

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081815\  
 Data File : BE090563.D  
 Acq On : 18 Aug 2015 20:41  
 Operator : UM/IZ  
 Sample : G3329-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 081715-D534-F-D-B

Quant Time: Aug 19 02:34:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 19 02:30:21 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 23651    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.34 | 136  | 119524   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.19 | 164  | 64864    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.94 | 188  | 141127   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.09 | 240  | 137349   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.39 | 264  | 125274   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.22  | 112 | 17854 | 2.61 | ng | 0.00  |
| 5) Phenol-d6                | 6.78  | 99  | 15034 | 1.50 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.73  | 82  | 30157 | 3.17 | ng | 0.00  |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330 | 20932 | 8.39 | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 12.82 | 172 | 65917 | 3.40 | ng | 0.00  |
| 27) Terphenyl-d14           | 19.55 | 244 | 98845 | 3.93 | ng | 0.00  |

|                                |       |     |      |           |    |     |
|--------------------------------|-------|-----|------|-----------|----|-----|
| Target Compounds               |       |     |      | Qvalue    |    |     |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 30   | Below Cal | #  | 1   |
| 3) n-Nitrosodimethylamine      | 3.44  | 42  | 26   | 0.01      | ng | 1   |
| 8) Nitrobenzene                | 8.80  | 77  | 7    | 0.00      | ng | 53  |
| 9) Naphthalene                 | 10.38 | 128 | 180  | 0.01      | ng | 3   |
| 10) Hexachlorobutadiene        | 10.69 | 225 | 5    | 0.00      | ng | 36  |
| 11) 2-Methylnaphthalene        | 12.01 | 142 | 68   | 0.00      | ng | 58  |
| 15) Acenaphthylene             | 13.91 | 152 | 330  | 0.00      | ng | 95  |
| 16) Acenaphthene               | 14.25 | 154 | 43   | 0.00      | ng | 78  |
| 17) Fluorene                   | 15.26 | 166 | 124  | 0.01      | ng | 69  |
| 19) 4-Bromophenyl-phenylether  | 16.07 | 248 | 13   | 0.00      | ng | 1   |
| 20) Hexachlorobenzene          | 16.25 | 284 | 17   | 0.00      | ng | 1   |
| 21) Pentachlorophenol          | 16.56 | 266 | 31   | 0.31      | ng | 74  |
| 22) Phenanthrene               | 16.98 | 178 | 571  | 0.02      | ng | 73  |
| 23) Anthracene                 | 17.07 | 178 | 115  | 0.00      | ng | 61  |
| 24) Fluoranthene               | 18.98 | 202 | 254  | 0.01      | ng | 82  |
| 26) Pyrene                     | 19.34 | 202 | 294  | 0.01      | ng | 95  |
| 28) Benzo(a)anthracene         | 21.09 | 228 | 531  | 0.01      | ng | 71  |
| 29) Chrysene                   | 21.13 | 228 | 197  | 0.01      | ng | 43  |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 3140 | 0.28      | ng | 100 |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276 | 83   | 0.00      | ng | 57  |
| 33) Benzo(b)fluoranthene       | 22.71 | 252 | 172  | 0.01      | ng | 1   |
| 34) Benzo(k)fluoranthene       | 22.71 | 252 | 172  | 0.01      | ng | 1   |
| 35) Benzo(a)pyrene             | 23.29 | 252 | 160  | 0.01      | ng | 1   |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278 | 60   | 0.00      | ng | 1   |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276 | 165  | 0.01      | ng | 1   |

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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

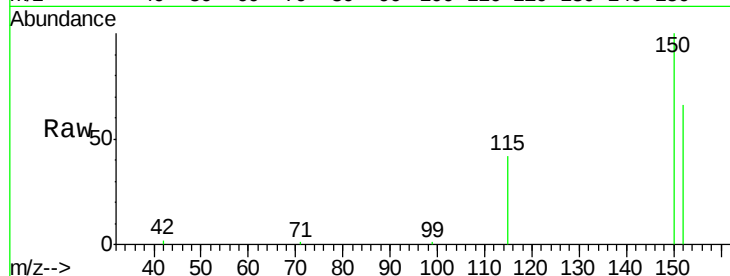
Tgt Ion:152 Resp: 23651

Ion Ratio Lower Upper

152 100

150 151.9 123.0 184.4

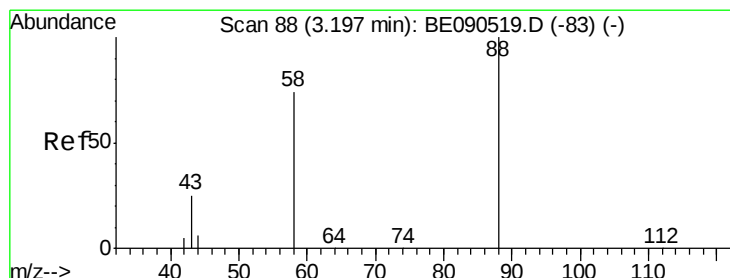
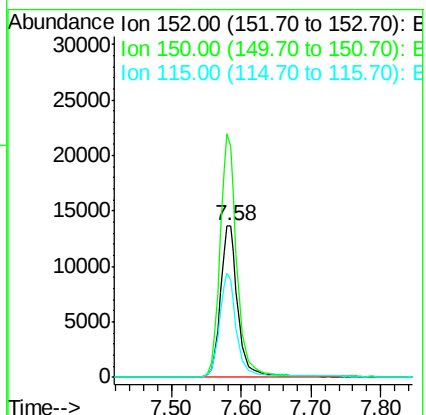
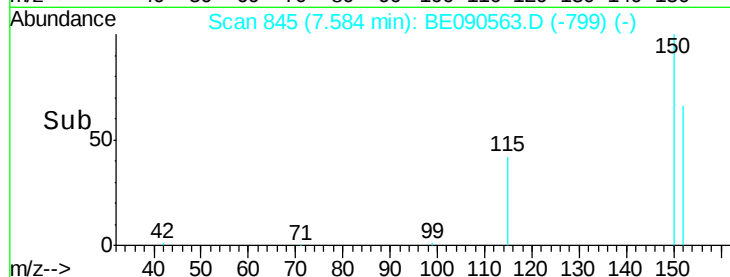
115 64.0 48.9 73.3



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: Below Cal

RT: 3.31 min Scan# 104

Delta R.T. 0.11 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

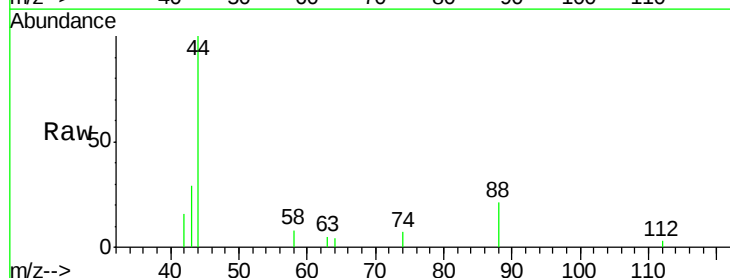
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

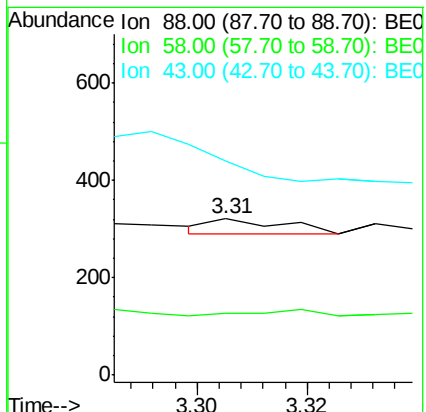
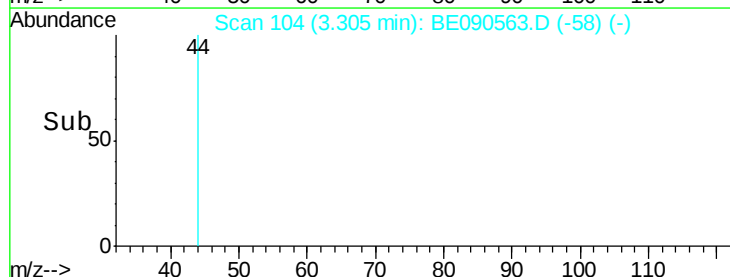
43 583.3 28.4 42.6#

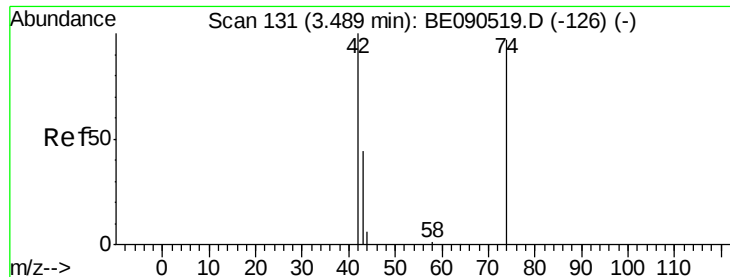


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.01 ng

RT: 3.44 min Scan# 124

Delta R.T. -0.04 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

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ClientSampleId :

081715-D534-F-D-B

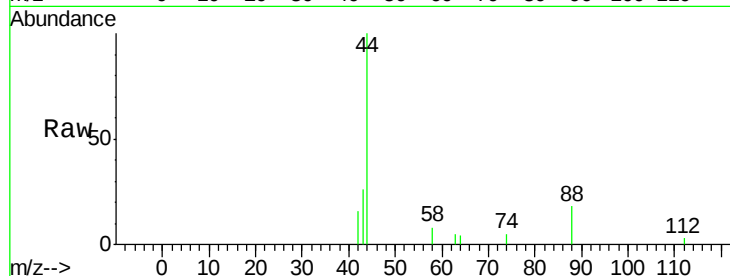
Tgt Ion: 42 Resp: 26

Ion Ratio Lower Upper

42 100

74 0.0 75.2 112.8#

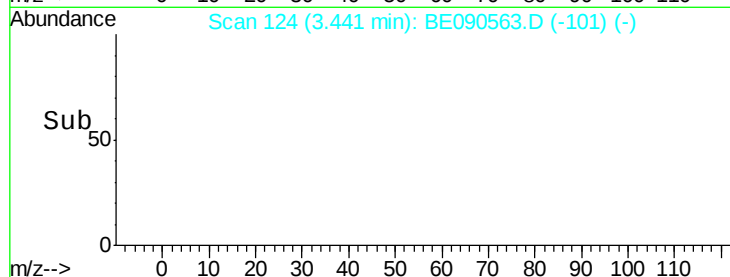
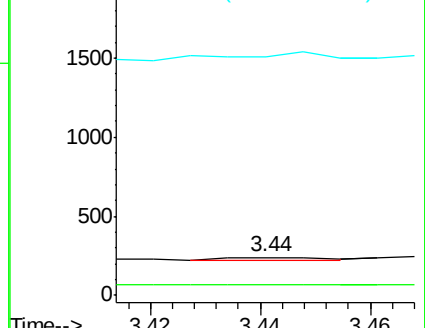
44 269.2 8.7 13.1#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.61 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

