

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071615\
 Data File : BE090144.D
 Acq On : 17 Jul 2015 7:06
 Operator : TP/IZ
 Sample : G2948-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-01-071515

Quant Time: Jul 17 07:48:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 17 04:05:30 2015
 Response via : Initial Calibration

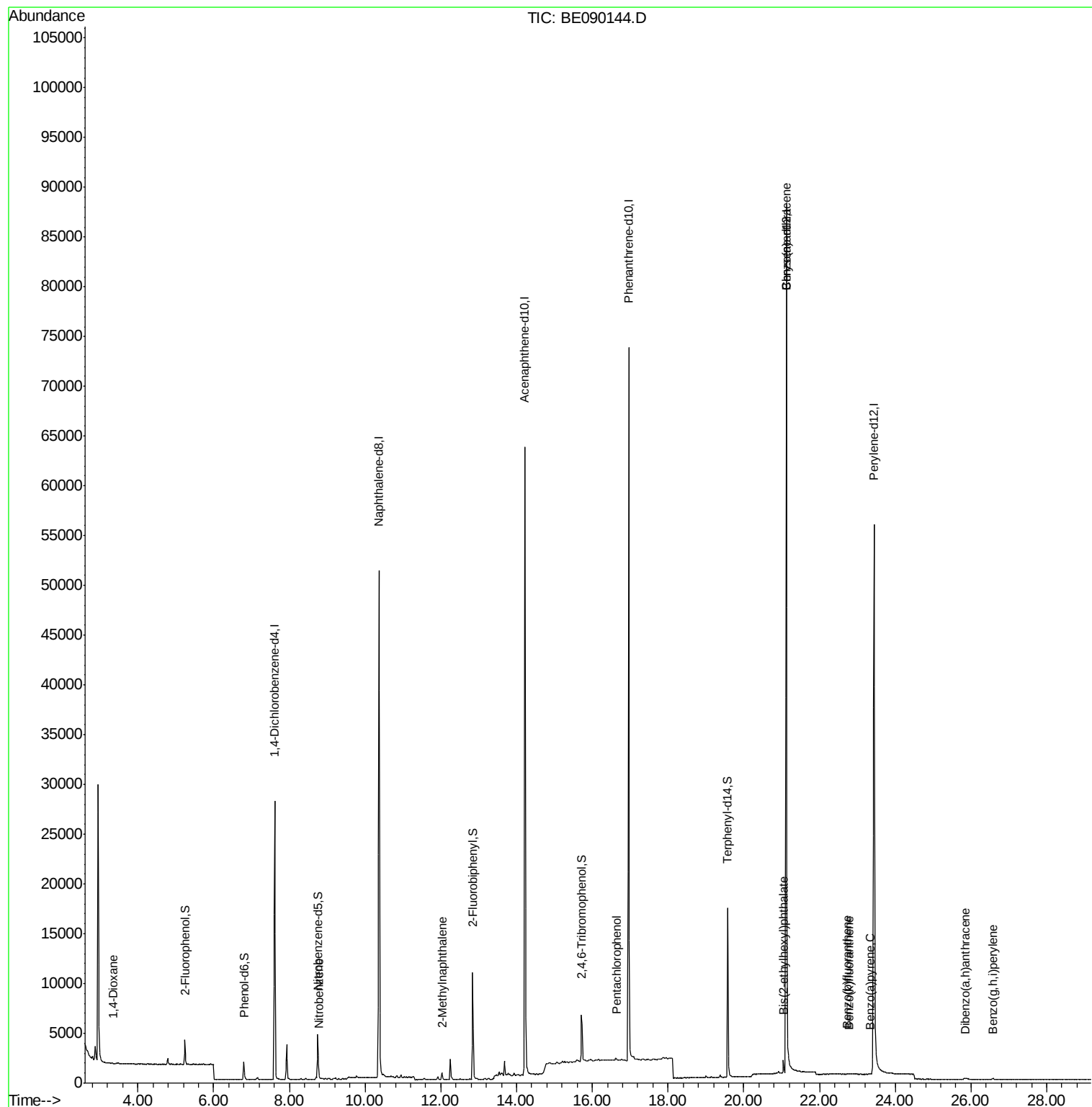
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	13924	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	67550	5.00	ng	0.00
12) Acenaphthene-d10	14.22	164	38623	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	87101	5.00	ng	0.00
25) Chrysene-d12	21.12	240	92189	5.00	ng	0.00
32) Perylene-d12	23.44	264	83883	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	1899	0.64	ng	0.00
5) Phenol-d6	6.80	99	2182	0.52	ng	0.00
7) Nitrobenzene-d5	8.75	82	4292	0.86	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	2533	2.26	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	11138	0.94	ng	0.00
27) Terphenyl-d14	19.58	244	19400	1.25	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.35	88	59	0.03	ng	# 20
8) Nitrobenzene	8.79	77	160	0.03	ng	# 9
11) 2-Methylnaphthalene	12.03	142	581	0.06	ng	# 90
21) Pentachlorophenol	16.63	266	180	0.78	ng	# 90
28) Benzo(a)anthracene	21.11	228	370	0.02	ng	# 57
30) Bis(2-ethylhexyl)phthalate	21.05	149	1238	0.41	ng	# 93
33) Benzo(b)fluoranthene	22.73	252	131	0.02	ng	# 1
34) Benzo(k)fluoranthene	22.77	252	87	0.18	ng	# 1
35) Benzo(a)pyrene	23.32	252	99	0.40	ng	# 1
36) Dibenzo(a,h)anthracene	25.85	278	85	0.02	ng	# 1
37) Benzo(g,h,i)perylene	26.58	276	136	0.37	ng	# 1

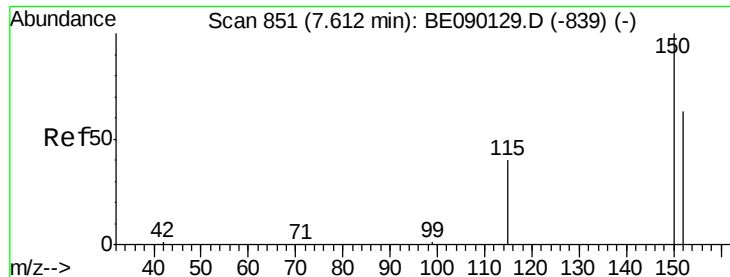
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. 0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

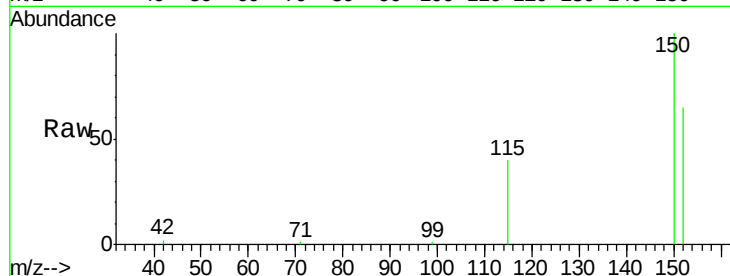
Tgt Ion:152 Resp: 13924

Ion Ratio Lower Upper

152 100

150 153.1 127.3 190.9

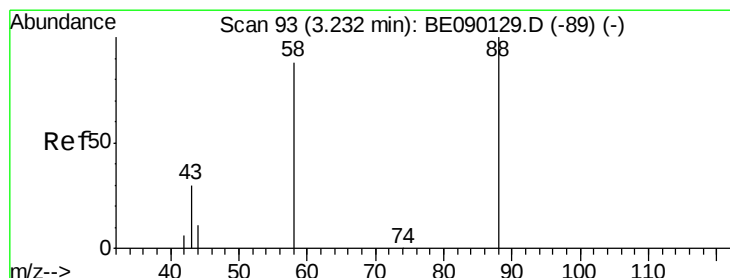
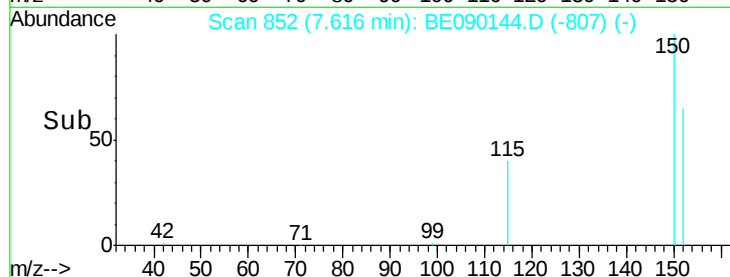
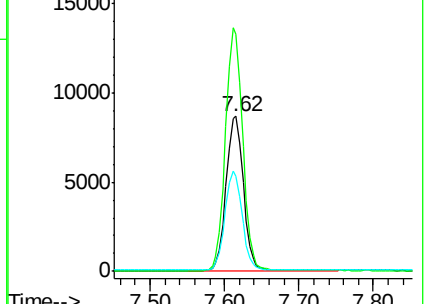
115 61.1 51.0 76.4



