

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
 Data File : BM000137.D
 Acq On : 07 Jan 2015 21:11
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SOIL-0.07PPM-SIM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-S

Quant Time: Jan 08 12:02:43 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	2851	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9342	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5479	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10158	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8423	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	7811	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4351	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7471	0.34	ng/ul	0.00

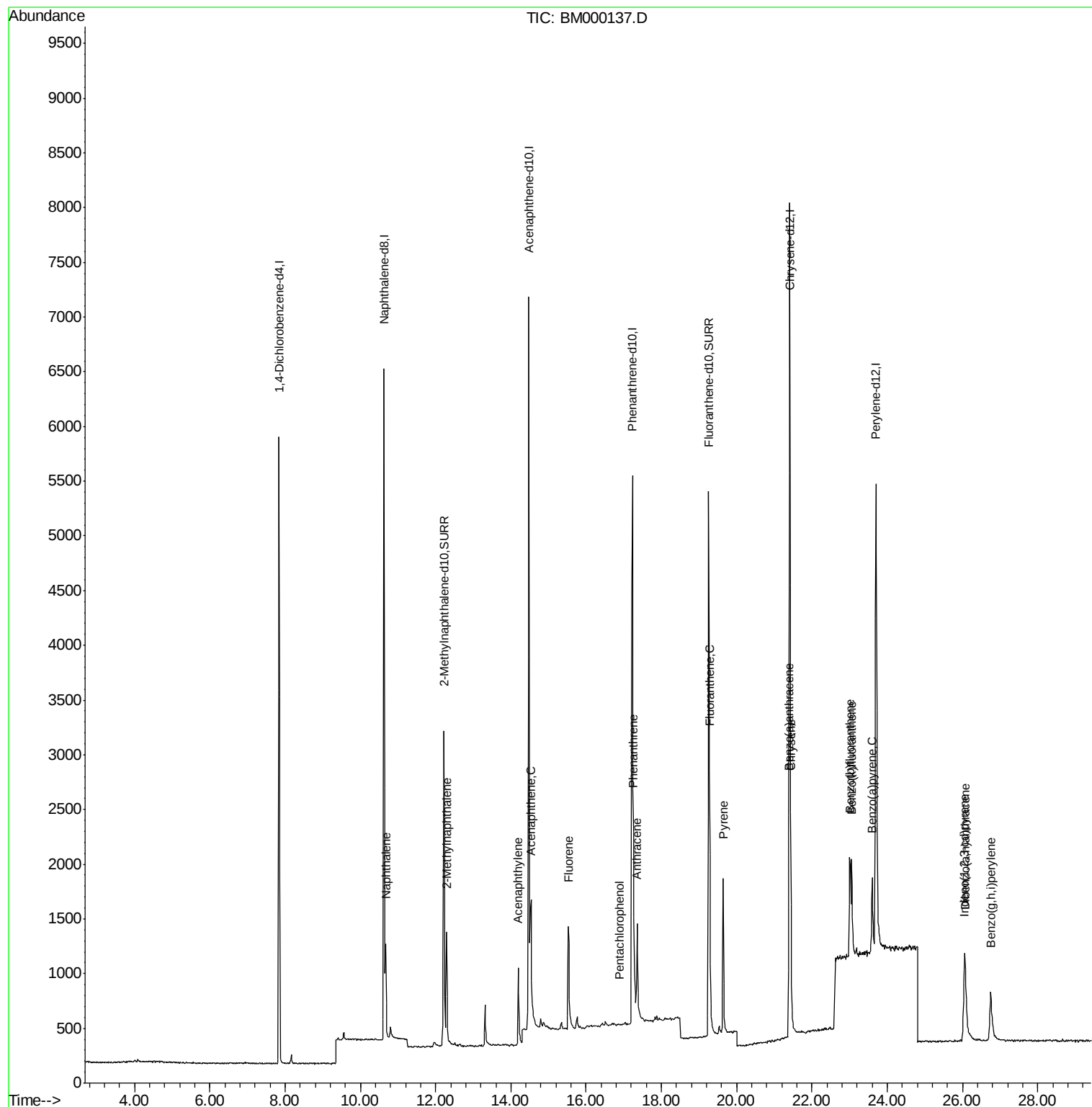
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	1310	0.05	ng/ul#	86
5) 2-Methylnaphthalene	12.30	142	849	0.05	ng/ul	97
7) Acenaphthylene	14.20	152	1323	0.05	ng/ul#	87
8) Acenaphthene	14.54	153	873	0.05	ng/ul	96
9) Fluorene	15.52	166	1034	0.05	ng/ul#	89
11) Pentachlorophenol	16.89	266	11	0.01	ng/ul#	41
12) Phenanthrene	17.26	178	1604	0.05	ng/ul#	87
13) Anthracene	17.35	178	1542	0.05	ng/ul#	81
15) Fluoranthene	19.27	202	1942	0.06	ng/ul	87
17) Pyrene	19.65	202	1949	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	1466	0.05	ng/ul#	90
19) Chrysene	21.44	228	1635	0.05	ng/ul	94
21) Benzo(b)fluoranthene	23.00	252	1627	0.05	ng/ul#	63
22) Benzo(k)fluoranthene	23.05	252	1579	0.05	ng/ul#	63
23) Benzo(a)pyrene	23.60	252	1413	0.05	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	26.05	276	1666	0.05	ng/ul	97
25) Dibenzo(a,h)anthracene	26.07	278	1323	0.05	ng/ul#	52
26) Benzo(g,h,i)perylene	26.74	276	1497	0.05	ng/ul#	75

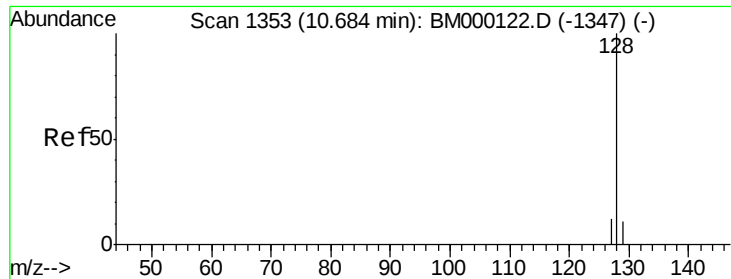
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

