

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089520.D
 Acq On : 6 Feb 2015 3:32
 Operator : TP/IZ
 Sample : G1210-10
 Misc : 4 TIME INT STD
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-11

Quant Time: Feb 06 04:42:14 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	120647	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	530773	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	250393	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	478559	5.00	ng	0.00
16) Chrysene-d12	23.77	240	493860	5.00	ng	0.00
22) Perylene-d12	25.46	264	458148	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	60369	1.49	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	122399	1.55	ng	0.00
18) Terphenyl-d14	22.41	244	166278	1.94	ng	0.00

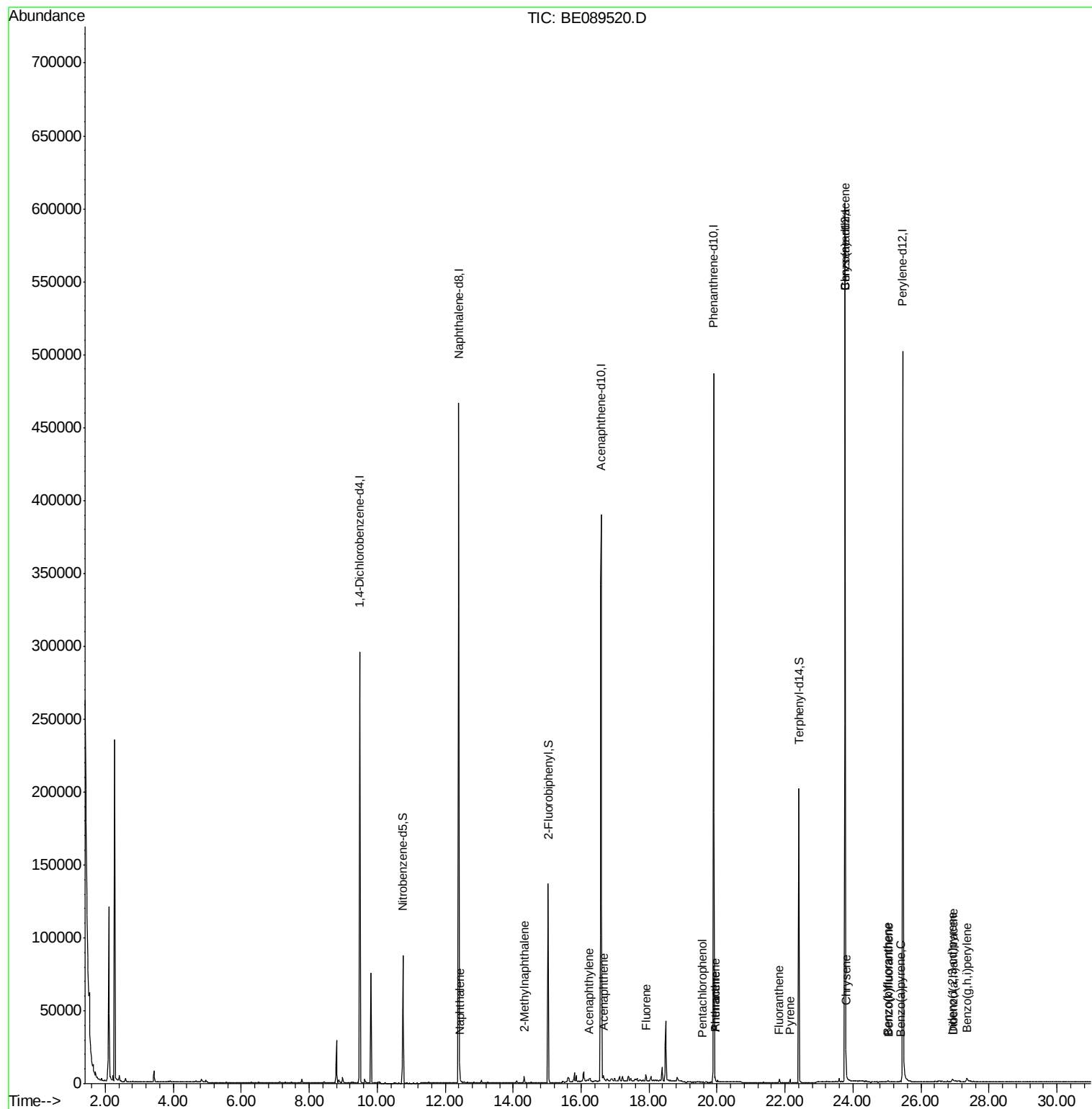
Target Compounds						Qvalue
4) Naphthalene	12.44	128	1222	0.01	ng	# 81
5) 2-Methylnaphthalene	14.33	142	2740	0.03	ng	# 88
8) Acenaphthylene	16.23	152	3432	0.01	ng	# 74
9) Acenaphthene	16.65	154	742	0.01	ng	# 65
10) Fluorene	17.91	166	1238	0.05	ng	# 93
12) Pentachlorophenol	19.57	266	32	0.00	ng	# 65
13) Phenanthrene	19.94	178	2933	0.02	ng	# 97
14) Anthracene	19.94	178	2933	0.08	ng	# 100
15) Fluoranthene	21.83	202	1663	0.07	ng	# 92
17) Pyrene	22.15	202	1744	0.01	ng	# 97
19) Benzo(a)anthracene	23.76	228	9329	0.05	ng	# 76
20) Chrysene	23.79	228	4593	0.02	ng	# 85
21) Indeno(1,2,3-cd)pyrene	26.92	276	3651	0.07	ng	# 98
23) Benzo(b)fluoranthene	25.02	252	978	0.12	ng	# 34
24) Benzo(k)fluoranthene	25.04	252	878	0.01	ng	# 30
25) Benzo(a)pyrene	25.39	252	735	0.11	ng	# 14
26) Dibenzo(a,h)anthracene	26.95	278	574	0.07	ng	# 25
27) Benzo(g,h,i)perylene	27.35	276	4660	0.04	ng	# 60

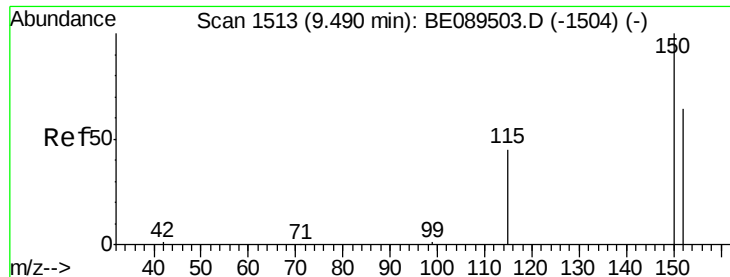
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

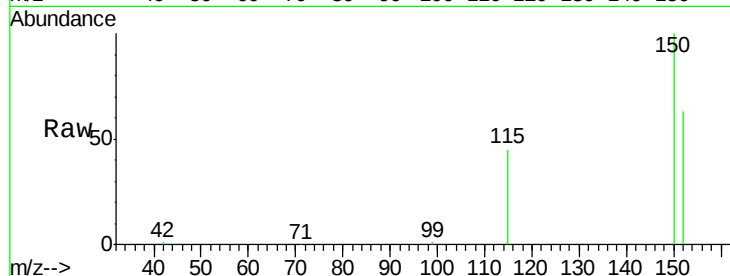
Tgt Ion:152 Resp: 120647

Ion Ratio Lower Upper

152 100

150 159.1 125.0 187.6

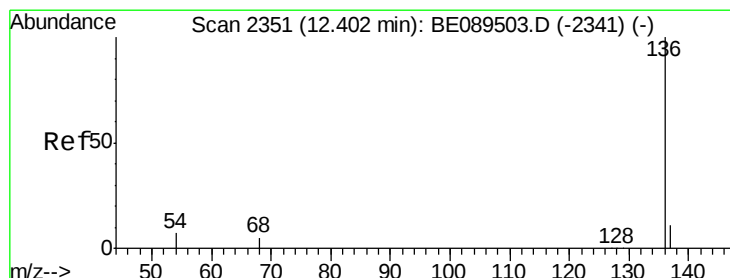
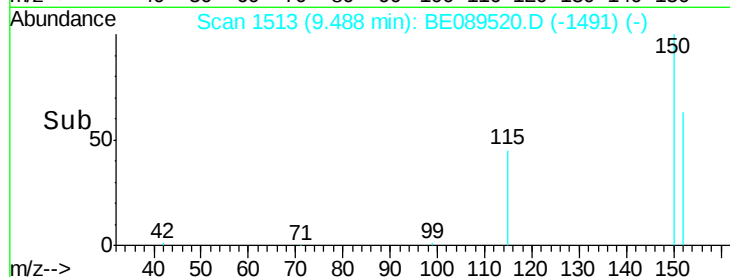
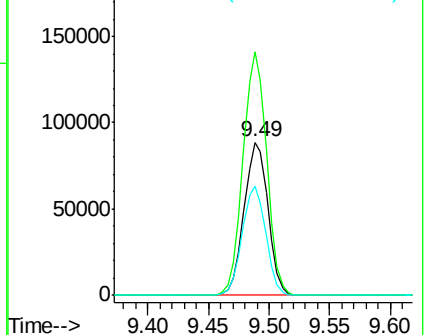
115 71.2 56.6 85.0