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

1,4-Dioxane

Concen: 0.03 ng

RT: 3.35 min Scan# 110

Delta R.T. 0.12 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

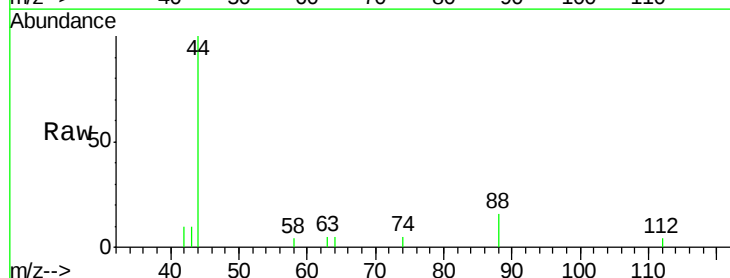
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

58 3.4 67.0 100.4#

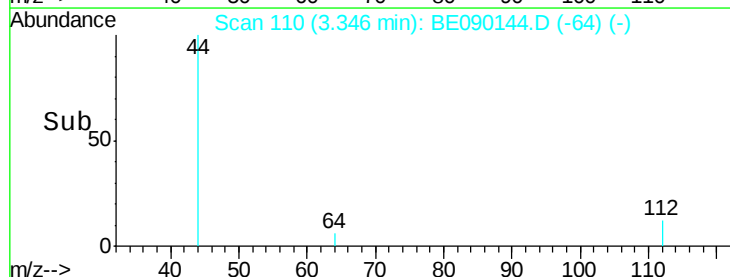
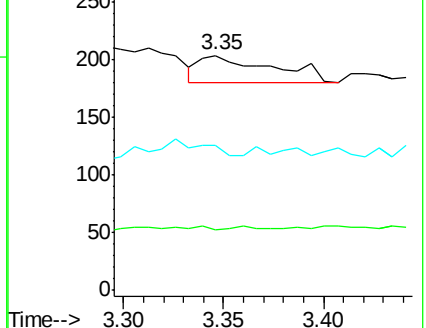
43 0.0 26.0 39.0#

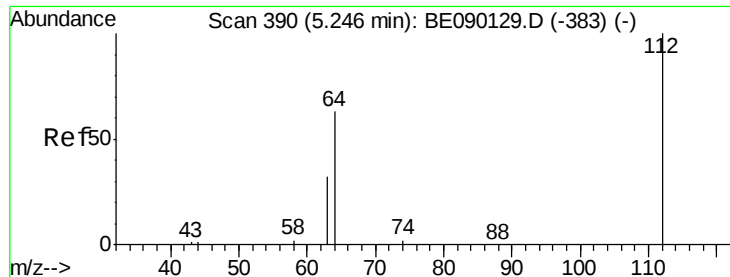


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.64 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

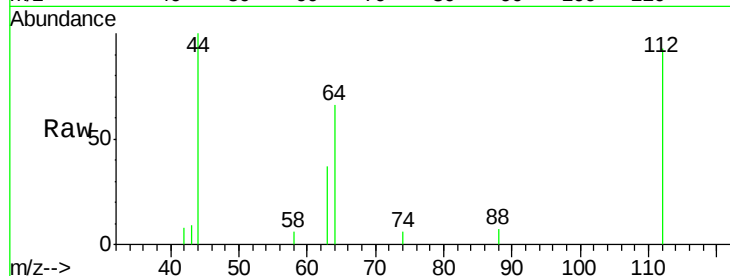
Tgt Ion: 112 Resp: 1899

Ion Ratio Lower Upper

112 100

64 69.4 55.4 83.2

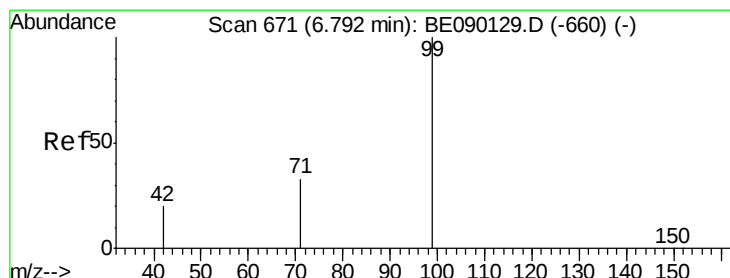
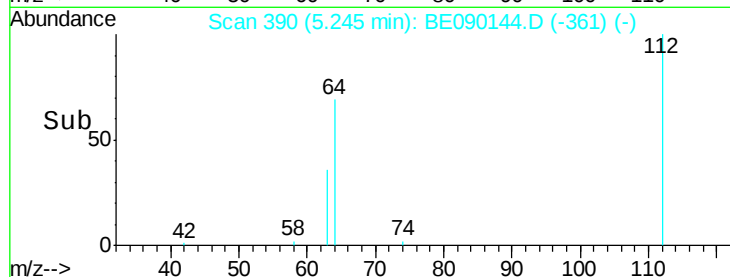
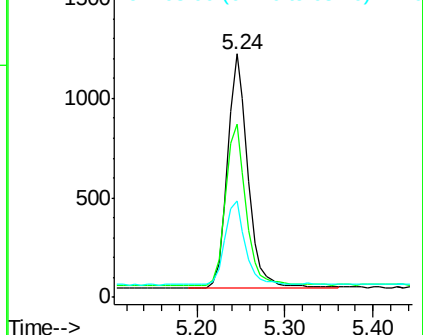
63 36.1 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.52 ng

RT: 6.80 min Scan# 673

Delta R.T. 0.01 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

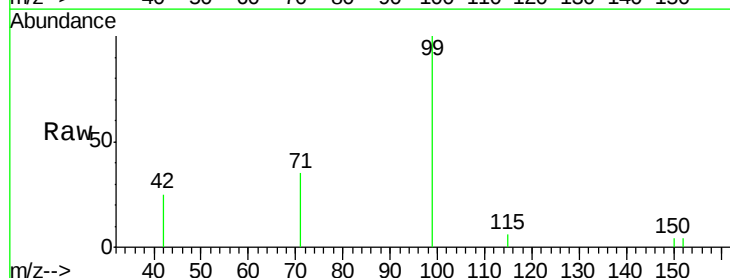
Tgt Ion: 99 Resp: 2182

Ion Ratio Lower Upper

99 100

42 18.8 16.8 25.2

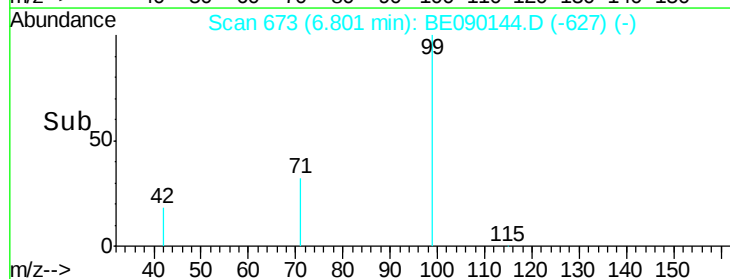
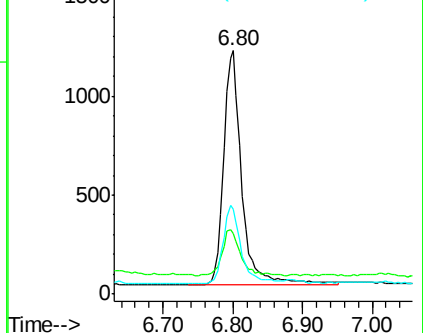
71 33.6 26.6 39.8

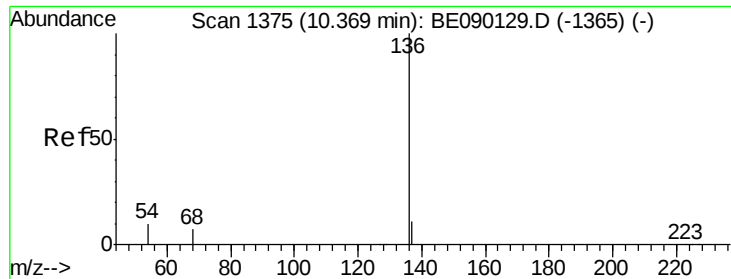


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

Tgt Ion:136 Resp: 67550

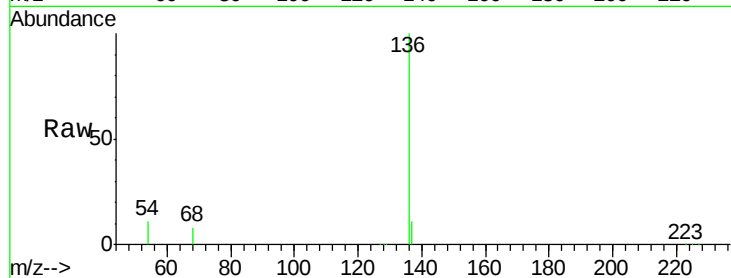
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.7 7.8 11.8