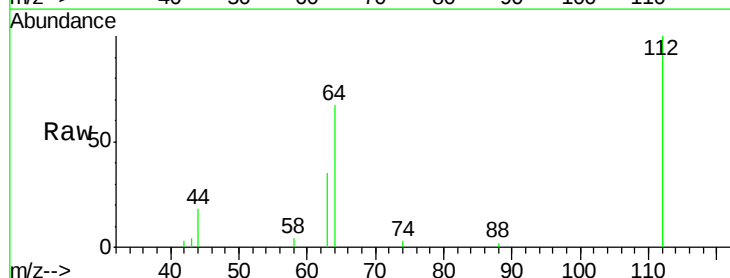
Tgt Ion: 112 Resp: 17854

Ion Ratio Lower Upper

112 100

64 68.8 37.1 55.7#

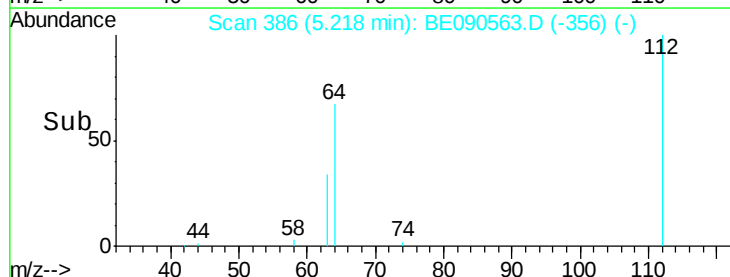
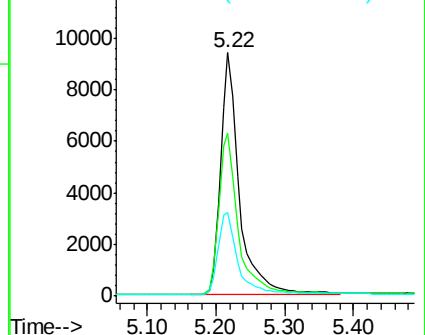
63 35.5 19.5 29.3#

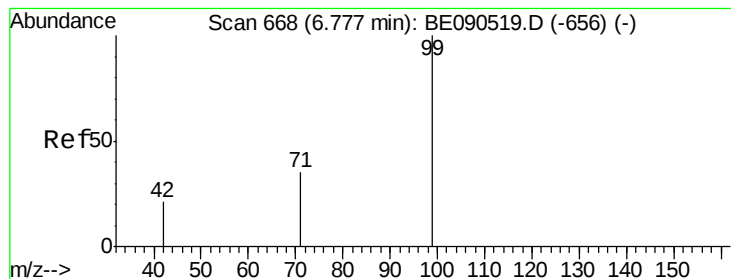


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.50 ng

RT: 6.78 min Scan# 668

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

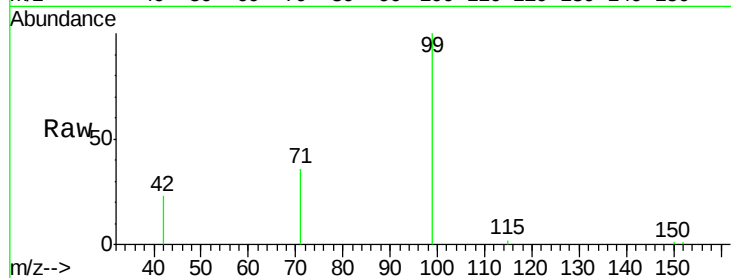
Tgt Ion: 99 Resp: 15034

Ion Ratio Lower Upper

99 100

42 19.0 18.2 27.4

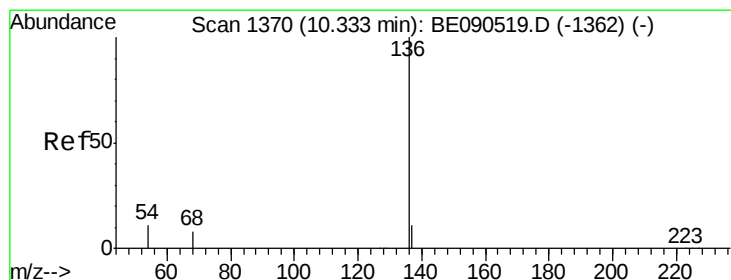
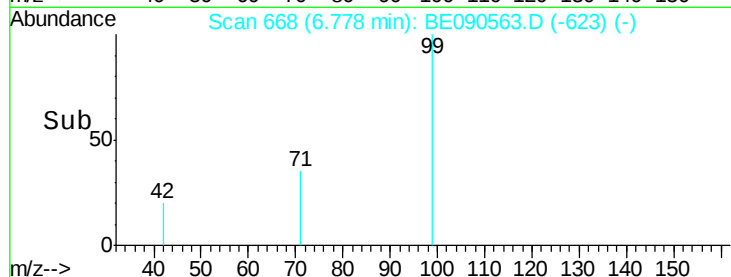
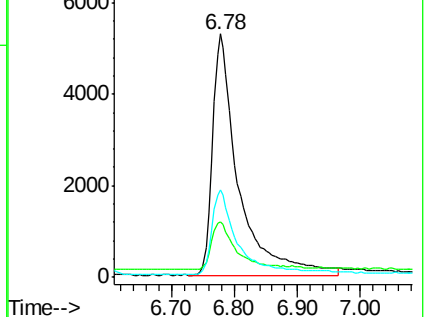
71 34.4 27.4 41.0



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: 10.34 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Tgt Ion: 136 Resp: 119524

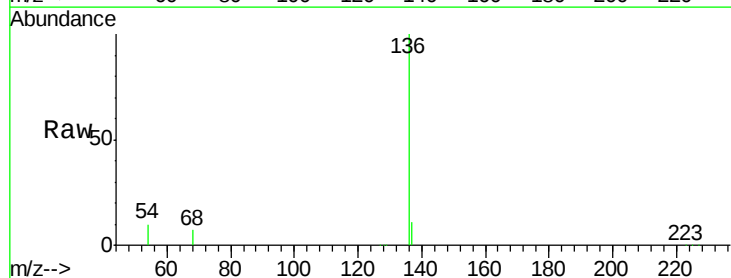
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.7 9.4 14.0

68 7.4 6.5 9.7

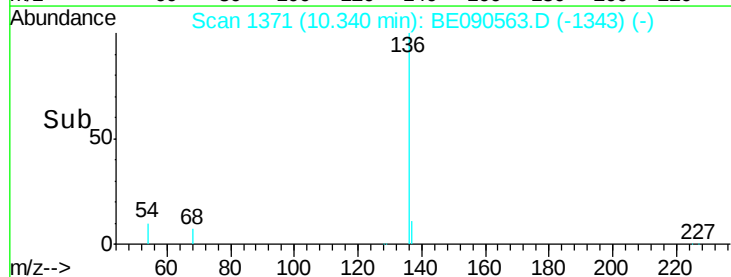
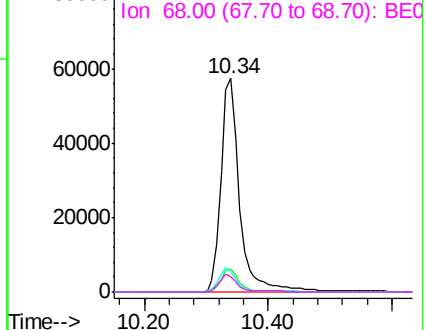


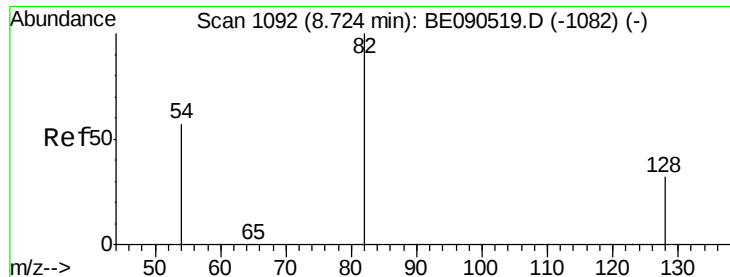
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.17 ng

RT: 8.73 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

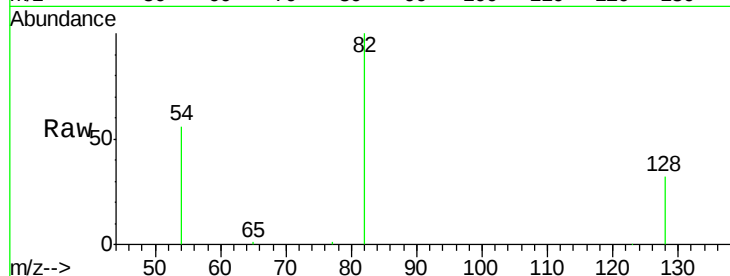
Tgt Ion: 82 Resp: 30157

Ion Ratio Lower Upper

82 100

128 32.4 25.0 37.6

54 55.9 48.8 73.2

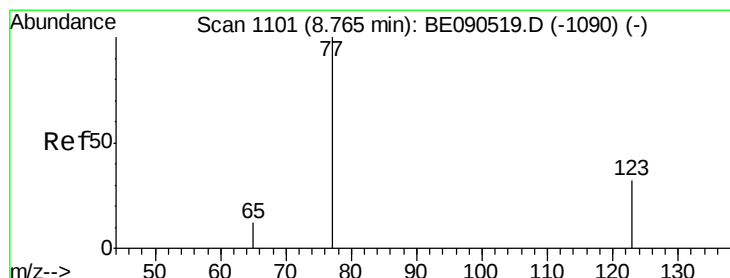
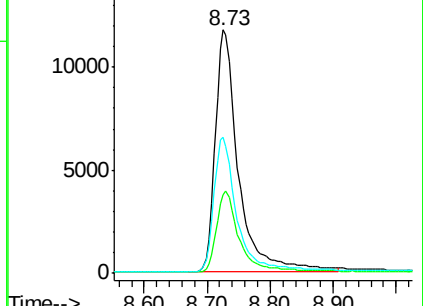
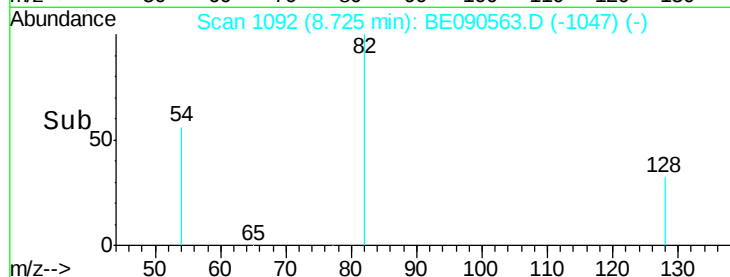


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#8

Nitrobenzene

Concen: 0.00 ng

RT: 8.80 min Scan# 1108

Delta R.T. 0.04 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

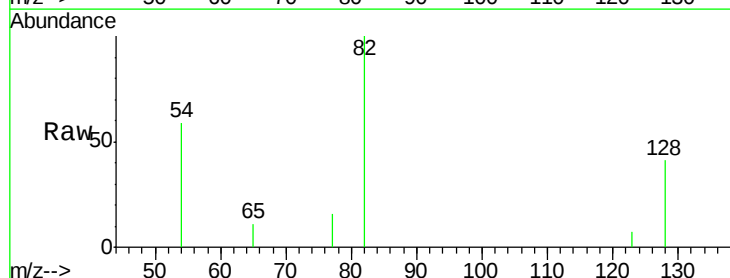
Tgt Ion: 77 Resp: 7

Ion Ratio Lower Upper

77 100

123 42.9 25.1 37.7#

65 57.1 9.3 13.9#

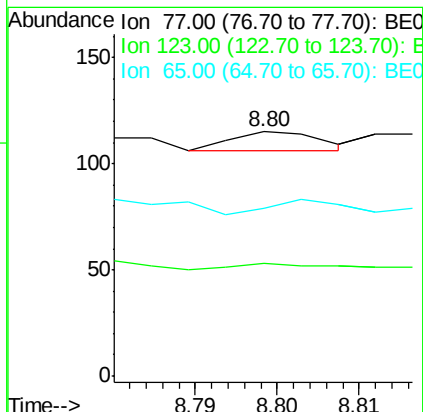
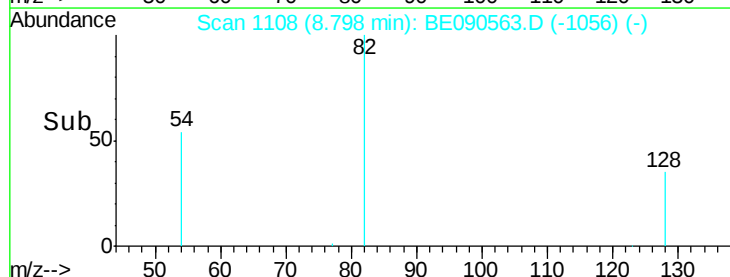