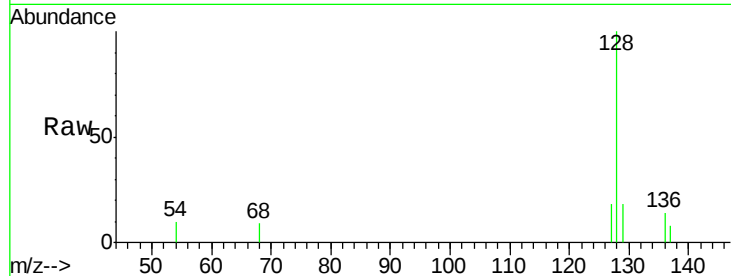
Tot Ion:128 Resp: 1310

Ion Ratio Lower Upper

128 100

129 18.2 9.5 14.3#

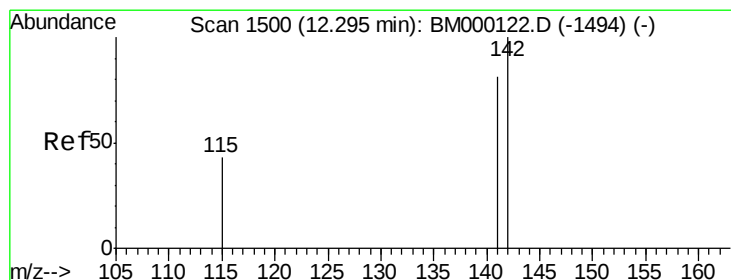
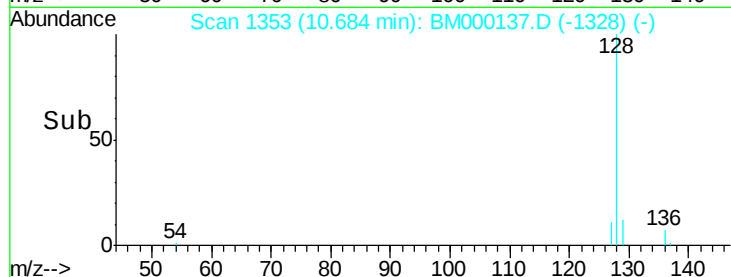
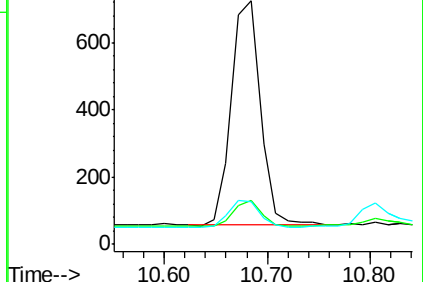
127 17.7 10.4 15.6#



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: 0.05 ng/ul

RT: 12.30 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000137.D

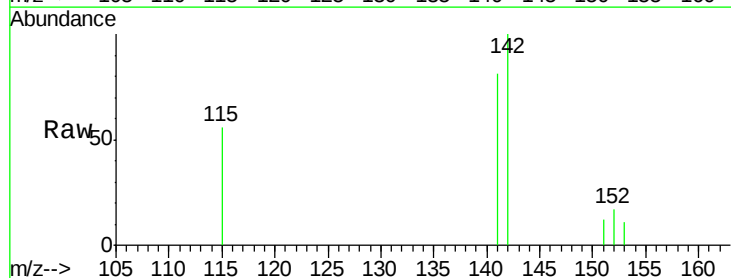
Acq: 07 Jan 2015 21:11

Tgt Ion:142 Resp: 849

Ion Ratio Lower Upper

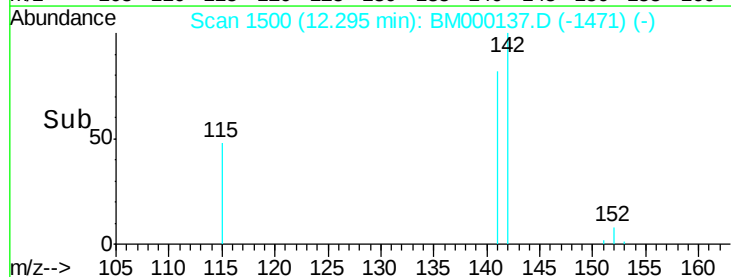
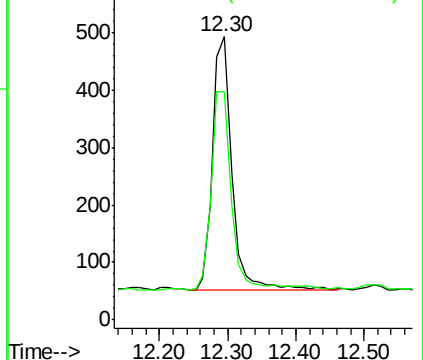
142 100

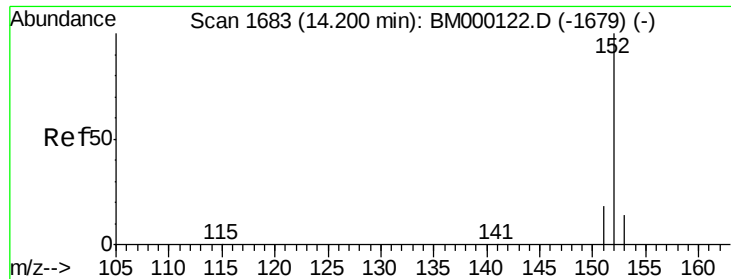
141 83.2 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