68 8.0 5.8 8.8

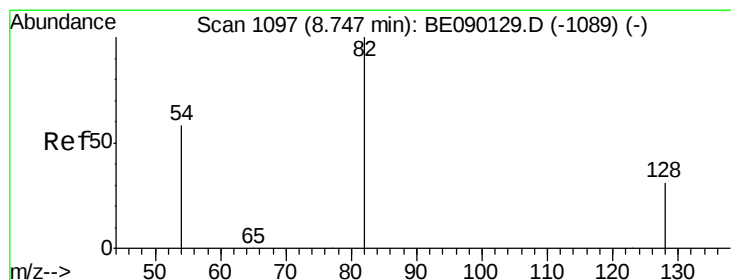
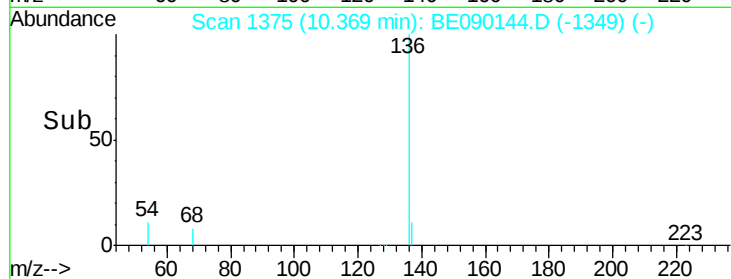
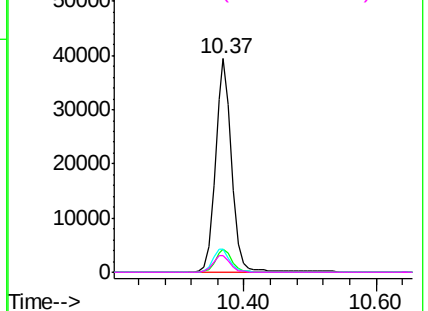


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 0.86 ng

RT: 8.75 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

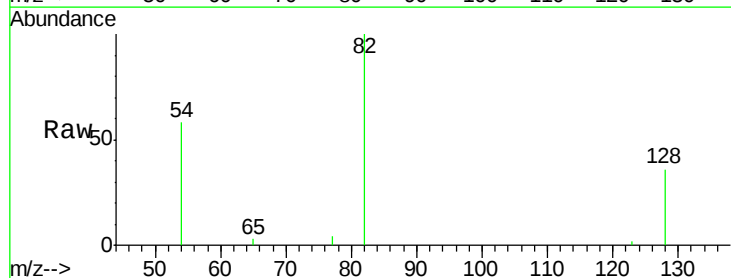
Tgt Ion: 82 Resp: 4292

Ion Ratio Lower Upper

82 100

128 36.0 26.2 39.2

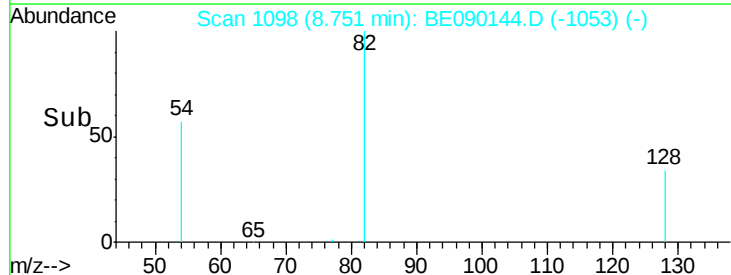
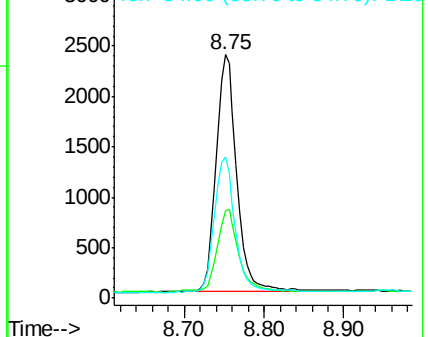
54 58.2 47.1 70.7

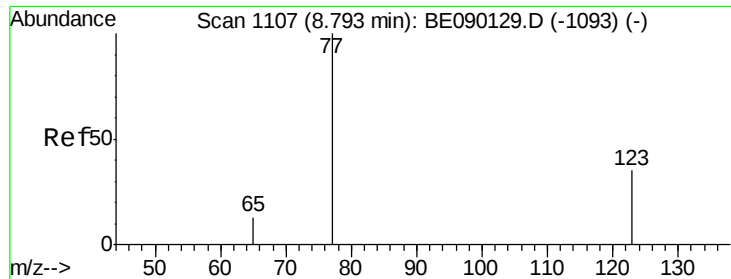


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.79 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

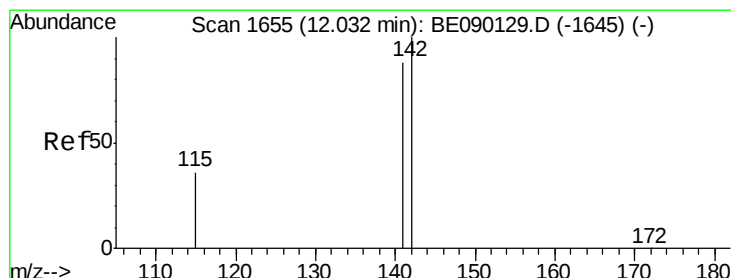
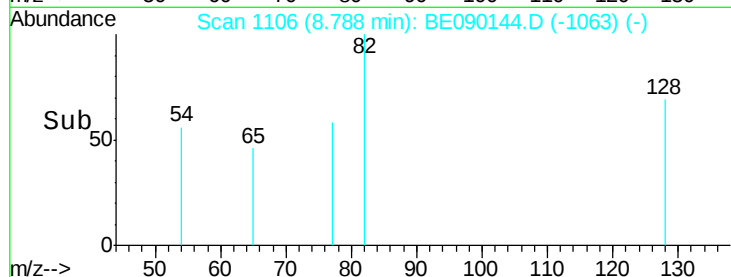
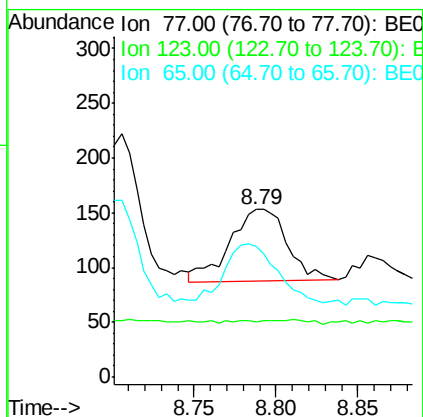
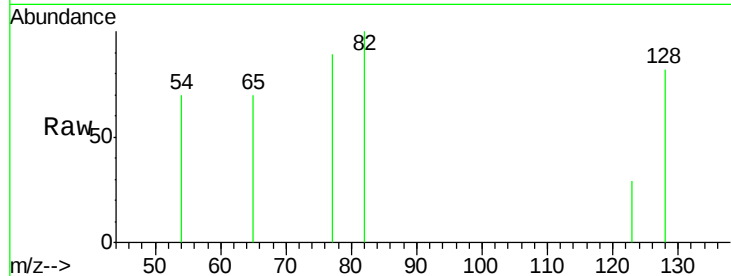
Tgt Ion: 77 Resp: 160