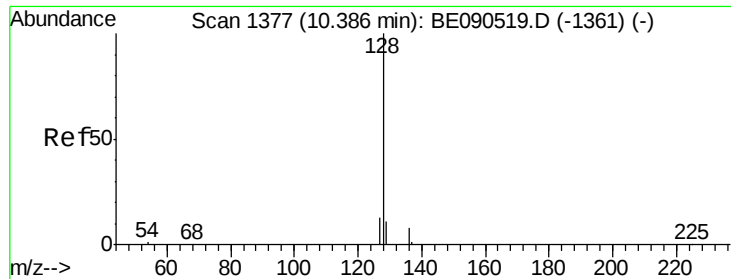
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#9

Naphthalene

Concen: 0.01 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

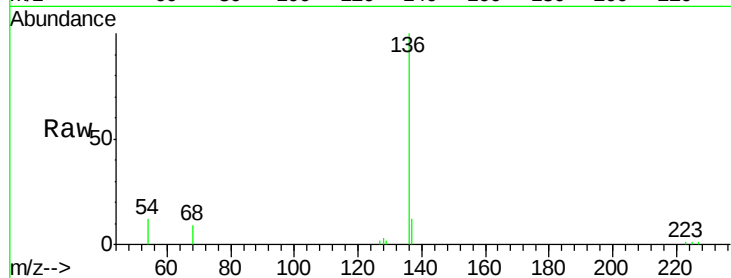
Tgt Ion:128 Resp: 180

Ion Ratio Lower Upper

128 100

129 54.3 9.8 14.6#

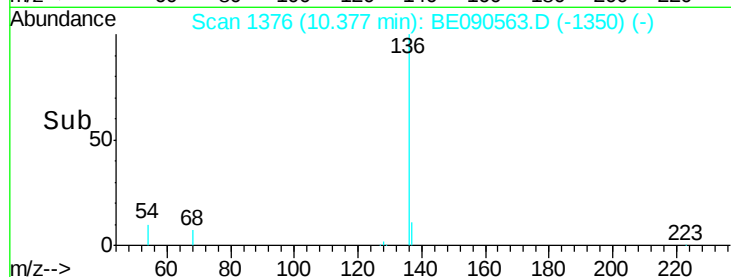
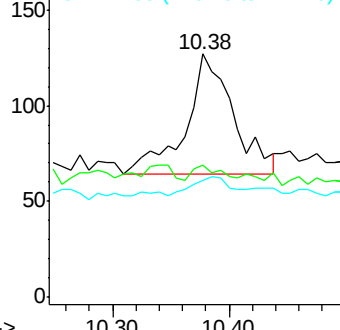
127 48.0 10.6 16.0#



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



#10

Hexachlorobutadiene

Concen: 0.00 ng

RT: 10.69 min Scan# 1418

Delta R.T. 0.02 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

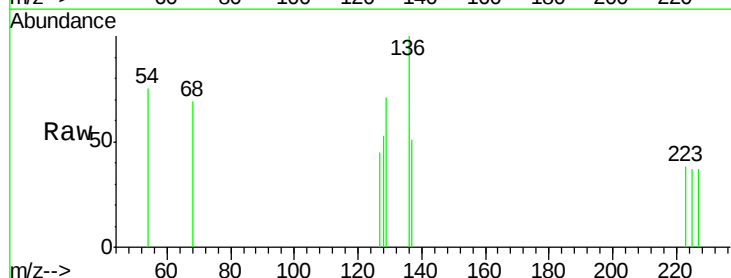
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

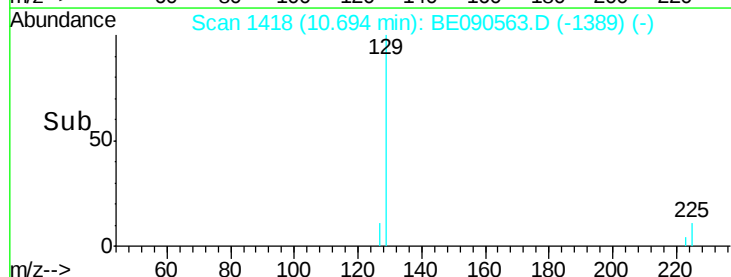
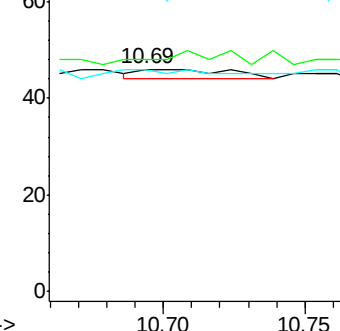
227 100.0 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.00 ng

RT: 12.01 min Scan# 1651

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

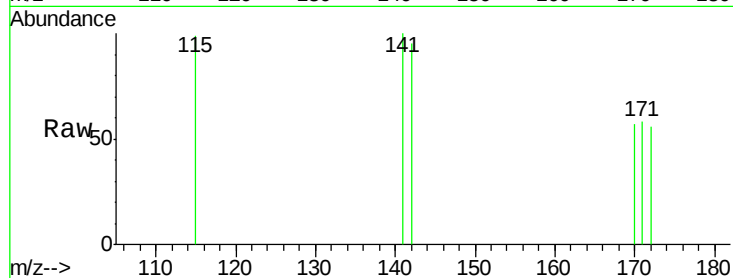
Tgt Ion:142 Resp: 68

Ion Ratio Lower Upper

142 100

141 105.0 72.6 109.0

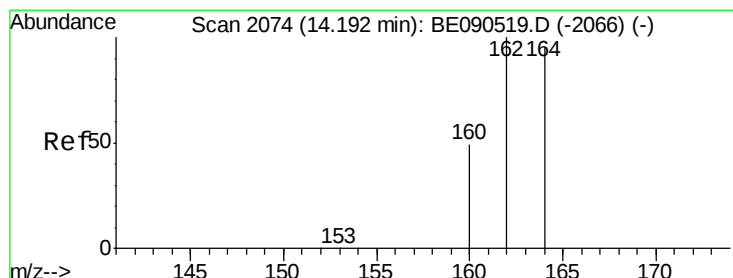
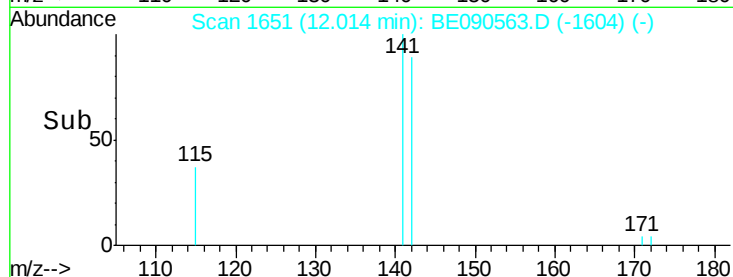
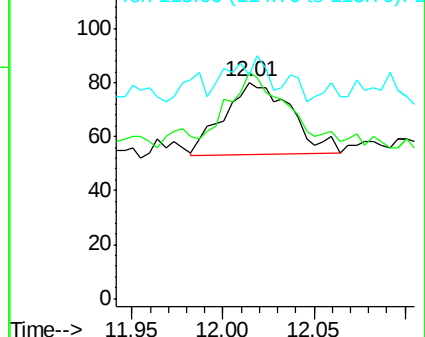
115 103.7 31.6 47.4#



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

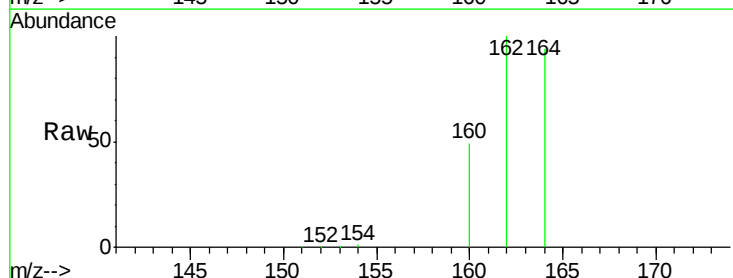
Tgt Ion:164 Resp: 64864

Ion Ratio Lower Upper

164 100

162 106.6 81.8 122.8

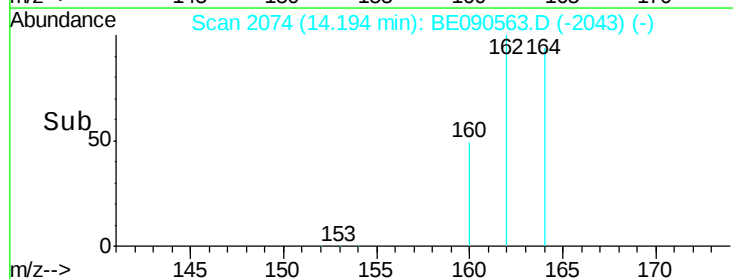
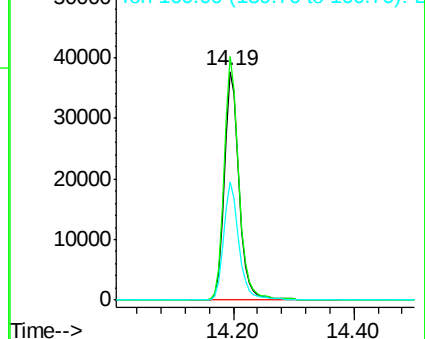
160 52.0 44.2 66.4



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

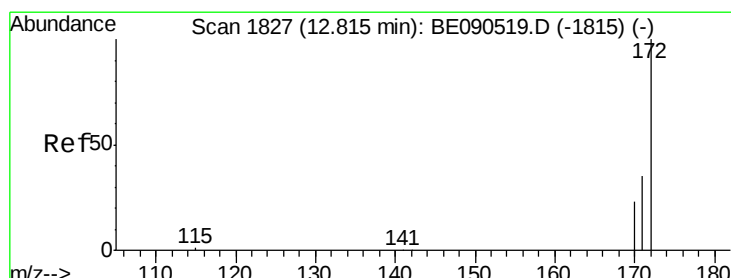
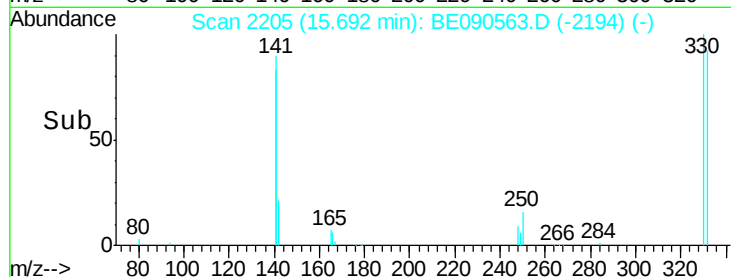
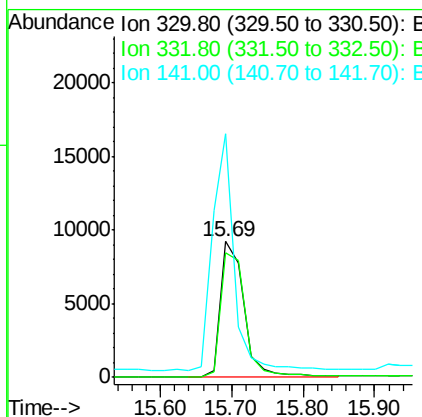
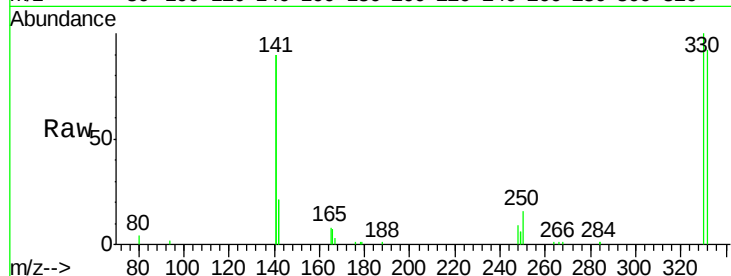




