

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089518.D
 Acq On : 6 Feb 2015 2:14
 Operator : TP/IZ
 Sample : G1210-01
 Misc : 4 TIME INT STD
 ALS Vial : 17 Sample Multiplier: 4

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

Quant Time: Feb 06 04:23:07 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 06 03:21:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	135869	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	542030	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	239656	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	461176	5.00	ng	0.00
16) Chrysene-d12	23.76	240	502937	5.00	ng	0.00
22) Perylene-d12	25.46	264	476249	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	74124	7.17	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	136324	7.22	ng	0.00
18) Terphenyl-d14	22.40	244	186773	8.54	ng	0.00

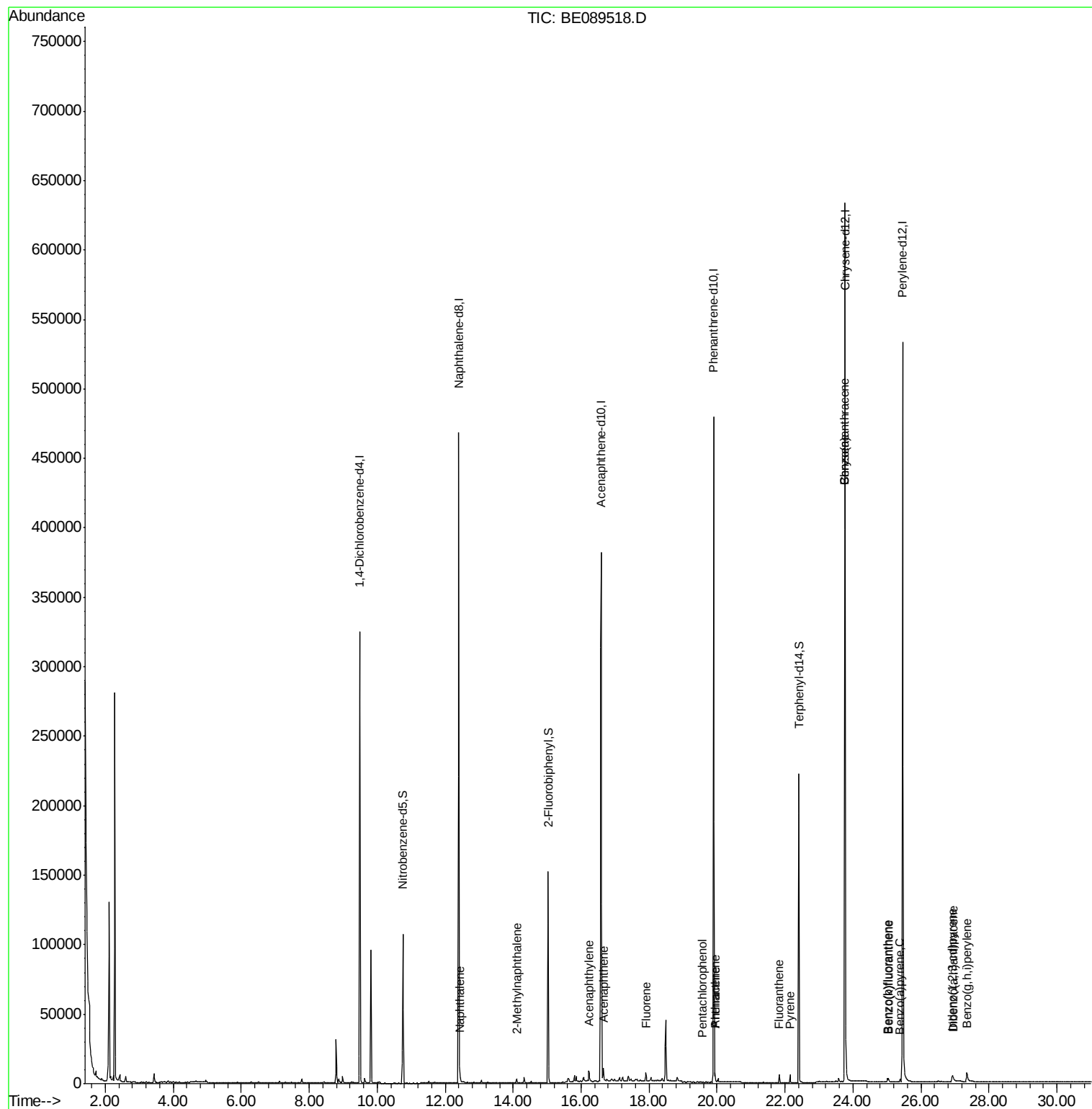
Target Compounds						Qvalue
4) Naphthalene	12.44	128	2929	0.09	ng	95
5) 2-Methylnaphthalene	14.10	142	1990	0.09	ng	# 95
8) Acenaphthylene	16.23	152	11269	0.09	ng	# 87
9) Acenaphthene	16.65	154	1738	0.09	ng	# 80
10) Fluorene	17.91	166	2410	0.25	ng	# 94
12) Pentachlorophenol	19.58	266	28	0.00	ng	# 69
13) Phenanthrene	19.94	178	5311	0.15	ng	97
14) Anthracene	19.94	178	5311	0.38	ng	100
15) Fluoranthene	21.83	202	4239	0.34	ng	# 95
17) Pyrene	22.15	202	4343	0.12	ng	98
19) Benzo(a)anthracene	23.75	228	18358	0.25	ng	96
20) Chrysene	23.75	228	18358	0.16	ng	96
21) Indeno(1,2,3-cd)pyrene	26.92	276	11608	0.33	ng	95
23) Benzo(b)fluoranthene	25.02	252	2629	0.51	ng	# 71
24) Benzo(k)fluoranthene	25.04	252	3785	0.10	ng	# 74
25) Benzo(a)pyrene	25.39	252	2245	0.46	ng	# 65
26) Dibenzo(a,h)anthracene	26.95	278	2106	0.33	ng	# 67
27) Benzo(g,h,i)perylene	27.35	276	12090	0.22	ng	# 82

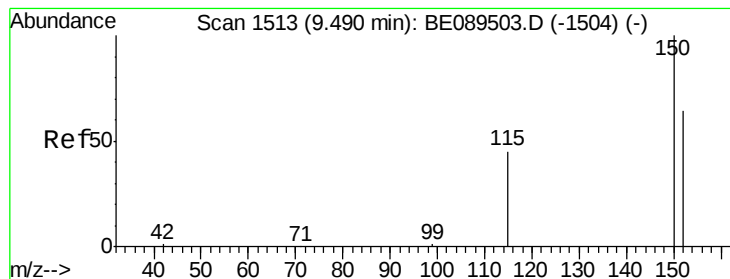
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
Data File : BE089518.D
Acq On : 6 Feb 2015 2:14
Operator : TP/IZ
Sample : G1210-01
Misc : 4 TIME INT STD
ALS Vial : 17 Sample Multiplier: 4

Instrument :
BNA_E
ClientSampleId :
YT-MW-01

Quant Time: Feb 06 04:23:07 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 06 03:21:38 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

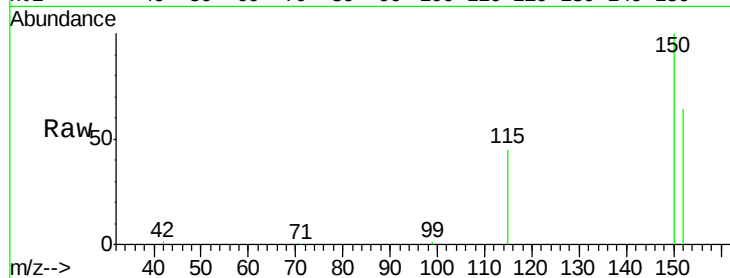
Tgt Ion:152 Resp: 135869

Ion Ratio Lower Upper

152 100

150 156.6 125.0 187.6

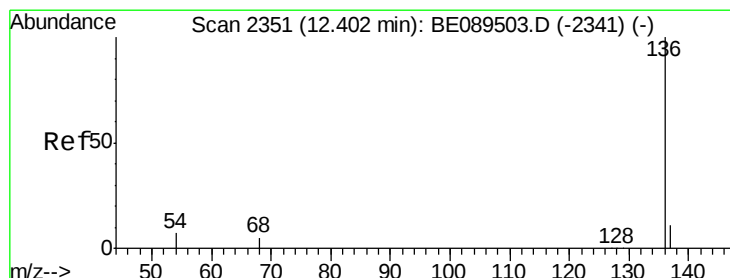
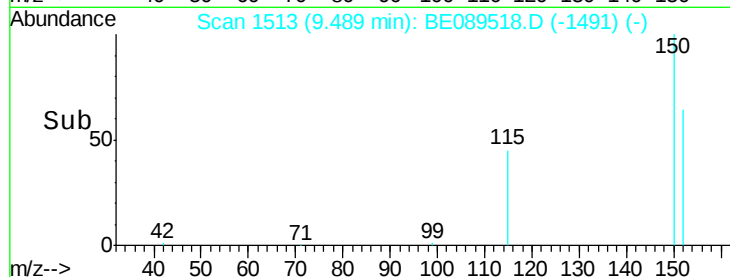
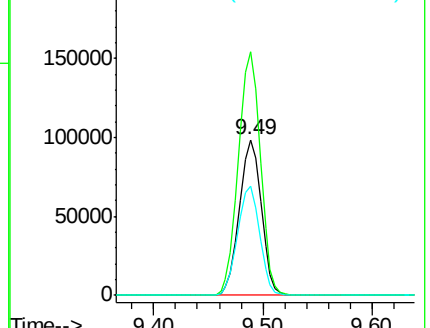
115 70.0 56.6 85.0