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# 2352

Delta R.T. 0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

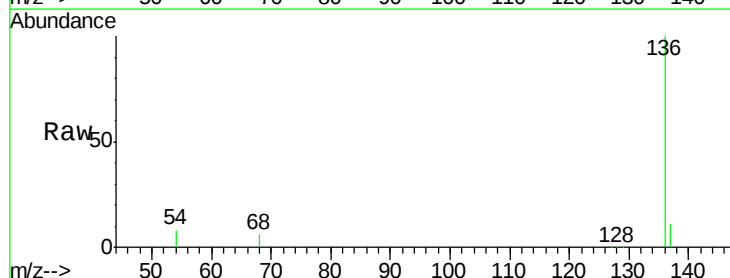
Tgt Ion:136 Resp: 530773

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

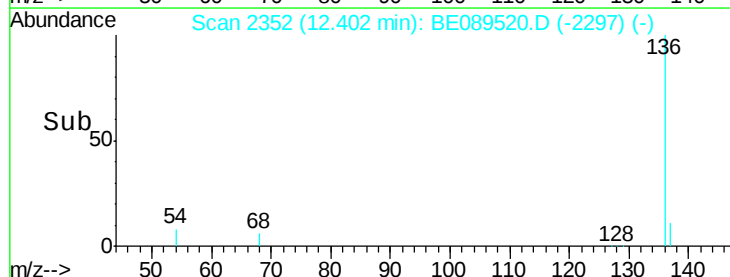
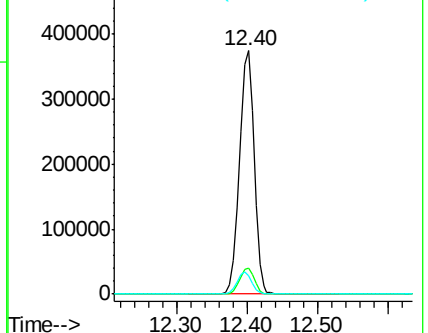
54 7.7 6.0 9.0

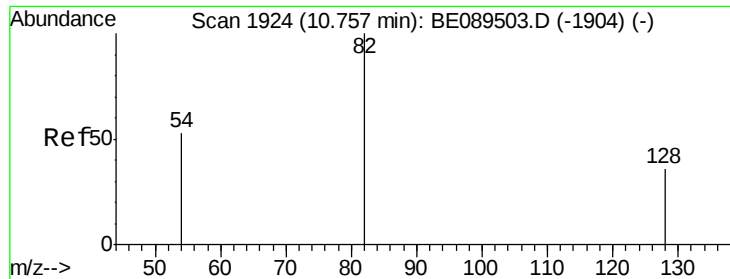


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.49 ng

RT: 10.76 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

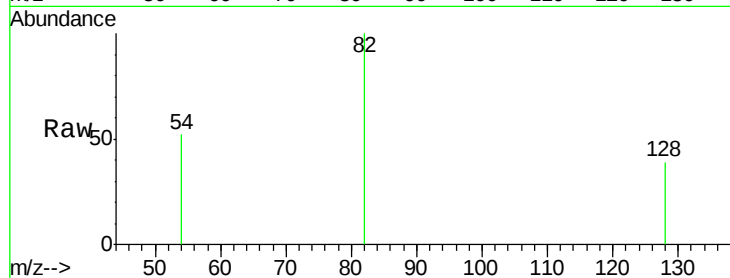
Tgt Ion: 82 Resp: 60369

Ion Ratio Lower Upper

82 100

128 39.2 29.3 43.9

54 52.0 42.6 64.0

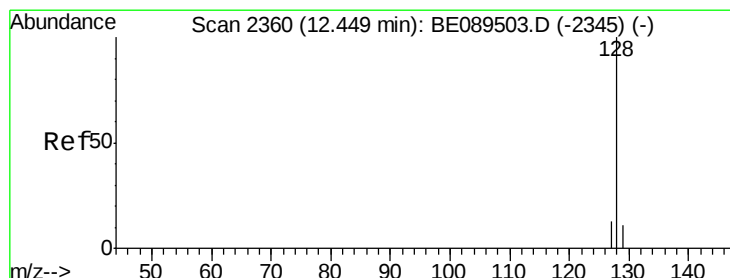
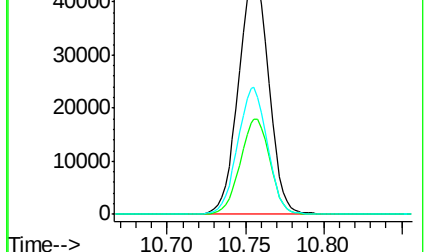
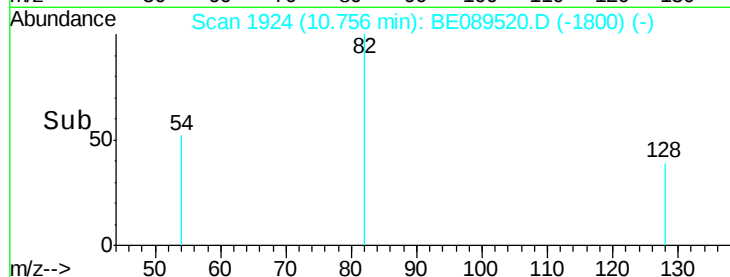


Abundance Ion 82.00 (81.70 to 82.70): BE089520.D (-2304) (-)

Ion 128.00 (127.70 to 128.70): BE089520.D (-2304) (-)

Ion 54.00 (53.70 to 54.70): BE089520.D (-2304) (-)

Time-->



#4

Naphthalene

Concen: 0.01 ng

RT: 12.44 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

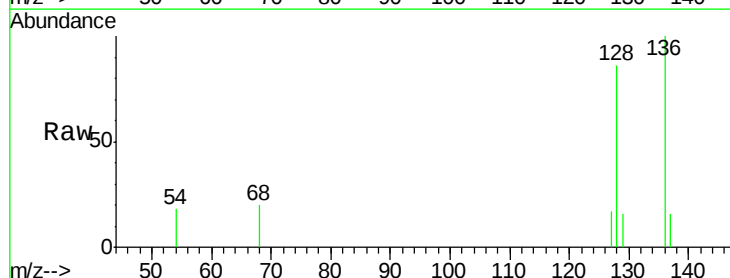
Tgt Ion: 128 Resp: 1222

Ion Ratio Lower Upper

128 100

129 18.6 8.8 13.2#

127 19.9 10.3 15.5#

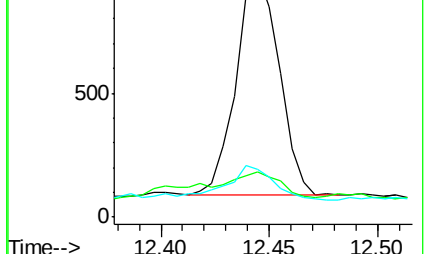
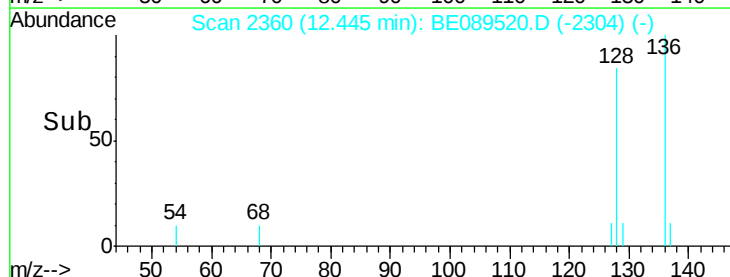


Abundance Ion 128.00 (127.70 to 128.70): BE089520.D (-2304) (-)

Ion 129.00 (128.70 to 129.70): BE089520.D (-2304) (-)

Ion 127.00 (126.70 to 127.70): BE089520.D (-2304) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.03 ng

RT: 14.33 min Scan# 2743

Delta R.T. 0.22 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

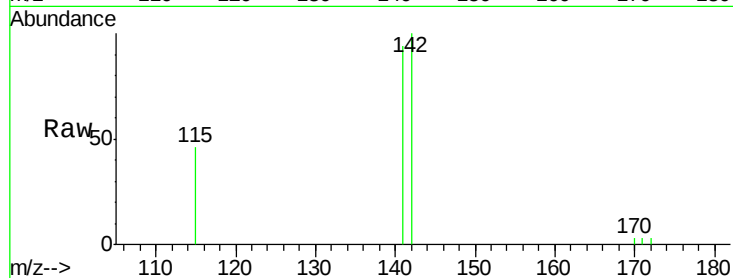
Tgt Ion:142 Resp: 2740

Ion Ratio Lower Upper

142 100

141 94.1 66.3 99.5

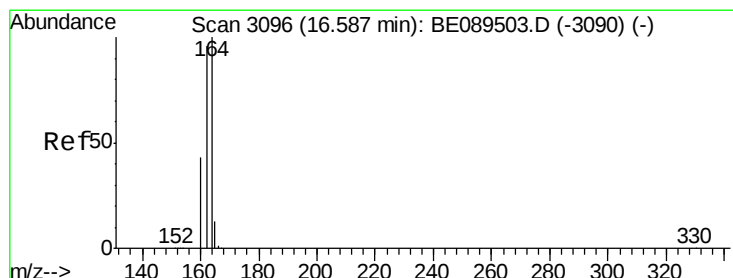
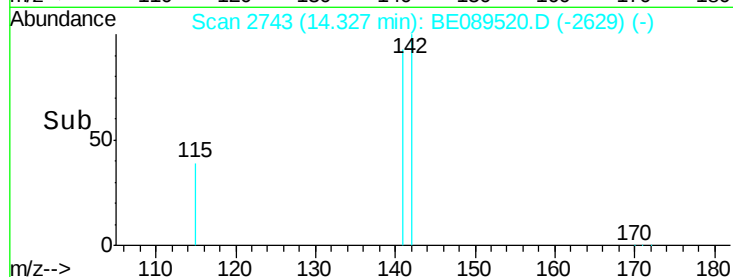
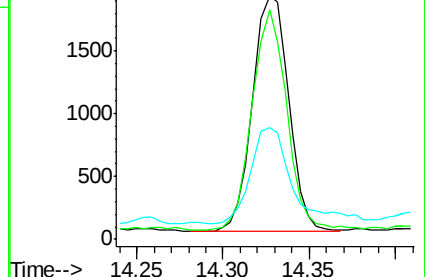
115 46.1 31.1 46.7