#13  
 2,4,6-Tribromophenol  
 Concen: 8.39 ng  
 RT: 15.69 min Scan# 2205  
 Delta R.T. -0.02 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

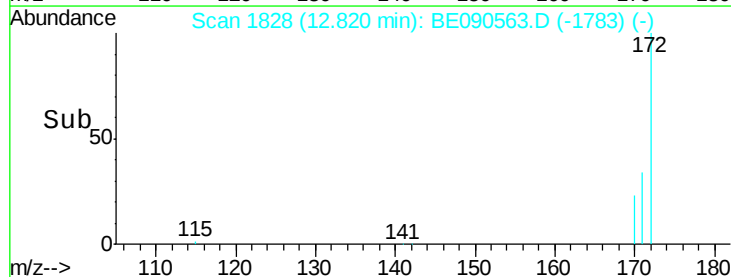
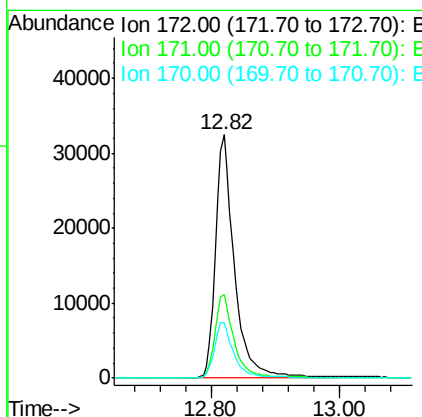
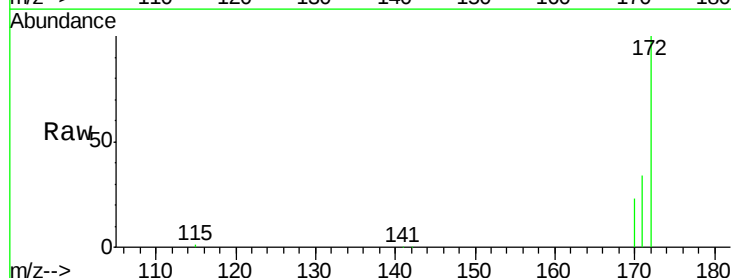
Instrument :  
 BNA\_E  
 ClientSampleId :  
 081715-D534-F-D-B

Tgt Ion: 330 Resp: 20932  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 75.8 113.6  
 141 164.4 114.4 171.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.40 ng  
 RT: 12.82 min Scan# 1828  
 Delta R.T. 0.00 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

Tgt Ion: 172 Resp: 65917  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 28.5 42.7  
 170 22.9 19.8 29.8





#15

Acenaphthylene

Concen: 0.00 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

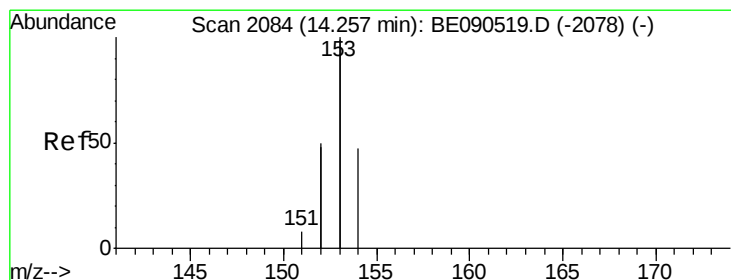
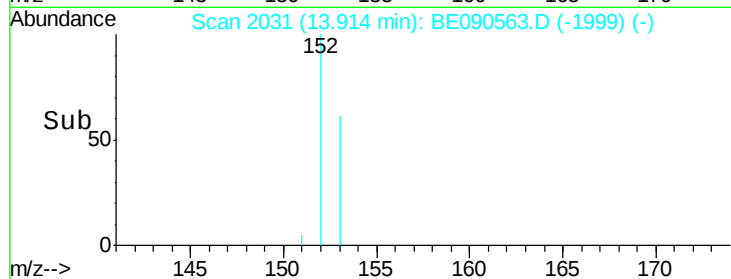
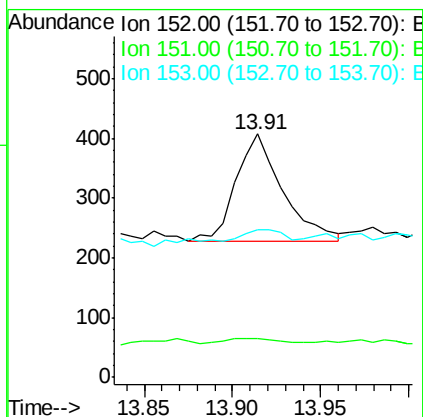
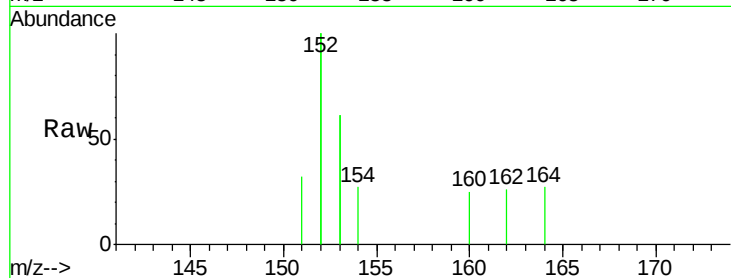
Tgt Ion:152 Resp: 330

Ion Ratio Lower Upper

152 100

151 6.7 3.8 5.8#

153 11.2 10.3 15.5



#16

Acenaphthene

Concen: 0.00 ng

RT: 14.25 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

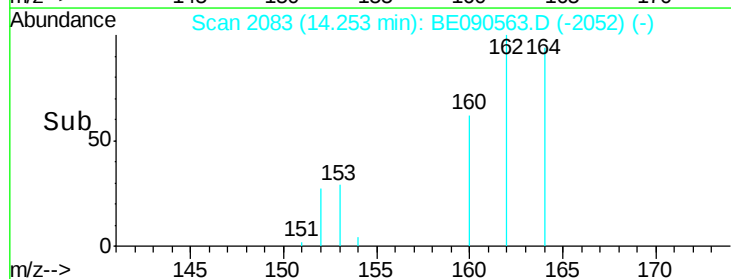
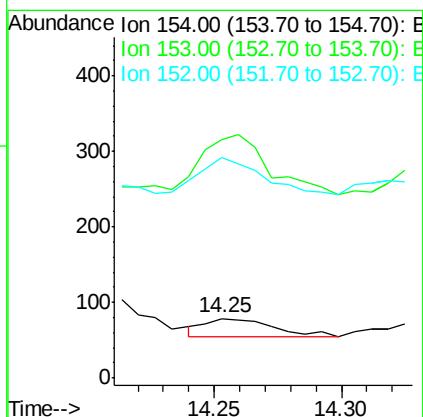
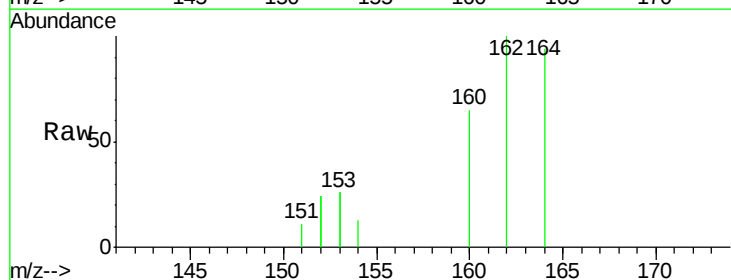
Tgt Ion:154 Resp: 43

Ion Ratio Lower Upper

154 100

153 423.3 376.2 564.2

152 237.2 235.0 352.4





#17

Fluorene

Concen: 0.01 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

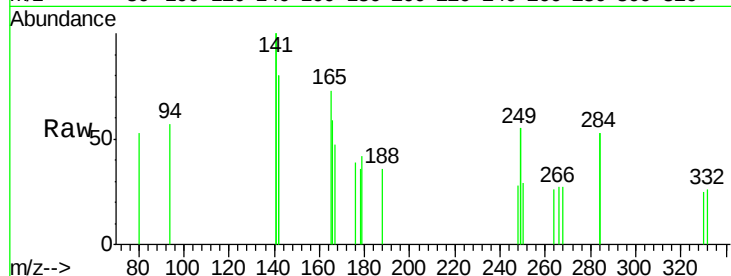
Tgt Ion:166 Resp: 124

Ion Ratio Lower Upper

166 100

165 133.1 81.5 122.3#

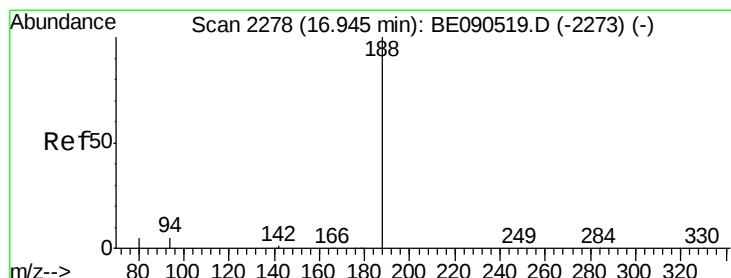
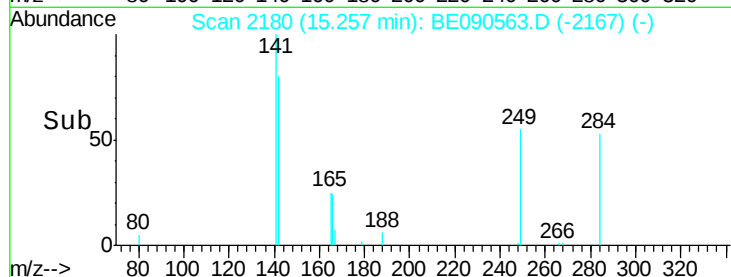
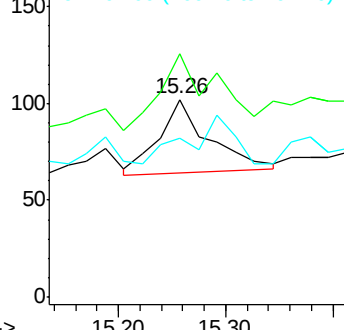
167 0.0 11.4 17.0#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