Ion Ratio Lower Upper

77 100

123 0.6 28.5 42.7#

65 83.1 10.2 15.2#



#11

2-Methylnaphthalene

Concen: 0.06 ng

RT: 12.03 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

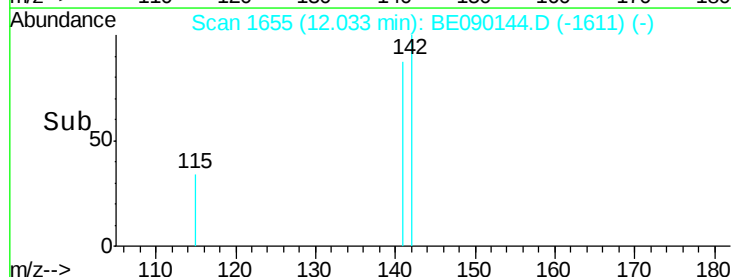
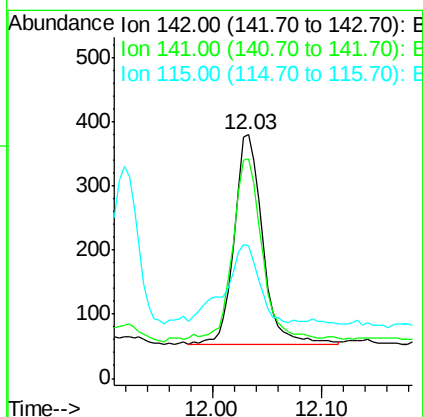
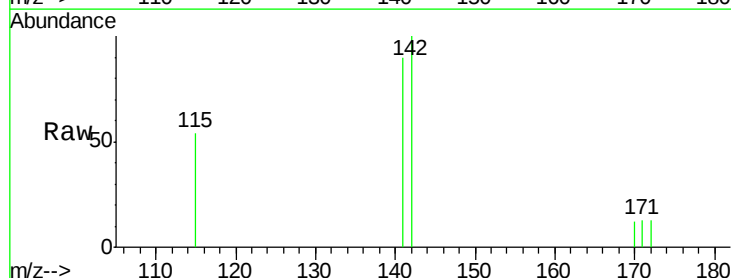
Tgt Ion: 142 Resp: 581

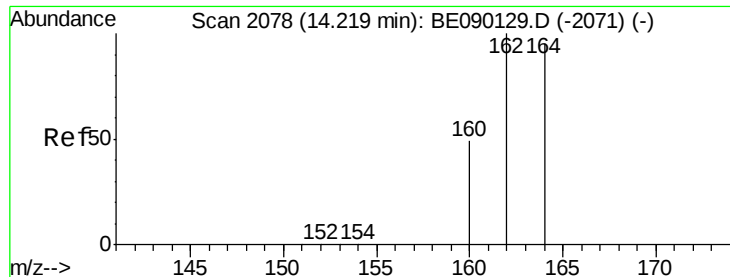
Ion Ratio Lower Upper

142 100

141 90.2 70.6 105.8

115 54.4 29.4 44.0#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

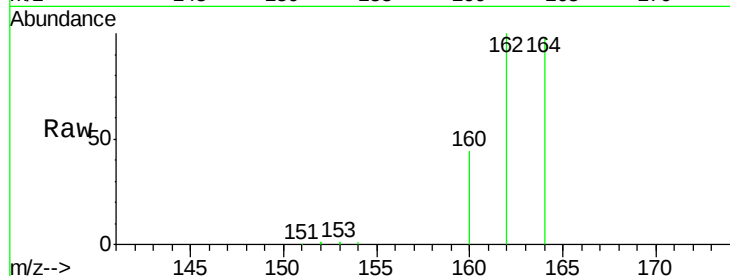
Tgt Ion:164 Resp: 38623

Ion Ratio Lower Upper

164 100

162 101.8 84.0 126.0

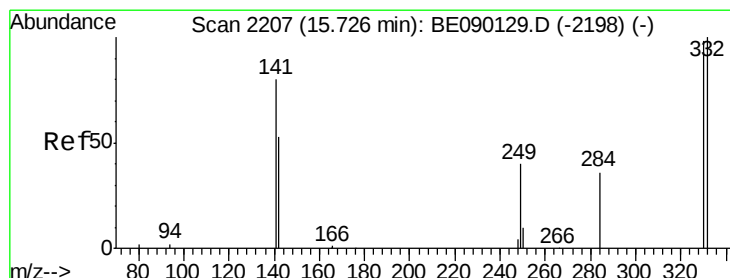
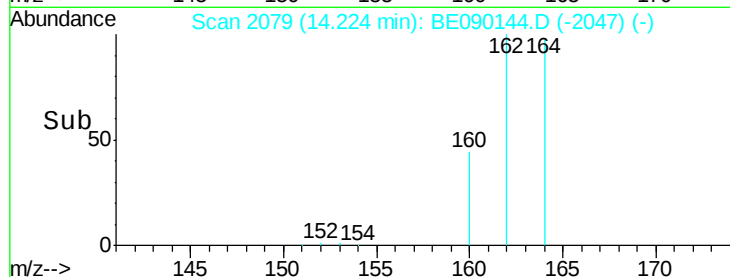
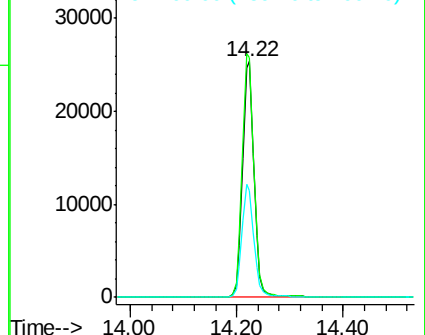
160 45.2 41.1 61.7



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



#13

2,4,6-Tribromophenol

Concen: 2.26 ng

RT: 15.73 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

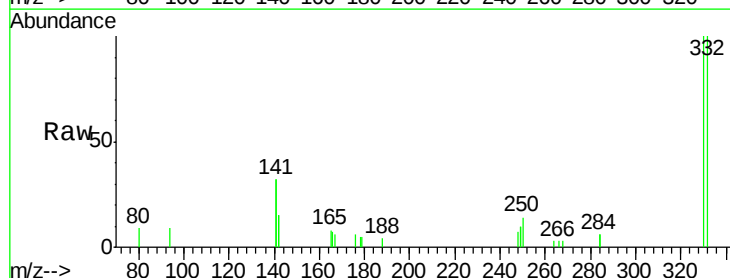
Tgt Ion:330 Resp: 2533

Ion Ratio Lower Upper

330 100

332 96.0 79.4 119.0

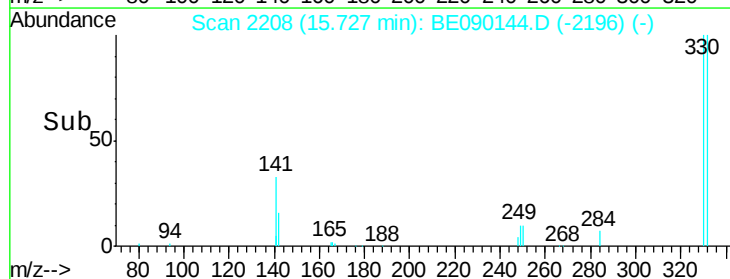
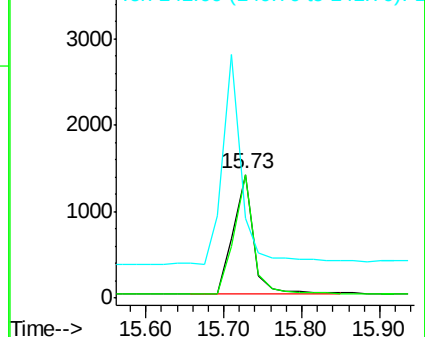
141 170.7 160.2 240.2

