

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040815\
 Data File : BM000921.D
 Acq On : 09 Apr 2015 11:21
 Operator : TP/IZ
 Sample : G1764-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 YT-MW-01

Quant Time: Apr 09 12:16:13 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 04:17:30 2015
 Response via : Initial Calibration

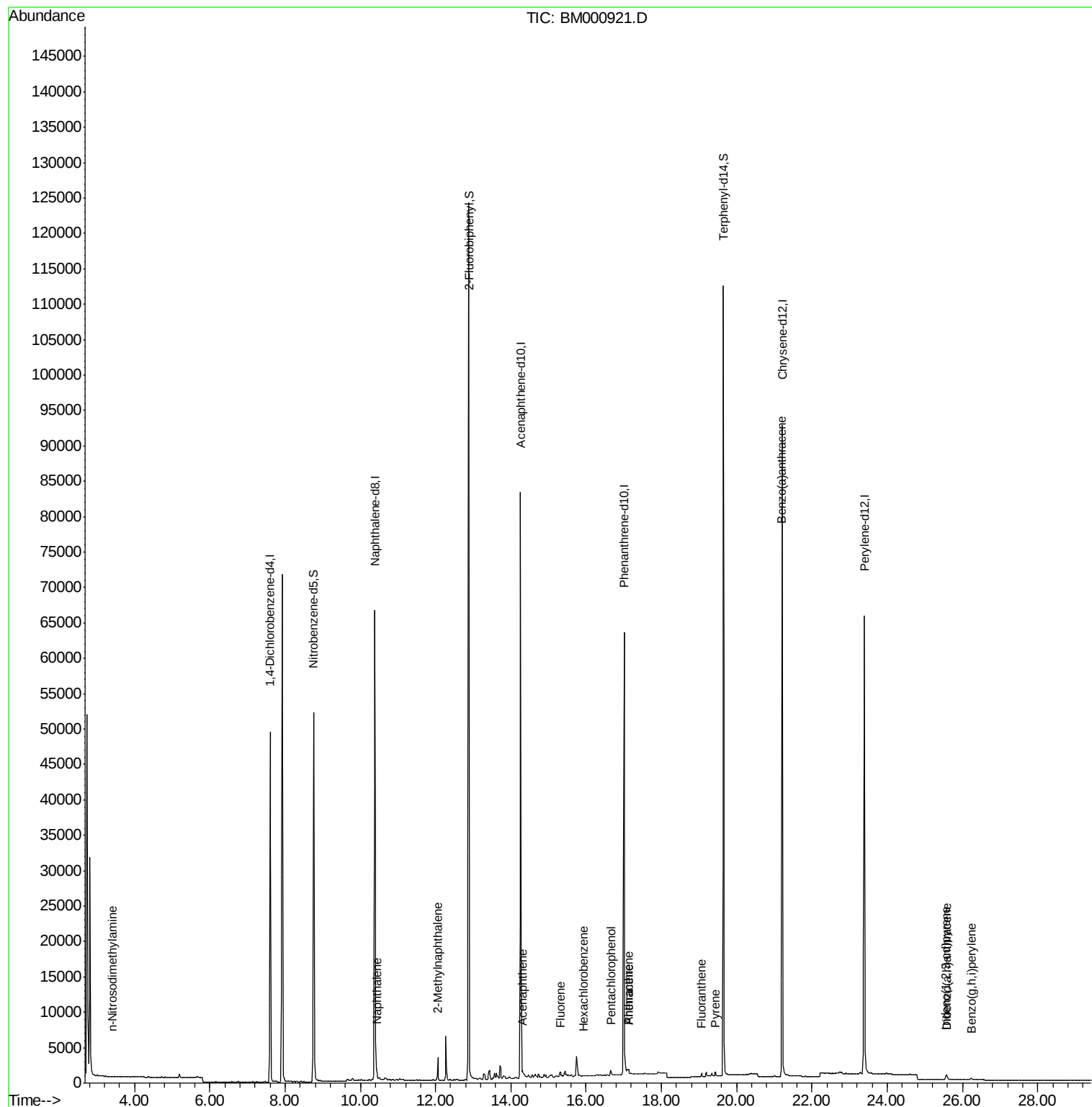
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	24996	5.00	ng	-0.01
4) Naphthalene-d8	10.39	136	88862	5.00	ng	-0.01
8) Acenaphthene-d10	14.26	164	46584	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	103332	5.00	ng	0.00
19) Chrysene-d12	21.21	240	90868	5.00	ng	0.00
25) Perylene-d12	23.39	264	83559	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	43999	8.06	ng	-0.01
9) 2-Fluorobiphenyl	12.88	172	131611	9.11	ng	-0.01
21) Terphenyl-d14	19.65	244	114490	10.47	ng	-0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.42	42	40	0.17	ng	# 1
6) Naphthalene	10.44	128	1537	0.07	ng	# 73
7) 2-Methylnaphthalene	12.06	142	2451	0.19	ng	97
11) Acenaphthene	14.31	154	481	0.03	ng	# 81
12) Fluorene	15.32	166	692	0.04	ng	# 81
14) Hexachlorobenzene	15.92	284	379	0.06	ng	# 1
15) Pentachlorophenol	16.66	266	772	0.84	ng	96
16) Phenanthrene	17.13	178	681	0.02	ng	96
17) Anthracene	17.13	178	681	0.03	ng	# 93
18) Fluoranthene	19.08	202	642	0.02	ng	# 87
20) Pyrene	19.44	202	643	0.02	ng	# 85
22) Benzo(a)anthracene	21.20	228	585	0.02	ng	# 45
24) Indeno(1,2,3-cd)pyrene	25.57	276	832	0.03	ng	93
29) Dibenzo(a,h)anthracene	25.58	278	883	0.04	ng	# 39
30) Benzo(g,h,i)perylene	26.24	276	517	0.02	ng	# 50

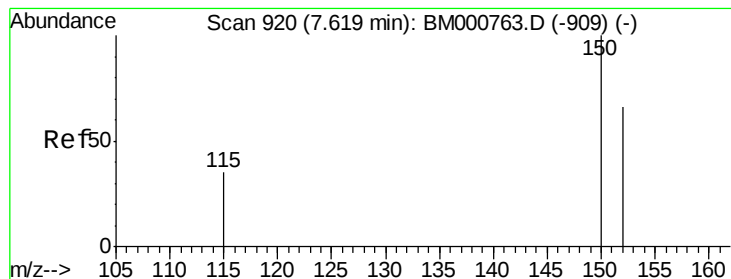
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 12:16:13 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 918

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

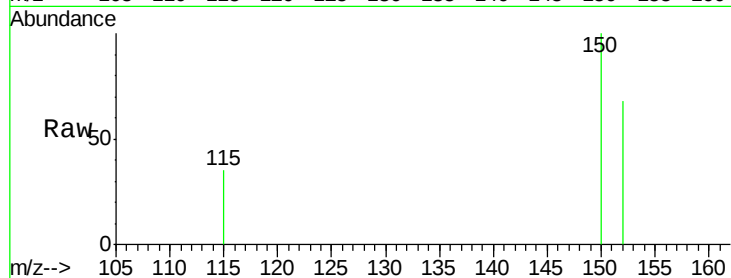
Tgt Ion: 152 Resp: 24996

Ion Ratio Lower Upper

152 100

150 146.4 120.8 181.2

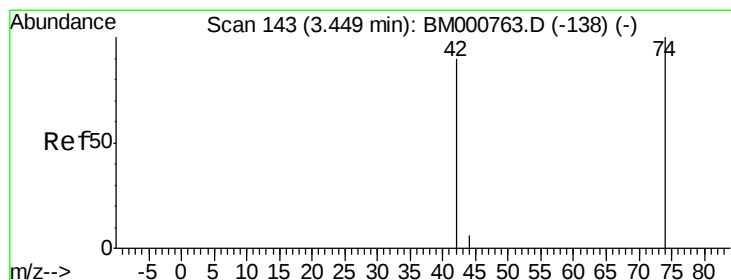
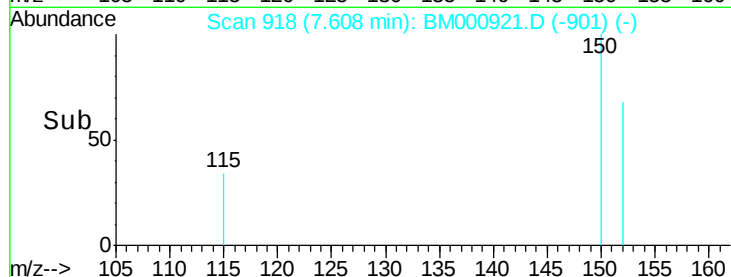
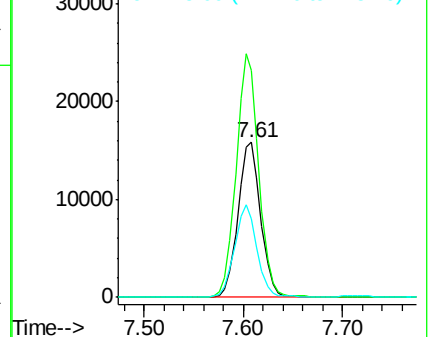
115 50.9 42.7 64.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 3.42 min Scan# 137