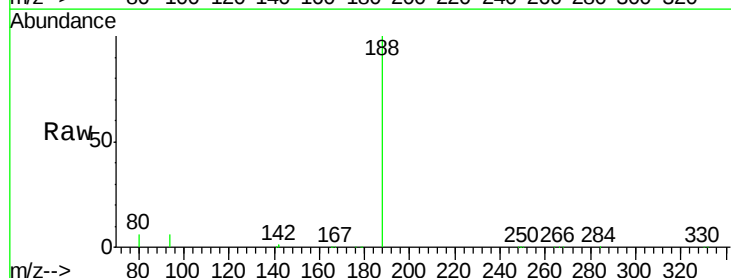
Tgt Ion:188 Resp: 141127

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5#

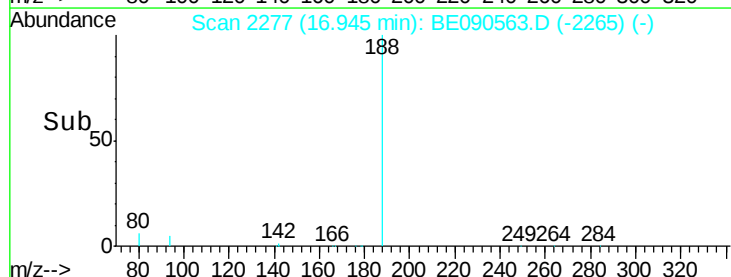
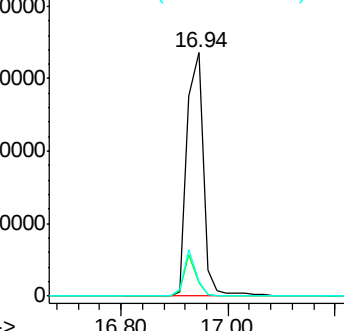
80 5.8 5.8 8.8



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





#19

4-Bromophenyl-phenylether

Concen: 0.00 ng

RT: 16.07 min Scan# 2227

Delta R.T. -0.07 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

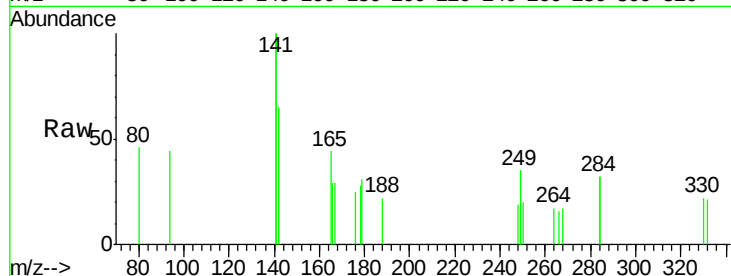
Tgt Ion:248 Resp: 13

Ion Ratio Lower Upper

248 100

250 0.0 79.0 118.6#

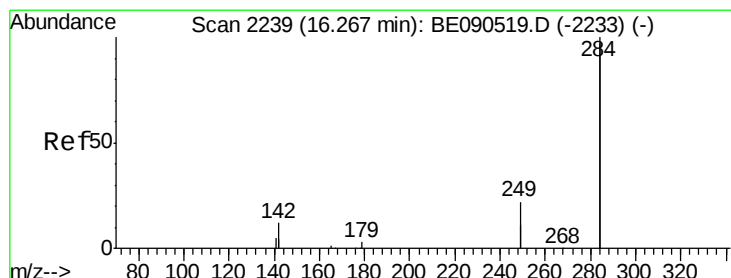
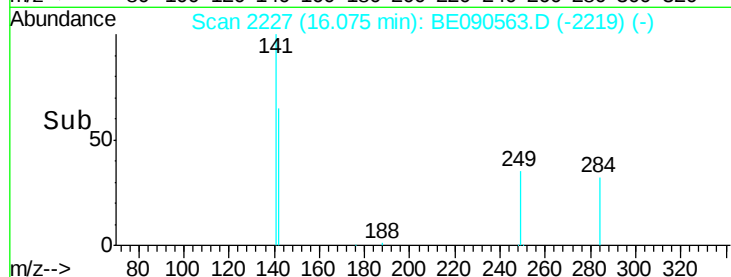
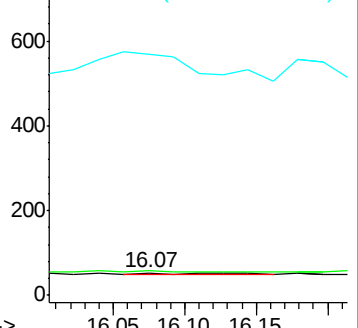
141 1576.9 239.5 359.3#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.25 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

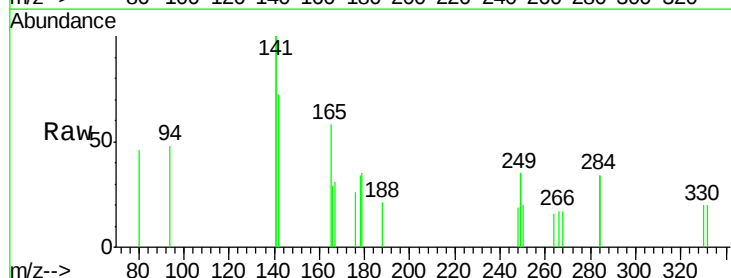
Tgt Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 0.0 30.1 45.1#

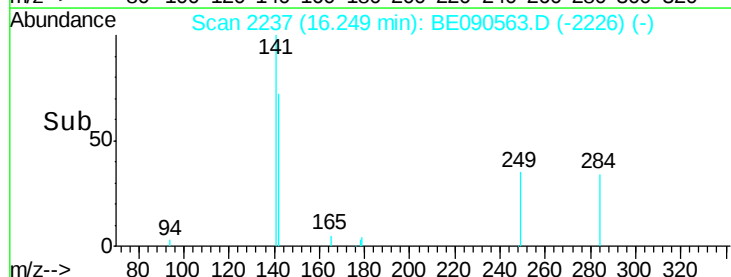
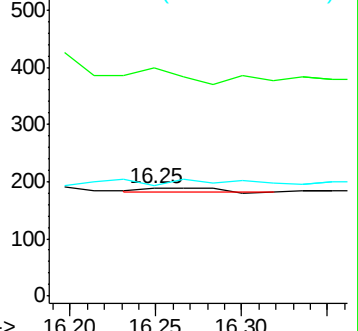
249 170.6 25.7 38.5#

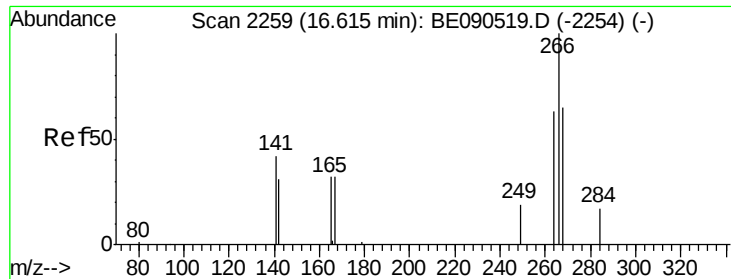


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

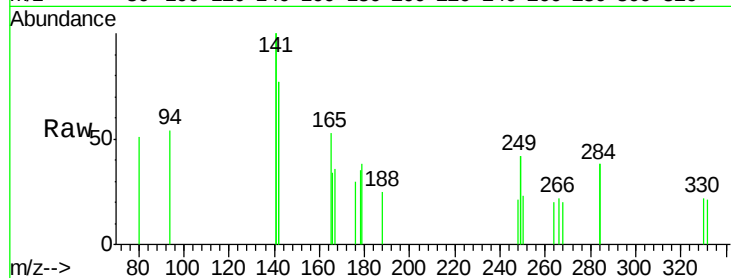




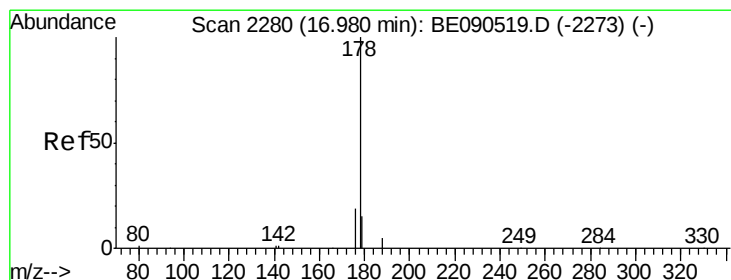
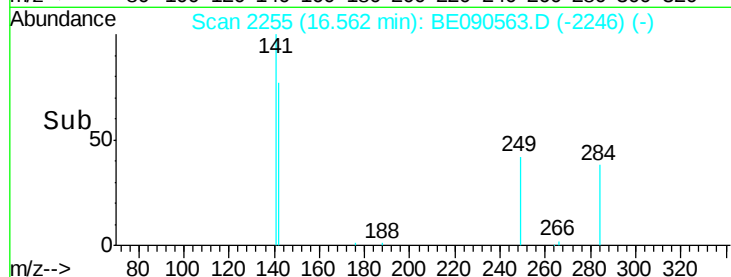
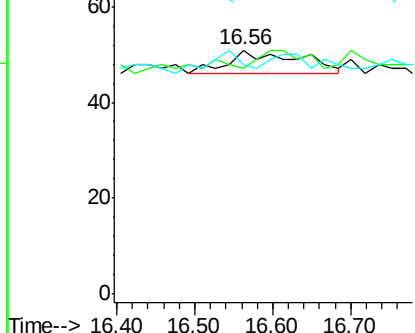
#21  
 Pentachlorophenol  
 Concen: 0.31 ng  
 RT: 16.56 min Scan# 2255  
 Delta R.T. -0.05 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 081715-D534-F-D-B

Tgt Ion: 266 Resp: 31  
 Ion Ratio Lower Upper  
 266 100  
 268 92.2 58.5 87.7#  
 264 94.1 56.0 84.0#

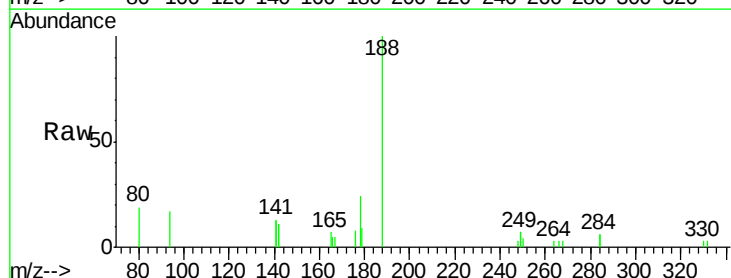


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

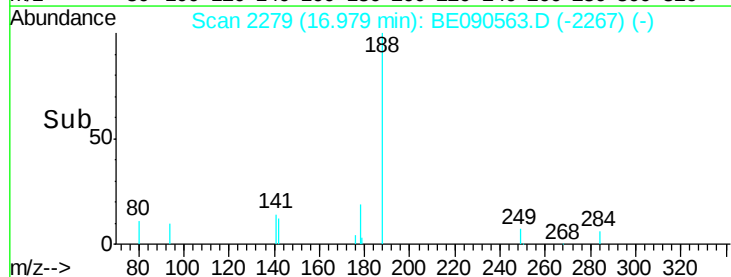
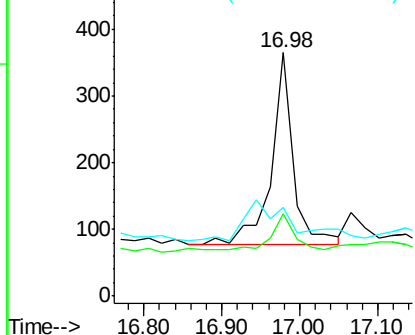


#22  
 Phenanthrene  
 Concen: 0.02 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

Tgt Ion: 178 Resp: 571  
 Ion Ratio Lower Upper  
 178 100  
 176 27.8 15.4 23.2#  
 179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.00 ng