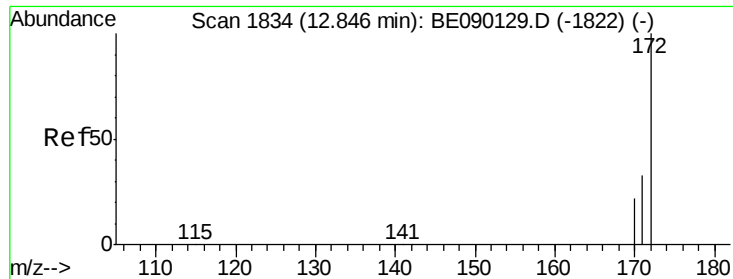


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

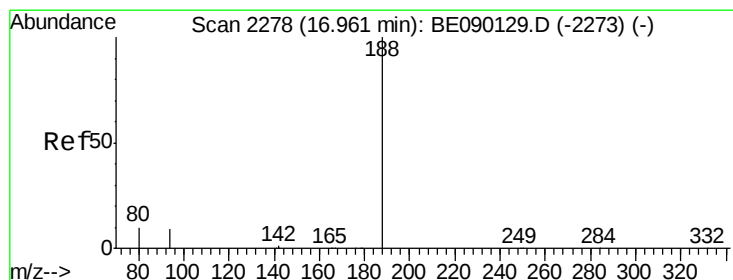
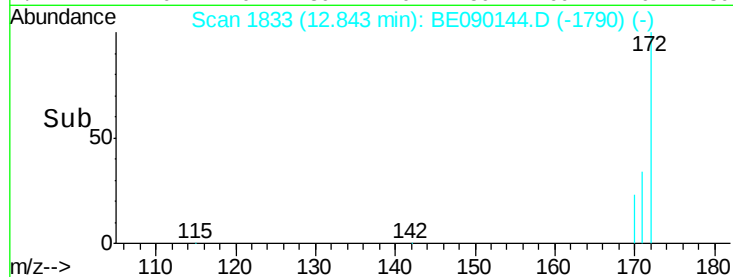
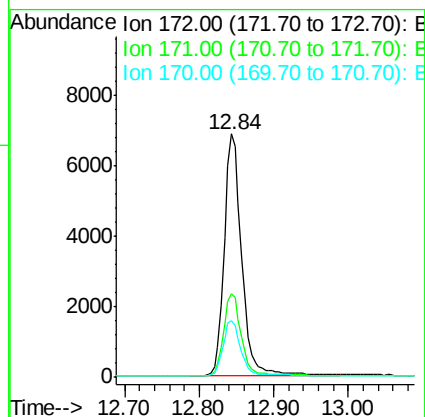
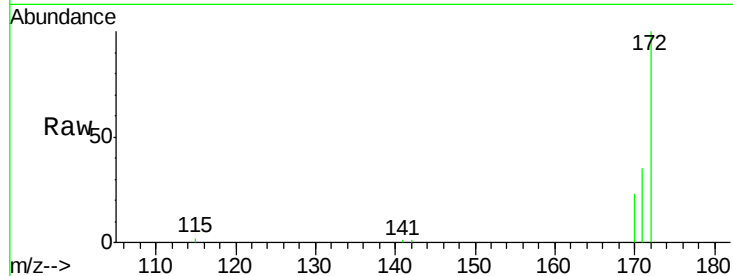




#14
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 12.84 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BE090144.D
Acq: 17 Jul 2015 7:06

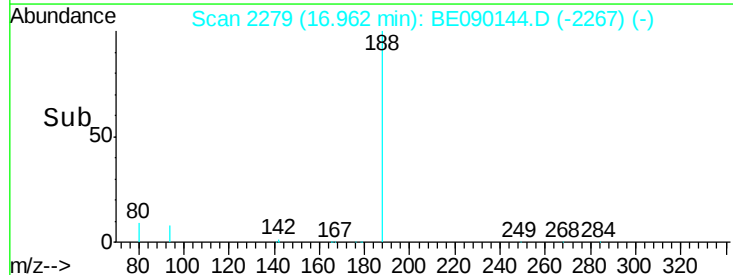
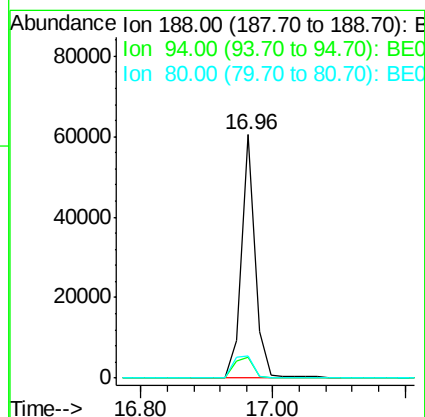
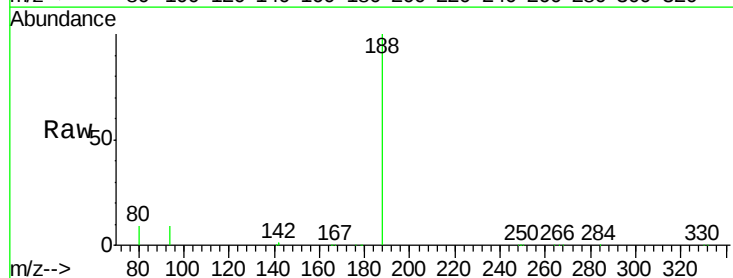
Instrument :
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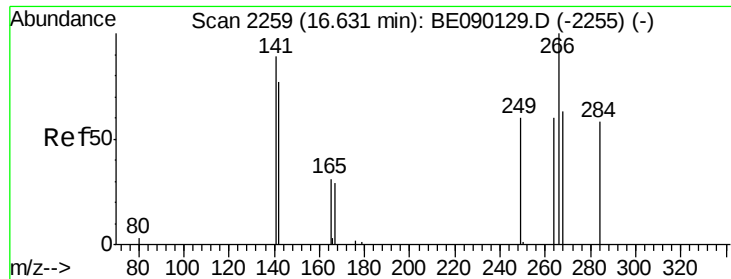
Tgt Ion:172 Resp: 11138
Ion Ratio Lower Upper
172 100
171 34.5 27.1 40.7
170 23.3 17.9 26.9



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090144.D
Acq: 17 Jul 2015 7:06

Tgt Ion:188 Resp: 87101
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.2 8.0 12.0

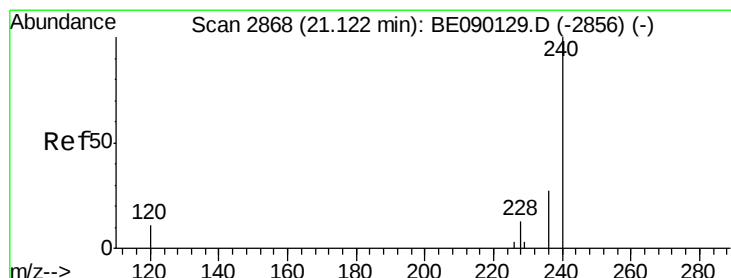
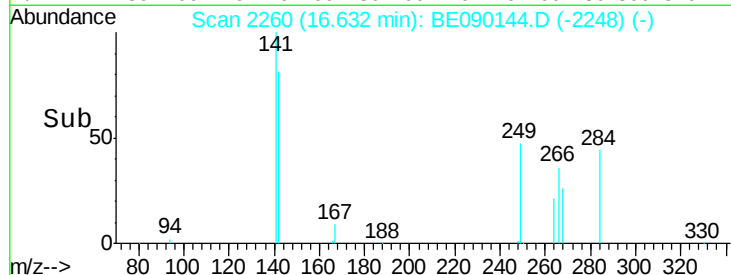
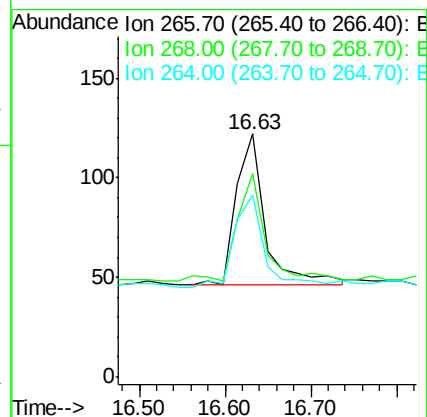
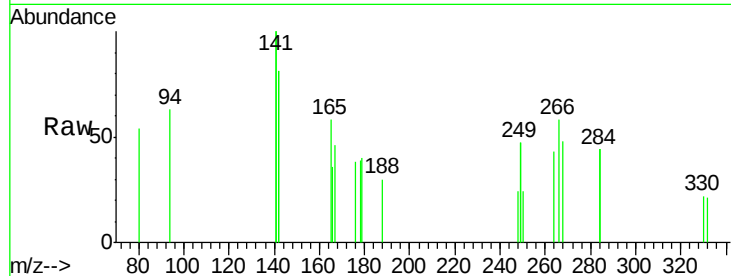




#21
 Pentachlorophenol
 Concen: 0.78 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: BE090144.D
 Acq: 17 Jul 2015 7:06

