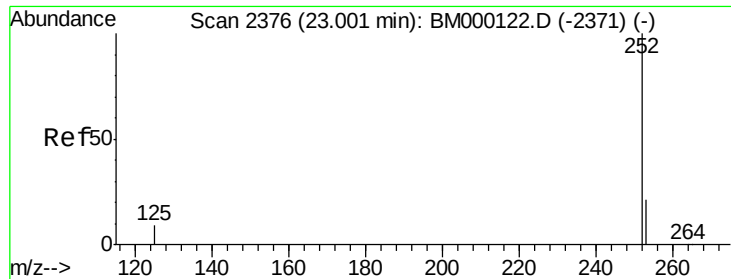
Ion Ratio Lower Upper

228 100

226 32.7 23.8 35.6

229 22.9 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

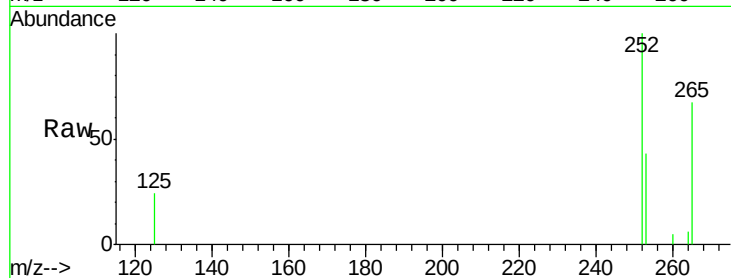
Tot Ion:252 Resp: 1524

Ion Ratio Lower Upper

252 100

253 43.1 0.0 48.2

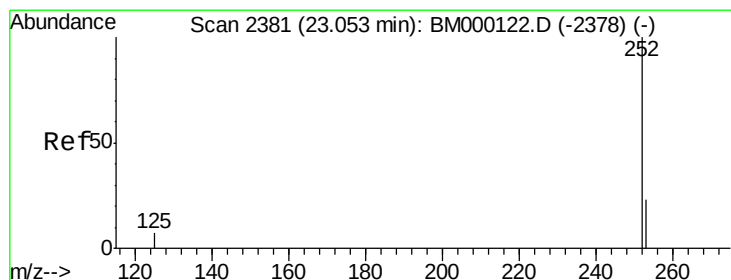
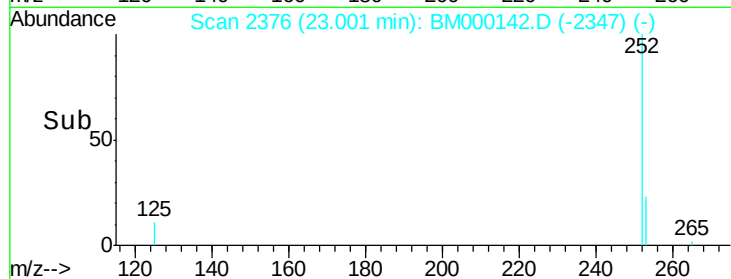
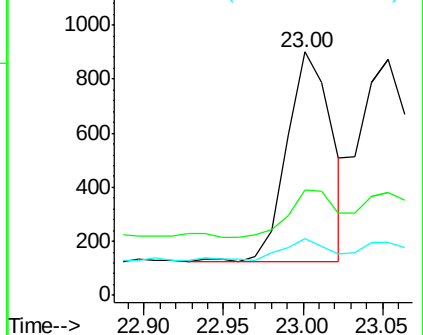
125 23.5 0.0 21.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

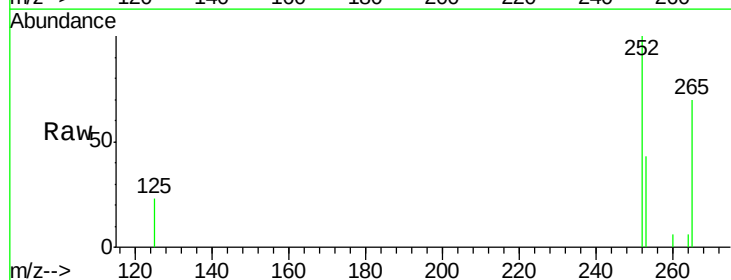
Tgt Ion:252 Resp: 1898

Ion Ratio Lower Upper

252 100

253 43.5 20.5 30.7#

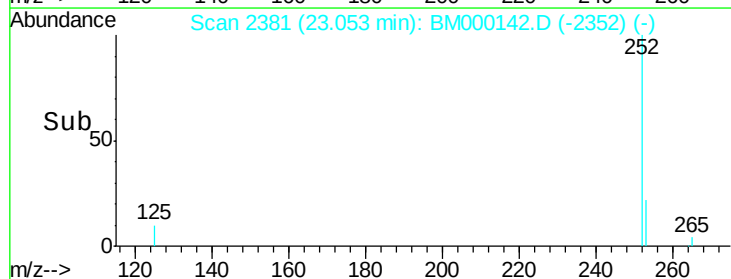
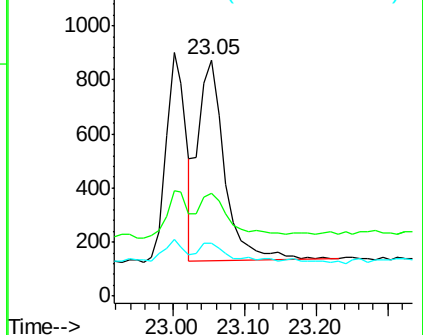
125 22.7 7.8 11.8#