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



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.40 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

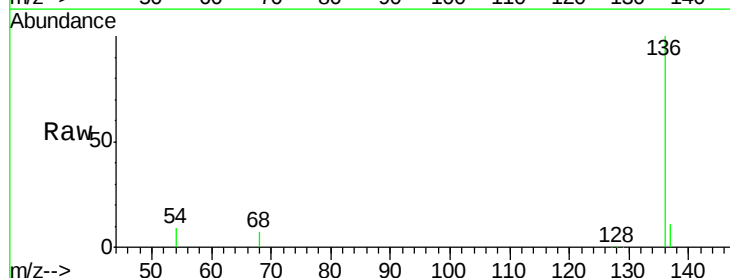
Tgt Ion:136 Resp: 542030

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

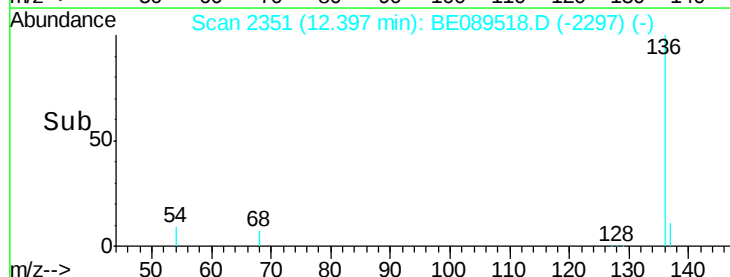
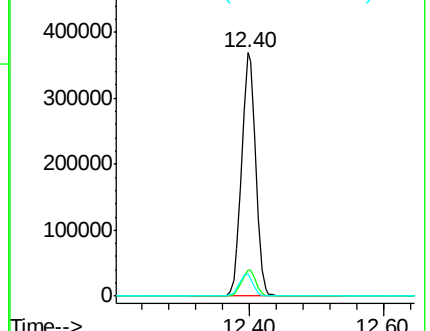
54 9.1 6.0 9.0#

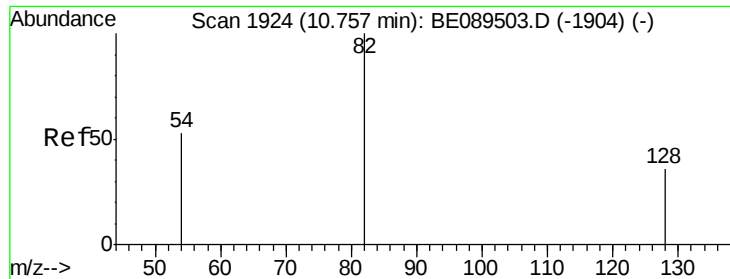


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 7.17 ng

RT: 10.76 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

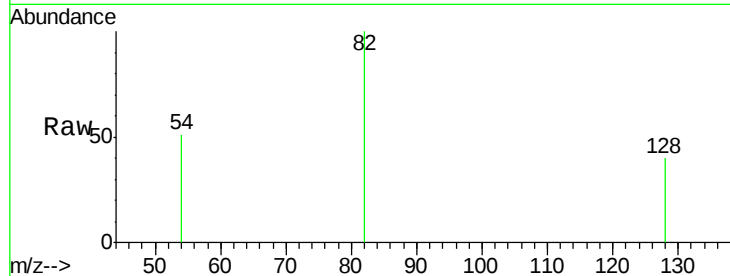
Tgt Ion: 82 Resp: 74124

Ion Ratio Lower Upper

82 100

128 40.0 29.3 43.9

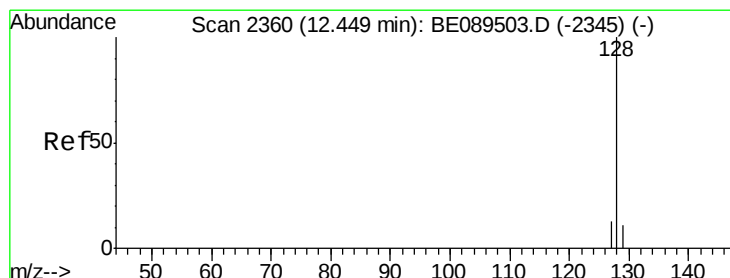
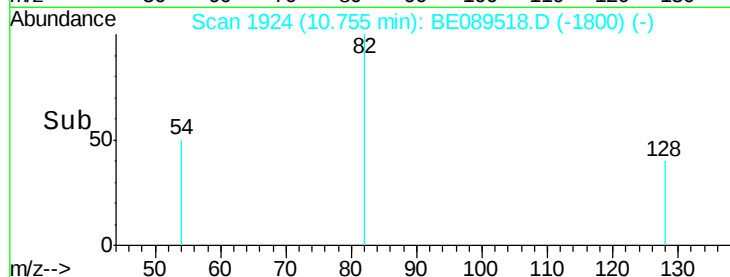
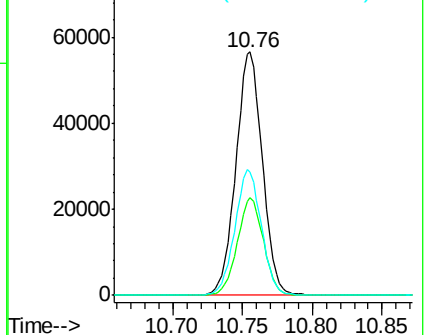
54 50.6 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE089518.D (-2304) (-)

Ion 128.00 (127.70 to 128.70): BE089518.D (-2304) (-)

Ion 54.00 (53.70 to 54.70): BE089518.D (-2304) (-)



#4

Naphthalene

Concen: 0.09 ng

RT: 12.44 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

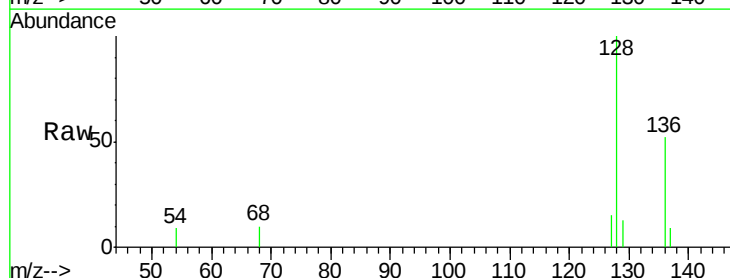
Tgt Ion: 128 Resp: 2929

Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

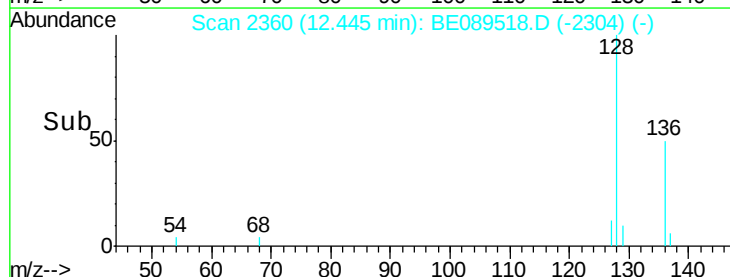
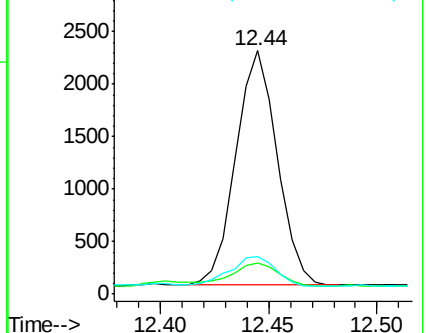
127 15.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): BE089518.D (-2304) (-)

Ion 129.00 (128.70 to 129.70): BE089518.D (-2304) (-)

Ion 127.00 (126.70 to 127.70): BE089518.D (-2304) (-)





#5

2-Methylnaphthalene

Concen: 0.09 ng

RT: 14.10 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

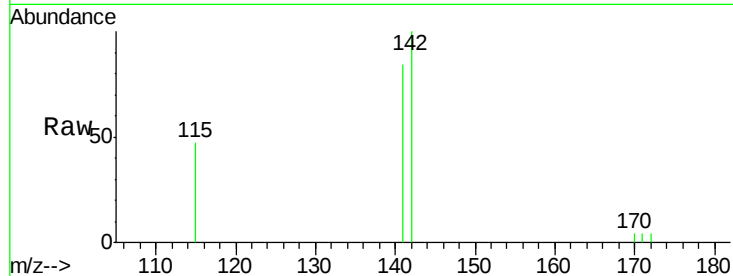
Tgt Ion:142 Resp: 1990

Ion Ratio Lower Upper

142 100

141 83.8 66.3 99.5

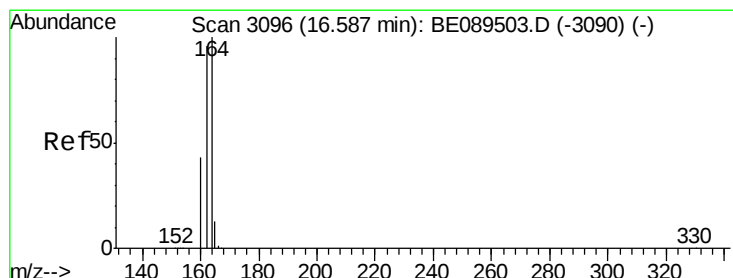
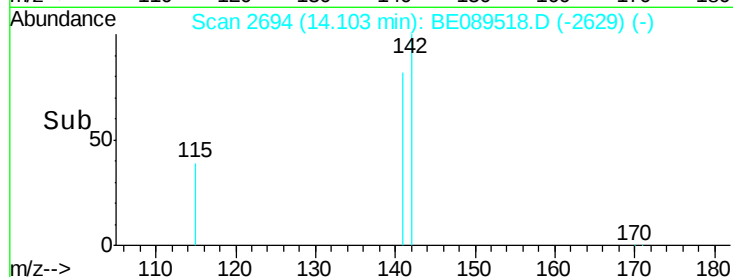
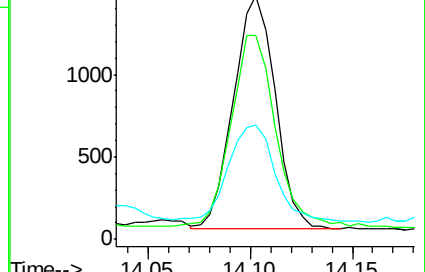
115 46.8 31.1 46.7#