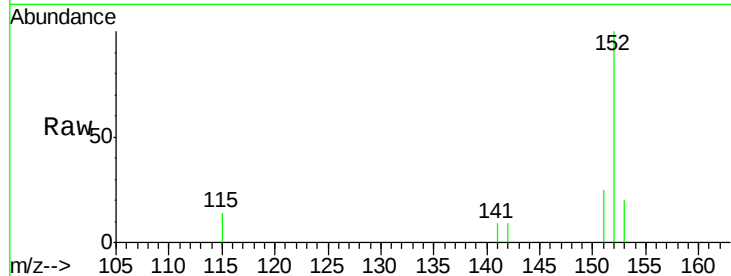
Tot Ion:152 Resp: 1323

Ion Ratio Lower Upper

152 100

151 24.8 15.4 23.2#

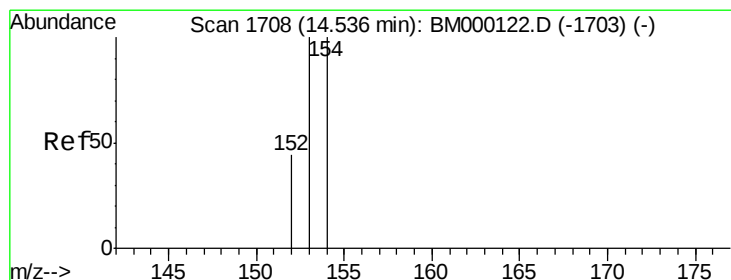
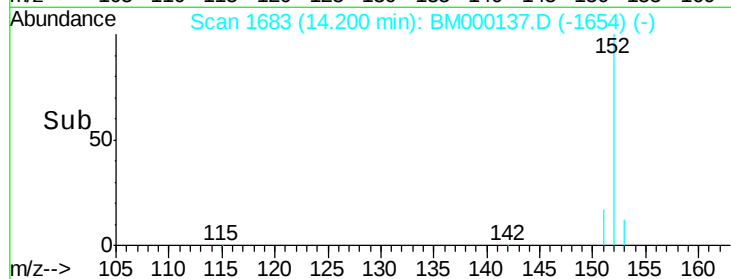
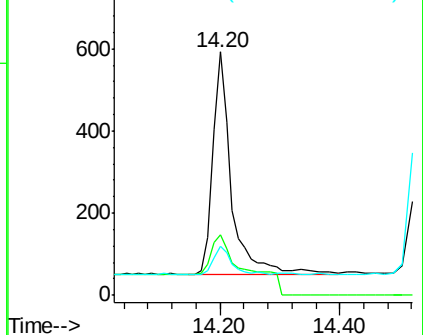
153 19.9 11.0 16.4#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

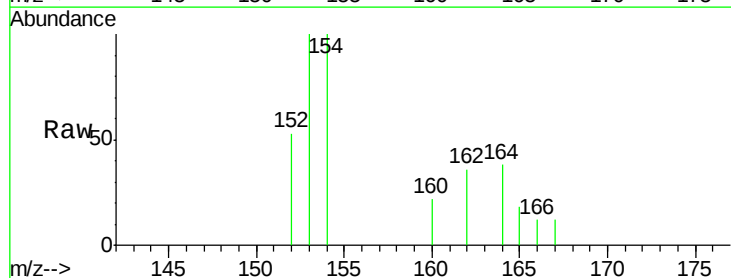
Tgt Ion:153 Resp: 873

Ion Ratio Lower Upper

153 100

152 53.2 35.8 53.6

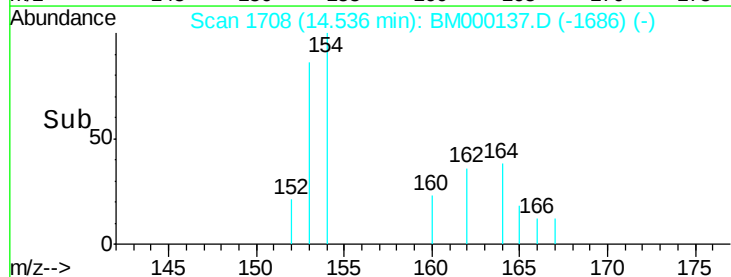
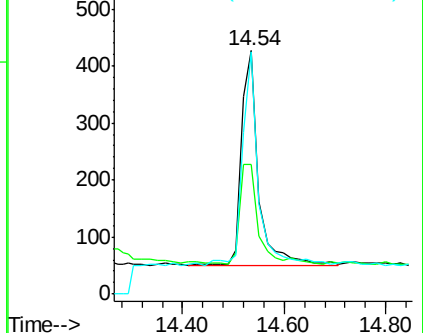
154 99.8 79.9 119.9

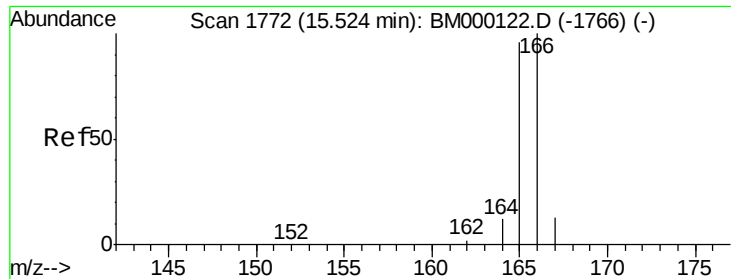


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

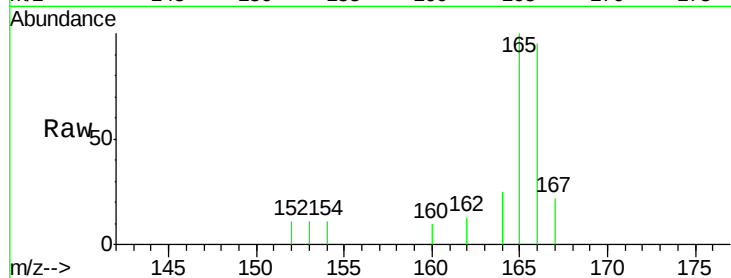
Tot Ion:166 Resp: 1034

Ion Ratio Lower Upper

166 100

165 104.8 77.0 115.4

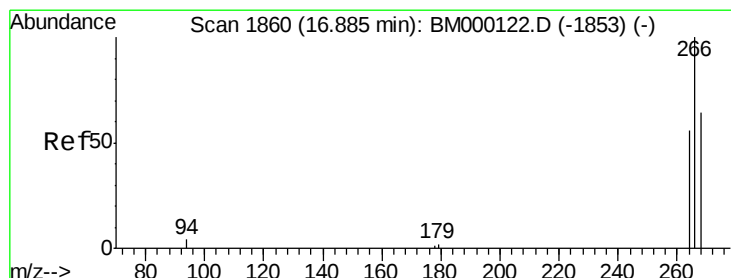
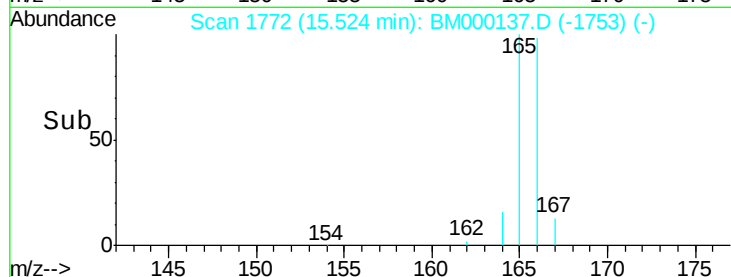
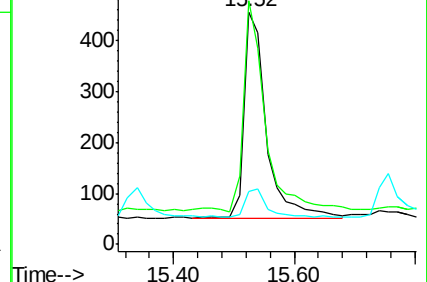
167 22.9 11.0 16.6#



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



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.89 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