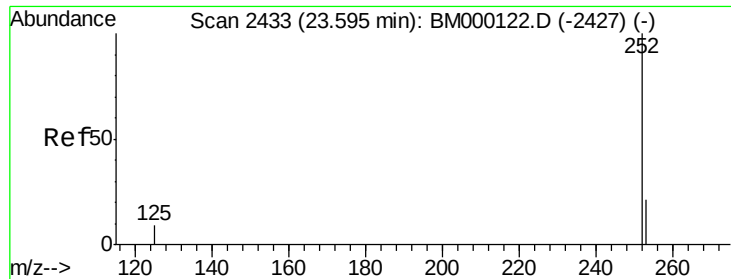


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

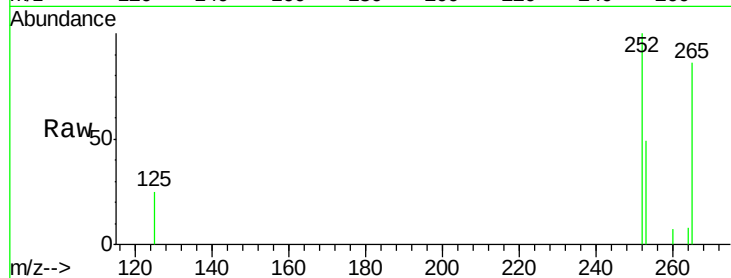
Tot Ion:252 Resp: 1696

Ion Ratio Lower Upper

252 100

253 49.4 19.8 29.6#

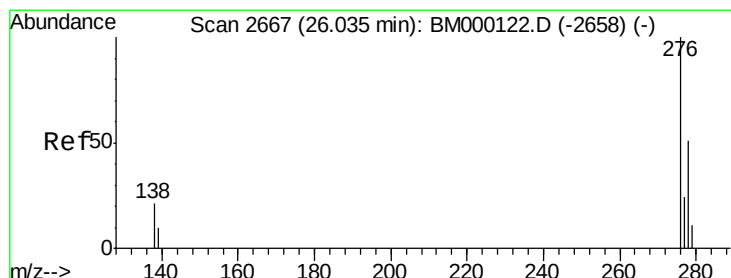
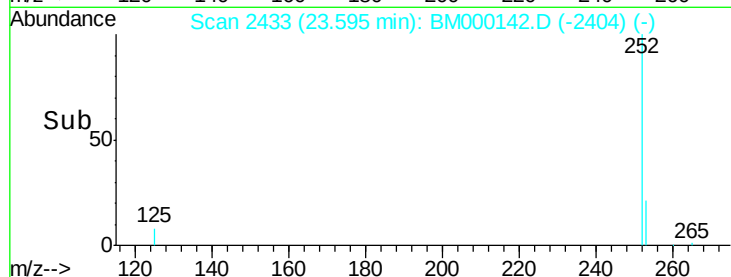
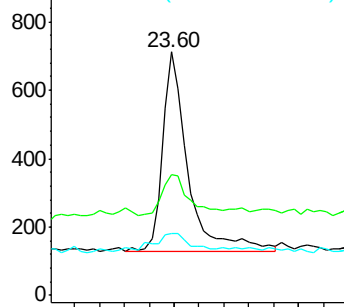
125 25.3 9.2 13.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.05 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

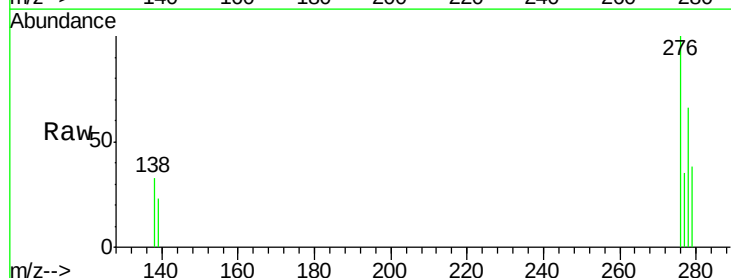
Tgt Ion:276 Resp: 1746

Ion Ratio Lower Upper

276 100

138 22.2 17.6 26.4

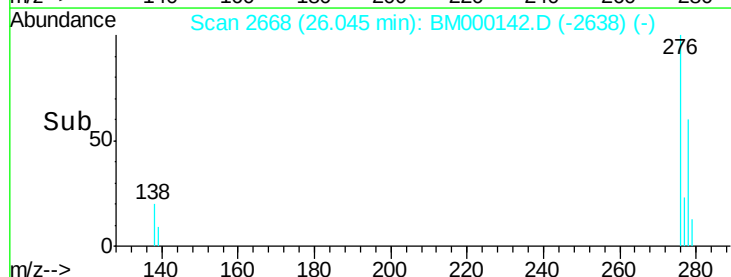
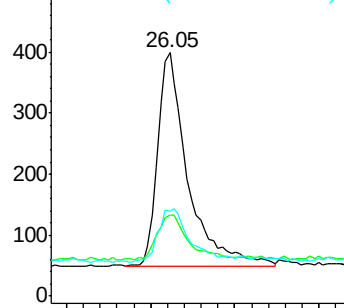
277 27.1 19.9 29.9