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.59 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

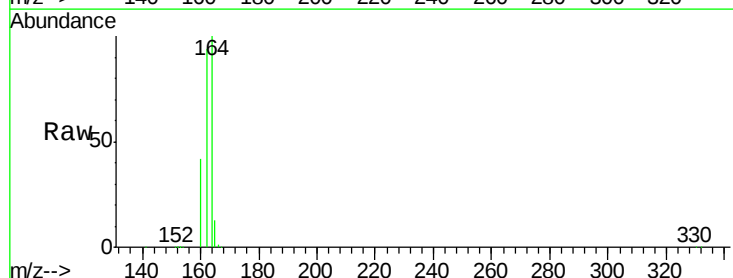
Tgt Ion:164 Resp: 239656

Ion Ratio Lower Upper

164 100

162 94.5 76.6 115.0

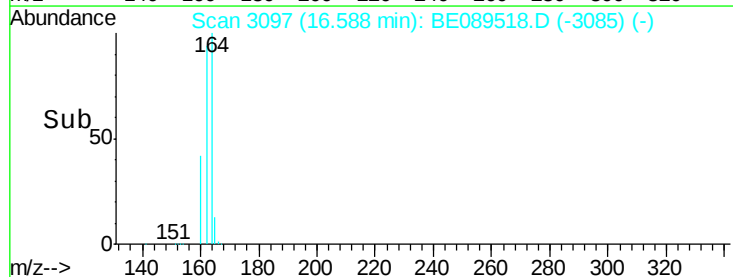
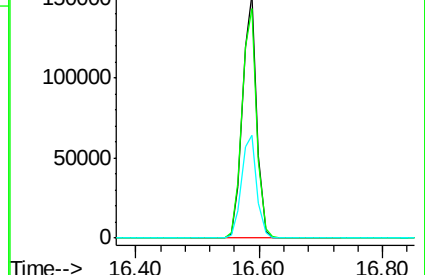
160 42.2 34.6 52.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 7.22 ng

RT: 15.03 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

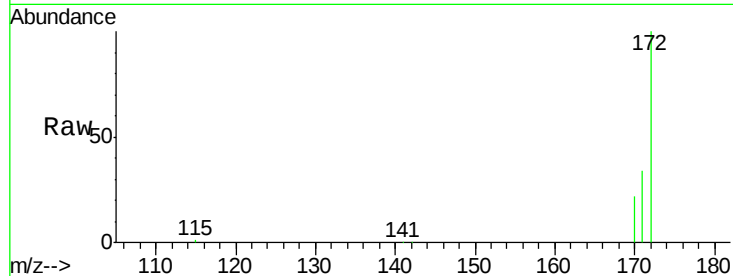
Tgt Ion:172 Resp: 136324

Ion Ratio Lower Upper

172 100

171 33.8 27.4 41.0

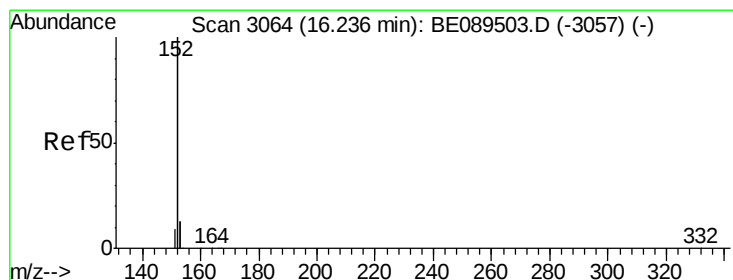
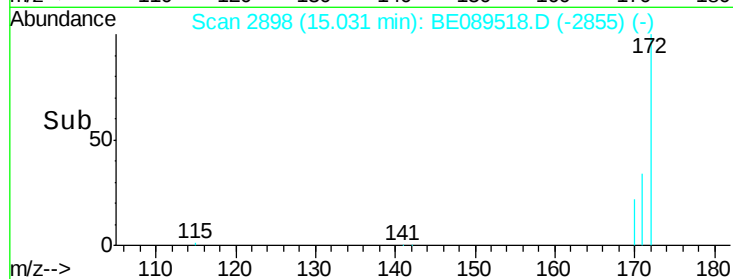
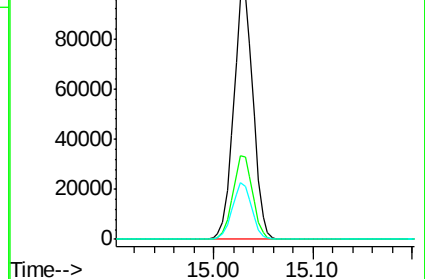
170 21.8 18.4 27.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 0.09 ng

RT: 16.23 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

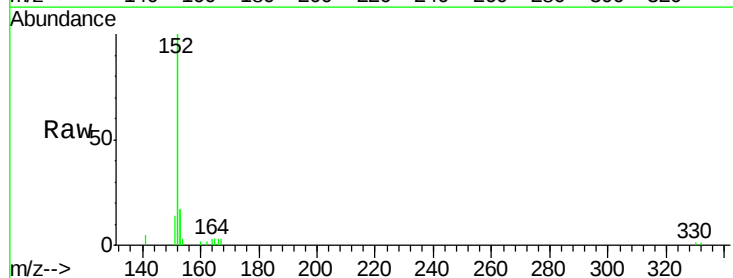
Tgt Ion:152 Resp: 11269

Ion Ratio Lower Upper

152 100

151 6.0 3.9 5.9#

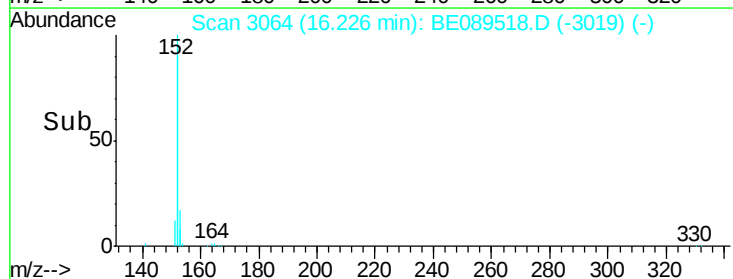
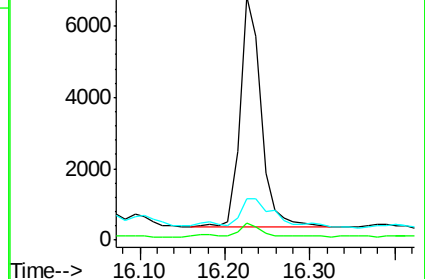
153 19.8 10.4 15.6#

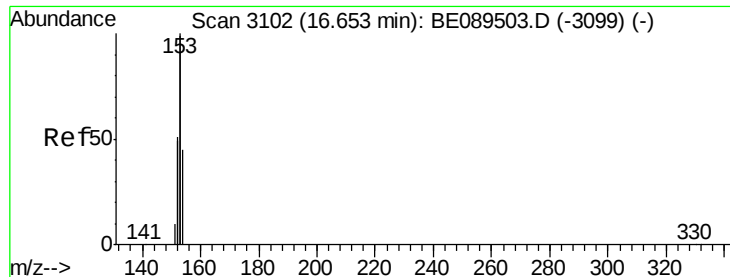


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.09 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

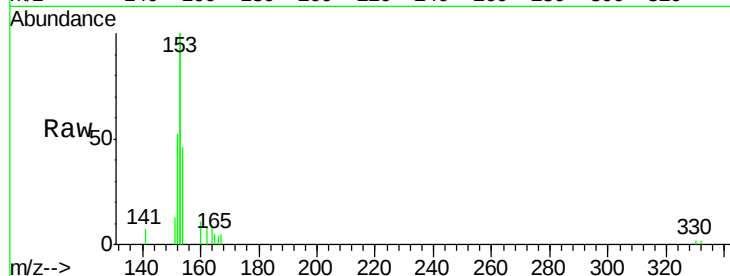
Tgt Ion:154 Resp: 1738

Ion Ratio Lower Upper

154 100

153 458.3 341.5 512.3

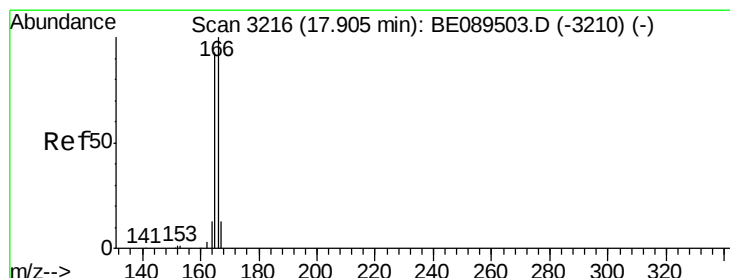
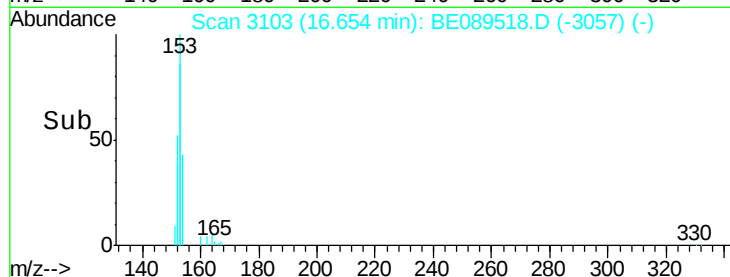
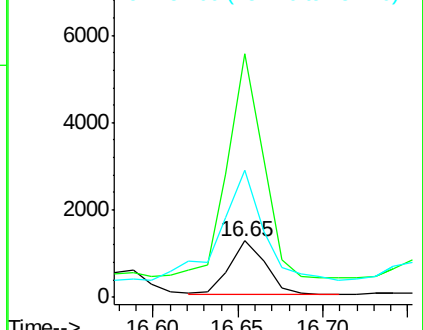
152 264.2 166.6 249.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 0.25 ng