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: BE089520.D

Acq: 6 Feb 2015 3:32

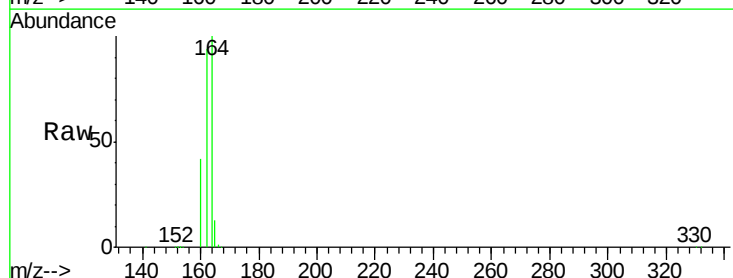
Tgt Ion:164 Resp: 250393

Ion Ratio Lower Upper

164 100

162 94.0 76.6 115.0

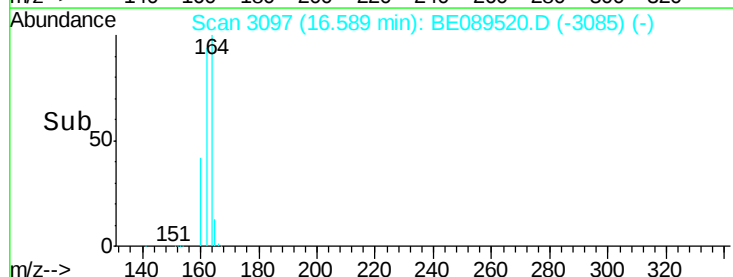
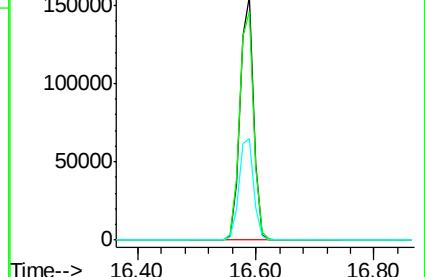
160 41.9 34.6 52.0



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: 1.55 ng

RT: 15.03 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

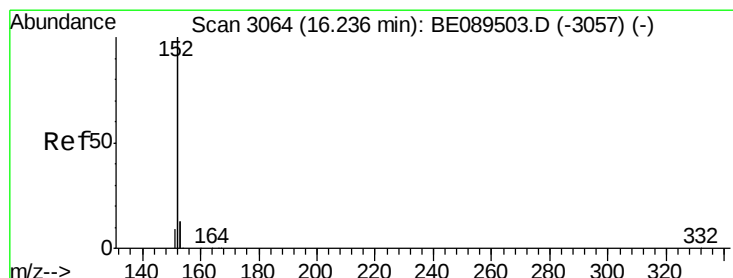
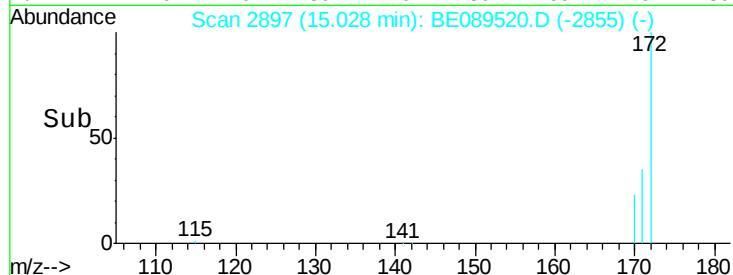
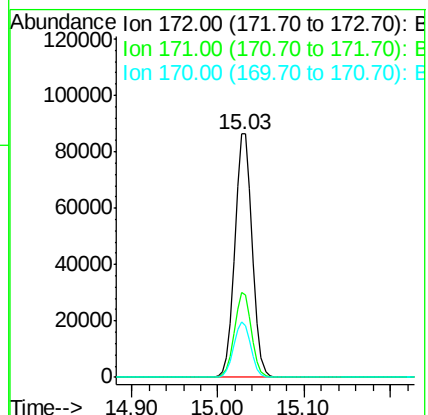
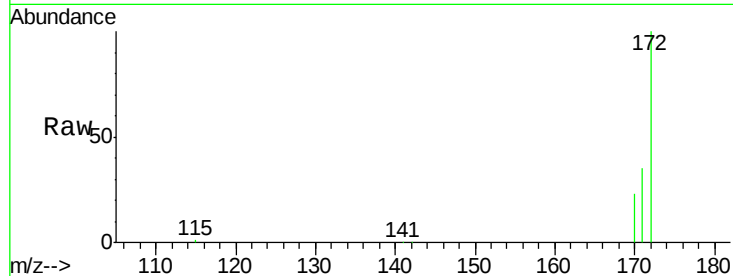
Tgt Ion:172 Resp: 122399

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.0 18.4 27.6



#8

Acenaphthylene

Concen: 0.01 ng

RT: 16.23 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

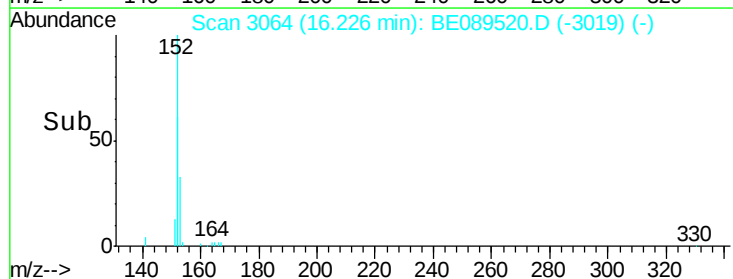
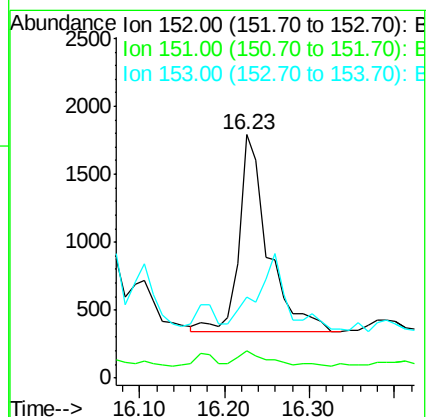
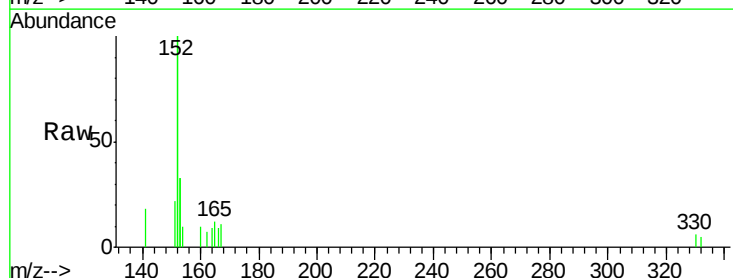
Tgt Ion:152 Resp: 3432

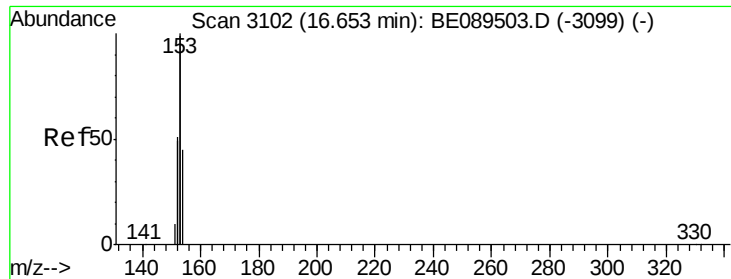
Ion Ratio Lower Upper

152 100

151 7.8 3.9 5.9#

153 0.0 10.4 15.6#





#9

Acenaphthene

Concen: 0.01 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

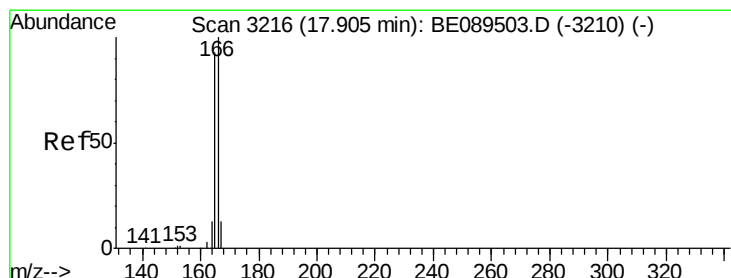
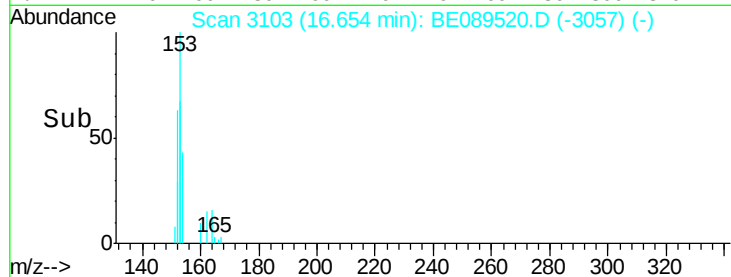
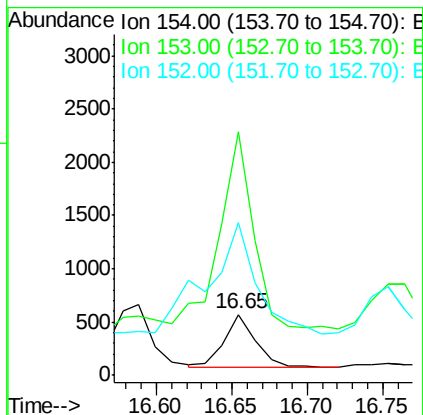
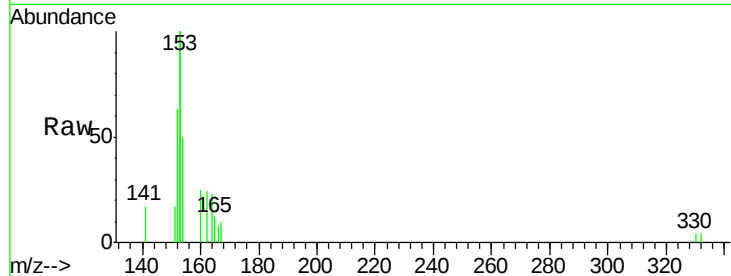
Tgt Ion:154 Resp: 742