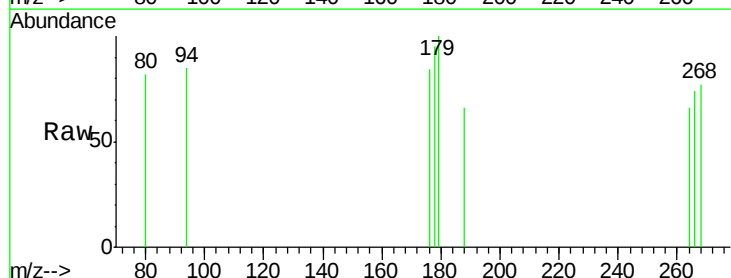
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 0.0 53.9 80.9#

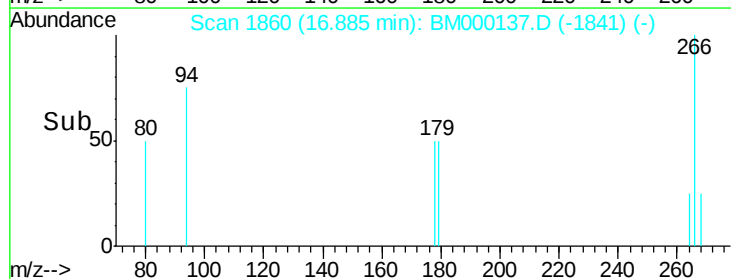
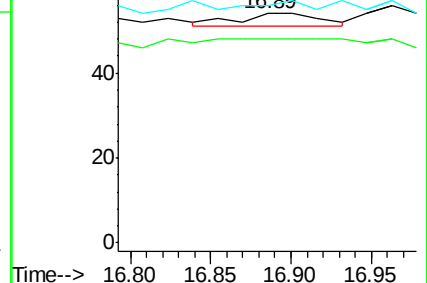
268 36.4 49.2 73.8#

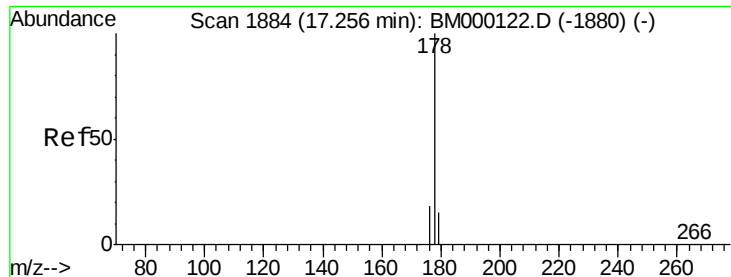


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

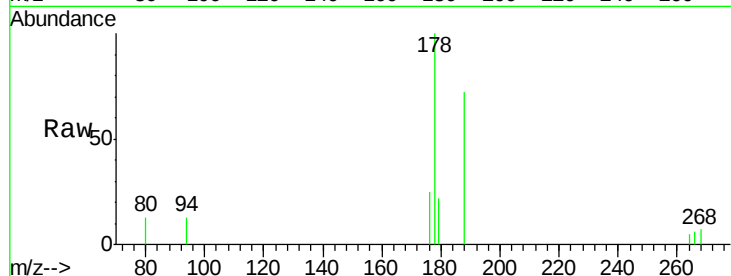
Tot Ion:178 Resp: 1604

Ion Ratio Lower Upper

178 100

176 25.0 15.1 22.7#

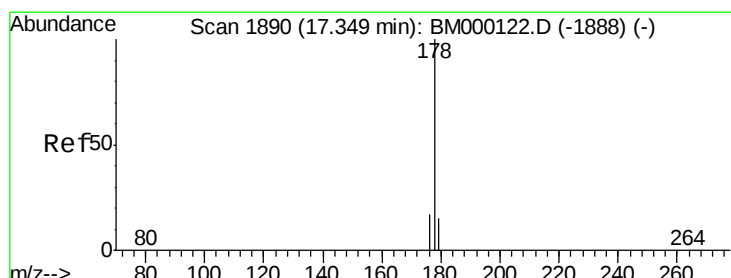
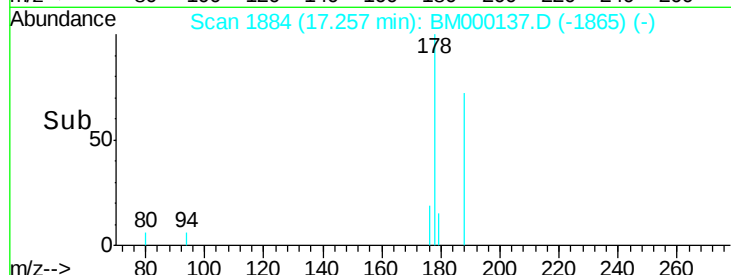
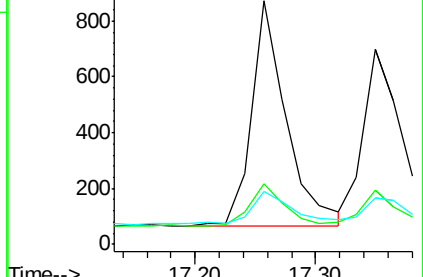
179 21.9 13.0 19.4#



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: BM000137.D

Acq: 07 Jan 2015 21:11

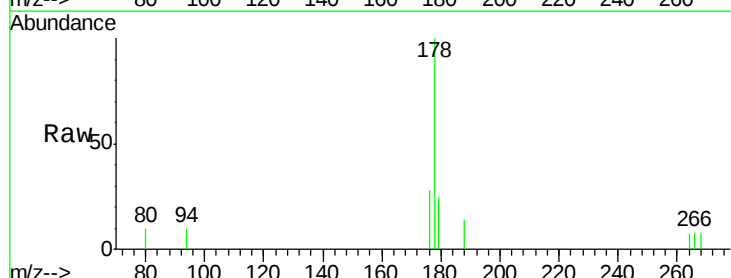
Tgt Ion:178 Resp: 1542

Ion Ratio Lower Upper

178 100

176 27.5 14.6 21.8#

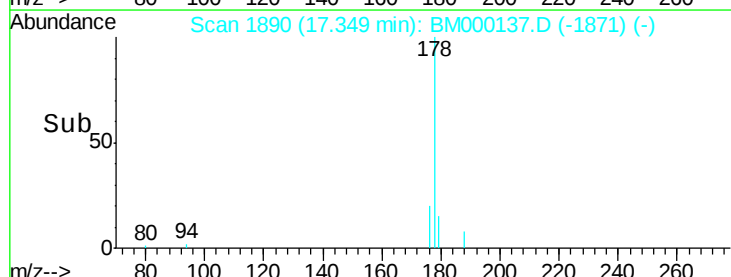
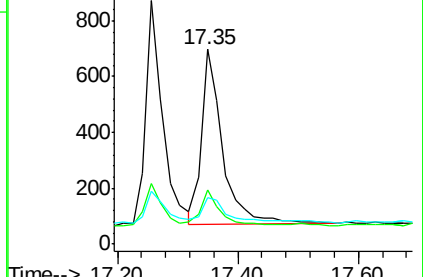
179 23.7 13.1 19.7#