RT: 17.91 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

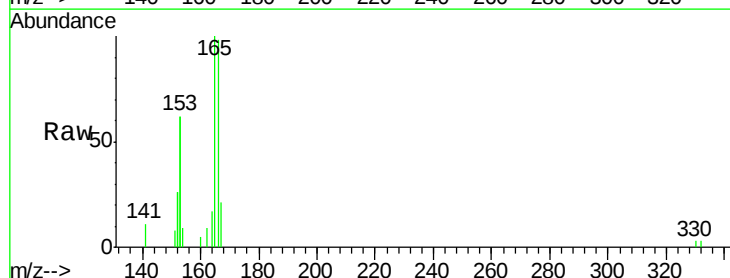
Tgt Ion:166 Resp: 2410

Ion Ratio Lower Upper

166 100

165 96.5 73.6 110.4

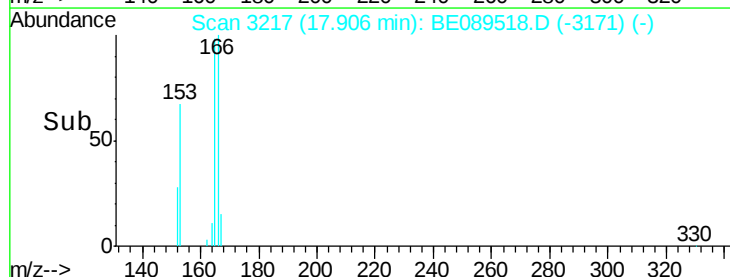
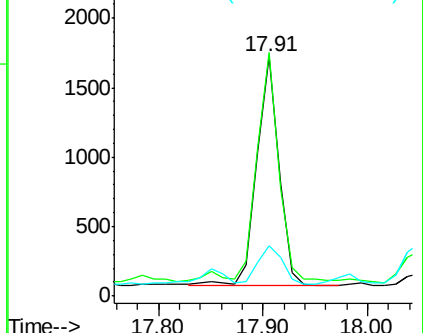
167 18.1 10.6 15.8#

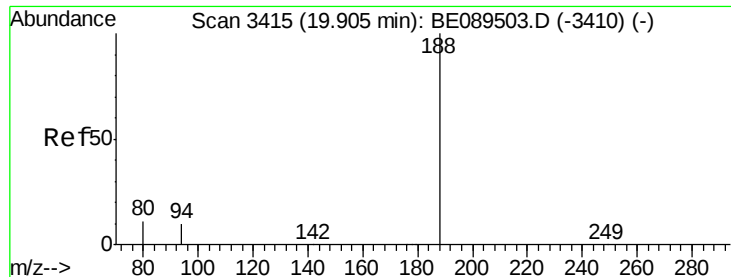


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

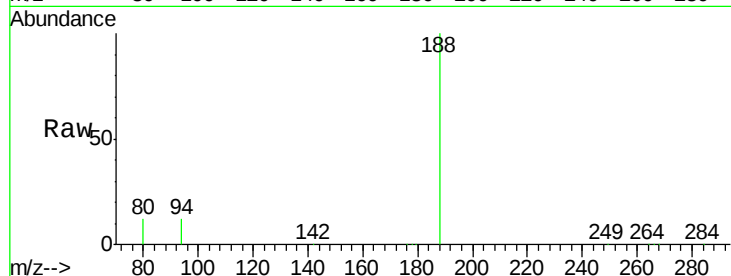




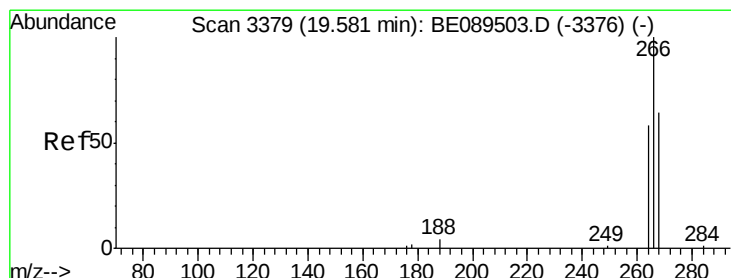
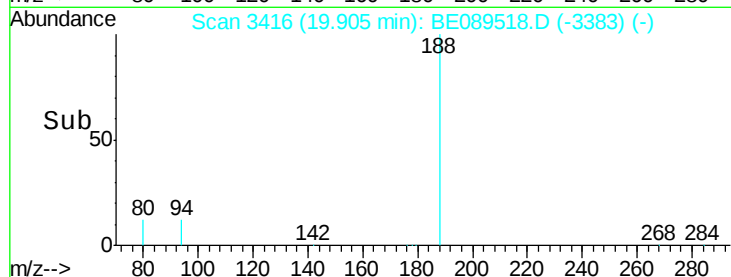
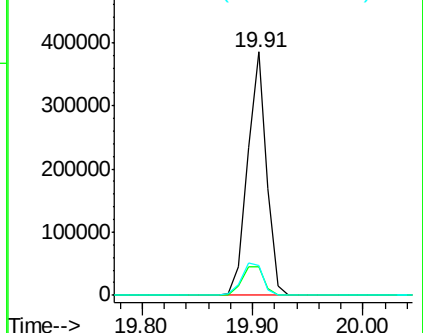
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: BE089518.D
Acq: 6 Feb 2015 2:14

Instrument :
BNA_E
ClientSampled :
YT-MW-01

Tgt Ion:188 Resp: 461176
Ion Ratio Lower Upper
188 100
94 11.8 8.2 12.4
80 12.2 8.7 13.1

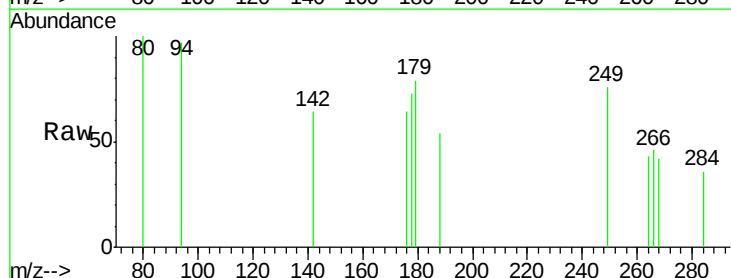


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

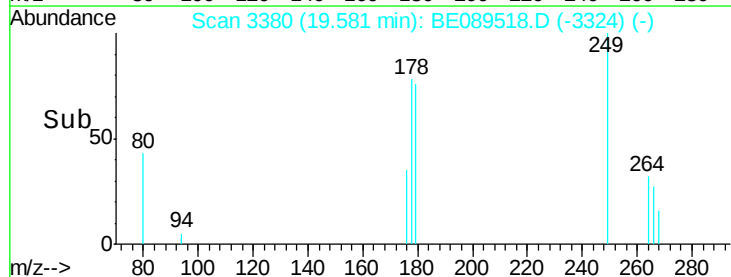
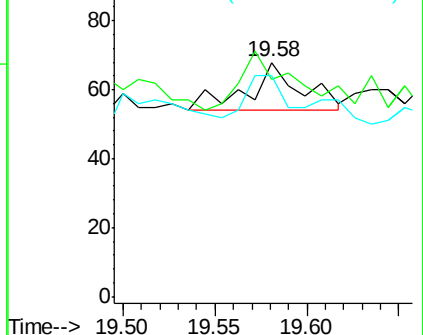


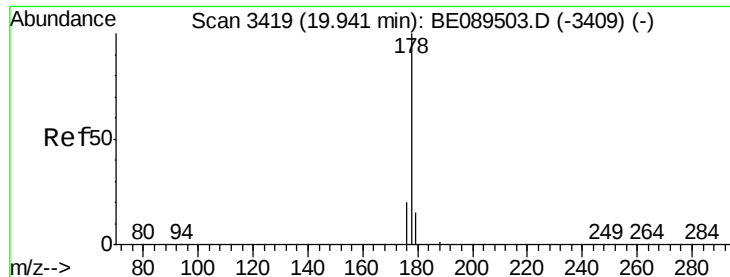
#12
Pentachlorophenol
Concen: 0.00 ng
RT: 19.58 min Scan# 3380
Delta R.T. 0.00 min
Lab File: BE089518.D
Acq: 6 Feb 2015 2:14

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
268 92.6 56.7 85.1#
264 94.1 51.9 77.9#