RT: 17.07 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

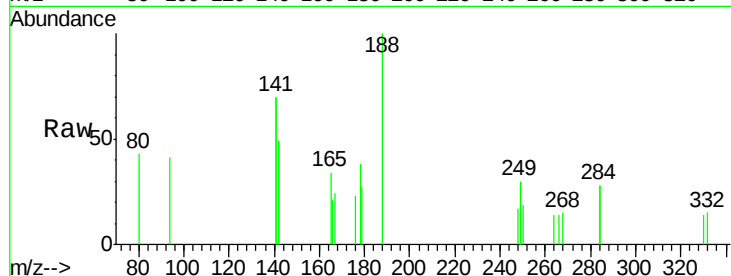
Tgt Ion:178 Resp: 115

Ion Ratio Lower Upper

178 100

176 0.0 14.9 22.3#

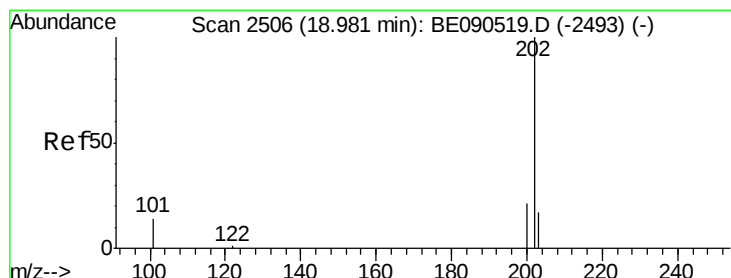
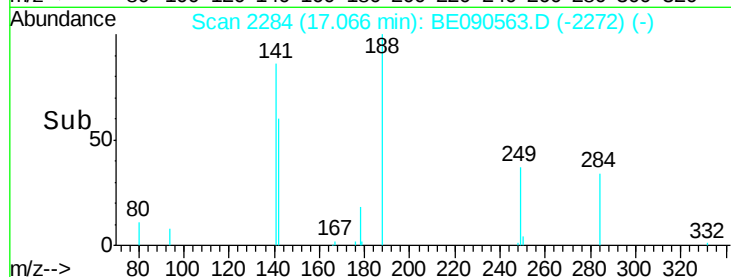
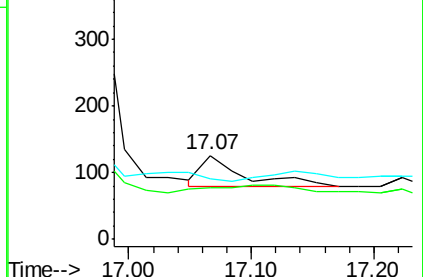
179 0.0 12.2 18.4#



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



#24

Fluoranthene

Concen: 0.01 ng

RT: 18.98 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

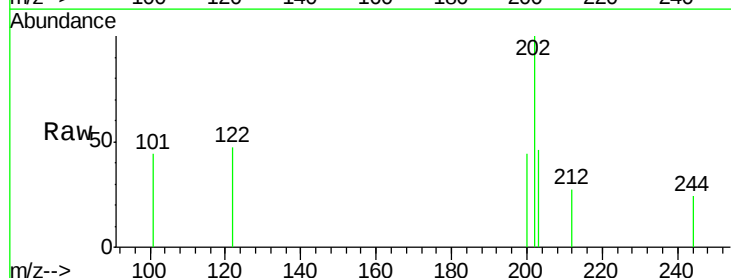
Tgt Ion:202 Resp: 254

Ion Ratio Lower Upper

202 100

101 25.2 10.3 15.5#

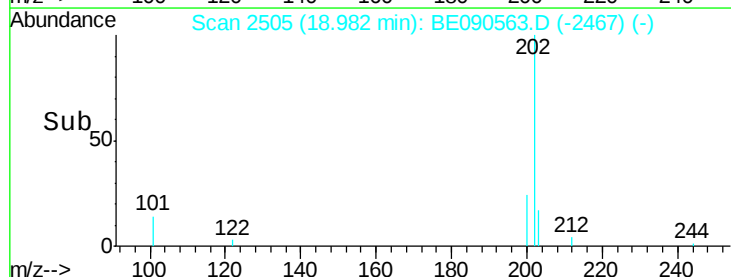
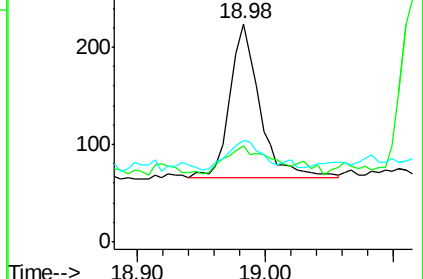
203 20.9 13.7 20.5#



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





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

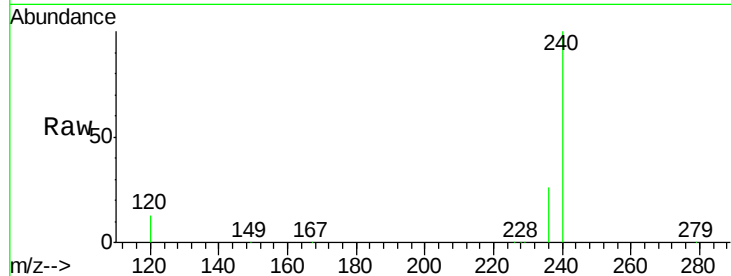
Tgt Ion:240 Resp: 137349

Ion Ratio Lower Upper

240 100

120 13.1 8.3 12.5#

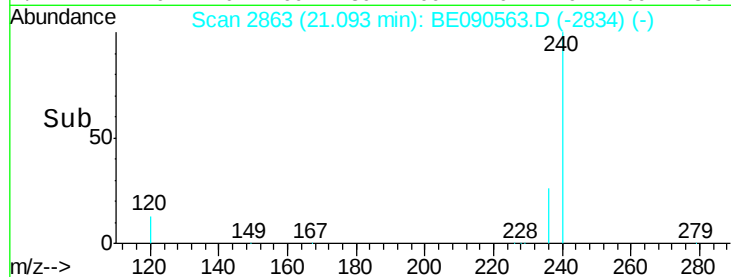
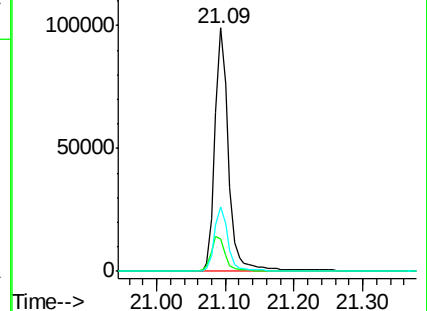
236 26.4 21.0 31.4



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



#26

Pyrene

Concen: 0.01 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

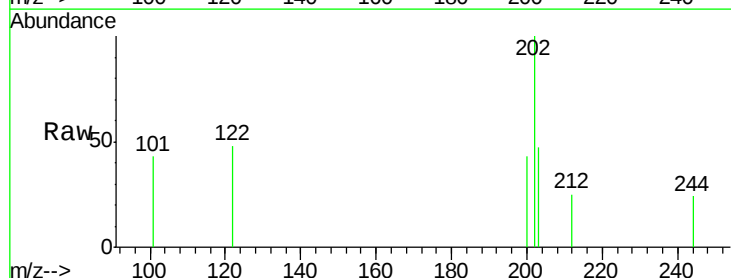
Tgt Ion:202 Resp: 294

Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

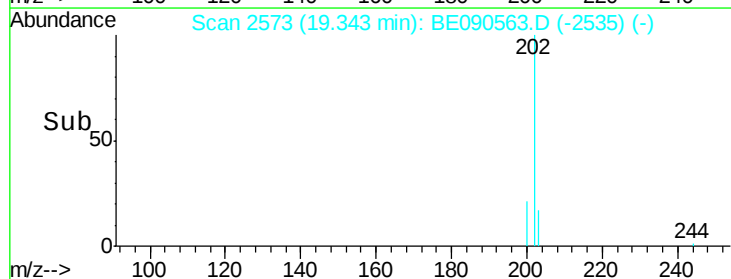
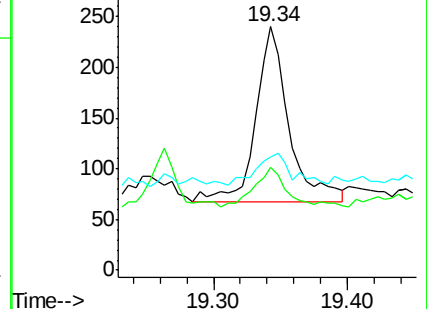
203 21.8 13.8 20.8#



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

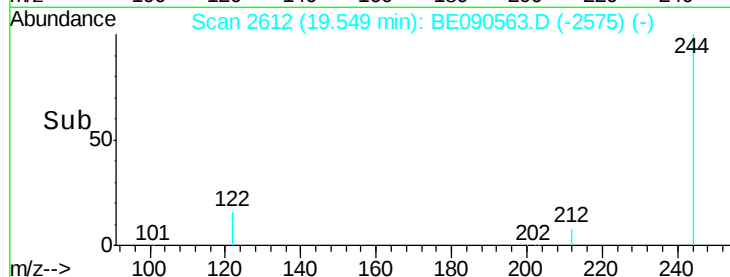
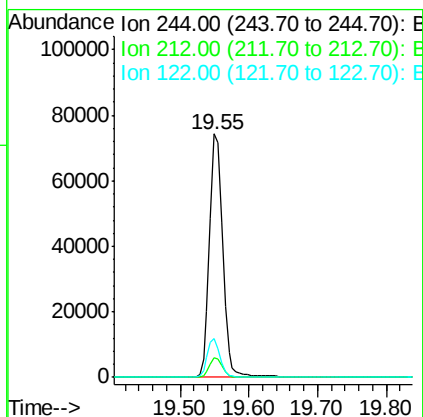
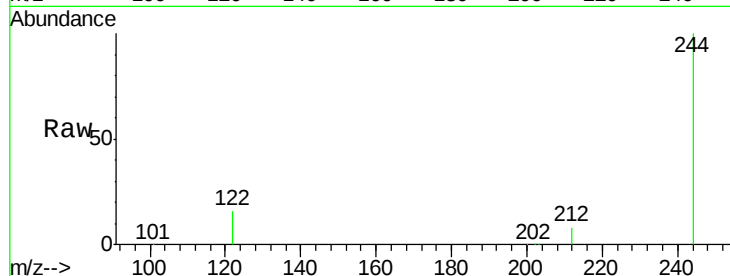




#27  
 Terphenyl-d14  
 Concen: 3.93 ng  
 RT: 19.55 min Scan# 2612  
 Delta R.T. -0.00 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

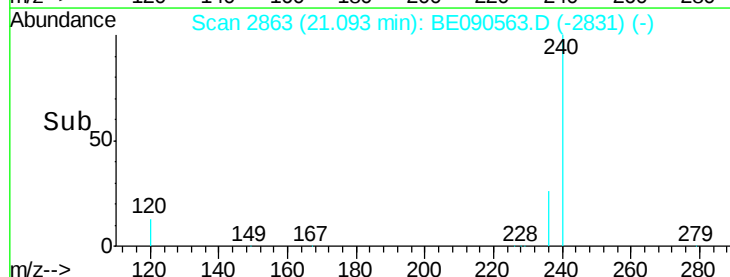
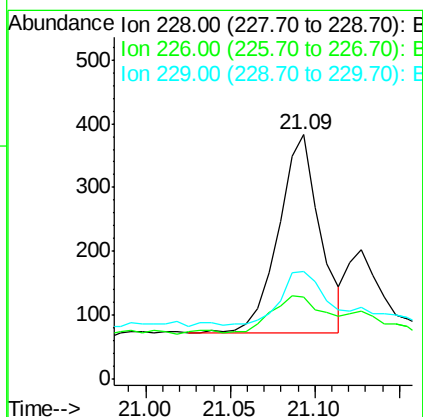
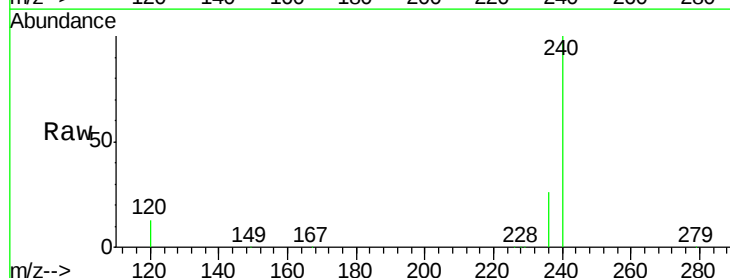
Instrument :  
 BNA\_E  
 ClientSampleId :  
 081715-D534-F-D-B