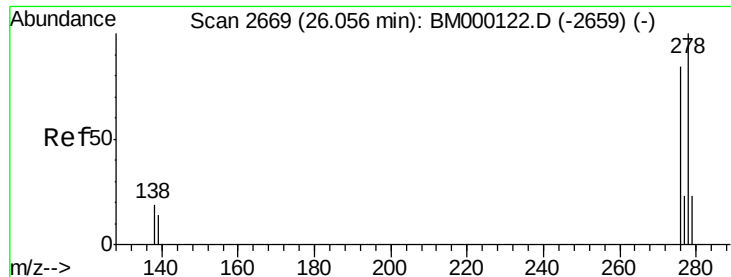


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 26.07 min Scan# 2670

Delta R.T. 0.01 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

Instrument :

BNA_M

ClientSampleId :

MDL-07-S

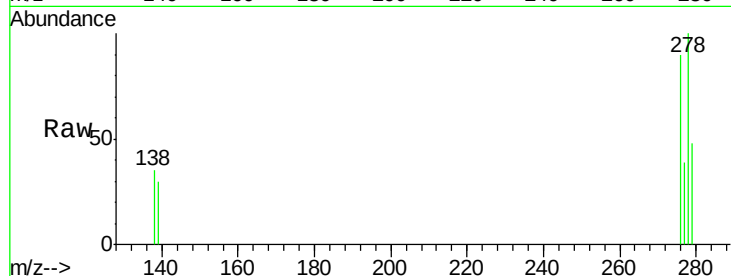
Tot Ion:278 Resp: 1354

Ion Ratio Lower Upper

278 100

139 30.4 12.6 18.8#

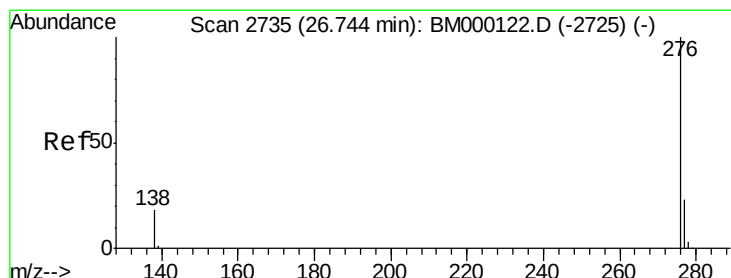
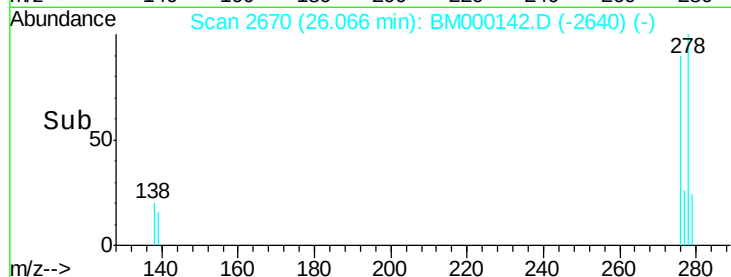
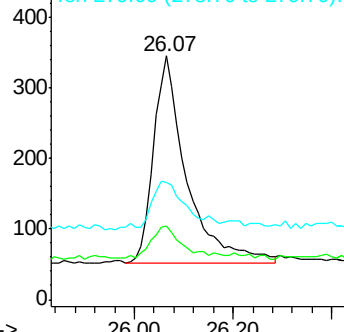
279 48.1 20.6 30.8#



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: 26.74 min Scan# 2735

Delta R.T. -0.00 min

Lab File: BM000142.D

Acq: 08 Jan 2015 00:07

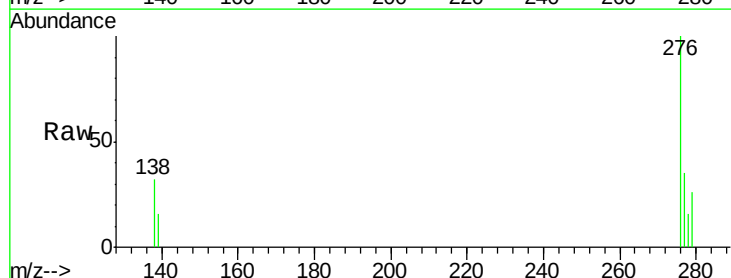
Tgt Ion:276 Resp: 1616

Ion Ratio Lower Upper

276 100

277 34.8 20.0 30.0#

138 31.6 15.7 23.5#



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