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





#13

Phenanthrene

Concen: 0.15 ng

RT: 19.94 min Scan# 3420

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

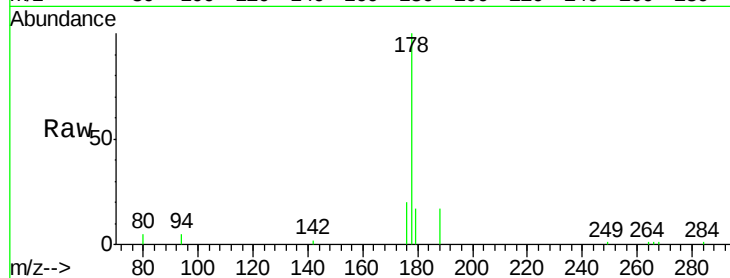
Tgt Ion:178 Resp: 5311

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

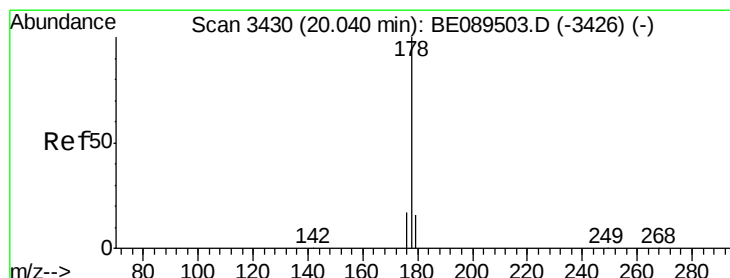
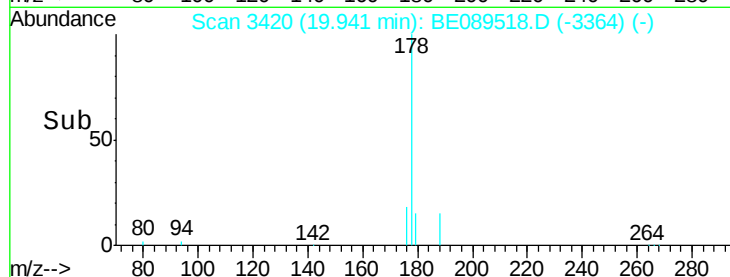
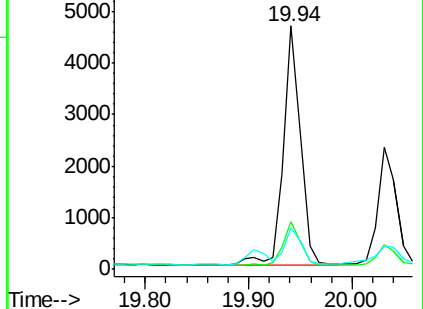
179 14.5 12.4 18.6



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



#14

Anthracene

Concen: 0.38 ng

RT: 19.94 min Scan# 3420

Delta R.T. -0.10 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

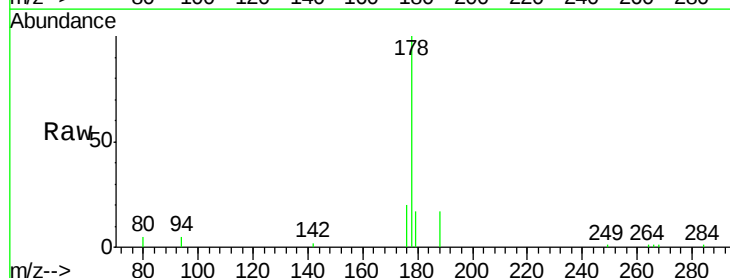
Tgt Ion:178 Resp: 5311

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

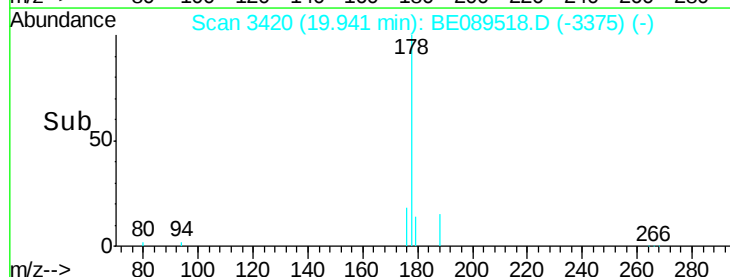
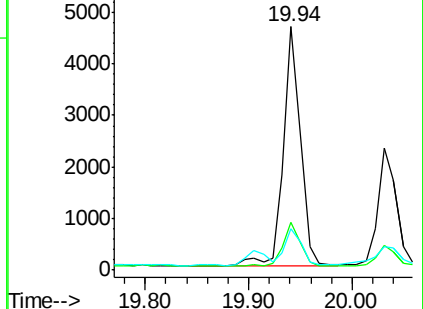
179 15.2 12.1 18.1

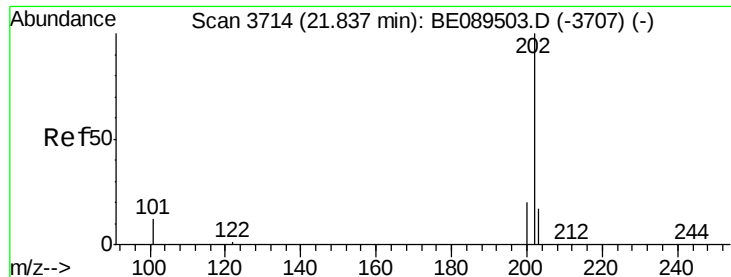


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

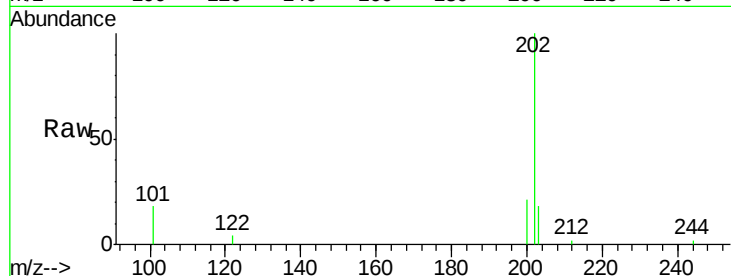




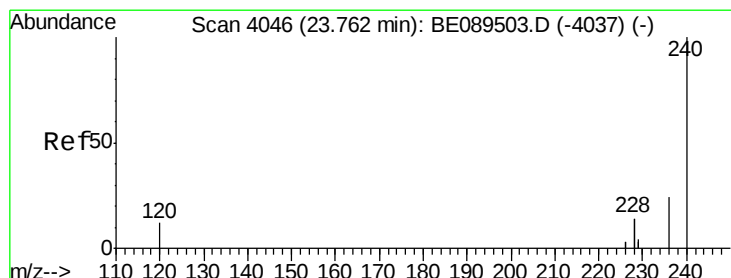
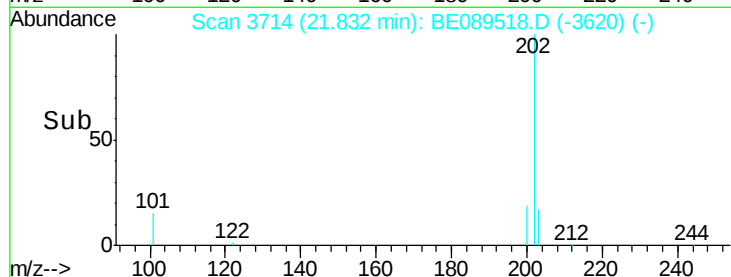
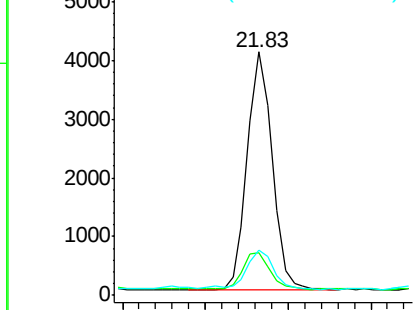
#15
 Fluoranthene
 Concen: 0.34 ng
 RT: 21.83 min Scan# 3714
 Delta R.T. -0.00 min
 Lab File: BE089518.D
 Acq: 6 Feb 2015 2:14

Instrument :
 BNA_E
 ClientSampled :
 YT-MW-01

Tgt Ion: 202 Resp: 4239
 Ion Ratio Lower Upper
 202 100
 101 17.8 11.3 16.9#
 203 18.1 13.8 20.6

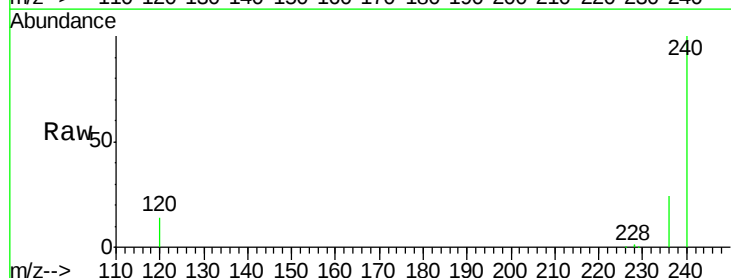


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

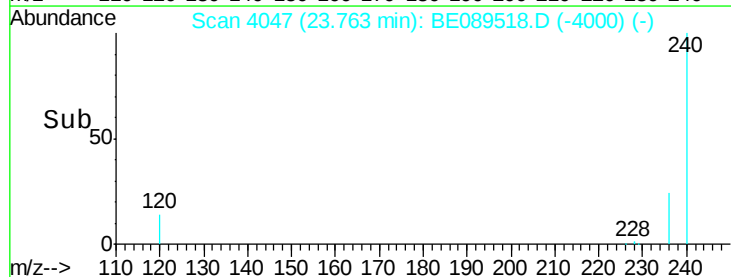
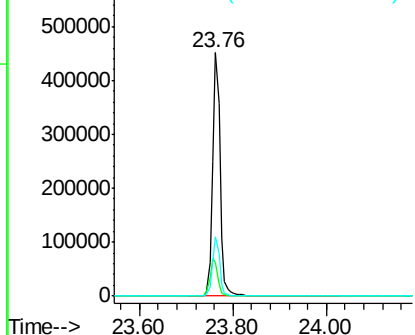