Delta R.T. -0.03 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

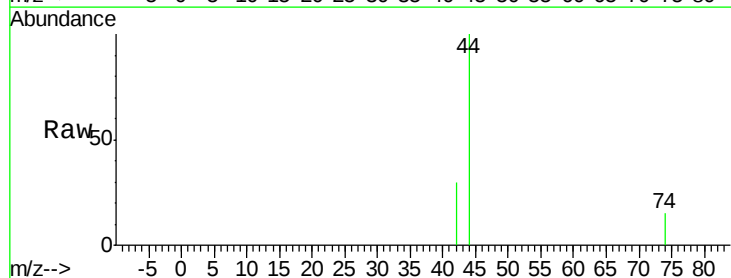
Tgt Ion: 42 Resp: 40

Ion Ratio Lower Upper

42 100

74 0.0 93.6 140.4#

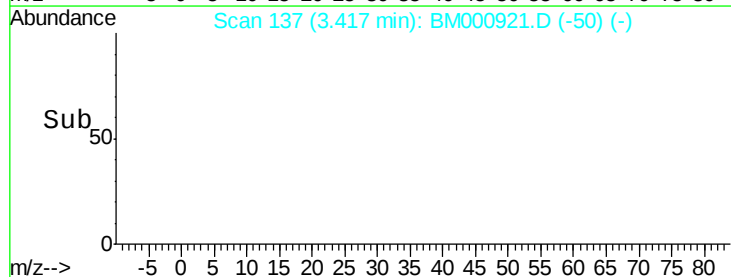
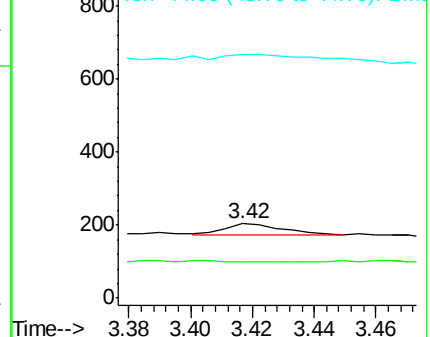
44 0.0 6.3 9.5#

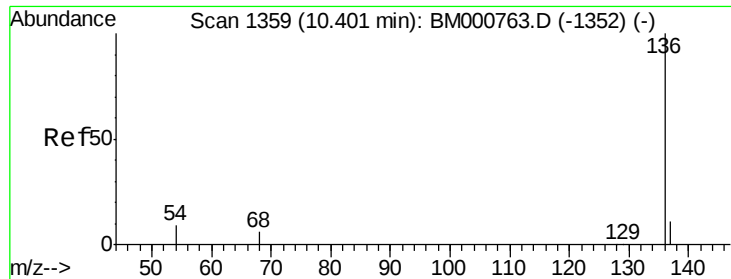


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

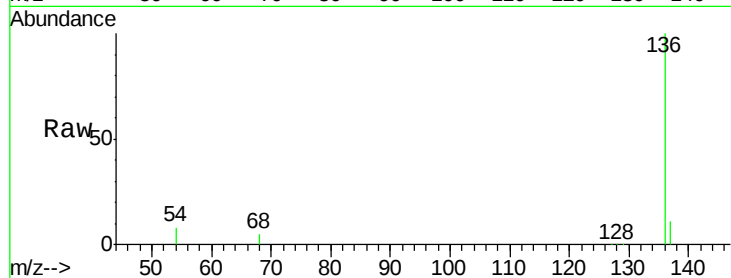
Tgt Ion: 136 Resp: 88862

Ion Ratio Lower Upper

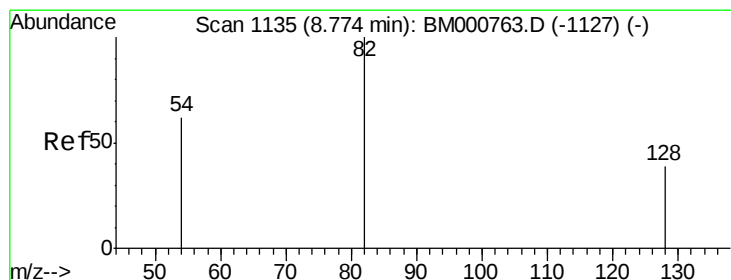
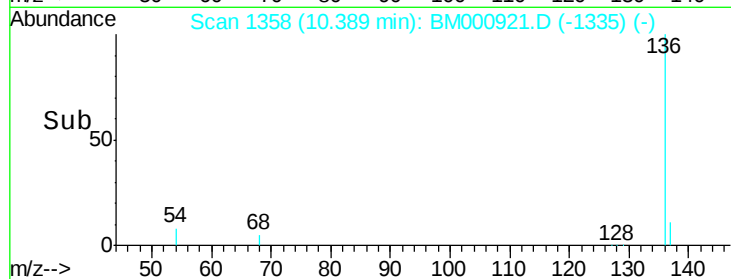
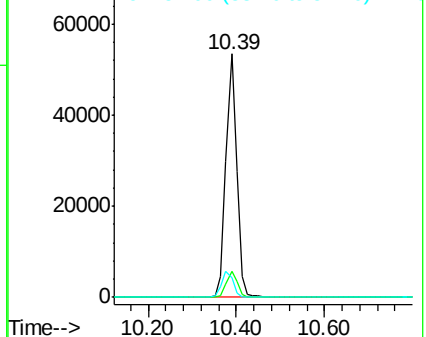
136 100

137 10.7 8.6 12.8

54 8.2 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 8.06 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

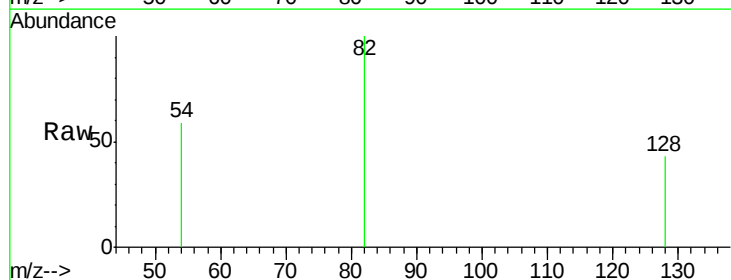
Tgt Ion: 82 Resp: 43999

Ion Ratio Lower Upper

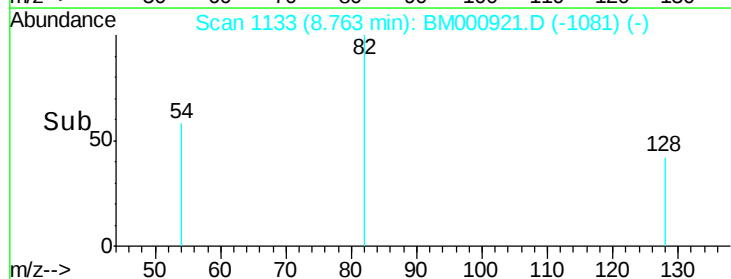
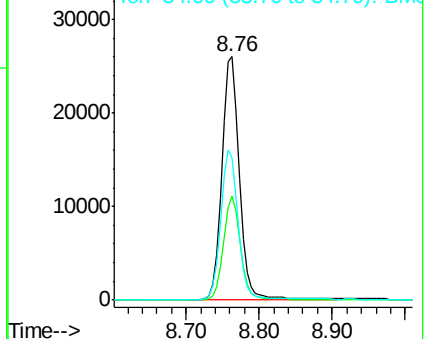
82 100

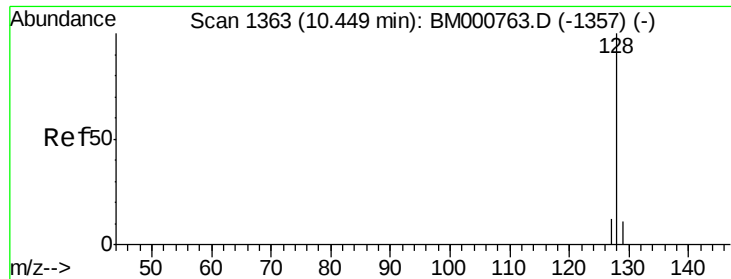
128 42.5 32.2 48.2

54 58.6 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 0.07 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