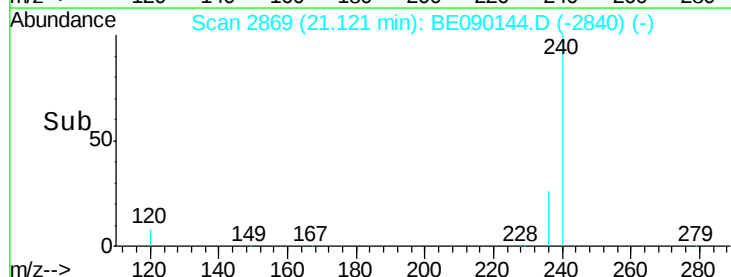
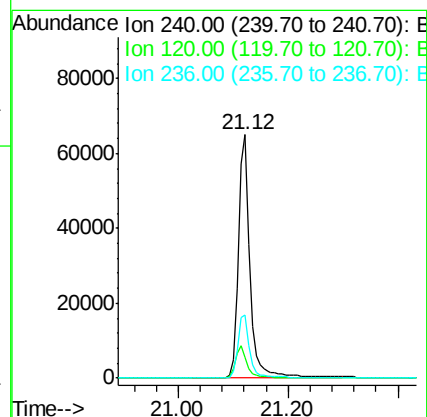
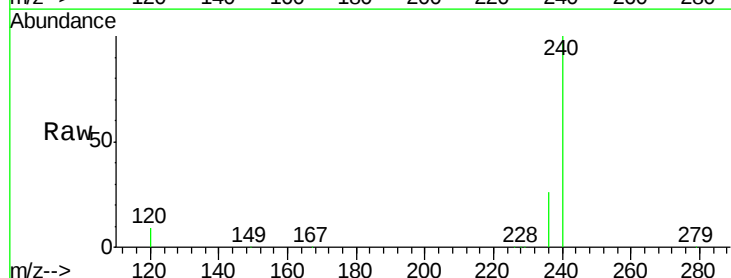
Instrument :
 BNA_E
 ClientSampleId :
 MW-01-071515

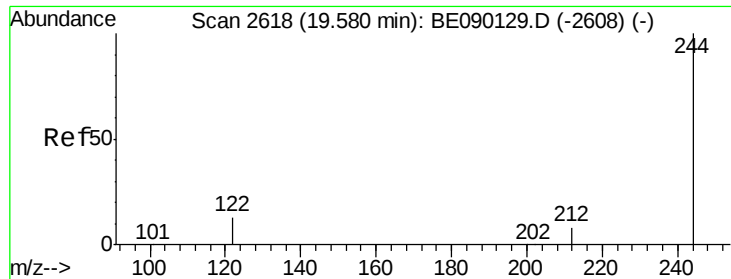
Tgt Ion: 266 Resp: 180
 Ion Ratio Lower Upper
 266 100
 268 83.6 58.2 87.2
 264 74.6 55.8 83.6



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: BE090144.D
 Acq: 17 Jul 2015 7:06

Tgt Ion: 240 Resp: 92189
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.8 13.2#
 236 25.7 21.4 32.0

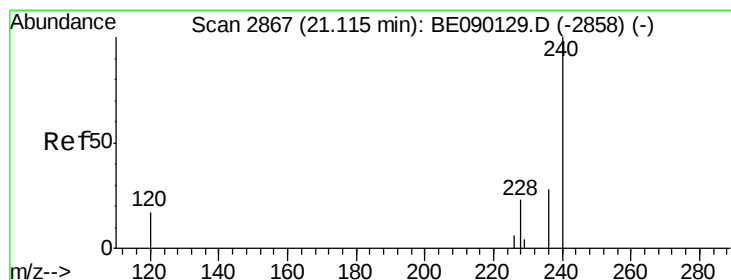
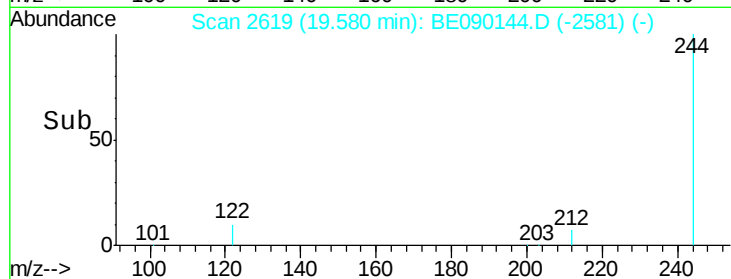
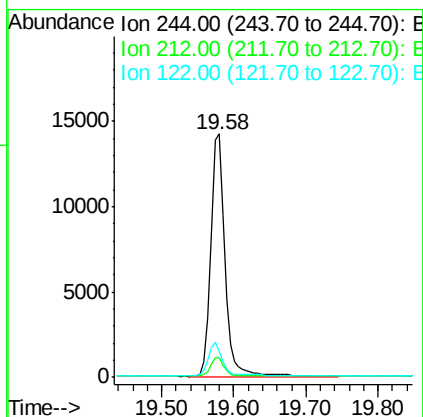
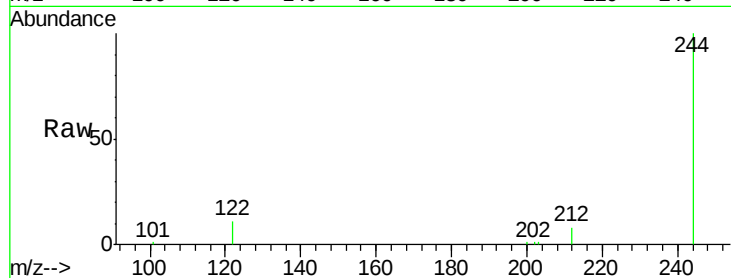




#27
 Terphenyl-d14
 Concen: 1.25 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BE090144.D
 Acq: 17 Jul 2015 7:06

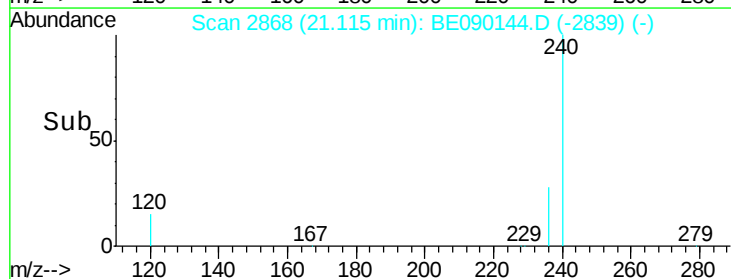
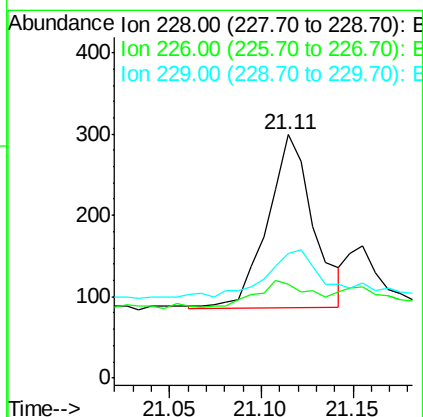
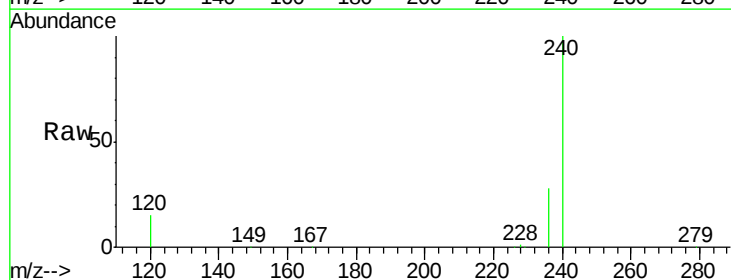
Instrument :
 BNA_E
 ClientSampleId :
 MW-01-071515

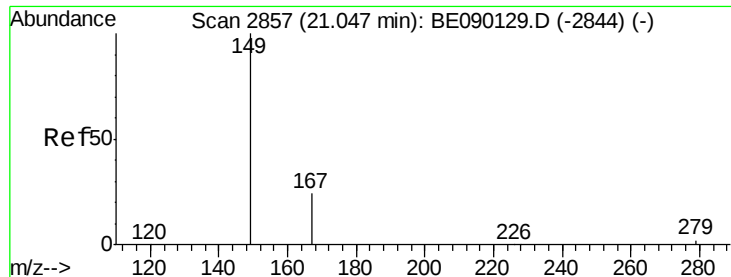
Tgt Ion: 244 Resp: 19400
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.7 10.1
 122 10.8 10.7 16.1



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.11 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: BE090144.D
 Acq: 17 Jul 2015 7:06

Tgt Ion: 228 Resp: 370
 Ion Ratio Lower Upper
 228 100
 226 38.8 21.3 31.9#
 229 51.2 16.1 24.1#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