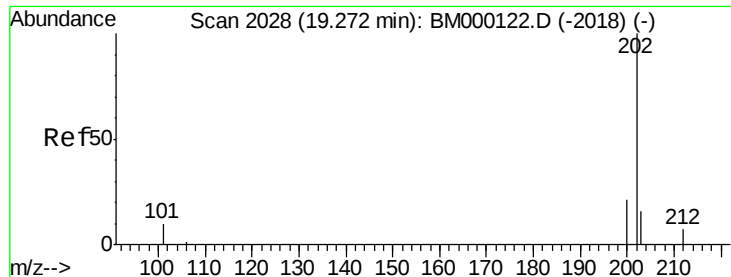


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

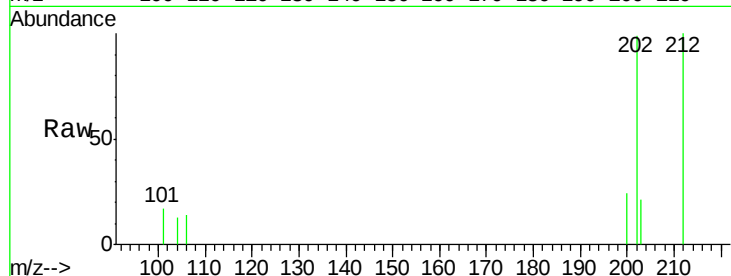
Tot Ion:202 Resp: 1942

Ion Ratio Lower Upper

202 100

101 17.0 0.0 30.5

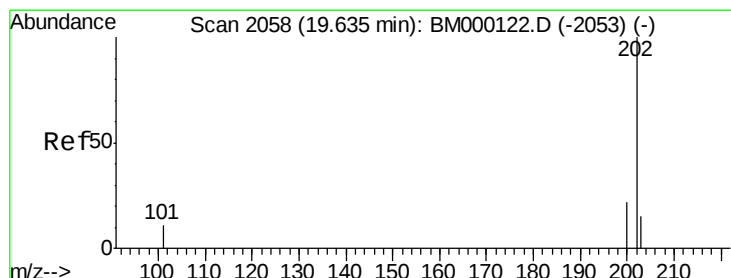
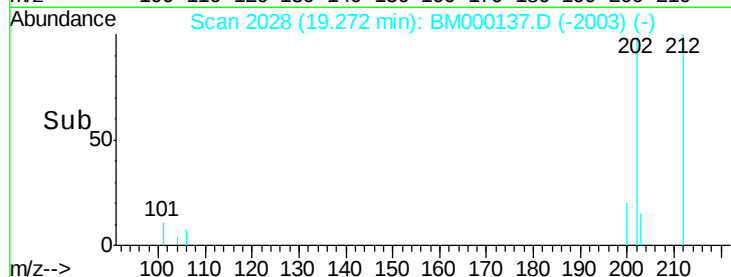
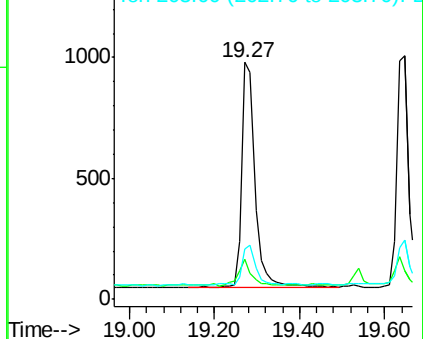
203 21.0 0.0 36.6



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: 19.65 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

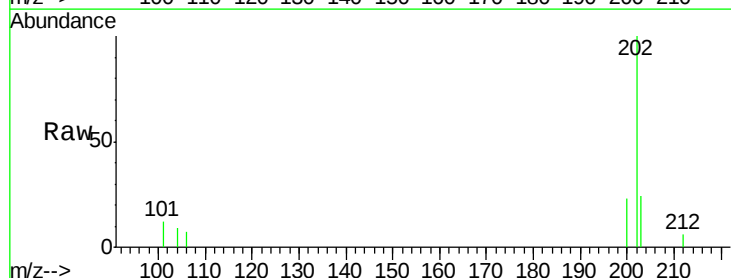
Tgt Ion:202 Resp: 1949

Ion Ratio Lower Upper

202 100

200 22.7 17.9 26.9

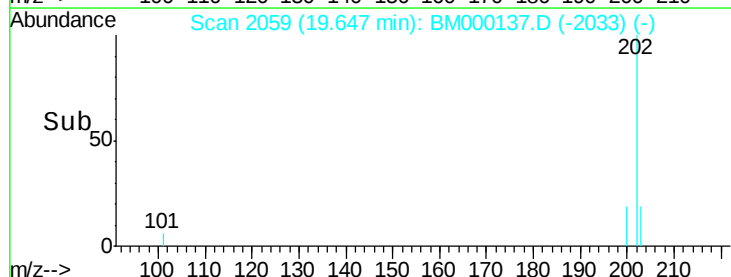
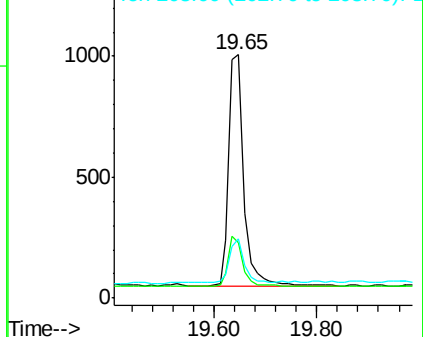
203 24.2 12.8 19.2#

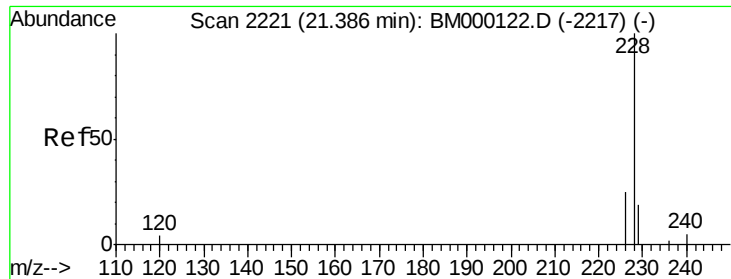


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampled :

MDL-02-S

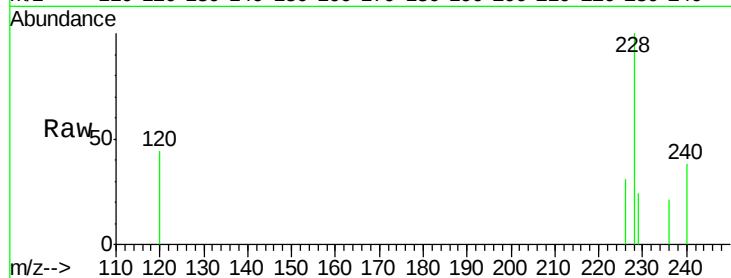
Tot Ion:228 Resp: 1466

Ion Ratio Lower Upper

228 100

226 30.8 20.8 31.2

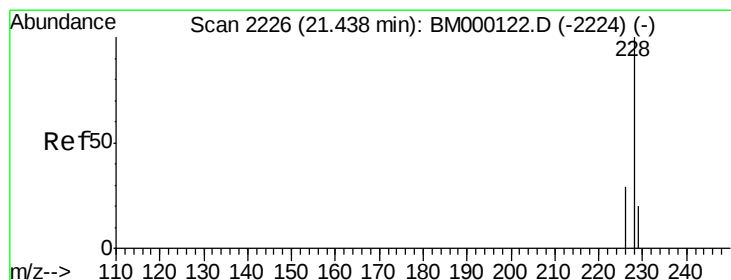
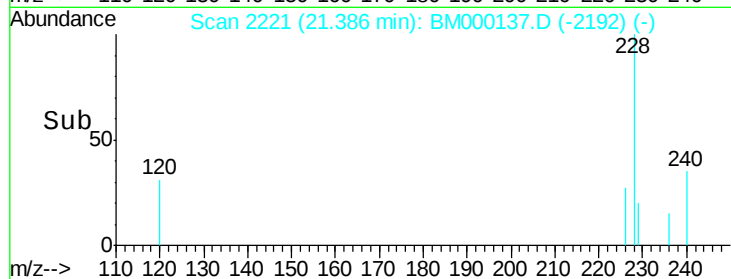
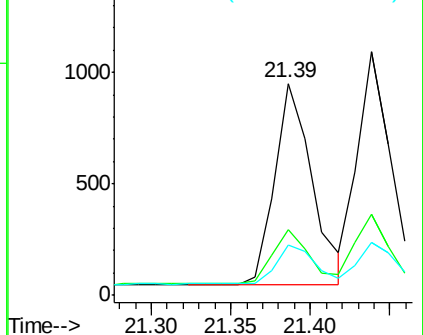
229 23.8 15.5 23.3#



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: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

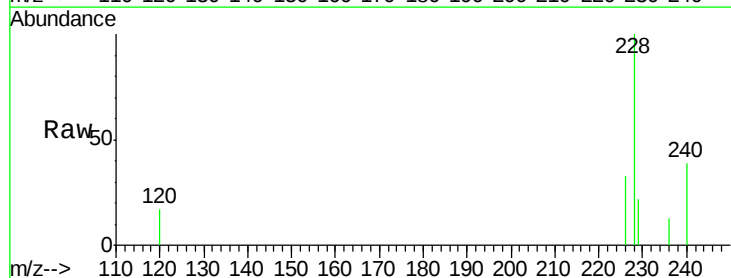
Tgt Ion:228 Resp: 1635

Ion Ratio Lower Upper

228 100

226 33.2 23.8 35.6

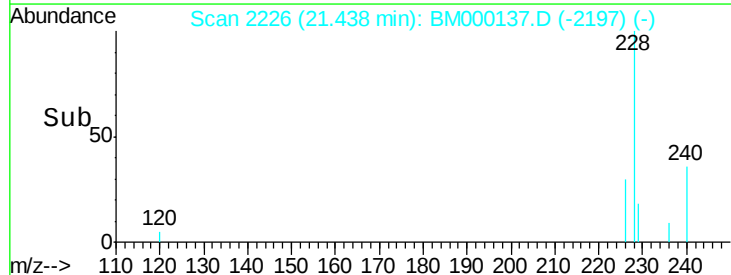
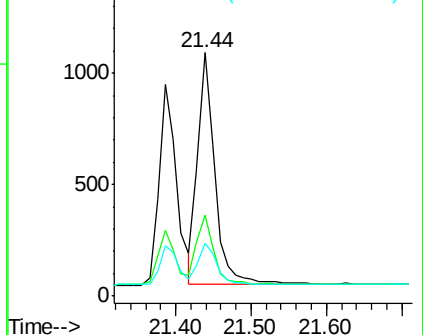
229 21.8 15.8 23.8

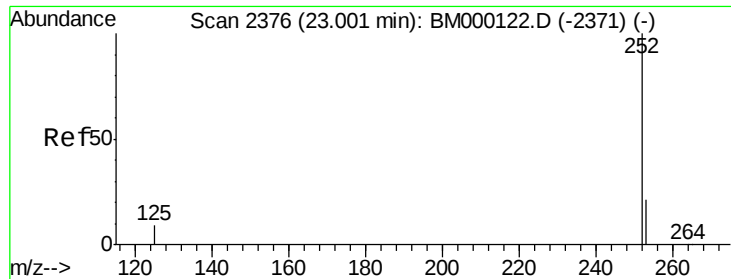


Abundance Ion 228.00 (227.70 to 228.70): E

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/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