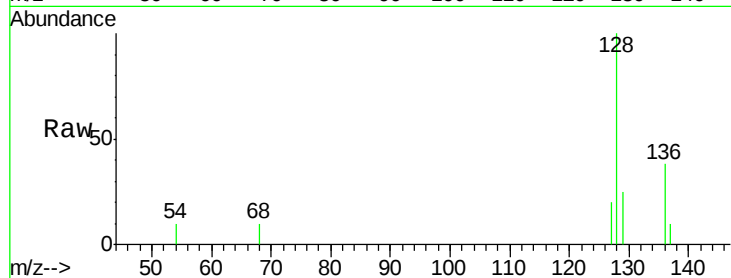
Tgt Ion:128 Resp: 1537

Ion Ratio Lower Upper

128 100

129 24.6 8.9 13.3#

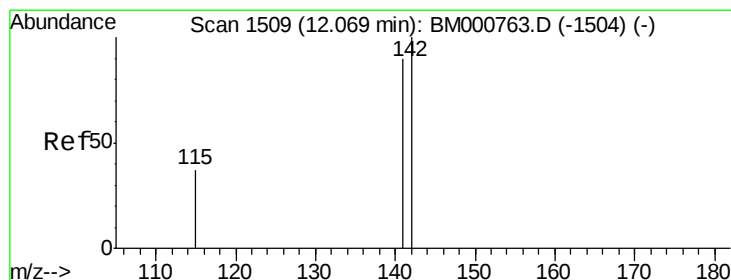
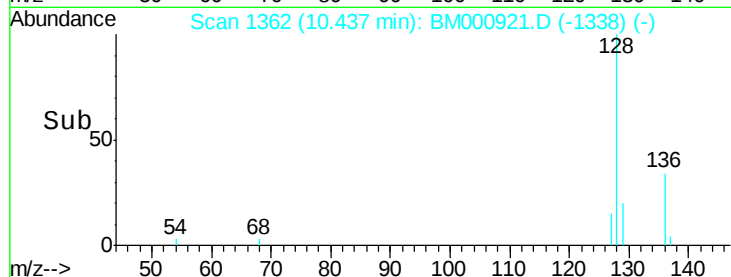
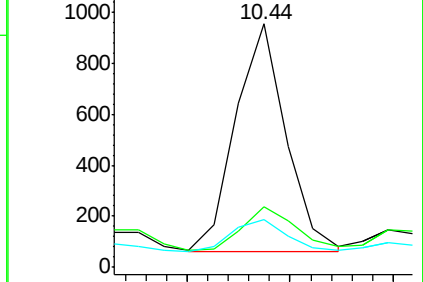
127 19.8 10.0 15.0#



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



#7

2-Methylnaphthalene

Concen: 0.19 ng

RT: 12.06 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

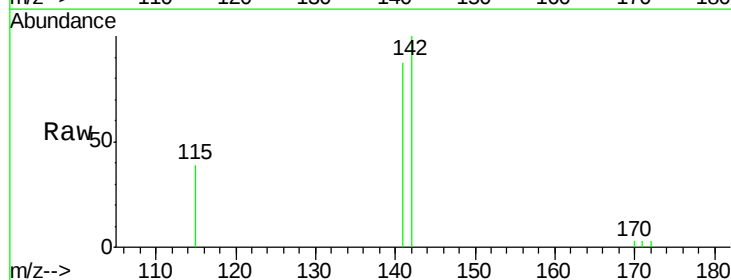
Tgt Ion:142 Resp: 2451

Ion Ratio Lower Upper

142 100

141 87.3 72.3 108.5

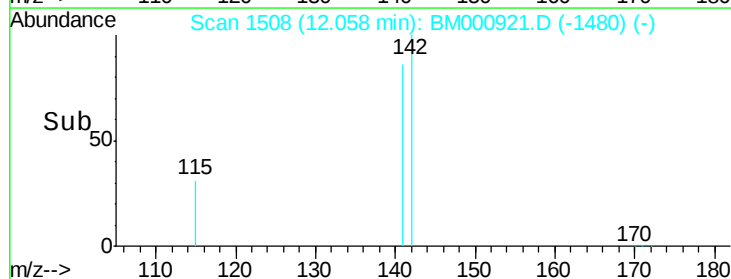
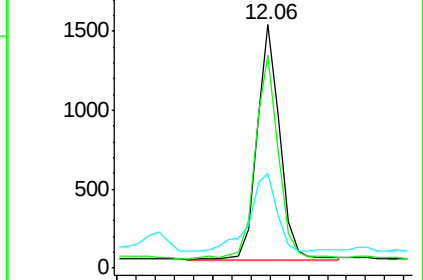
115 39.0 29.5 44.3

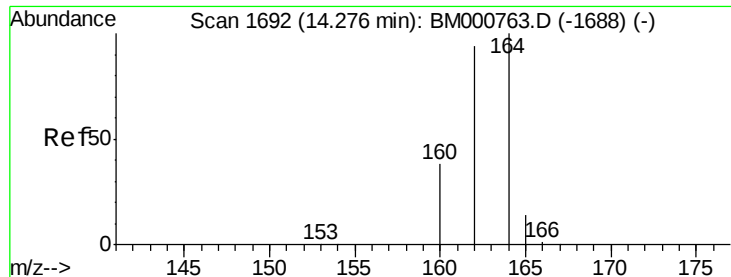


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

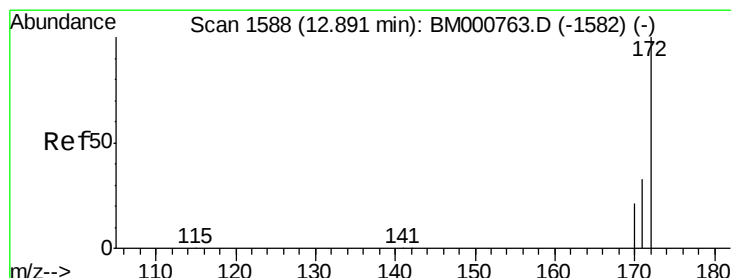
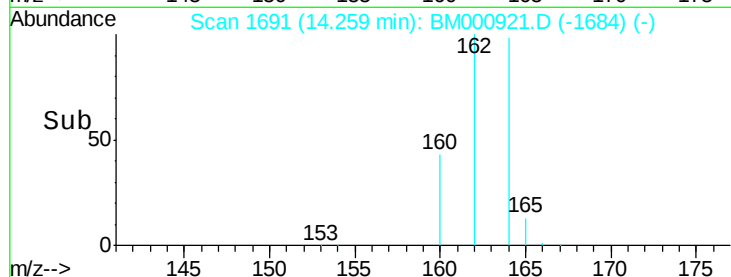
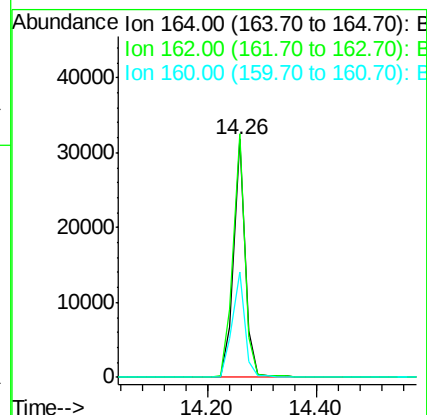
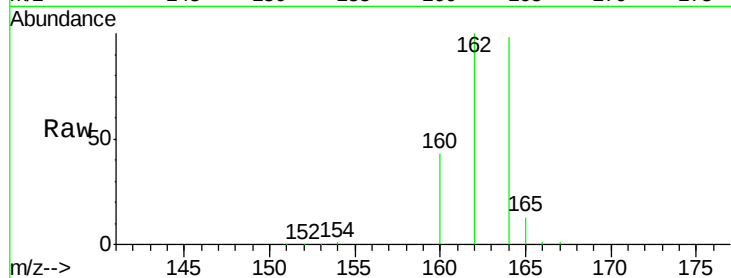
Tgt Ion:164 Resp: 46584