Ion Ratio Lower Upper

154 100

153 419.8 341.5 512.3

152 365.0 166.6 249.8#



#10

Fluorene

Concen: 0.05 ng

RT: 17.91 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

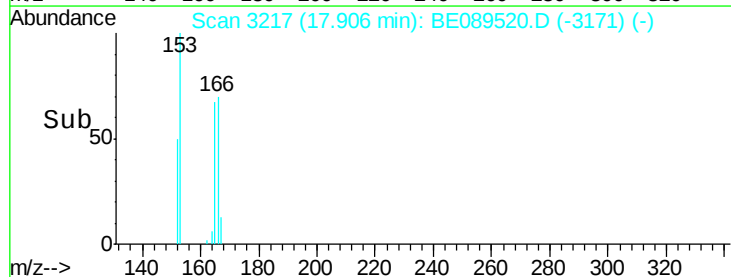
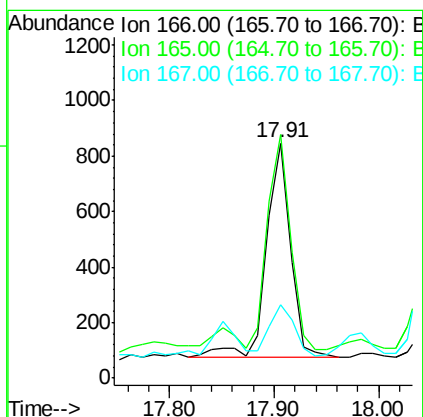
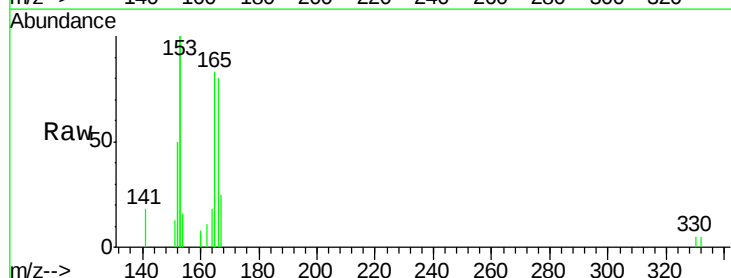
Tgt Ion:166 Resp: 1238

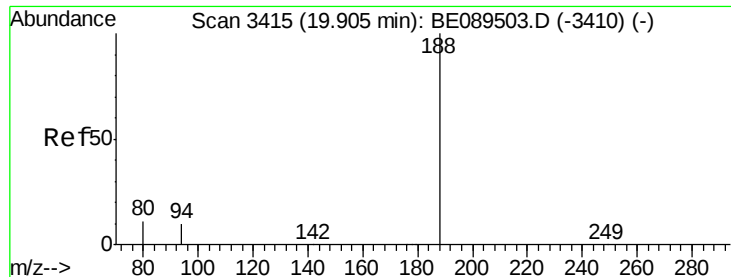
Ion Ratio Lower Upper

166 100

165 95.6 73.6 110.4

167 24.1 10.6 15.8#

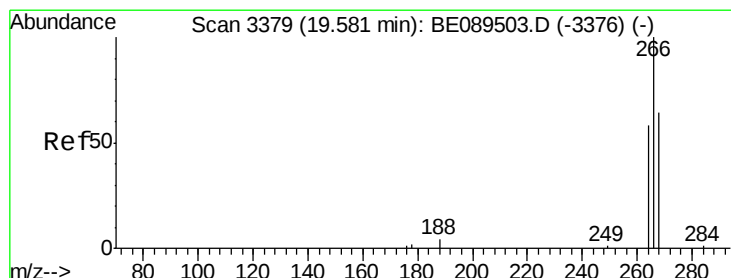
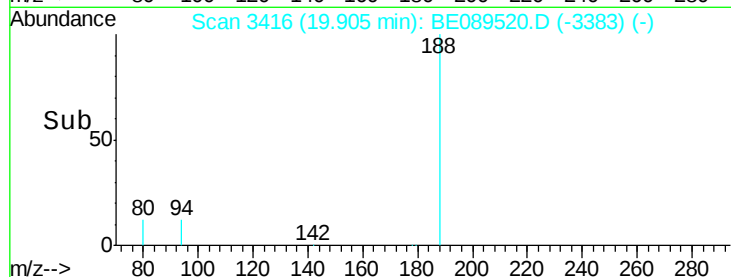
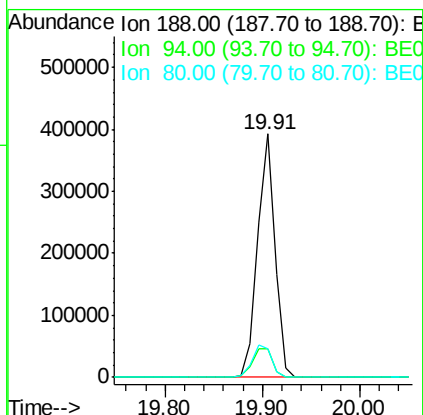
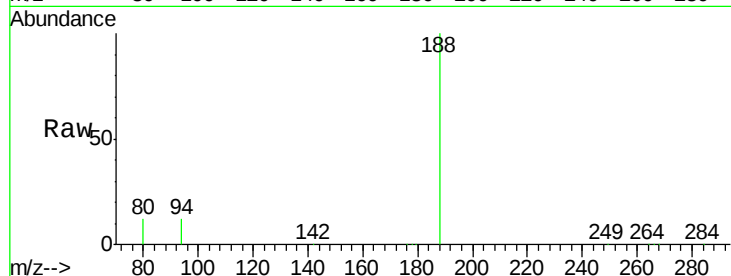




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: BE089520.D
Acq: 6 Feb 2015 3:32

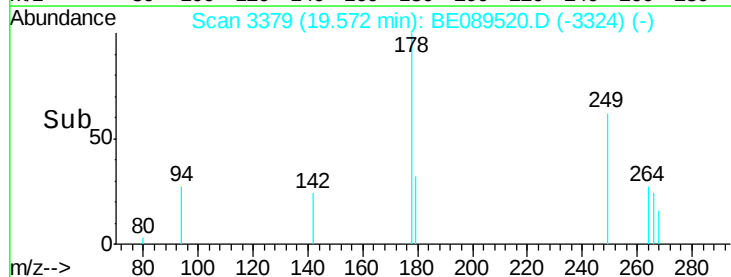
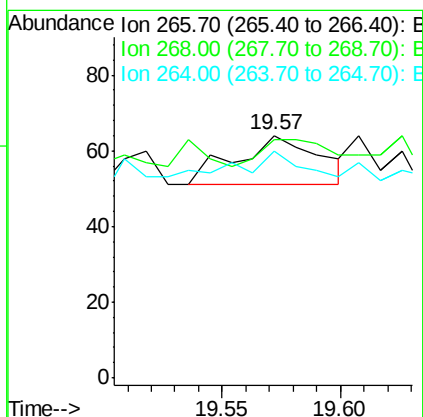
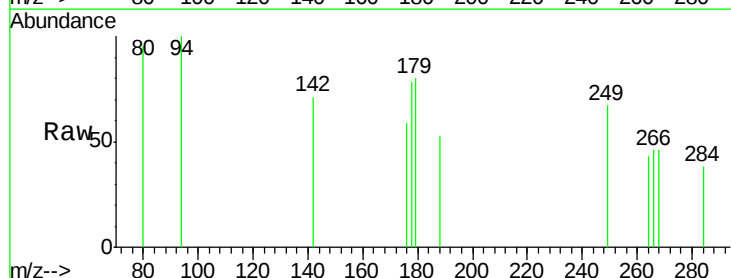
Instrument :
BNA_E
ClientSampleId :
YT-MW-11

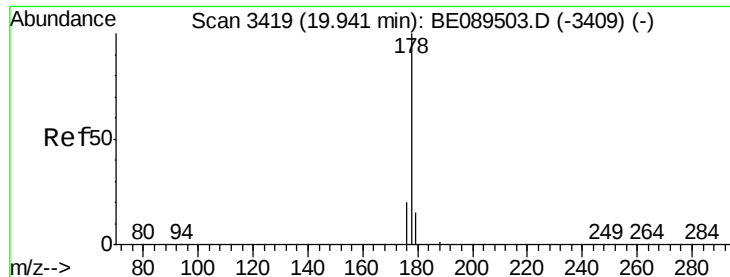
Tgt Ion:188 Resp: 478559
Ion Ratio Lower Upper
188 100
94 11.7 8.2 12.4
80 11.9 8.7 13.1