Tgt Ion: 244 Resp: 98845  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.6 9.8  
 122 15.7 10.2 15.4#



#28  
 Benzo(a)anthracene  
 Concen: 0.01 ng  
 RT: 21.09 min Scan# 2863  
 Delta R.T. 0.02 min  
 Lab File: BE090563.D  
 Acq: 18 Aug 2015 20:41

Tgt Ion: 228 Resp: 531  
 Ion Ratio Lower Upper  
 228 100  
 226 33.2 21.9 32.9#  
 229 44.1 15.4 23.0#





#29

Chrysene

Concen: 0.01 ng

RT: 21.13 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

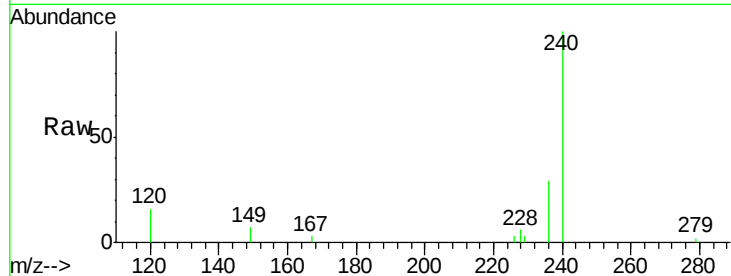
Tgt Ion:228 Resp: 197

Ion Ratio Lower Upper

228 100

226 52.5 23.1 34.7#

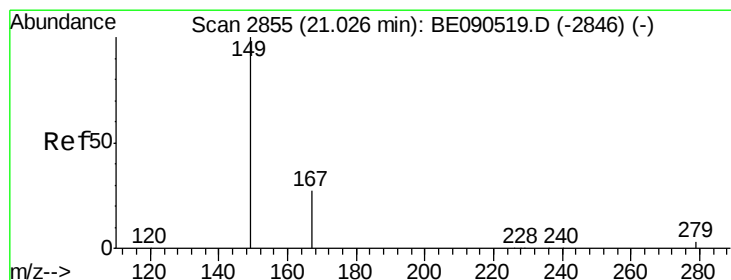
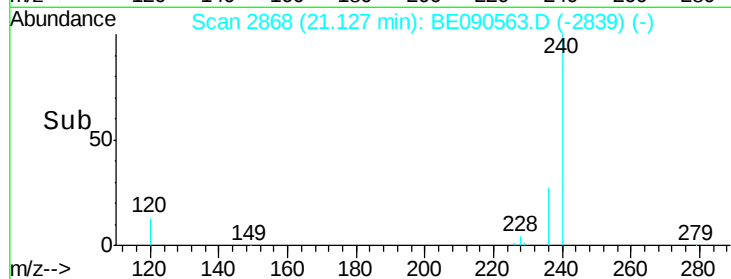
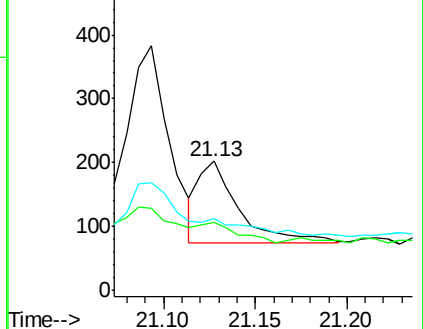
229 55.0 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.02 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

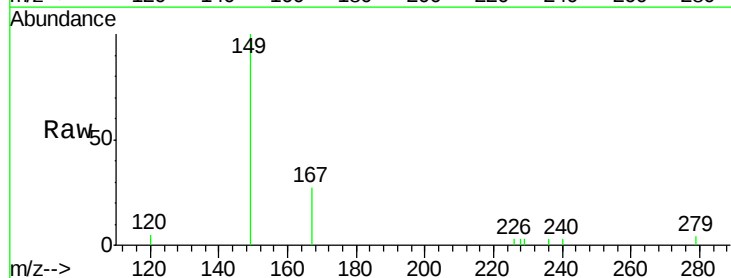
Tgt Ion:149 Resp: 3140

Ion Ratio Lower Upper

149 100

167 24.7 19.8 29.8

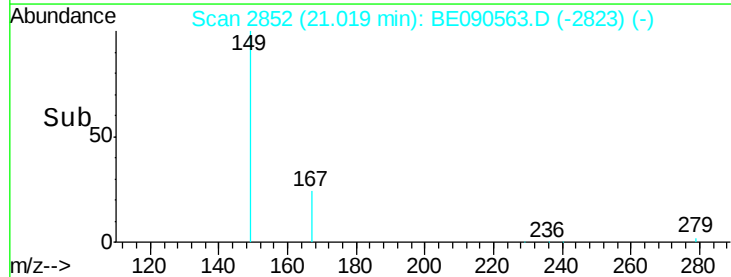
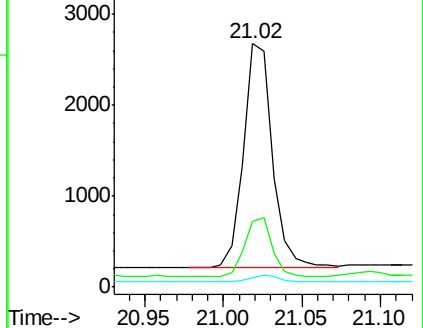
279 3.2 2.4 3.6

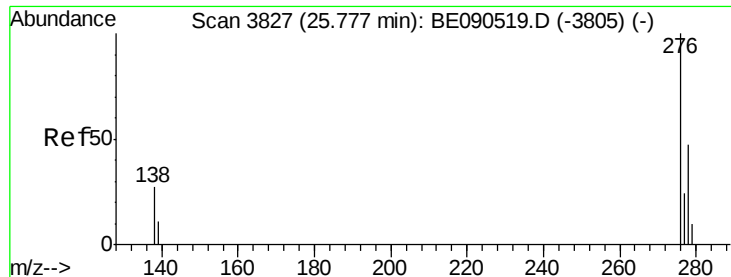


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 25.78 min Scan# 3826

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

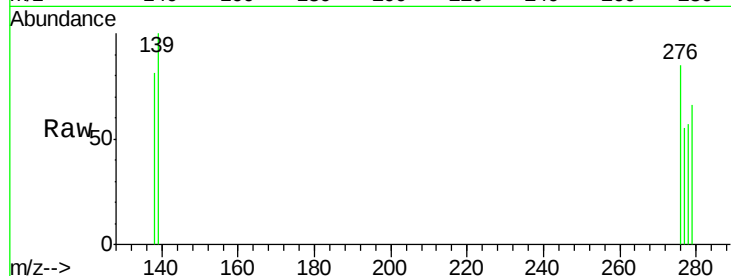
Tgt Ion:276 Resp: 83

Ion Ratio Lower Upper

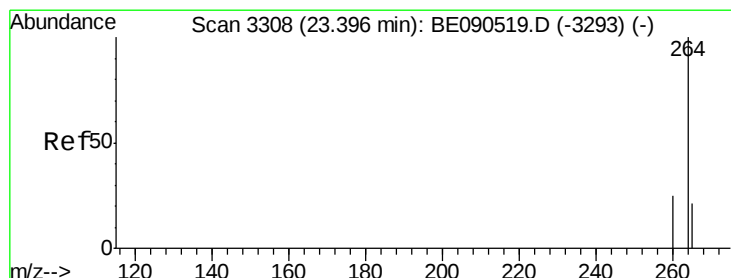
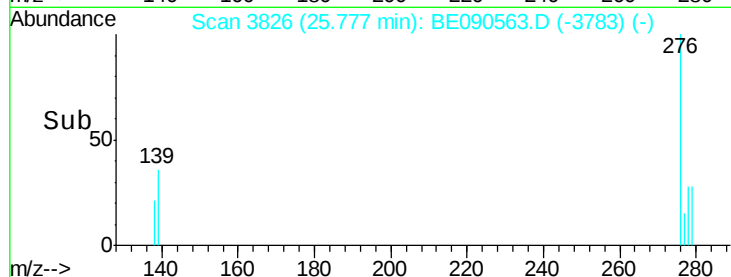
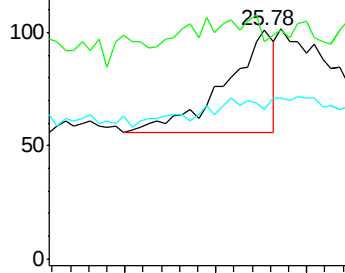
276 100

138 0.0 18.8 28.2#

277 4.8 18.2 27.4#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 3306

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

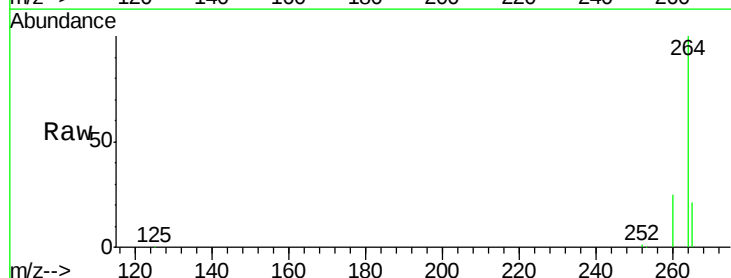
Tgt Ion:264 Resp: 125274

Ion Ratio Lower Upper

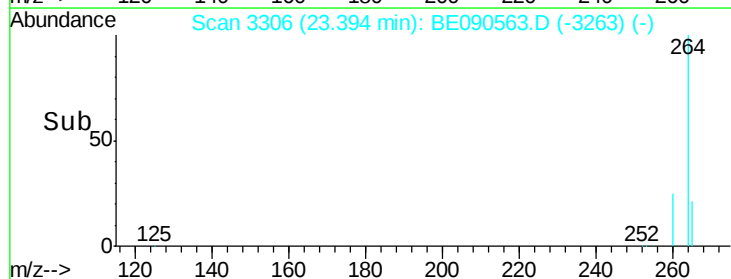
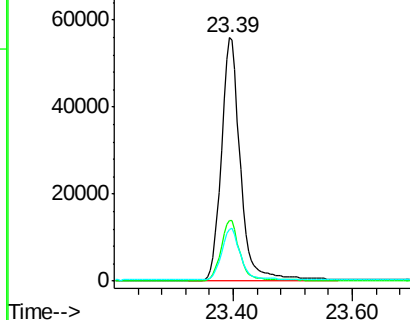
264 100

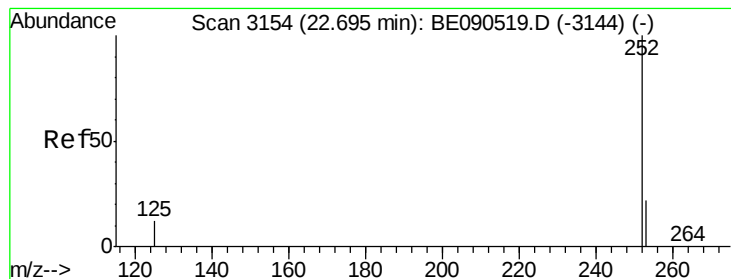
260 25.0 20.1 30.1

265 21.4 17.2 25.8



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: 0.01 ng

RT: 22.71 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

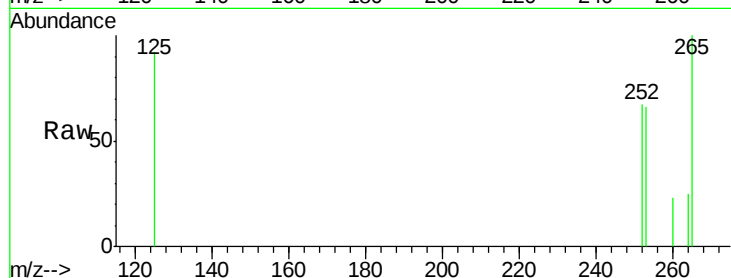
Tgt Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 98.9 18.1 27.1#