Ion Ratio Lower Upper

164 100

162 102.3 75.4 113.2

160 44.0 30.8 46.2



#9

2-Fluorobiphenyl

Concen: 9.11 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

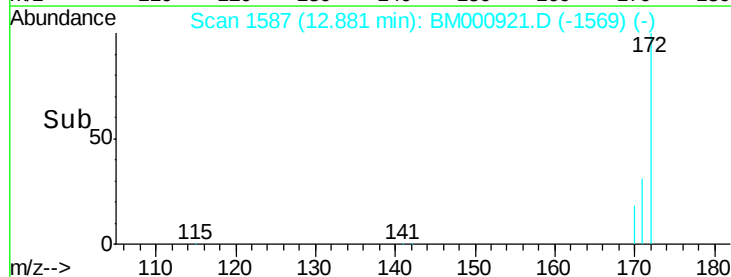
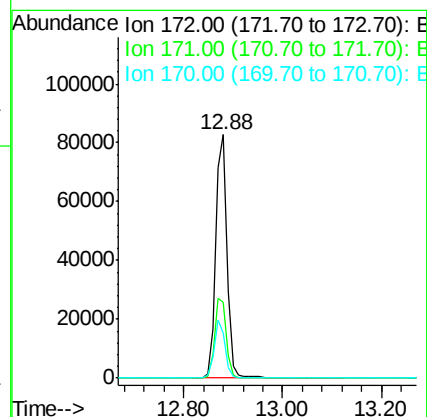
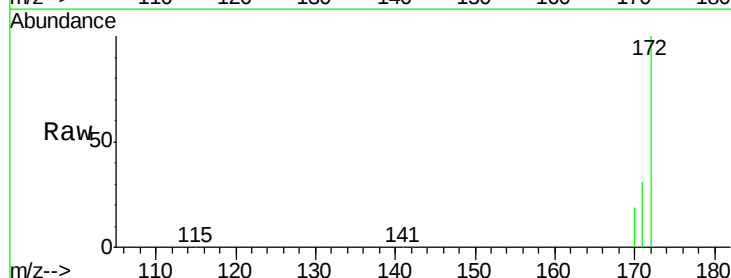
Tgt Ion:172 Resp: 131611

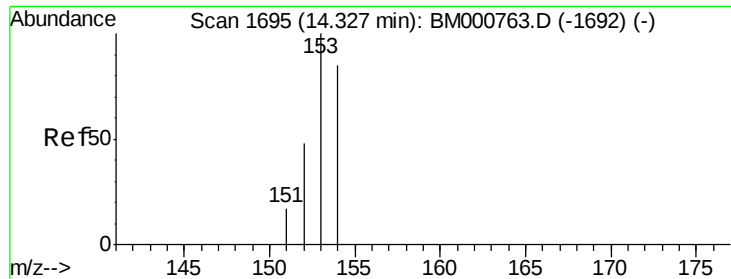
Ion Ratio Lower Upper

172 100

171 31.1 26.6 39.8

170 18.5 17.1 25.7





#11

Acenaphthene

Concen: 0.03 ng

RT: 14.31 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

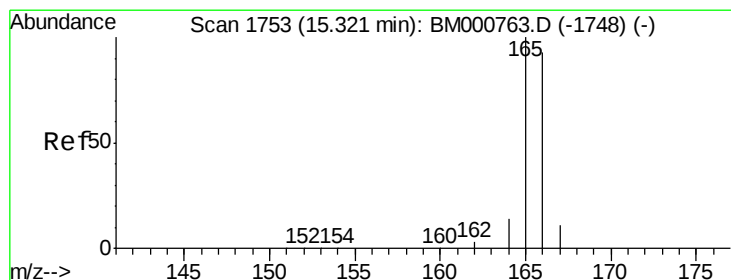
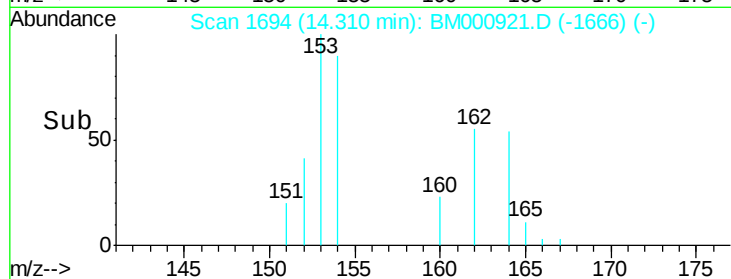
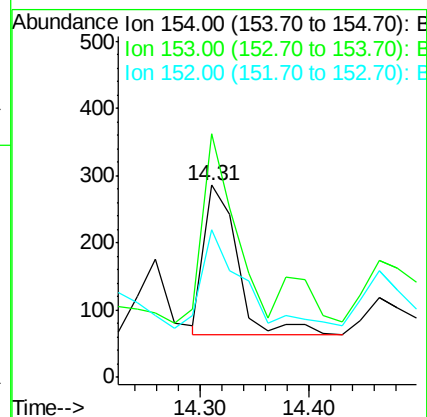
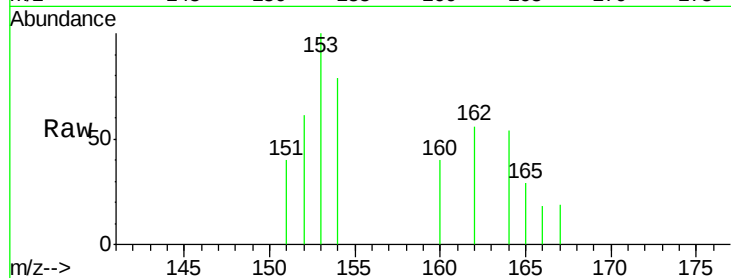
Tgt Ion:154 Resp: 481

Ion Ratio Lower Upper

154 100

153 119.1 87.3 130.9

152 80.9 43.0 64.6#



#12

Fluorene

Concen: 0.04 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

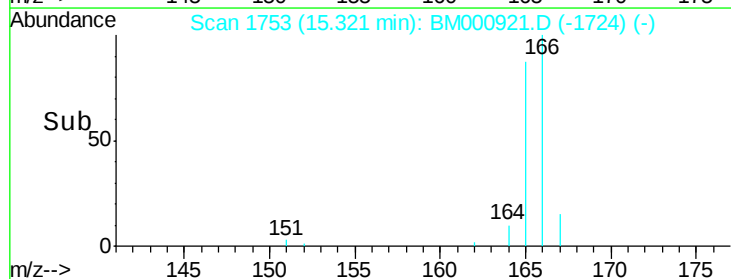
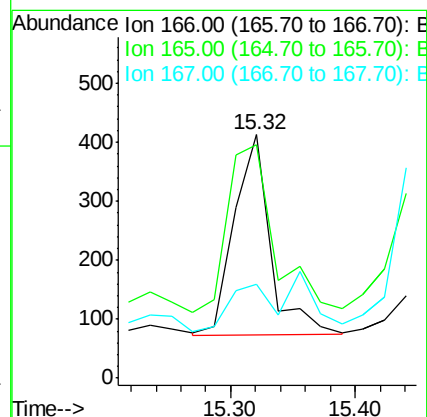
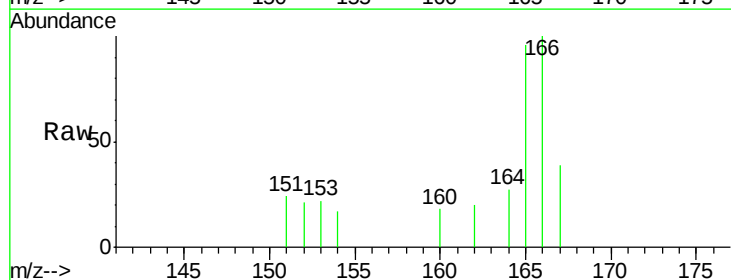
Tgt Ion:166 Resp: 692