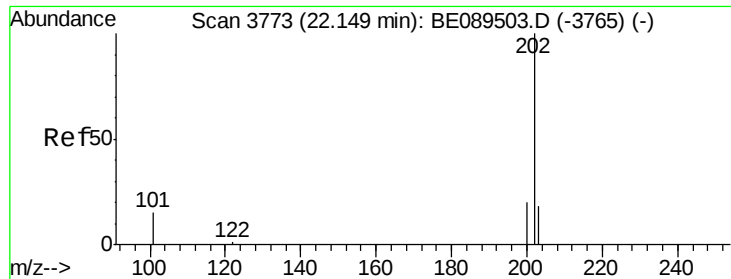
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 4047
 Delta R.T. 0.00 min
 Lab File: BE089518.D
 Acq: 6 Feb 2015 2:14

Tgt Ion: 240 Resp: 502937
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.6 14.4
 236 24.4 19.4 29.2



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

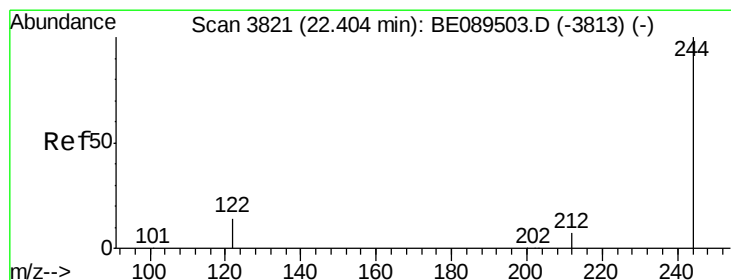
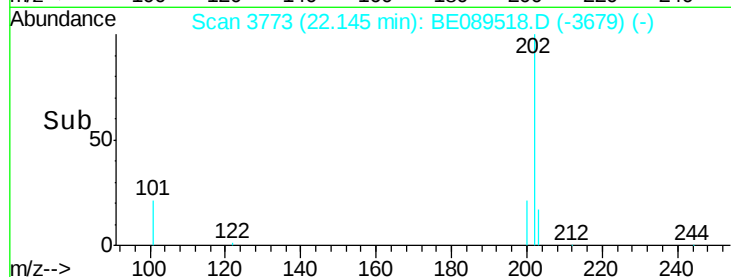
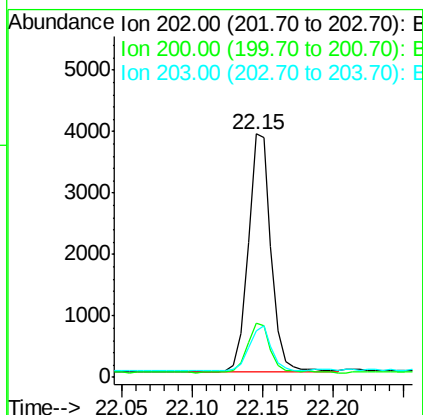
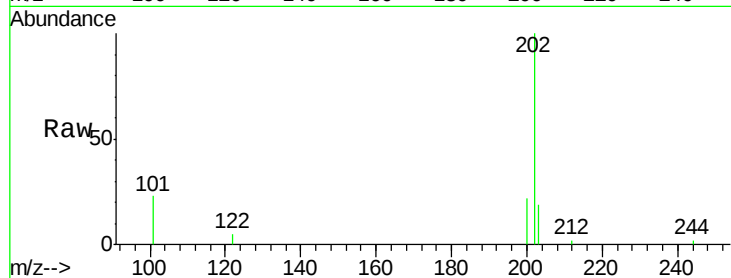




#17
 Pyrene
 Concen: 0.12 ng
 RT: 22.15 min Scan# 3773
 Delta R.T. -0.00 min
 Lab File: BE089518.D
 Acq: 6 Feb 2015 2:14

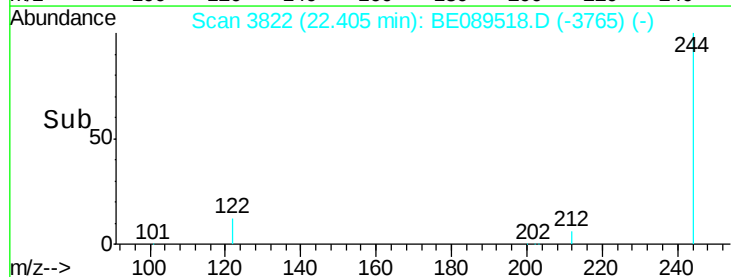
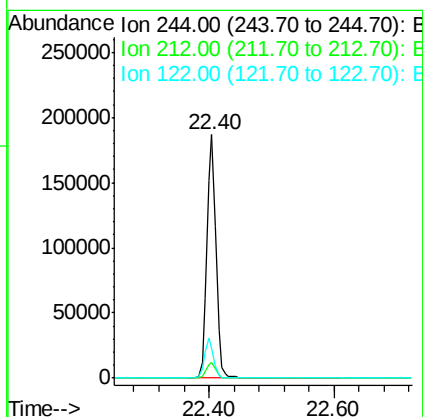
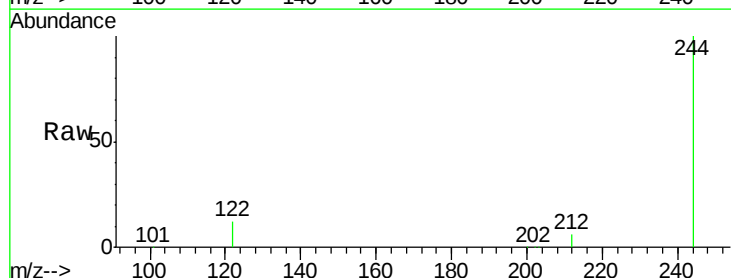
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

Tgt Ion:202 Resp: 4343
 Ion Ratio Lower Upper
 202 100
 200 21.8 16.5 24.7
 203 18.5 14.0 21.0



#18
 Terphenyl-d14
 Concen: 8.54 ng
 RT: 22.40 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: BE089518.D
 Acq: 6 Feb 2015 2:14

Tgt Ion:244 Resp: 186773
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 12.4 11.1 16.7





#19

Benzo(a)anthracene

Concen: 0.25 ng

RT: 23.75 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

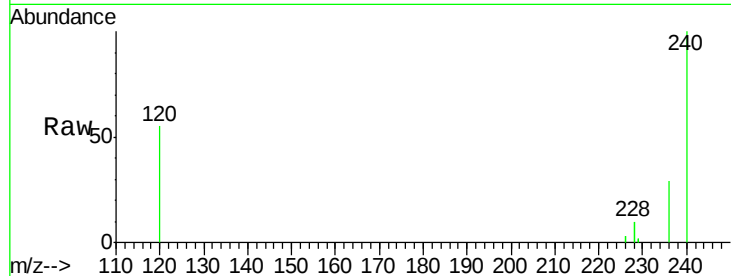
Tgt Ion:228 Resp: 18358

Ion Ratio Lower Upper

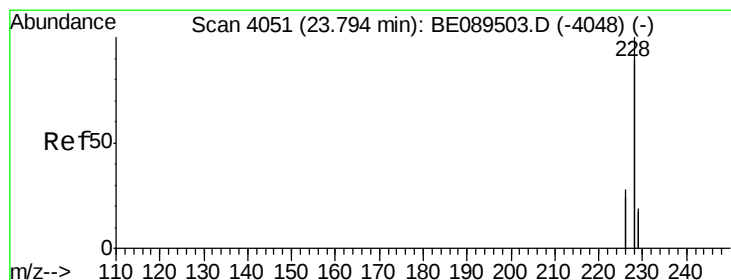
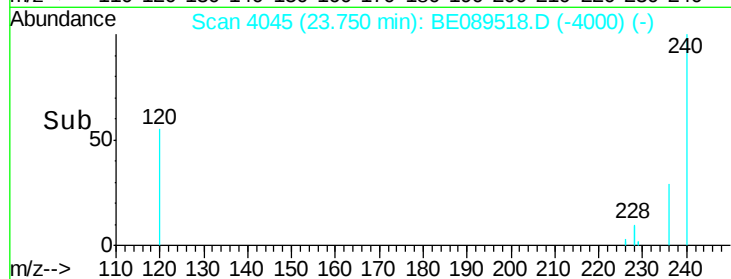
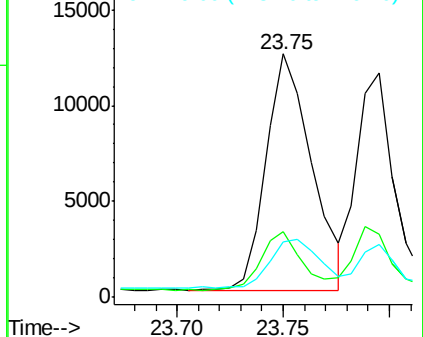
228 100

226 26.7 21.0 31.6

229 22.7 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



#20

Chrysene

Concen: 0.16 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.04 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