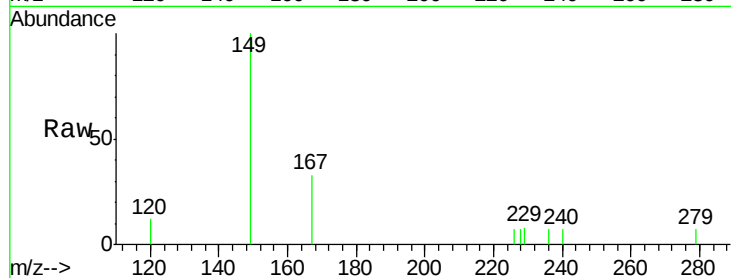
Tgt Ion:149 Resp: 1238

Ion Ratio Lower Upper

149 100

167 26.7 18.6 27.8

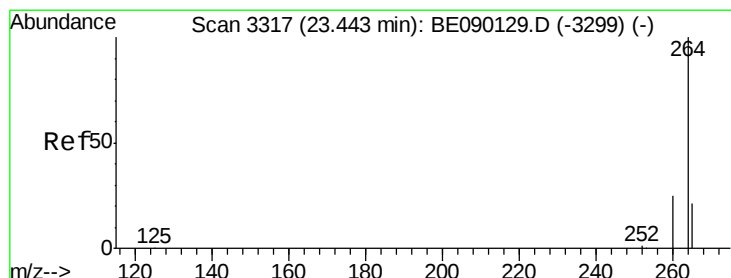
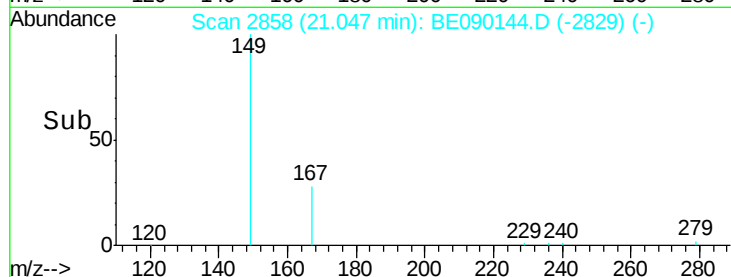
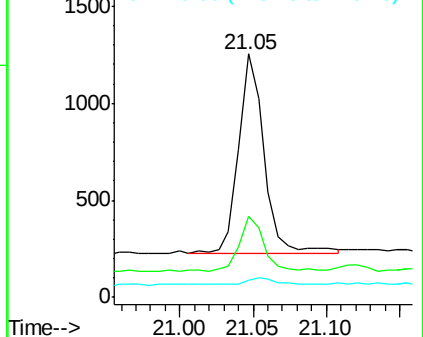
279 3.0 2.2 3.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3317

Delta R.T. -0.01 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

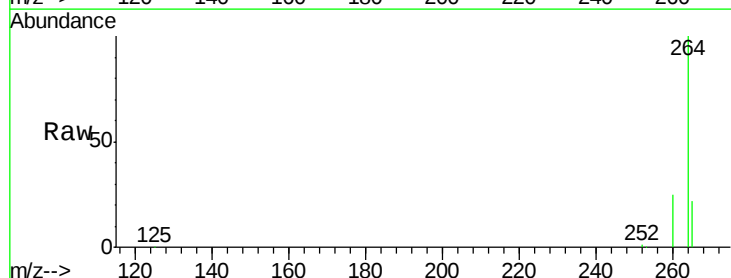
Tgt Ion:264 Resp: 83883

Ion Ratio Lower Upper

264 100

260 24.6 19.9 29.9

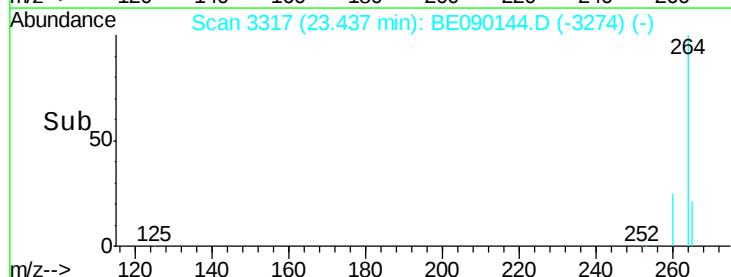
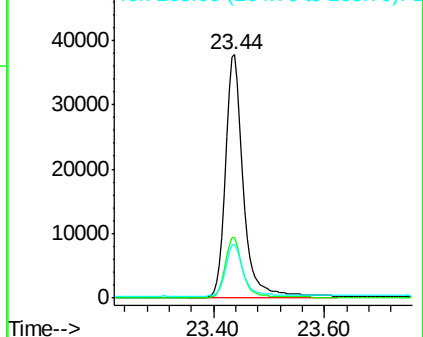
265 22.4 17.8 26.8

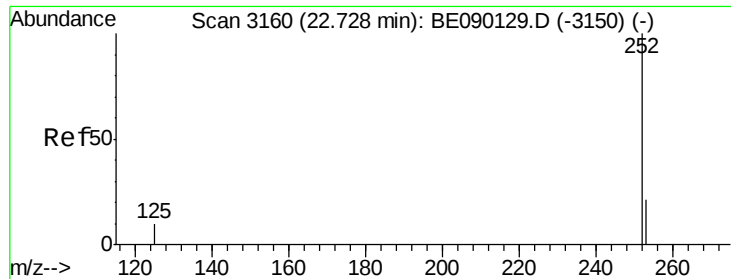


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

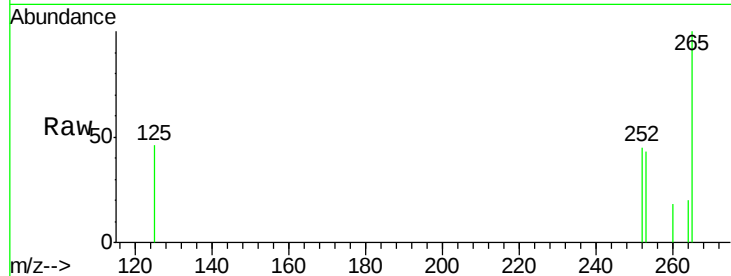
Tgt Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

253 96.2 19.0 28.6#

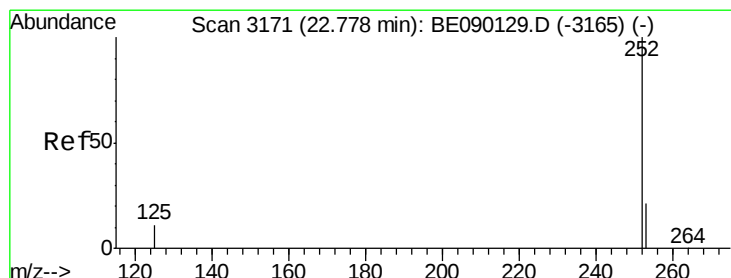
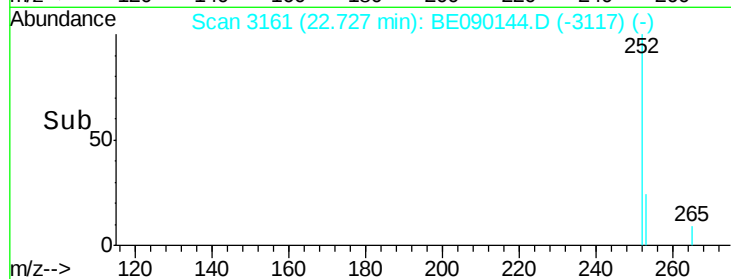
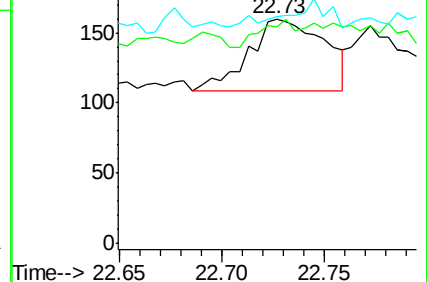
125 101.3 10.7 16.1#



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



#34

Benzo(k)fluoranthene

Concen: 0.18 ng

RT: 22.77 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

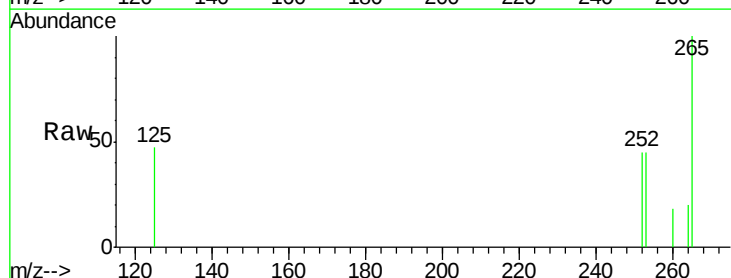
Tgt Ion:252 Resp: 87

Ion Ratio Lower Upper

252 100

253 100.0 18.7 28.1#

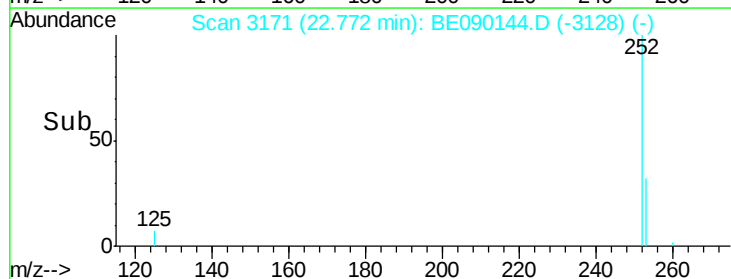
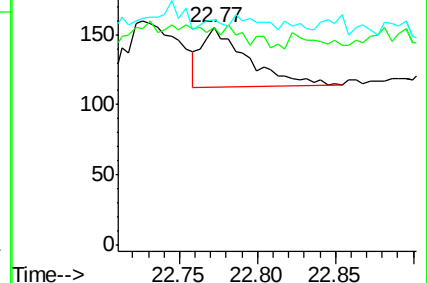
125 103.9 10.5 15.7#