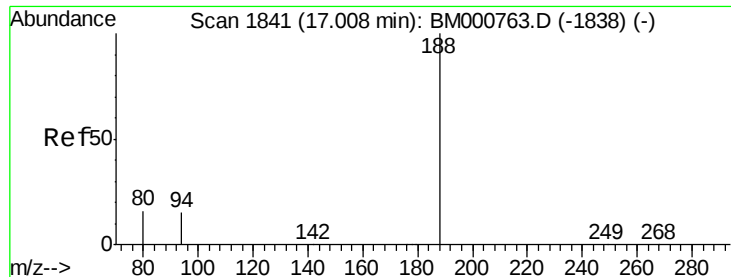
Ion Ratio Lower Upper

166 100

165 114.3 78.2 117.2

167 27.9 10.7 16.1#

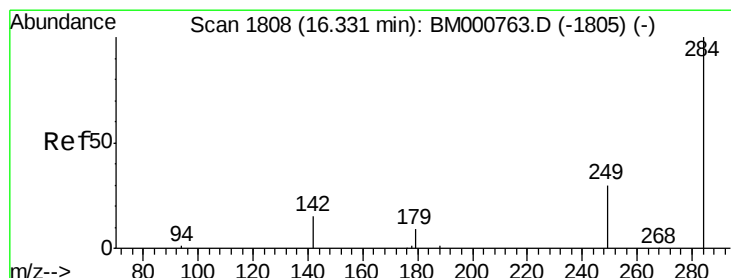
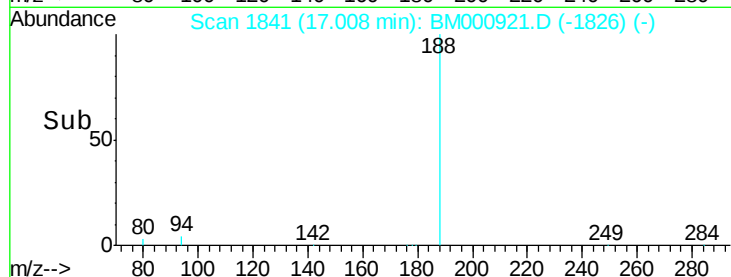
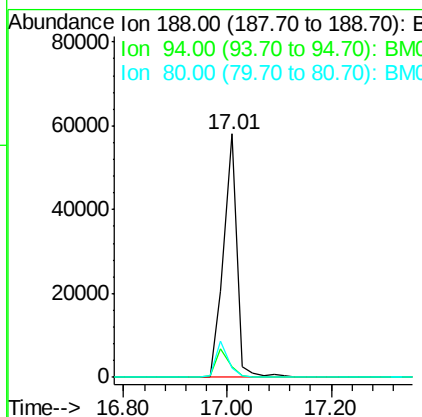
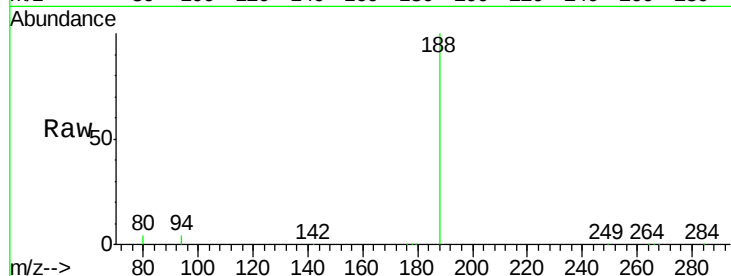




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BM000921.D
Acq: 09 Apr 2015 11:21

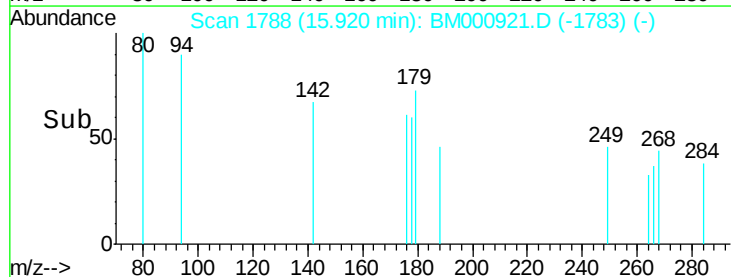
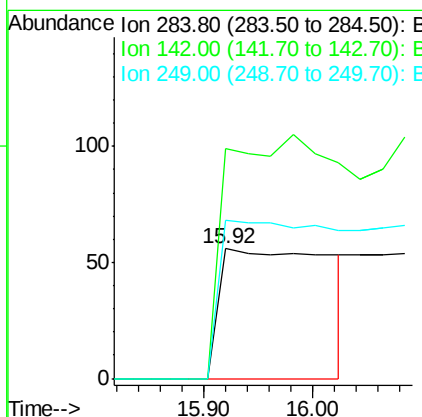
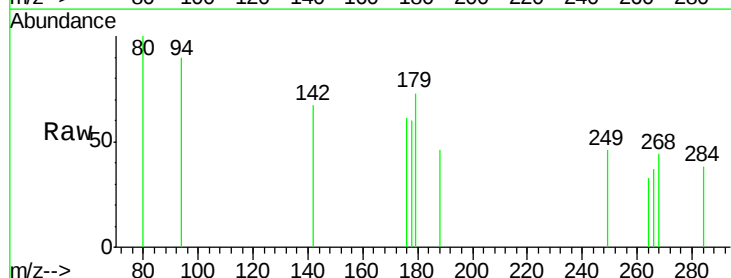
Instrument :
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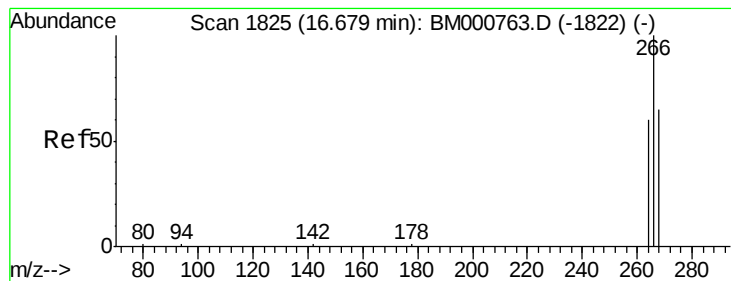
Tgt Ion:188 Resp: 103332
Ion Ratio Lower Upper
188 100
94 4.3 12.0 18.0#
80 3.7 12.8 19.2#



#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 15.92 min Scan# 1788
Delta R.T. -0.41 min
Lab File: BM000921.D
Acq: 09 Apr 2015 11:21

Tgt Ion:284 Resp: 379
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 123.0 25.2 37.8#





#15

Pentachlorophenol

Concen: 0.84 ng

RT: 16.66 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

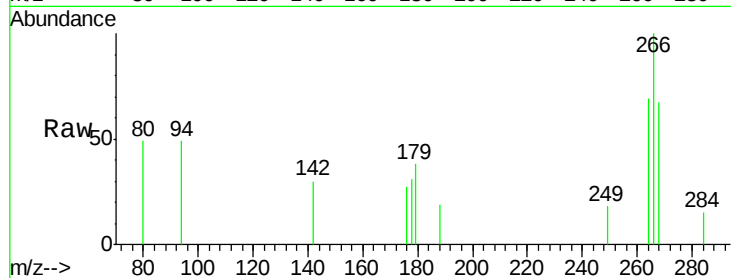
Tgt Ion:266 Resp: 772

Ion Ratio Lower Upper

266 100

268 67.3 55.0 82.6

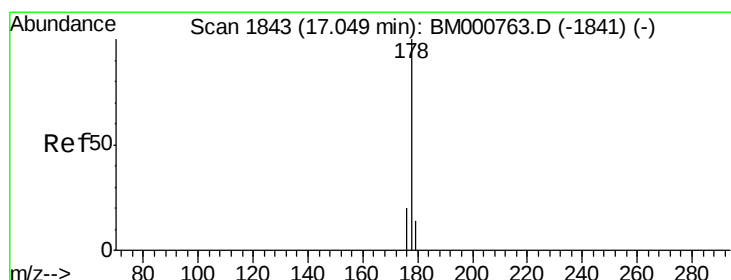
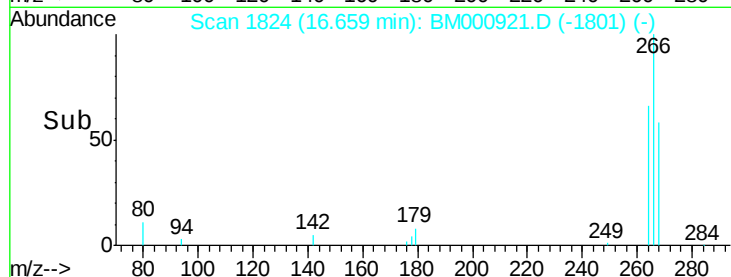
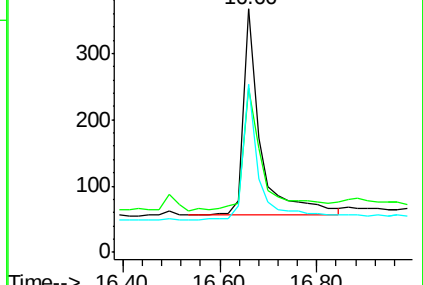
264 69.2 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16

Phenanthrene

Concen: 0.02 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.08 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