#12
Pentachlorophenol
Concen: 0.00 ng
RT: 19.57 min Scan# 3379
Delta R.T. -0.01 min
Lab File: BE089520.D
Acq: 6 Feb 2015 3:32

Tgt Ion:266 Resp: 32
Ion Ratio Lower Upper
266 100
268 98.4 56.7 85.1#
264 93.8 51.9 77.9#





#13

Phenanthrene

Concen: 0.02 ng

RT: 19.94 min Scan# 3420

Delta R.T. 0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

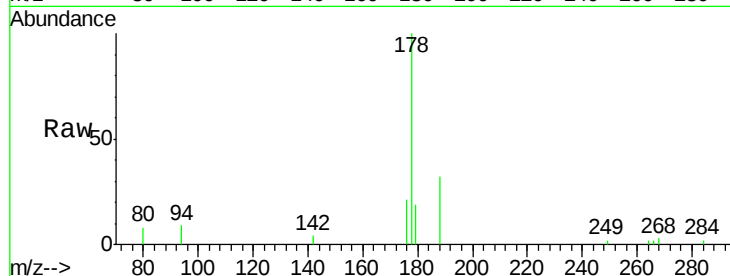
Tgt Ion:178 Resp: 2933

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.0

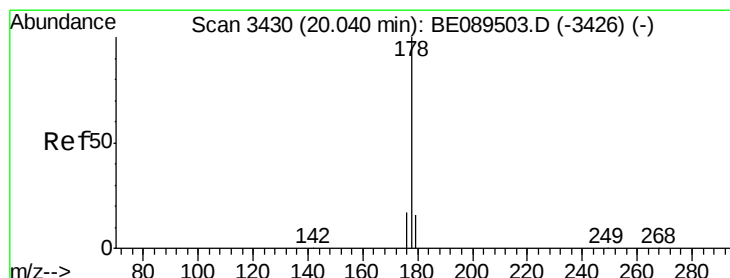
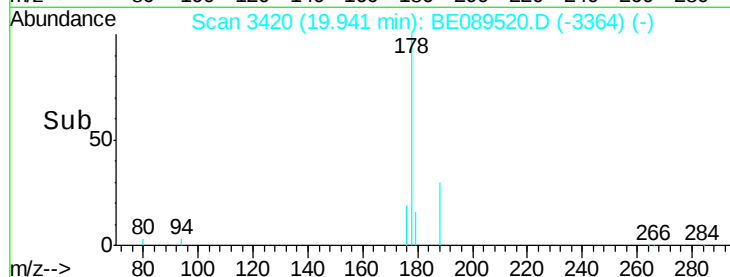
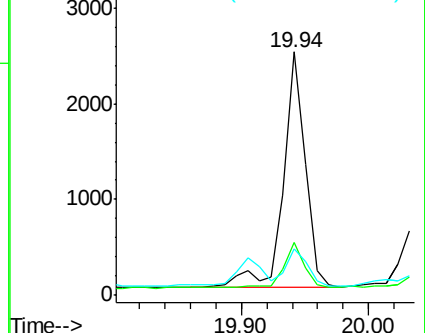
179 14.9 12.4 18.6



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: 0.08 ng

RT: 19.94 min Scan# 3420

Delta R.T. -0.10 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

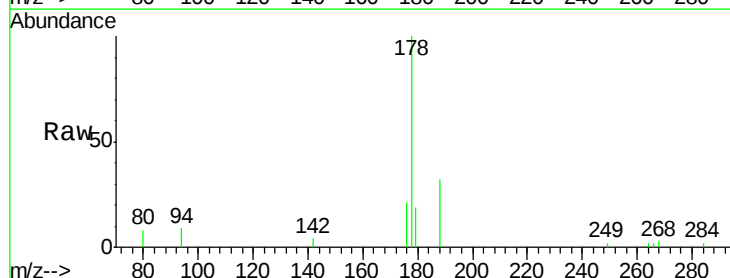
Tgt Ion:178 Resp: 2933

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

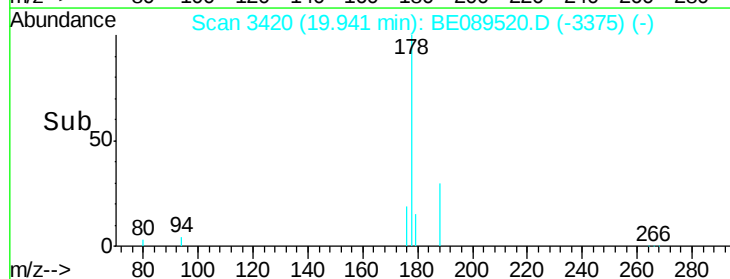
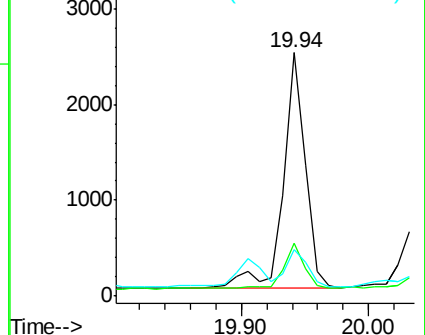
179 15.2 12.1 18.1

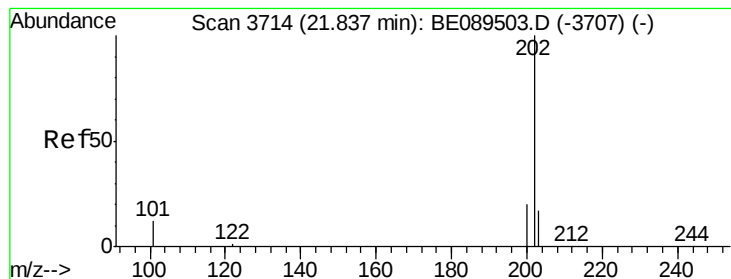


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.07 ng

RT: 21.83 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

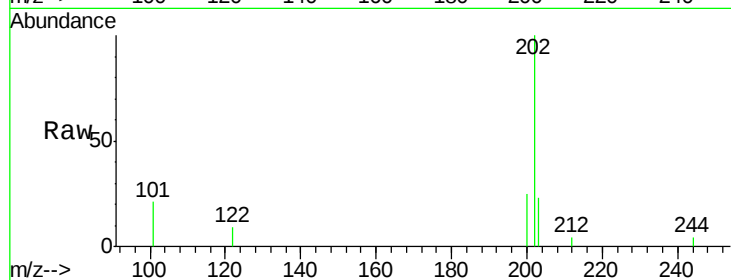
Tgt Ion:202 Resp: 1663

Ion Ratio Lower Upper

202 100

101 17.1 11.3 16.9#

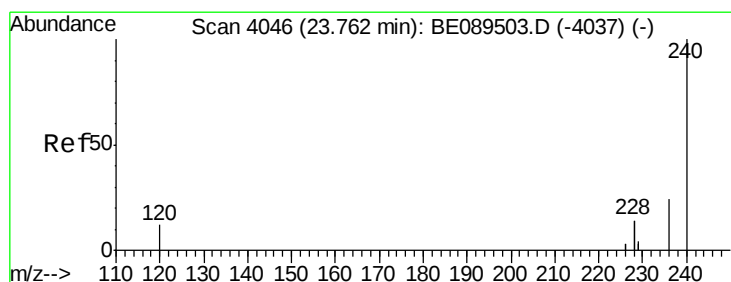
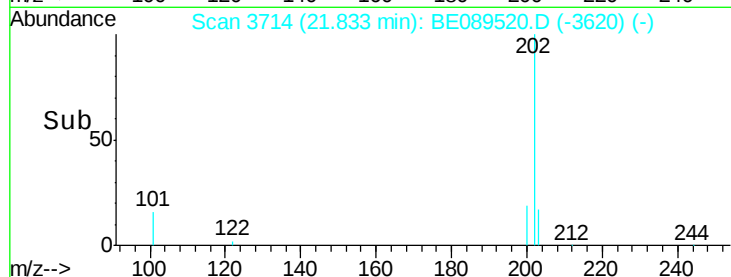
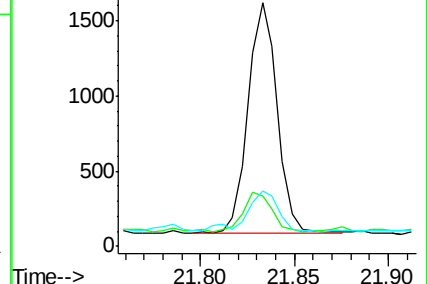
203 20.6 13.8 20.6