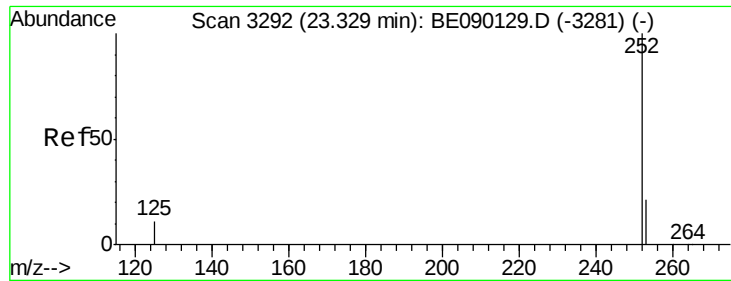


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.32 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515

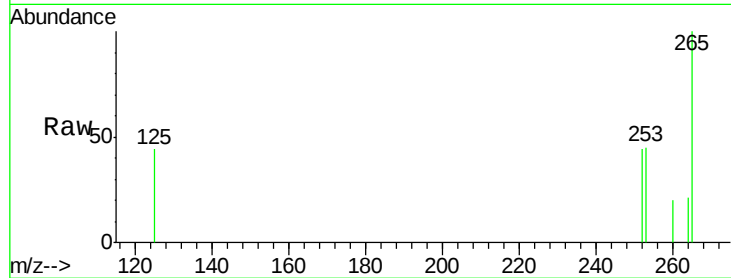
Tgt Ion: 252 Resp: 99

Ion Ratio Lower Upper

252 100

253 102.0 19.4 29.2#

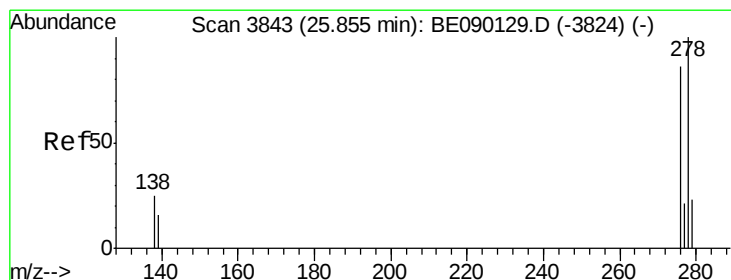
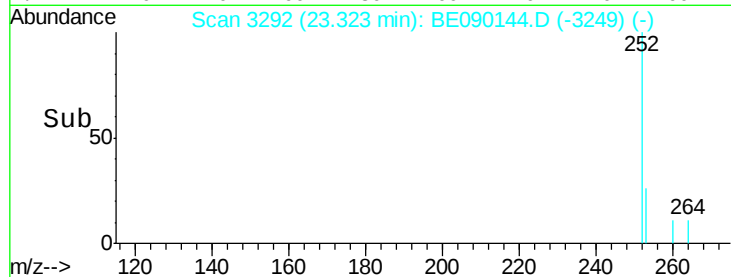
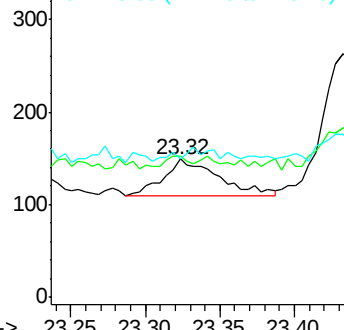
125 100.7 11.9 17.9#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 25.85 min Scan# 3844

Delta R.T. 0.00 min

Lab File: BE090144.D

Acq: 17 Jul 2015 7:06

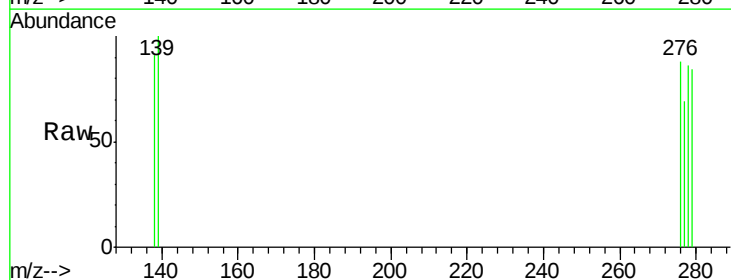
Tgt Ion: 278 Resp: 85

Ion Ratio Lower Upper

278 100

139 116.7 18.3 27.5#

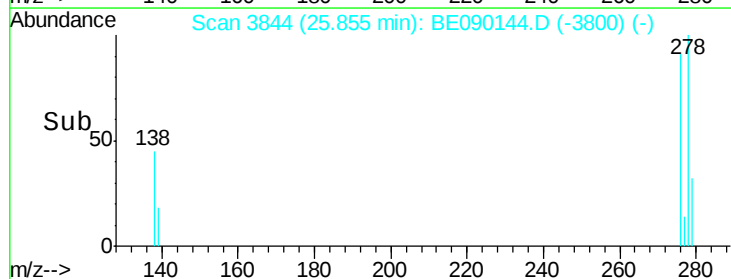
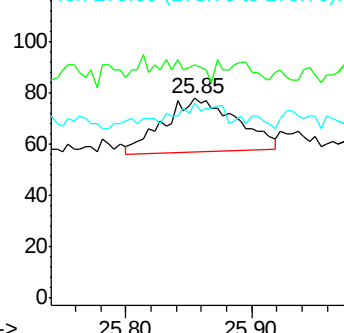
279 97.4 23.3 34.9#

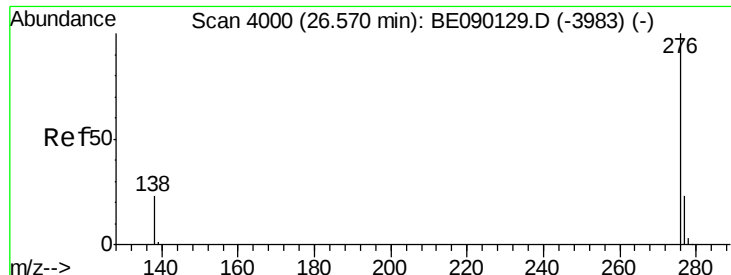


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 26.58 min Scan# 4003

Delta R.T. 0.01 min

Lab File: BE090144.D

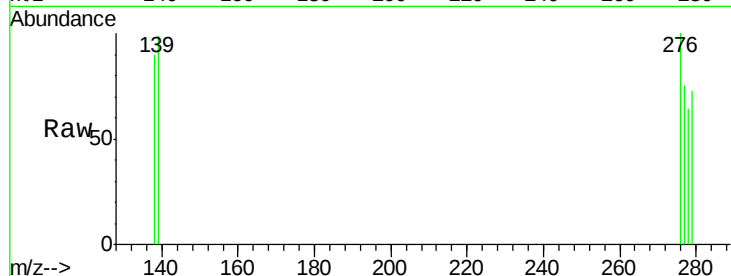
Acq: 17 Jul 2015 7:06

Instrument :

BNA_E

ClientSampleId :

MW-01-071515



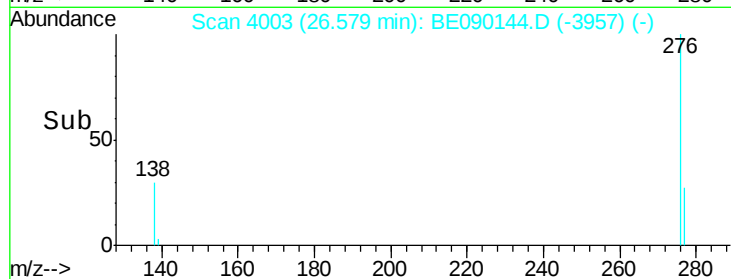
Tgt Ion: 276 Resp: 136

Ion Ratio Lower Upper

276 100

277 75.3 22.0 33.0#

138 89.9 22.0 33.0#



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