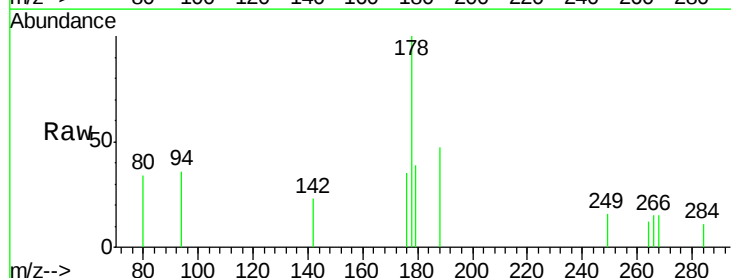
Tgt Ion:178 Resp: 681

Ion Ratio Lower Upper

178 100

176 16.7 15.3 22.9

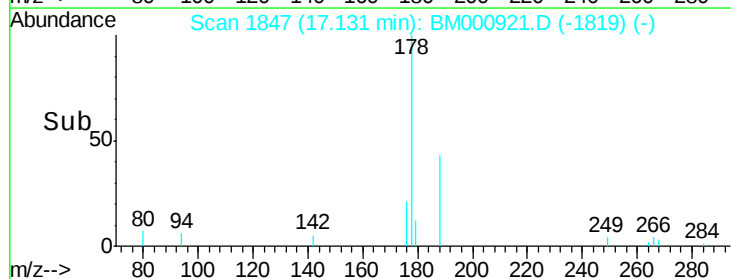
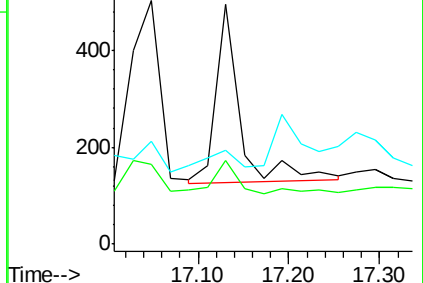
179 13.8 12.2 18.2

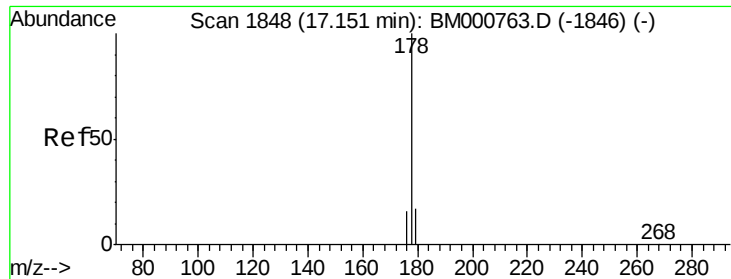


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Anthracene

Concen: 0.03 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

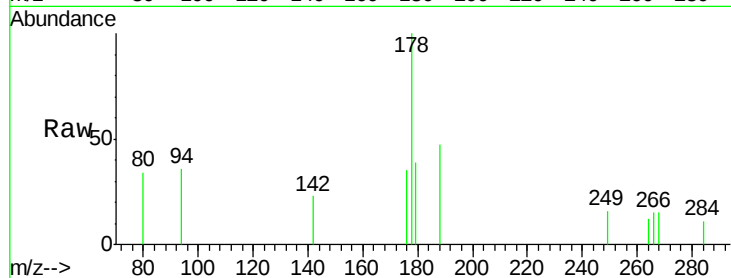
Tgt Ion:178 Resp: 681

Ion Ratio Lower Upper

178 100

176 16.7 14.6 22.0

179 20.4 12.2 18.4#



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

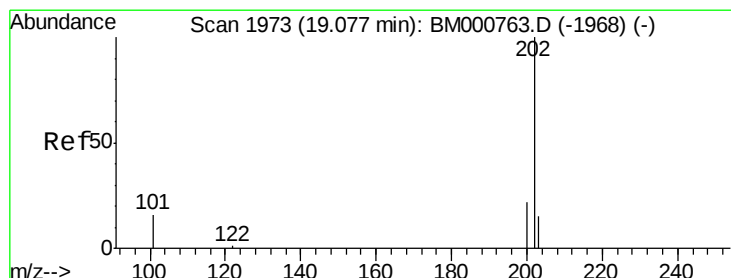
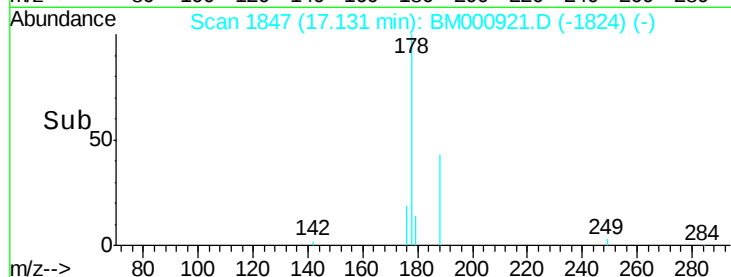
17.13

400

200

0

Time-->



#18

Fluoranthene

Concen: 0.02 ng

RT: 19.08 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

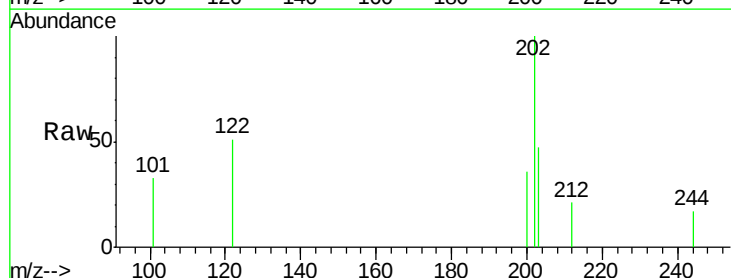
Tgt Ion:202 Resp: 642

Ion Ratio Lower Upper

202 100

101 19.6 10.5 15.7#

203 21.7 13.8 20.8#



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

19.08

800

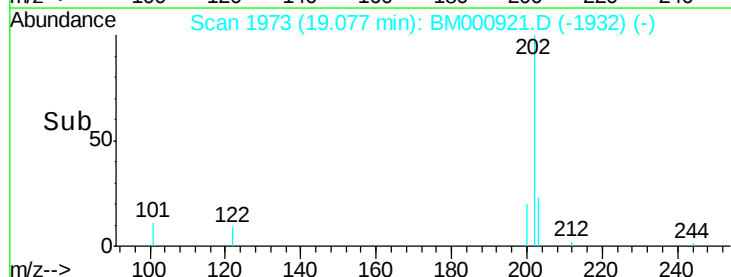
600

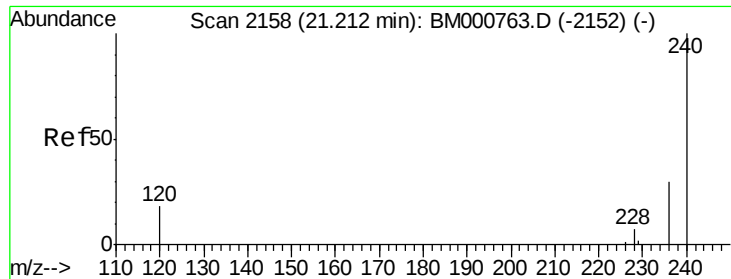
400

200

0

Time-->





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.21 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

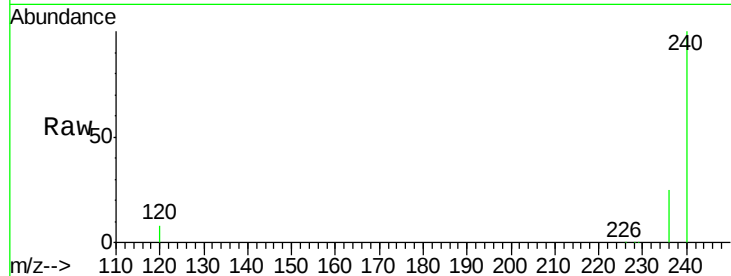
Tgt Ion:240 Resp: 90868

Ion Ratio Lower Upper

240 100

120 7.7 14.9 22.3#

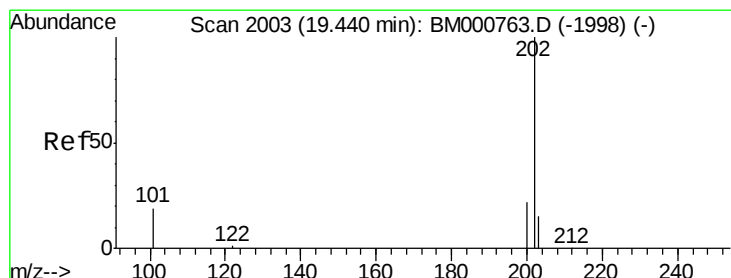
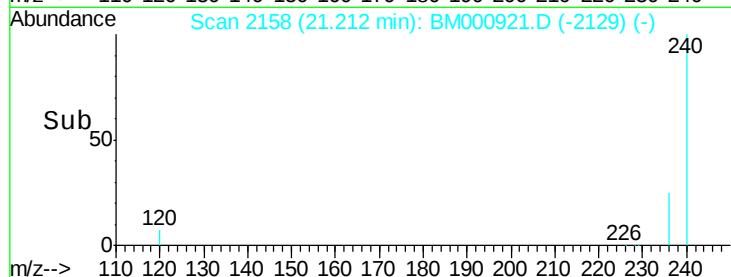
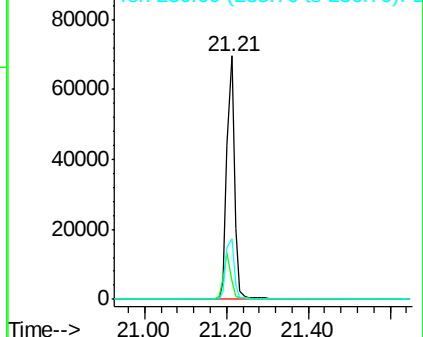
236 24.9 24.2 36.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.02 ng