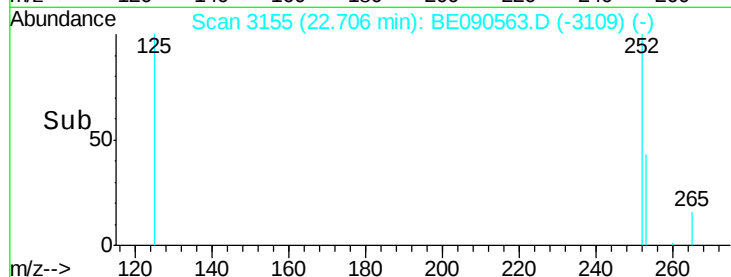
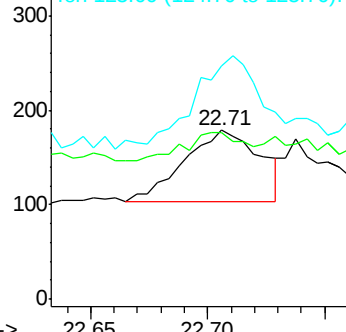
125 138.0 9.4 14.2#



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: 0.01 ng

RT: 22.71 min Scan# 3155

Delta R.T. -0.03 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

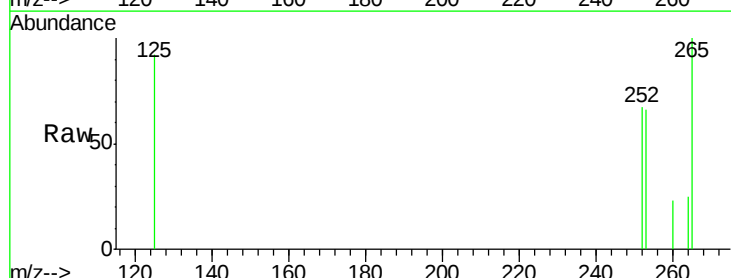
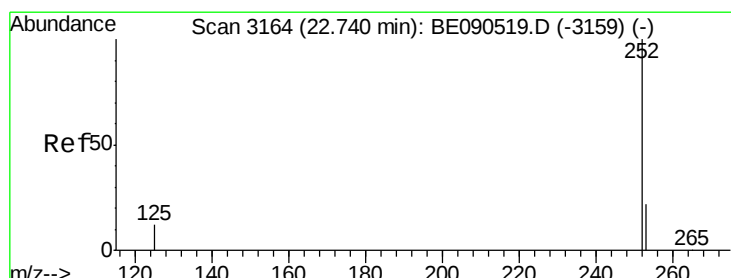
Tgt Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 98.9 18.1 27.1#

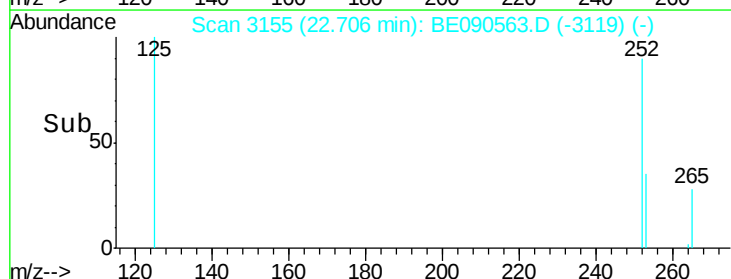
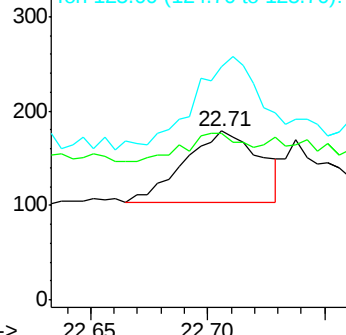
125 138.0 9.1 13.7#

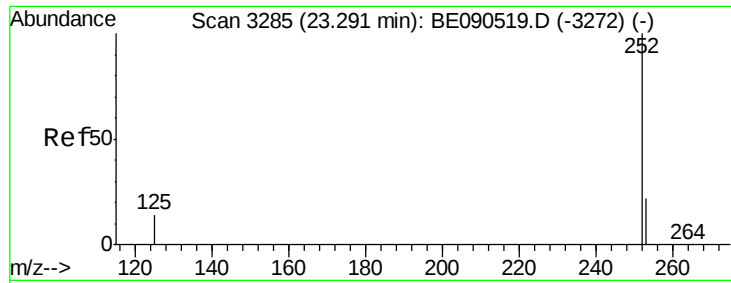


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B

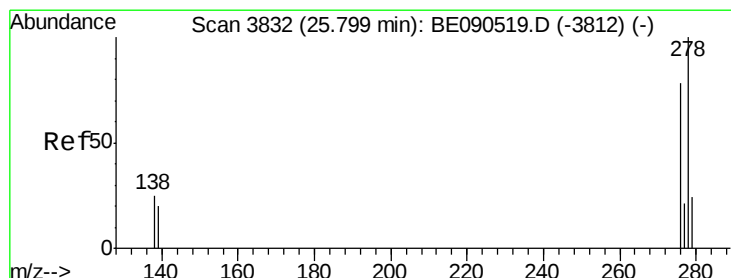
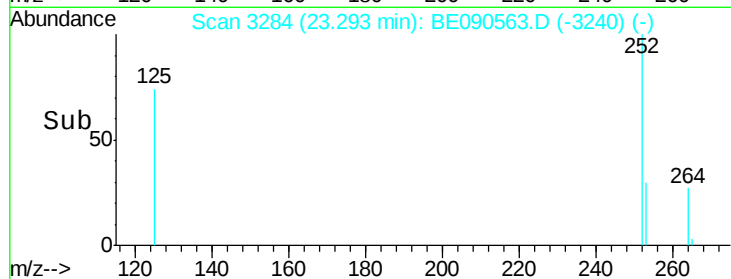
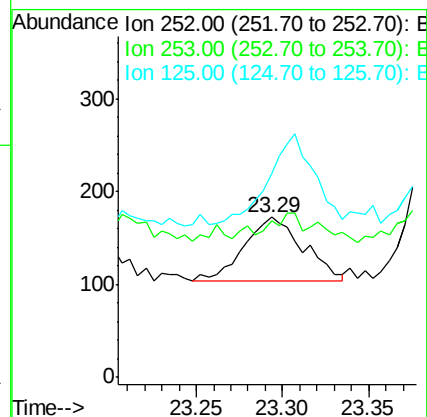
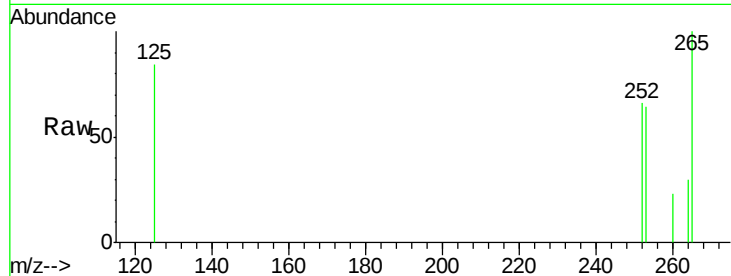
Tgt Ion: 252 Resp: 160

Ion Ratio Lower Upper

252 100

253 97.7 17.6 26.4#

125 127.9 9.8 14.6#



#36

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.00 min

Lab File: BE090563.D

Acq: 18 Aug 2015 20:41

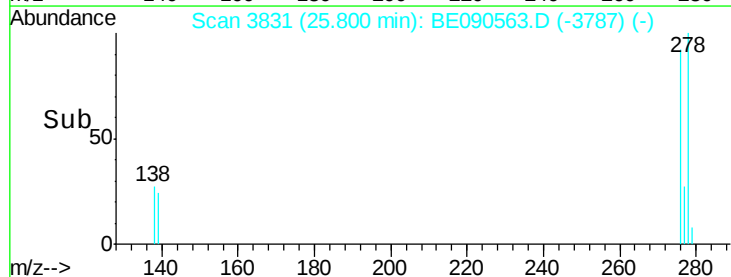
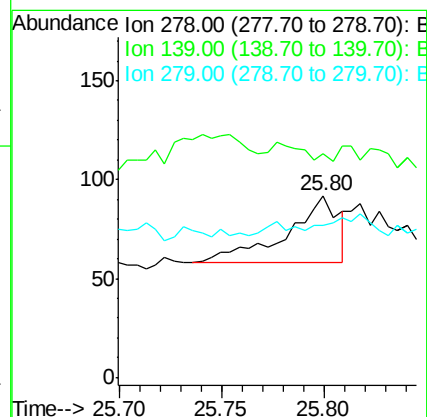
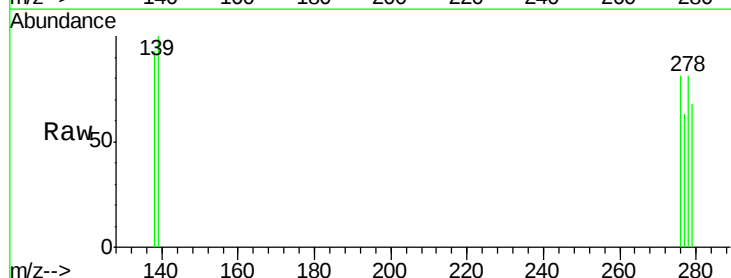
Tgt Ion: 278 Resp: 60

Ion Ratio Lower Upper

278 100

139 122.8 14.2 21.4#

279 83.7 20.1 30.1#





#37

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 26.51 min Scan# 3987

Delta R.T. 0.00 min

Lab File: BE090563.D

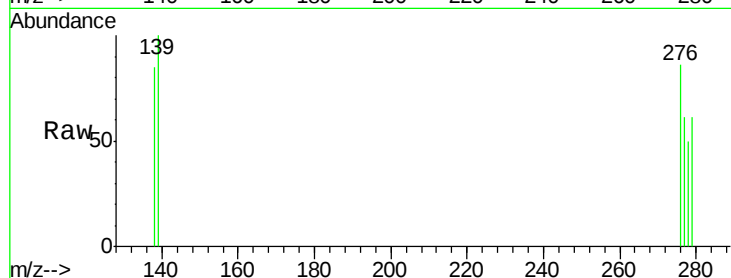
Acq: 18 Aug 2015 20:41

Instrument :

BNA\_E

ClientSampleId :

081715-D534-F-D-B



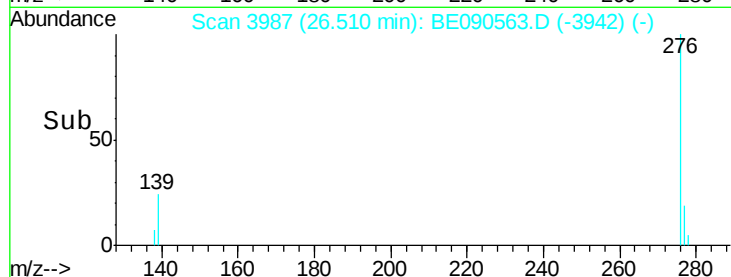
Tgt Ion: 276 Resp: 165

Ion Ratio Lower Upper

276 100

277 70.7 20.1 30.1#

138 99.0 18.1 27.1#



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