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: 23.77 min Scan# 4048

Delta R.T. 0.01 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

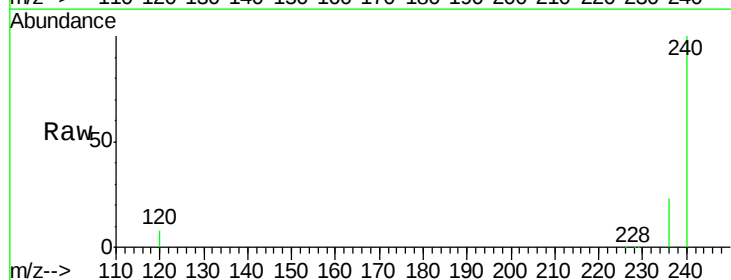
Tgt Ion:240 Resp: 493860

Ion Ratio Lower Upper

240 100

120 8.2 9.6 14.4#

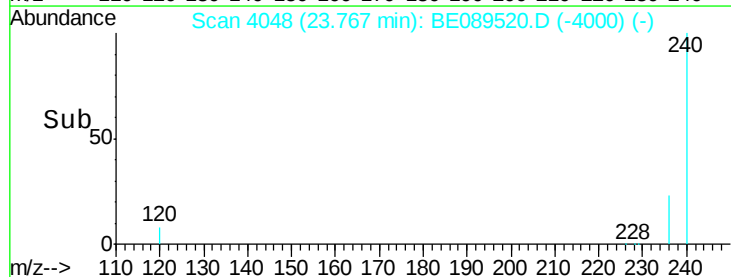
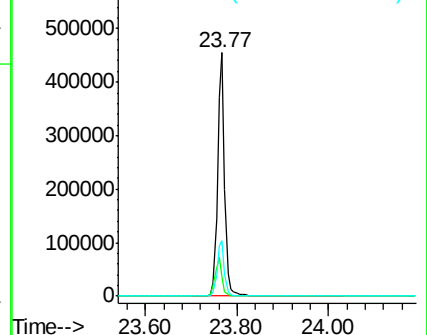
236 23.0 19.4 29.2

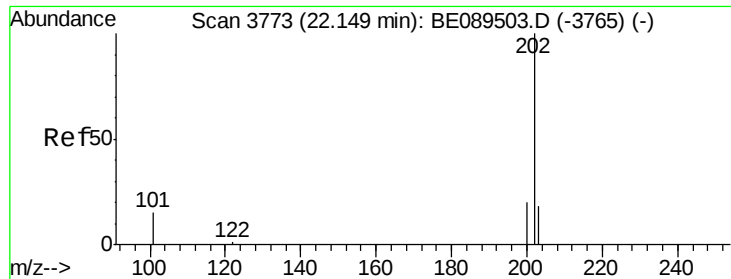


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

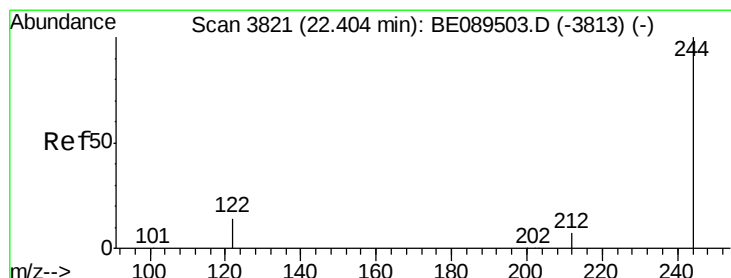
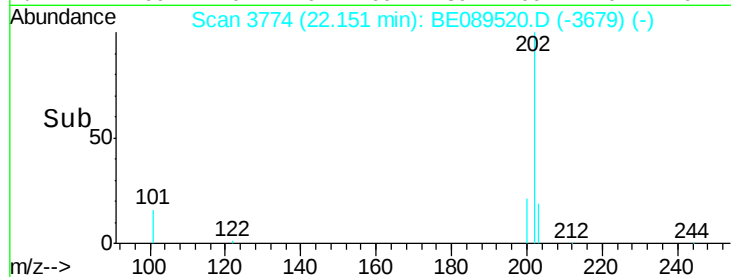
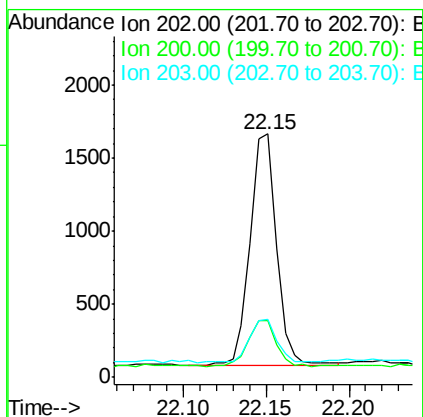
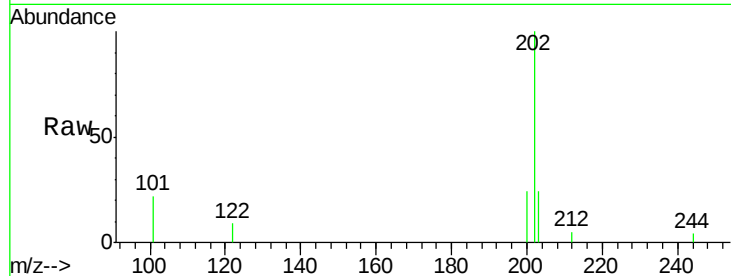




#17
 Pyrene
 Concen: 0.01 ng
 RT: 22.15 min Scan# 3774
 Delta R.T. 0.00 min
 Lab File: BE089520.D
 Acq: 6 Feb 2015 3:32

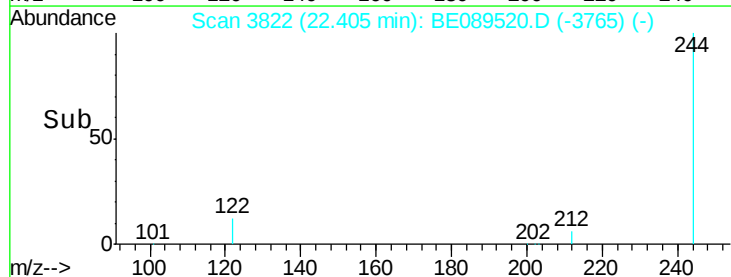
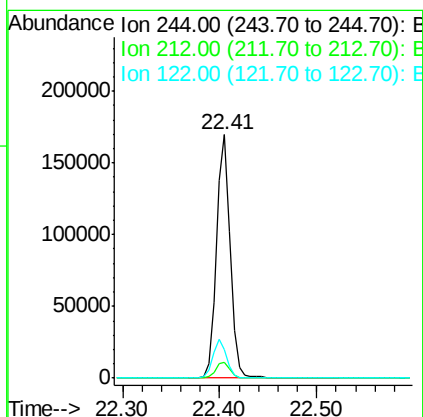
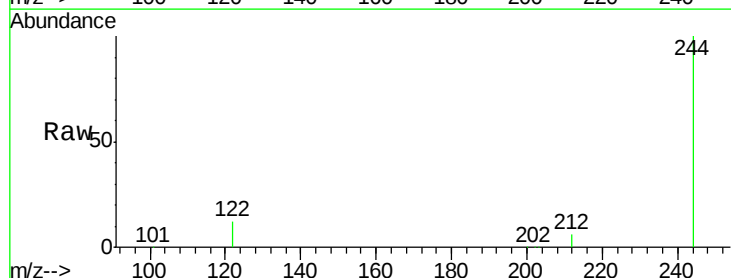
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-11

Tgt Ion: 202 Resp: 1744
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.5 24.7
 203 20.4 14.0 21.0



#18
 Terphenyl-d14
 Concen: 1.94 ng
 RT: 22.41 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: BE089520.D
 Acq: 6 Feb 2015 3:32

Tgt Ion: 244 Resp: 166278
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 12.0 11.1 16.7





#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 23.76 min Scan# 4047

Delta R.T. 0.01 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

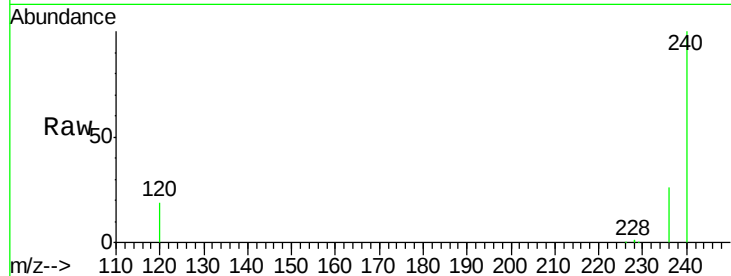
Tgt Ion:228 Resp: 9329

Ion Ratio Lower Upper

228 100

226 17.2 21.0 31.6#

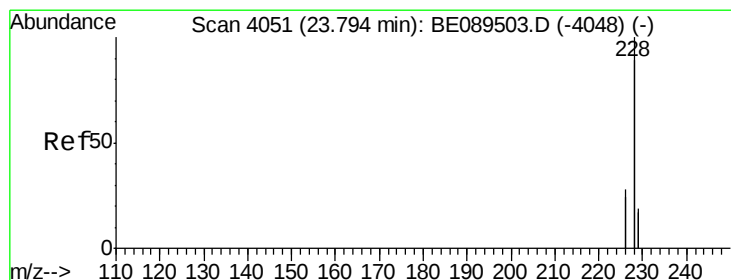
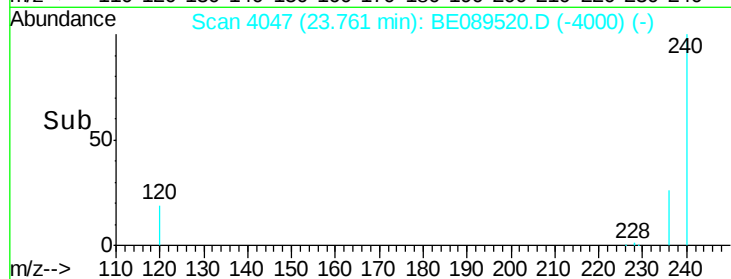
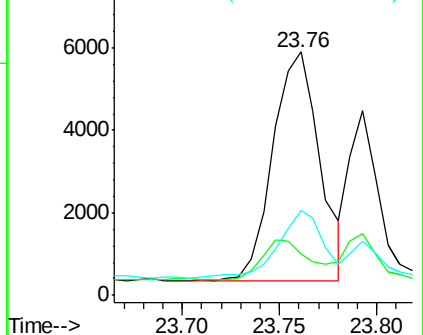
229 34.7 15.5 23.3#