RT: 19.44 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

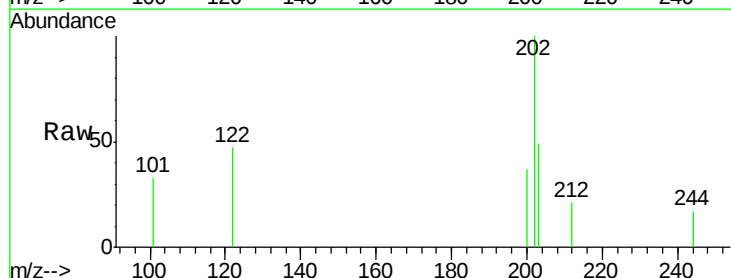
Tgt Ion:202 Resp: 643

Ion Ratio Lower Upper

202 100

200 26.3 16.2 24.2#

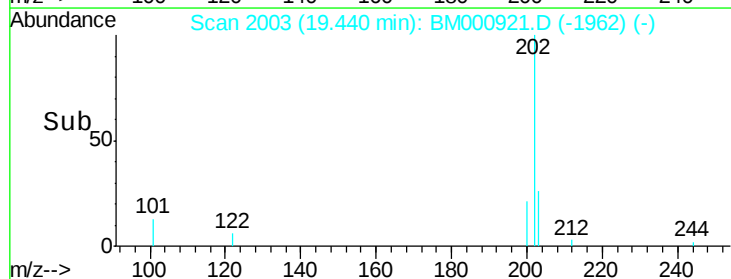
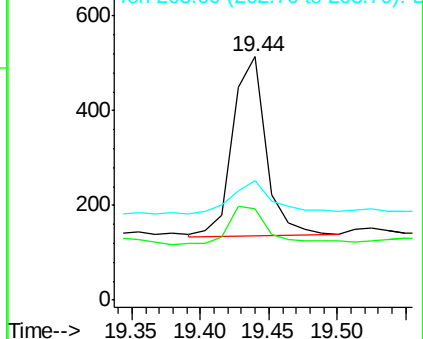
203 24.6 13.9 20.9#

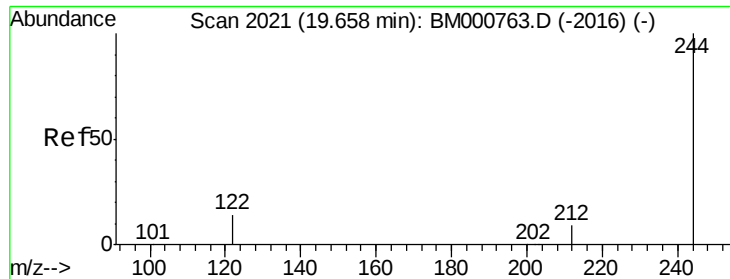


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 10.47 ng

RT: 19.65 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

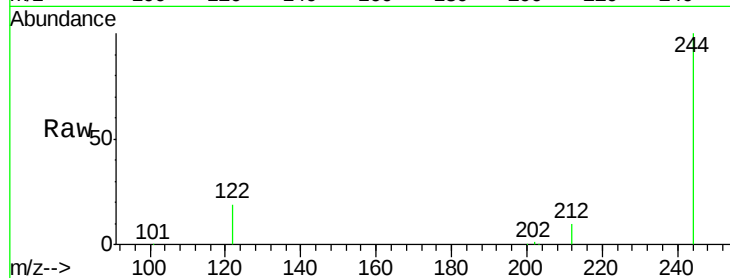
Tgt Ion:244 Resp: 114490

Ion Ratio Lower Upper

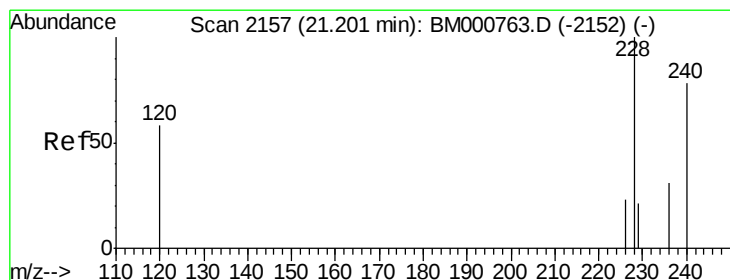
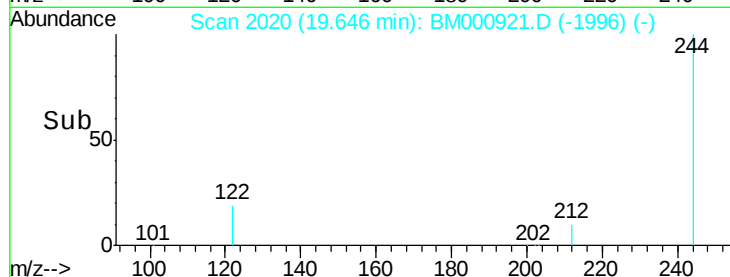
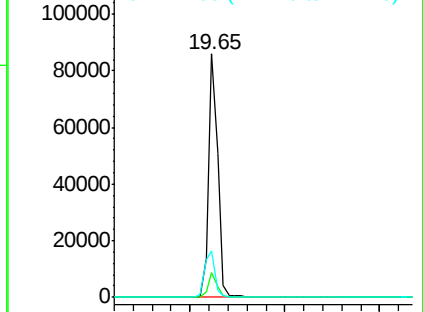
244 100

212 10.2 7.8 11.6

122 19.2 11.8 17.8#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.20 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

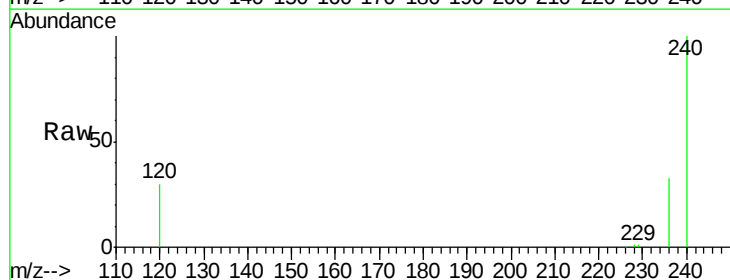
Tgt Ion:228 Resp: 585

Ion Ratio Lower Upper

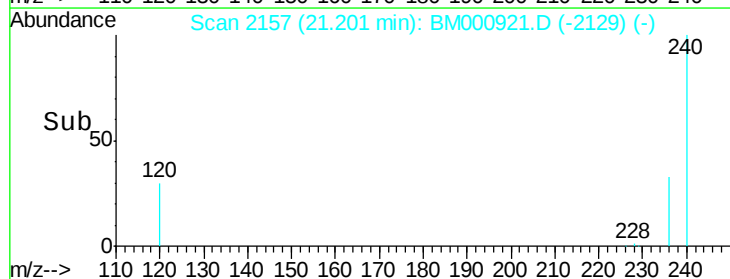
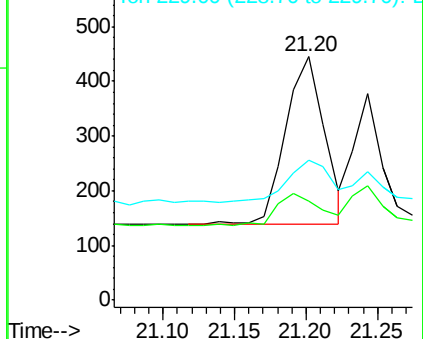
228 100

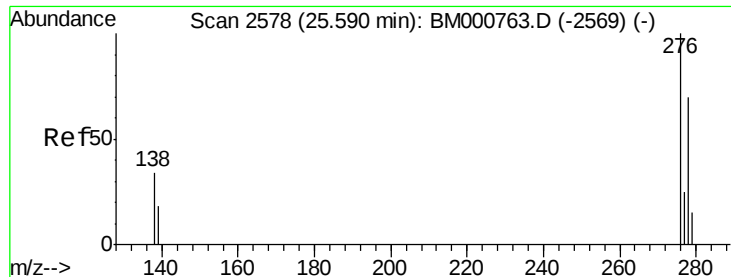
226 40.7 18.6 27.8#

229 57.5 17.2 25.8#



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





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.57 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