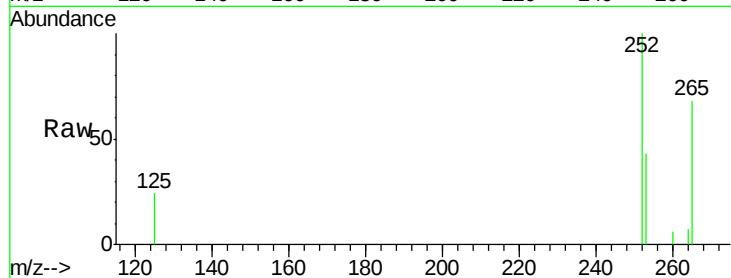
Tot Ion:252 Resp: 1627

Ion Ratio Lower Upper

252 100

253 42.9 0.0 48.2

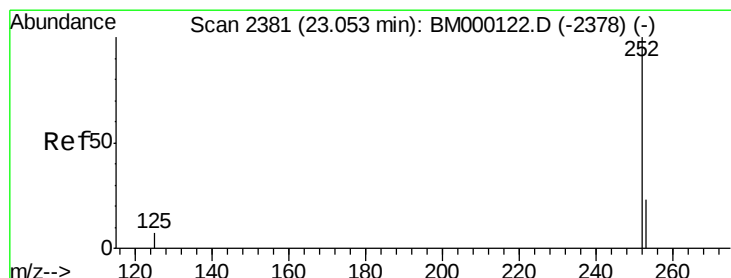
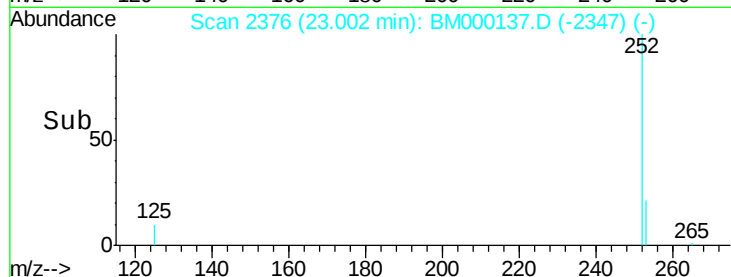
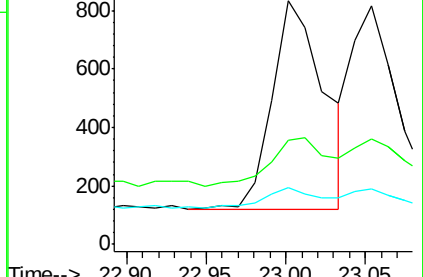
125 23.5 0.0 21.6#



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: 0.05 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

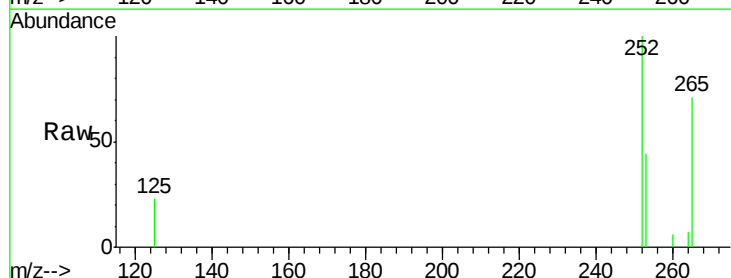
Tgt Ion:252 Resp: 1579

Ion Ratio Lower Upper

252 100

253 44.2 20.5 30.7#

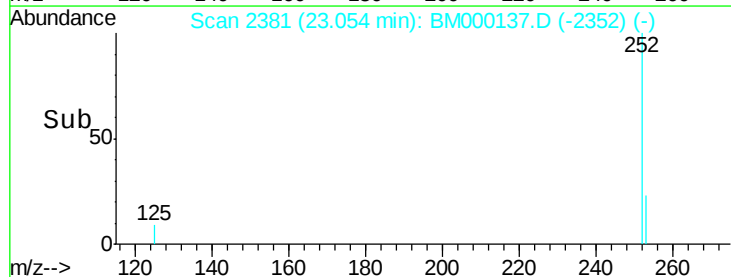
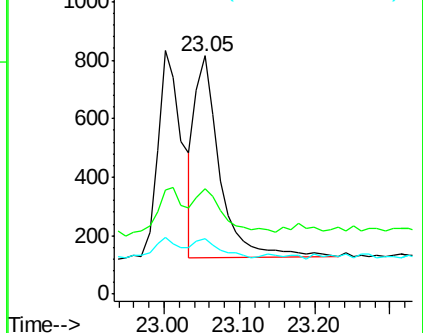
125 23.1 7.8 11.8#

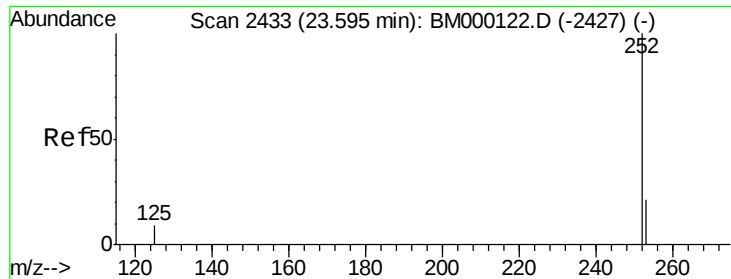


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000137.D

Acq: 07 Jan 2015 21:11

Instrument :

BNA_M

ClientSampleId :

MDL-02-S

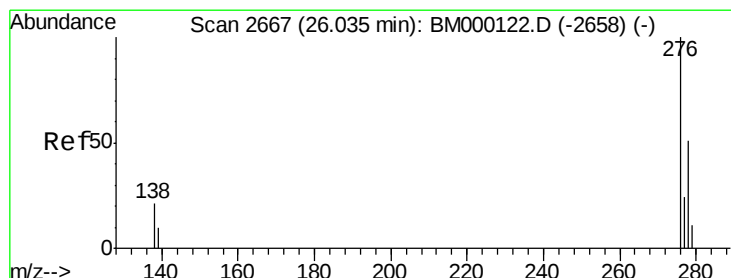
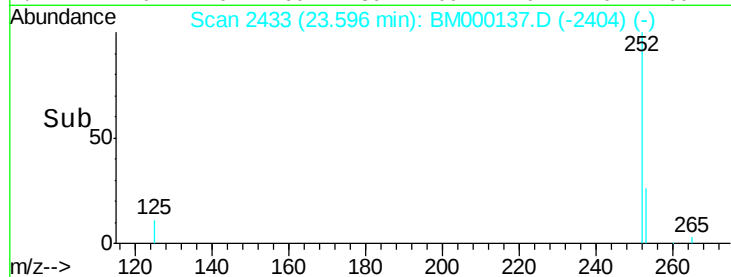
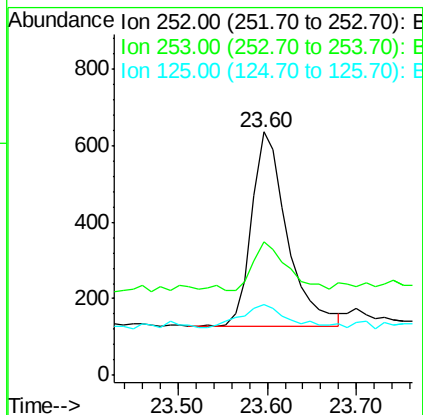
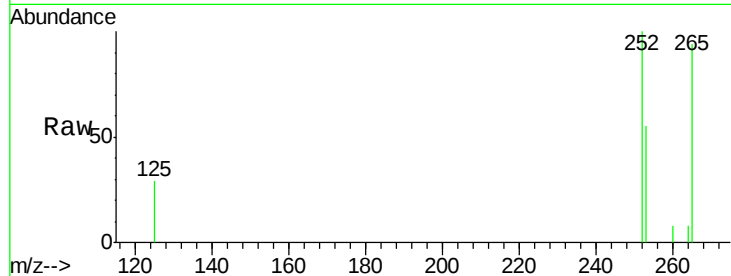
Tot Ion:252 Resp: 1413