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: 0.02 ng

RT: 23.79 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

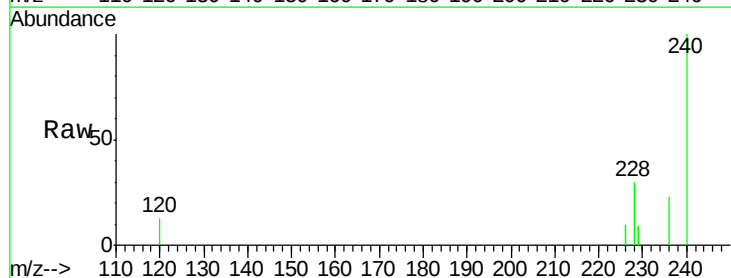
Tgt Ion:228 Resp: 4593

Ion Ratio Lower Upper

228 100

226 33.3 22.3 33.5

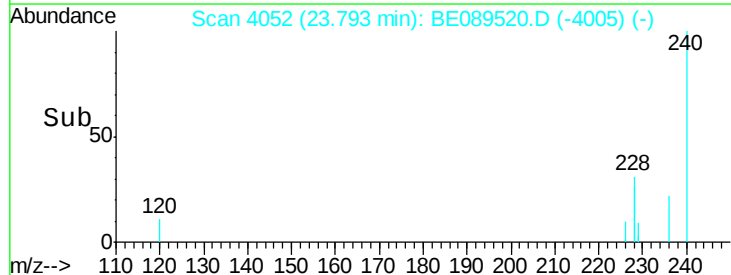
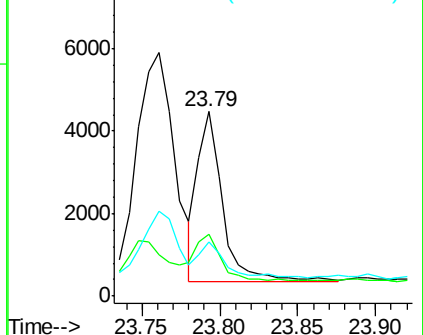
229 29.2 15.4 23.0#

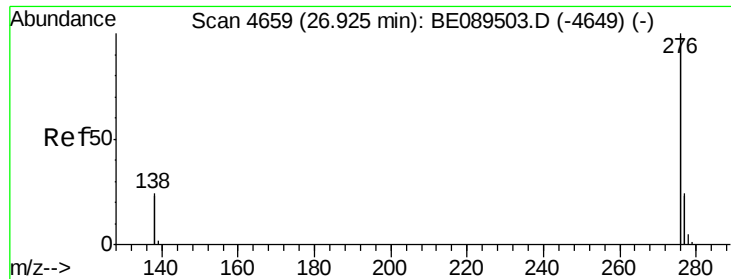


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.07 ng

RT: 26.92 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

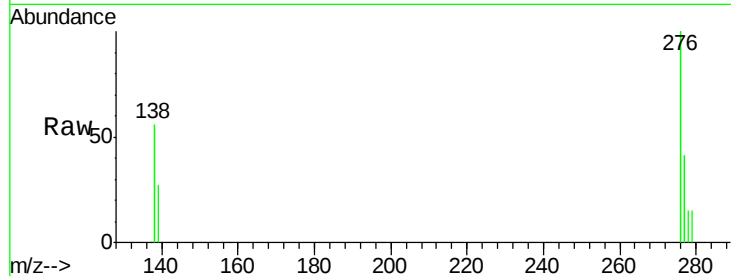
Tgt Ion:276 Resp: 3651

Ion Ratio Lower Upper

276 100

138 29.7 23.2 34.8

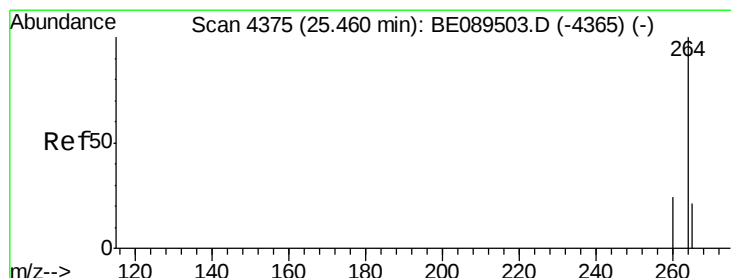
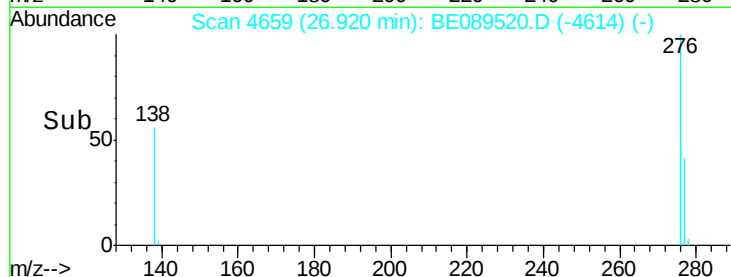
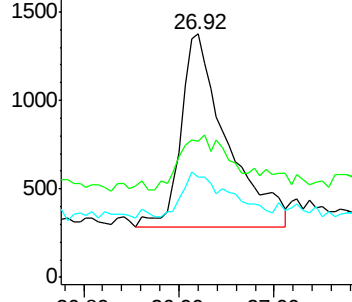
277 23.0 19.8 29.6



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# 4377

Delta R.T. 0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

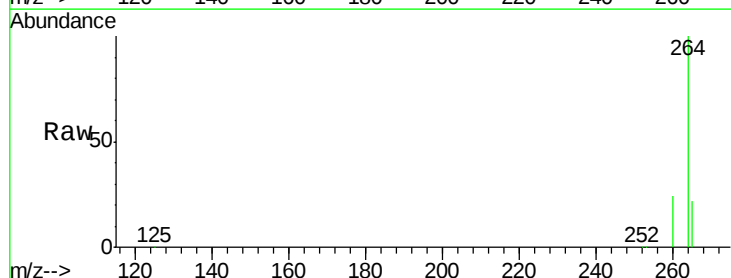
Tgt Ion:264 Resp: 458148

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

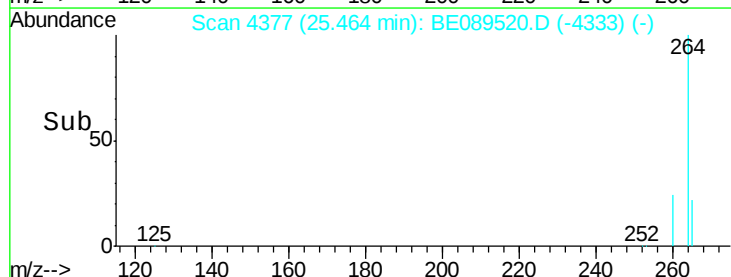
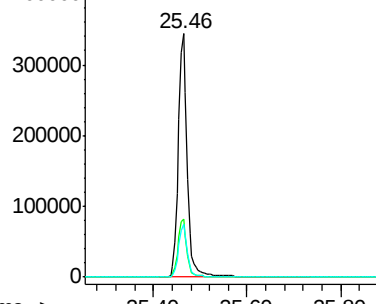
265 21.7 17.0 25.6



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: 0.12 ng

RT: 25.02 min Scan# 4279

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

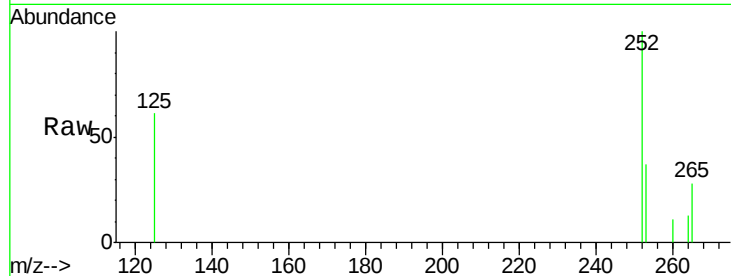
Tgt Ion:252 Resp: 978

Ion Ratio Lower Upper

252 100

253 37.0 17.4 26.0#

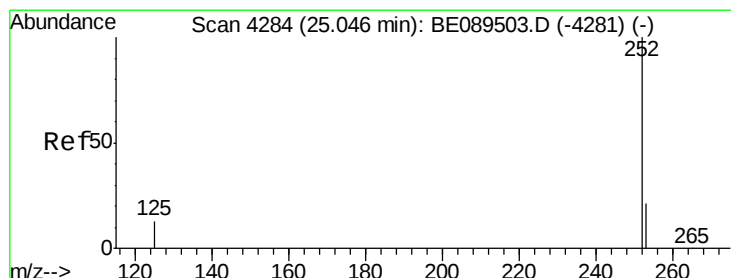
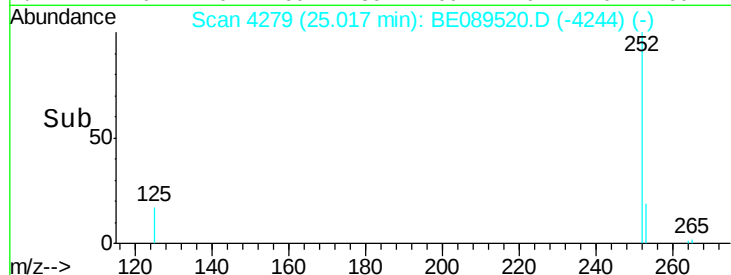
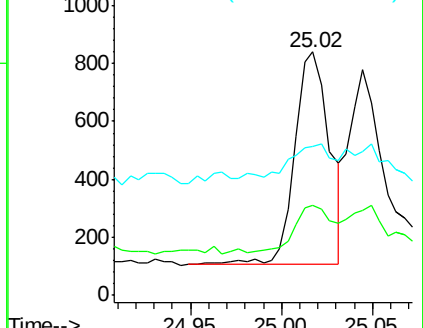
125 61.4 9.6 14.4#