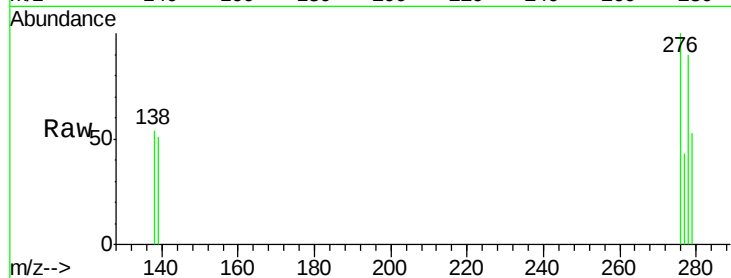
Tgt Ion:276 Resp: 832

Ion Ratio Lower Upper

276 100

138 39.7 27.4 41.2

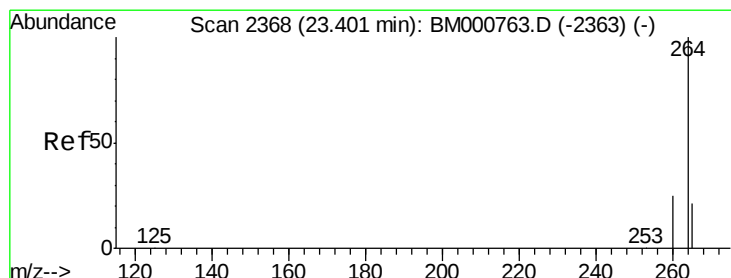
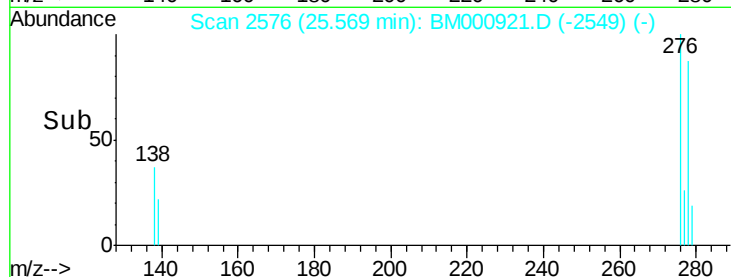
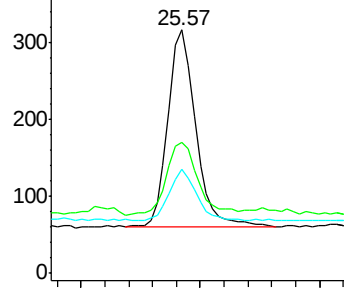
277 26.0 19.7 29.5



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

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

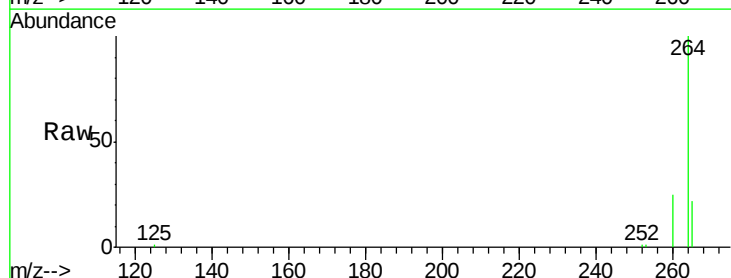
Tgt Ion:264 Resp: 83559

Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

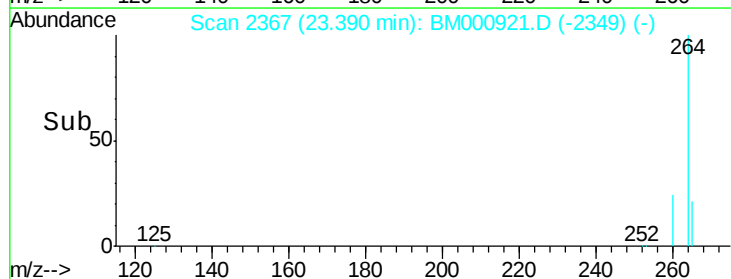
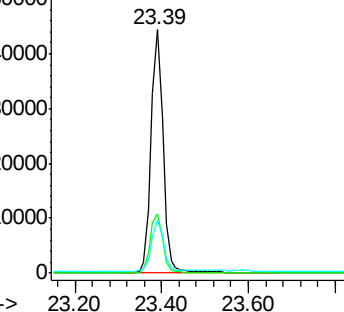
265 22.0 17.4 26.0

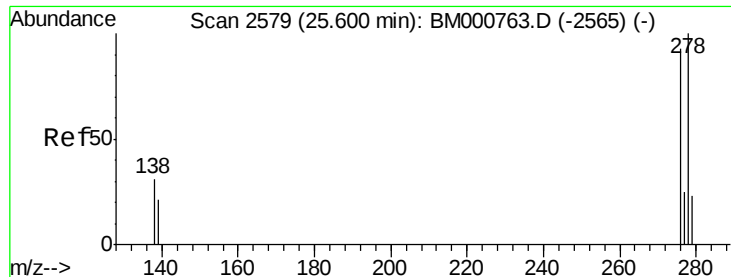


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

Instrument :

BNA_M

ClientSampleId :

YT-MW-01

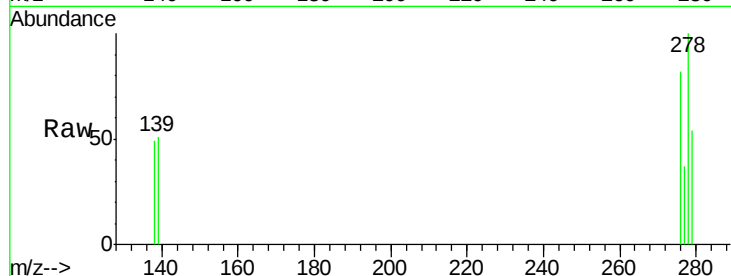
Tgt Ion: 278 Resp: 883

Ion Ratio Lower Upper

278 100

139 51.1 17.8 26.6#

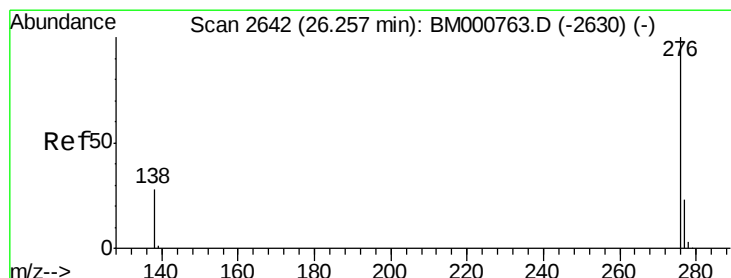
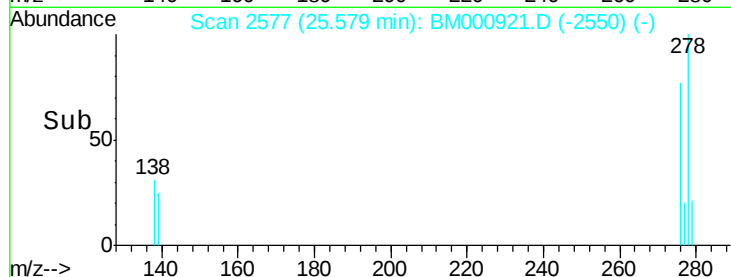
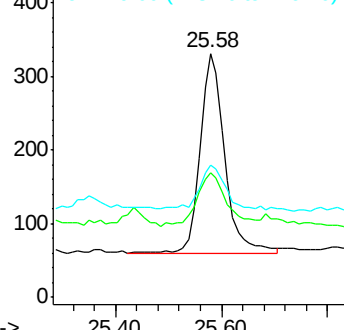
279 54.4 19.3 28.9#



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



#30

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.24 min Scan# 2640

Delta R.T. -0.02 min

Lab File: BM000921.D

Acq: 09 Apr 2015 11:21

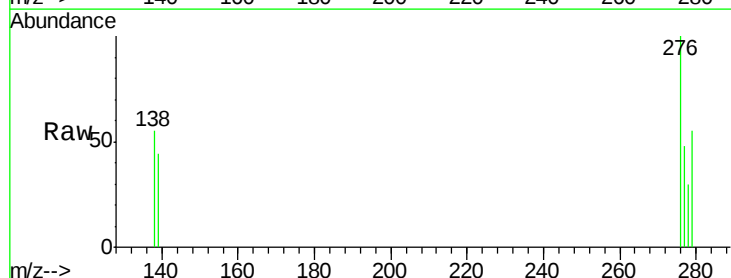
Tgt Ion: 276 Resp: 517

Ion Ratio Lower Upper

276 100

277 48.3 19.1 28.7#

138 55.5 23.1 34.7#



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