Ion Ratio Lower Upper

252 100

253 54.9 19.8 29.6#

125 28.9 9.2 13.8#



#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: BM000137.D

Acq: 07 Jan 2015 21:11

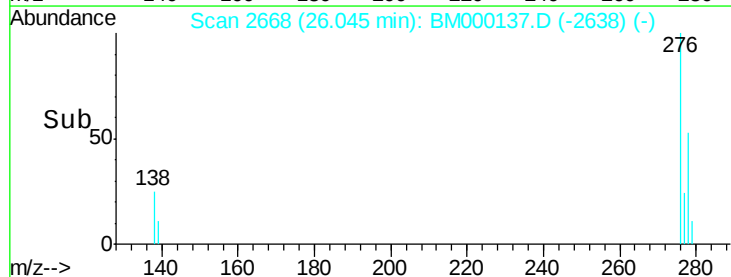
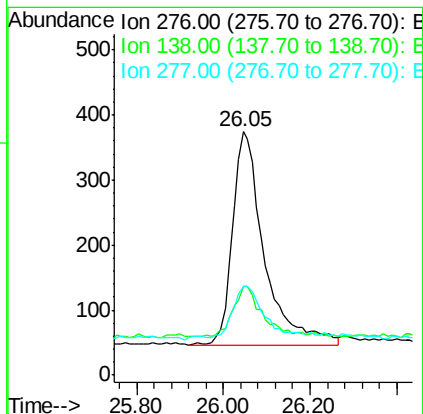
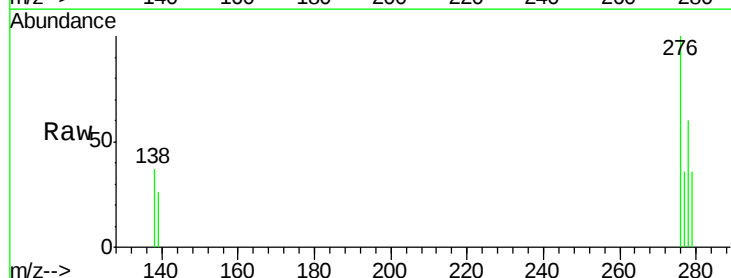
Tgt Ion:276 Resp: 1666

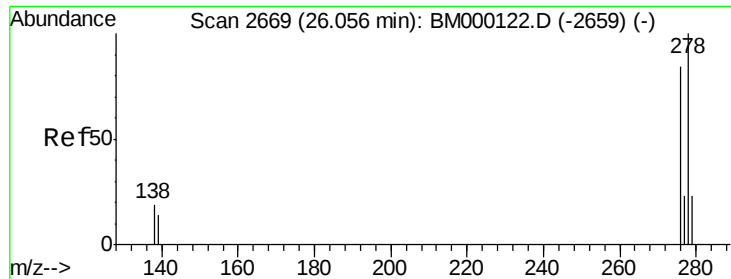
Ion Ratio Lower Upper

276 100

138 23.5 17.6 26.4

277 23.9 19.9 29.9

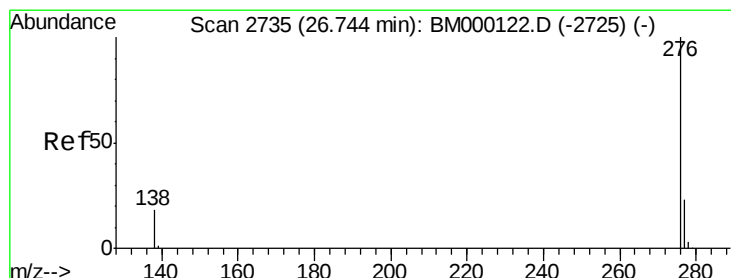
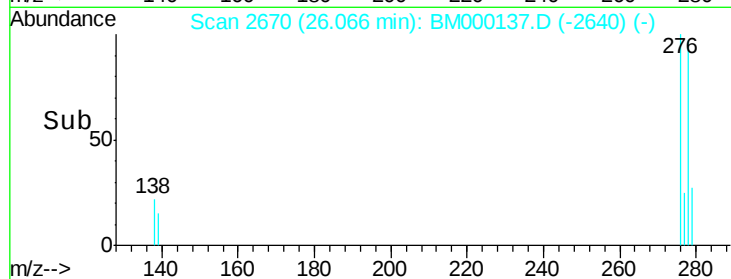
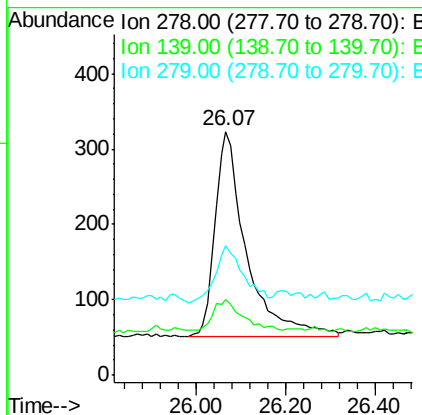
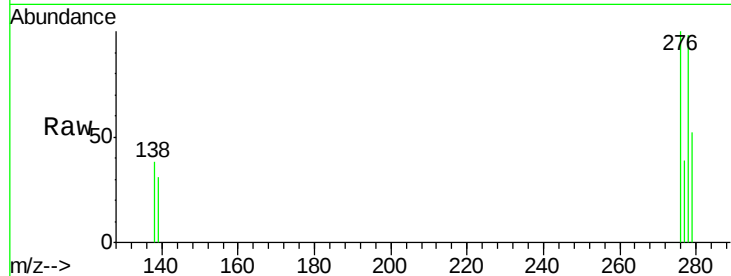




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000137.D
Acq: 07 Jan 2015 21:11

Instrument :
BNA_M
ClientSampleId :
MDL-02-S

Tot Ion:278 Resp: 1323
Ion Ratio Lower Upper
278 100
139 31.3 12.6 18.8#
279 53.3 20.6 30.8#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BM000137.D
Acq: 07 Jan 2015 21:11

Tgt Ion:276 Resp: 1497
Ion Ratio Lower Upper
276 100
277 35.7 20.0 30.0#
138 33.4 15.7 23.5#