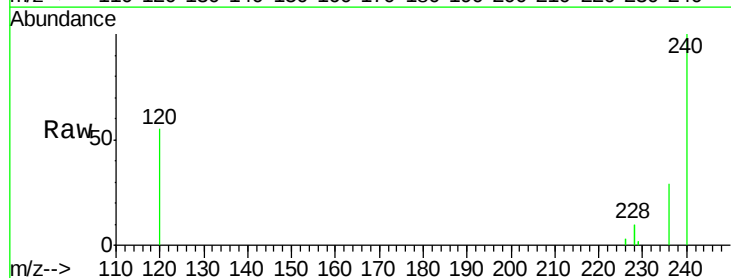
Tgt Ion:228 Resp: 18358

Ion Ratio Lower Upper

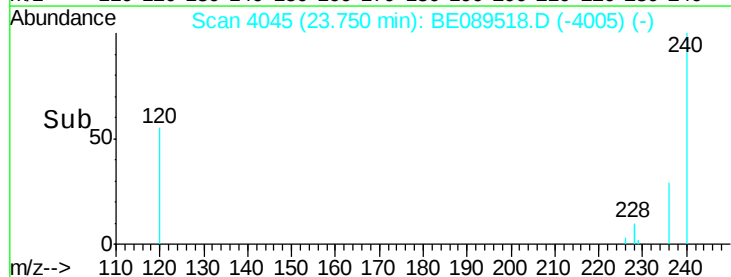
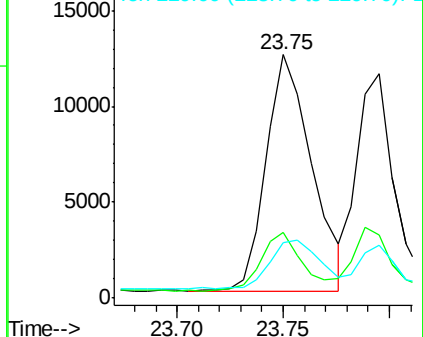
228 100

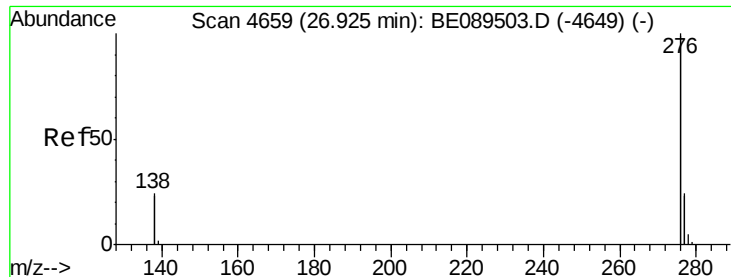
226 26.7 22.3 33.5

229 22.7 15.4 23.0



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

Indeno(1,2,3-cd)pyrene

Concen: 0.33 ng

RT: 26.92 min Scan# 4659

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

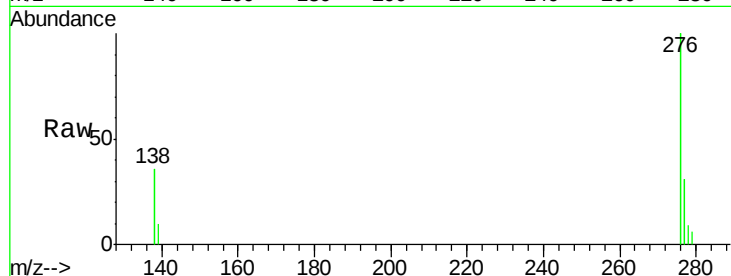
Tgt Ion:276 Resp: 11608

Ion Ratio Lower Upper

276 100

138 26.7 23.2 34.8

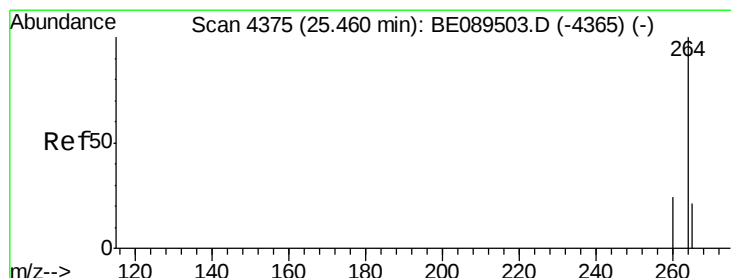
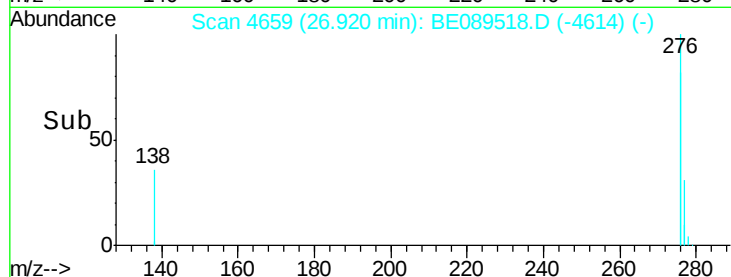
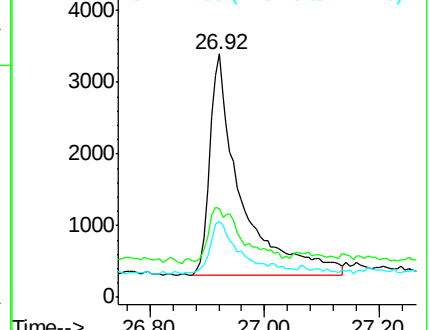
277 21.6 19.8 29.6



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.46 min Scan# 4376

Delta R.T. 0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

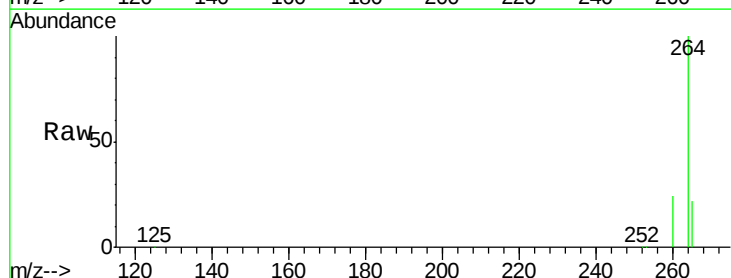
Tgt Ion:264 Resp: 476249

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

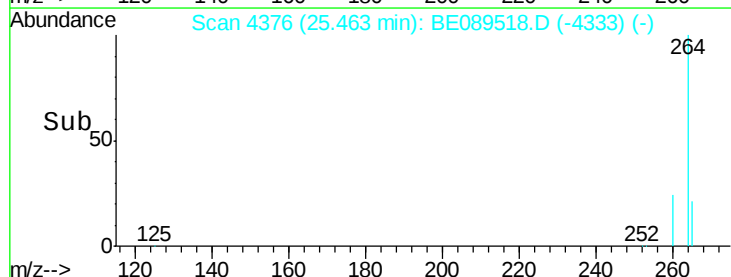
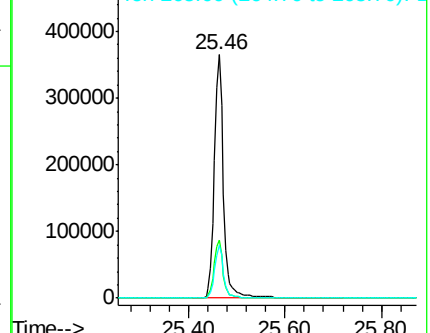
265 21.5 17.0 25.6



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

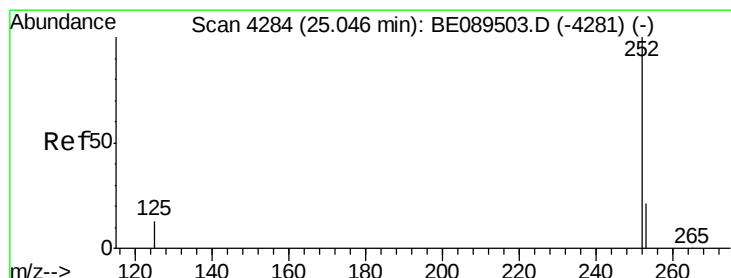
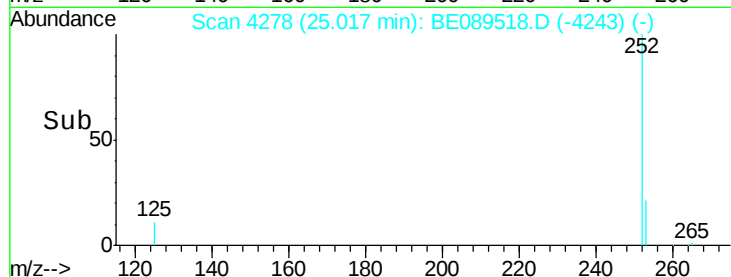
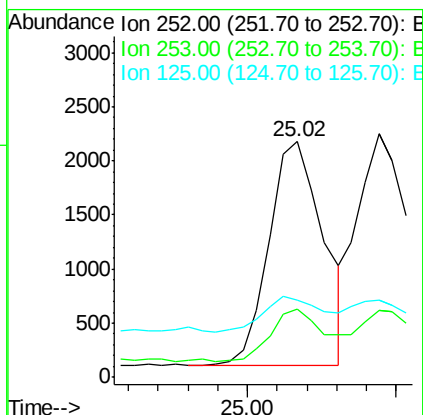
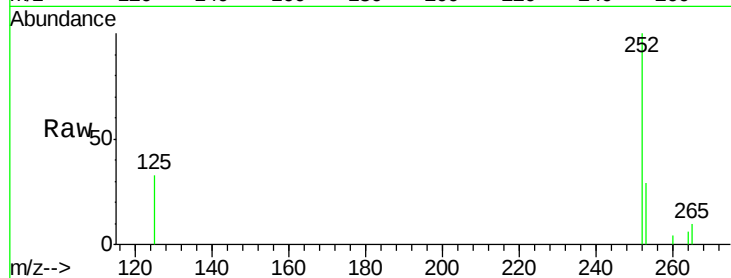