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

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.04 min Scan# 4285

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

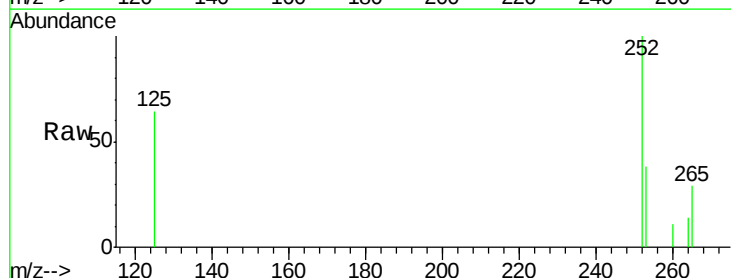
Tgt Ion:252 Resp: 878

Ion Ratio Lower Upper

252 100

253 37.7 17.0 25.6#

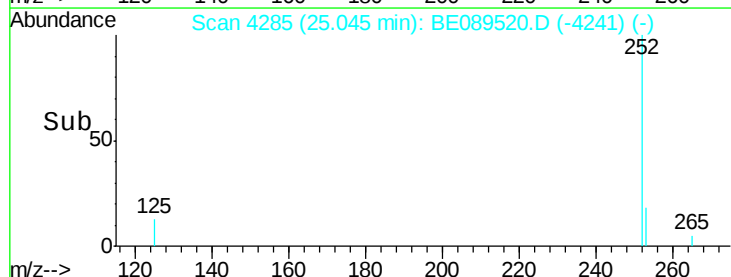
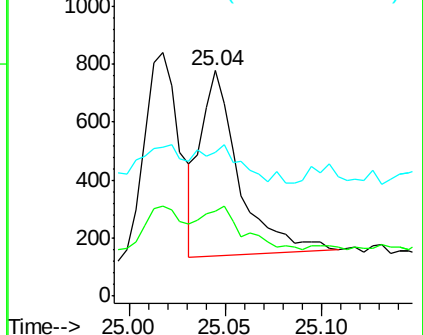
125 63.8 10.2 15.4#



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





#25

Benzo(a)pyrene

Concen: 0.11 ng

RT: 25.39 min Scan# 4361

Delta R.T. -0.00 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11

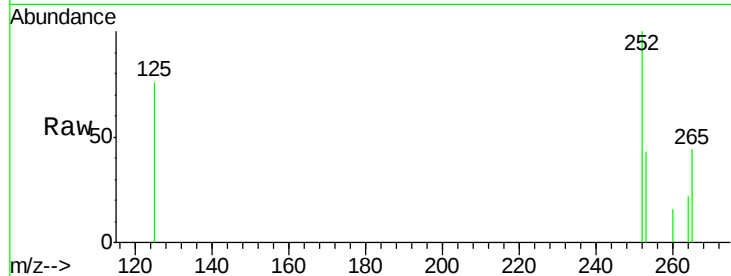
Tgt Ion: 252 Resp: 735

Ion Ratio Lower Upper

252 100

253 43.3 17.8 26.6#

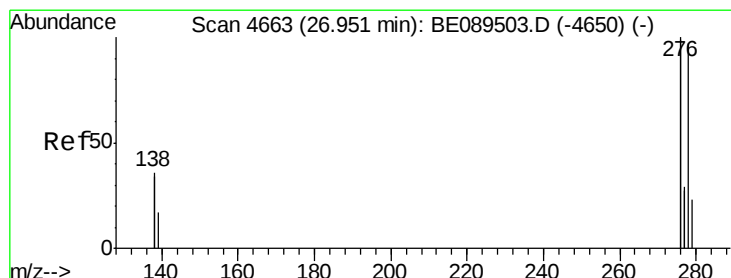
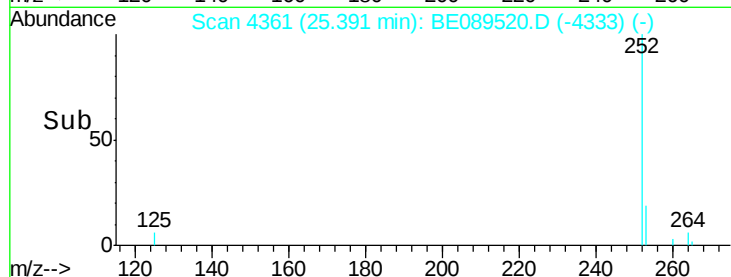
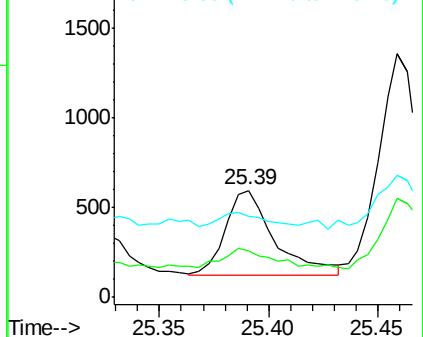
125 75.9 10.7 16.1#



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: 0.07 ng

RT: 26.95 min Scan# 4663

Delta R.T. -0.01 min

Lab File: BE089520.D

Acq: 6 Feb 2015 3:32

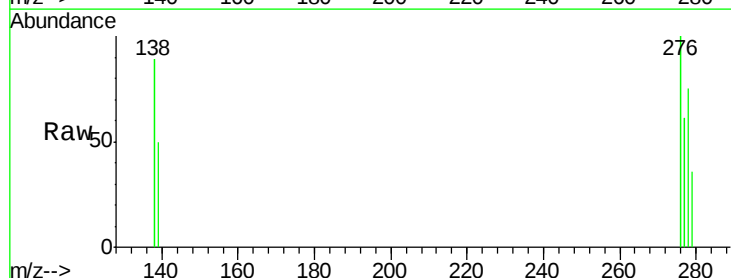
Tgt Ion: 278 Resp: 574

Ion Ratio Lower Upper

278 100

139 66.9 14.6 22.0#

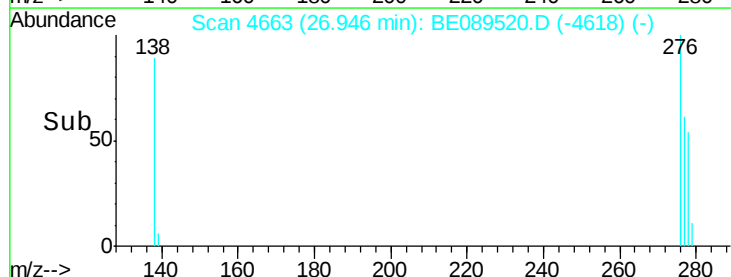
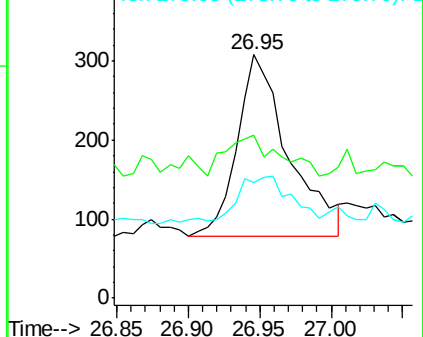
279 47.7 19.0 28.4#



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: 0.04 ng

RT: 27.35 min Scan# 4725

Delta R.T. -0.00 min

Lab File: BE089520.D

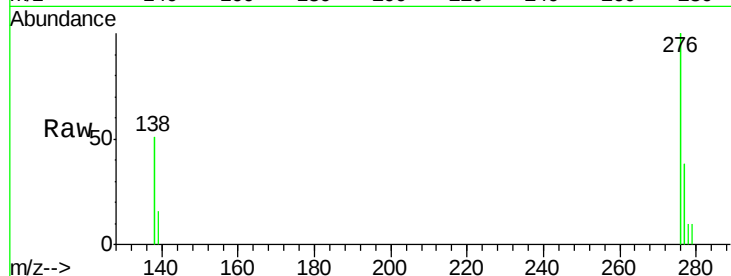
Acq: 6 Feb 2015 3:32

Instrument :

BNA_E

ClientSampleId :

YT-MW-11



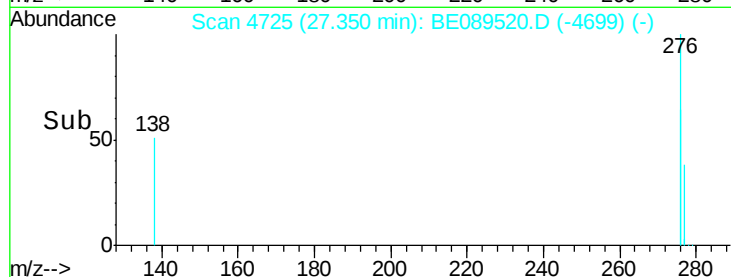
Tgt Ion: 276 Resp: 4660

Ion Ratio Lower Upper

276 100

277 38.1 18.6 28.0#

138 50.5 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