#23
Benzo(b)fluoranthene
Concen: 0.51 ng
RT: 25.02 min Scan# 4278
Delta R.T. -0.00 min
Lab File: BE089518.D
Acq: 6 Feb 2015 2:14

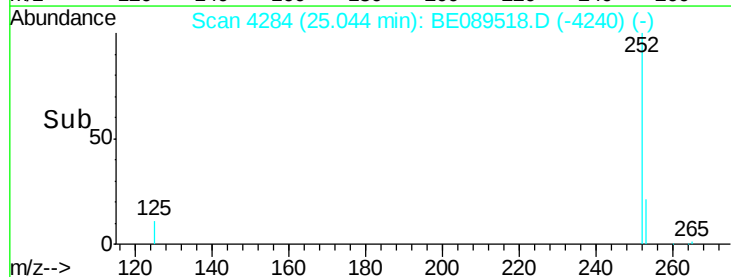
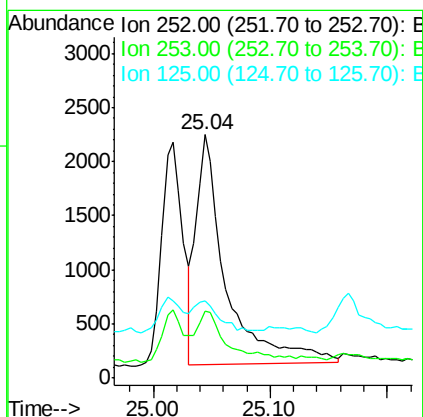
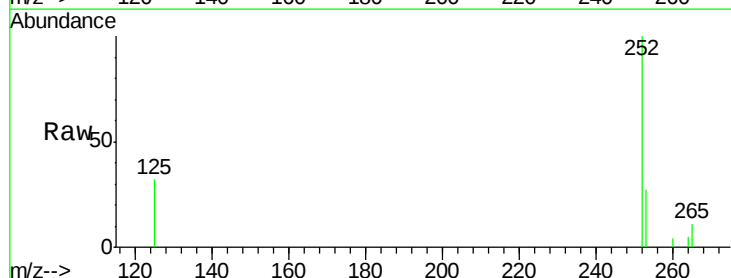
Instrument :
BNA_E
ClientSampleId :
YT-MW-01

Tgt Ion:252 Resp: 2629
Ion Ratio Lower Upper
252 100
253 28.8 17.4 26.0#
125 32.6 9.6 14.4#



#24
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 25.04 min Scan# 4284
Delta R.T. -0.00 min
Lab File: BE089518.D
Acq: 6 Feb 2015 2:14

Tgt Ion:252 Resp: 3785
Ion Ratio Lower Upper
252 100
253 27.4 17.0 25.6#
125 31.6 10.2 15.4#





#25

Benzo(a)pyrene

Concen: 0.46 ng

RT: 25.39 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

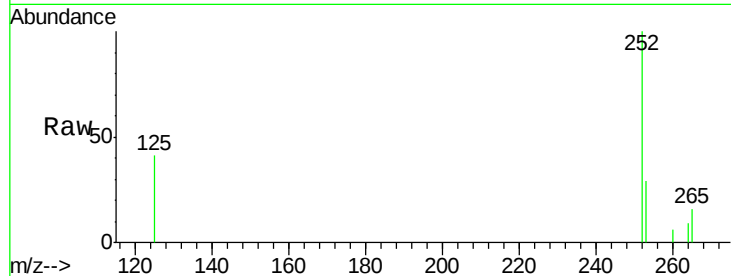
Tgt Ion: 252 Resp: 2245

Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.6#

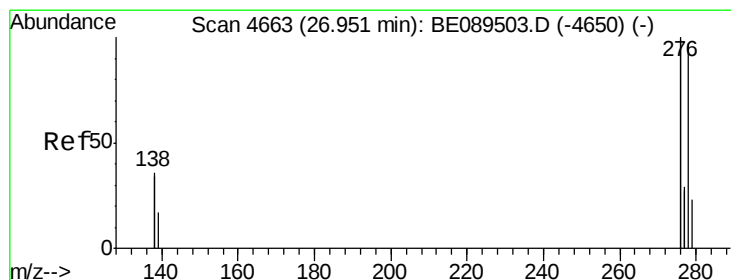
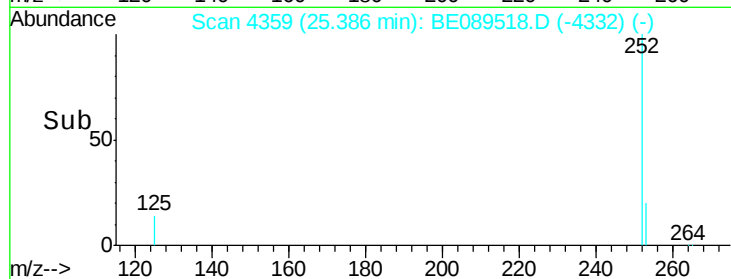
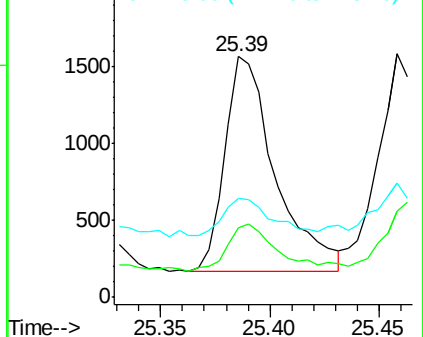
125 41.3 10.7 16.1#



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



#26

Dibenzo(a,h)anthracene

Concen: 0.33 ng

RT: 26.95 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BE089518.D

Acq: 6 Feb 2015 2:14

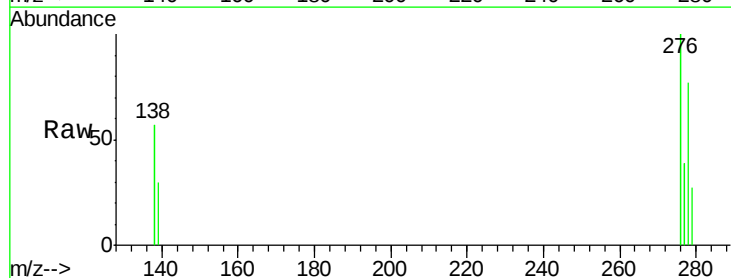
Tgt Ion: 278 Resp: 2106

Ion Ratio Lower Upper

278 100

139 38.6 14.6 22.0#

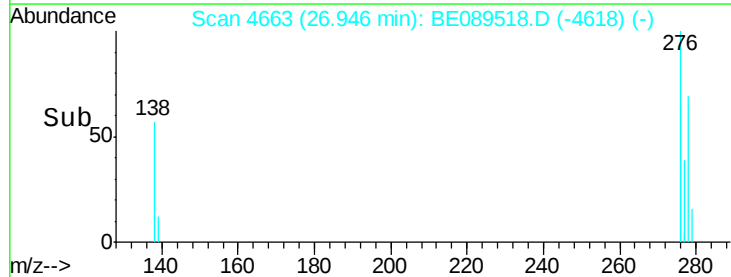
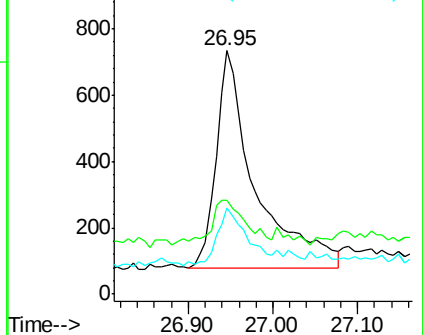
279 35.1 19.0 28.4#



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





#27

Benzo(g,h,i)perylene

Concen: 0.22 ng

RT: 27.35 min Scan# 4725

Delta R.T. -0.00 min

Lab File: BE089518.D

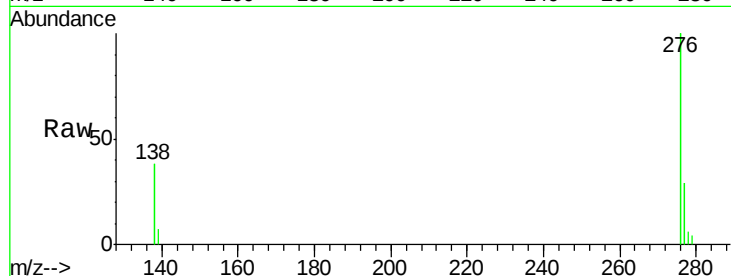
Acq: 6 Feb 2015 2:14

Instrument :

BNA_E

ClientSampleId :

YT-MW-01



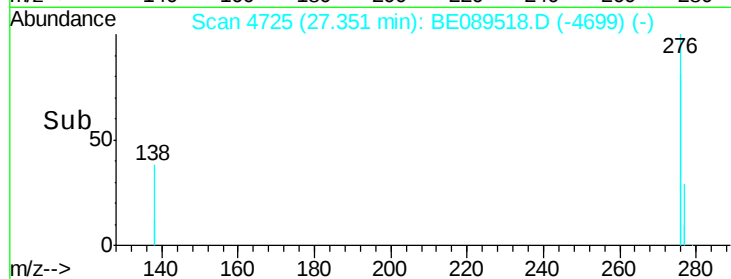
Tgt Ion: 276 Resp: 12090

Ion Ratio Lower Upper

276 100

277 29.0 18.6 28.0#

138 38.4 20.8 31.2#



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

