

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE082415\  
 Data File : BE090600.D  
 Acq On : 24 Aug 2015 14:33  
 Operator : UM/IZ  
 Sample : IDOC-S-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 IDOC-S-03

Quant Time: Aug 24 15:04:15 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE081415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 14 16:52:42 2015  
 Response via : Initial Calibration

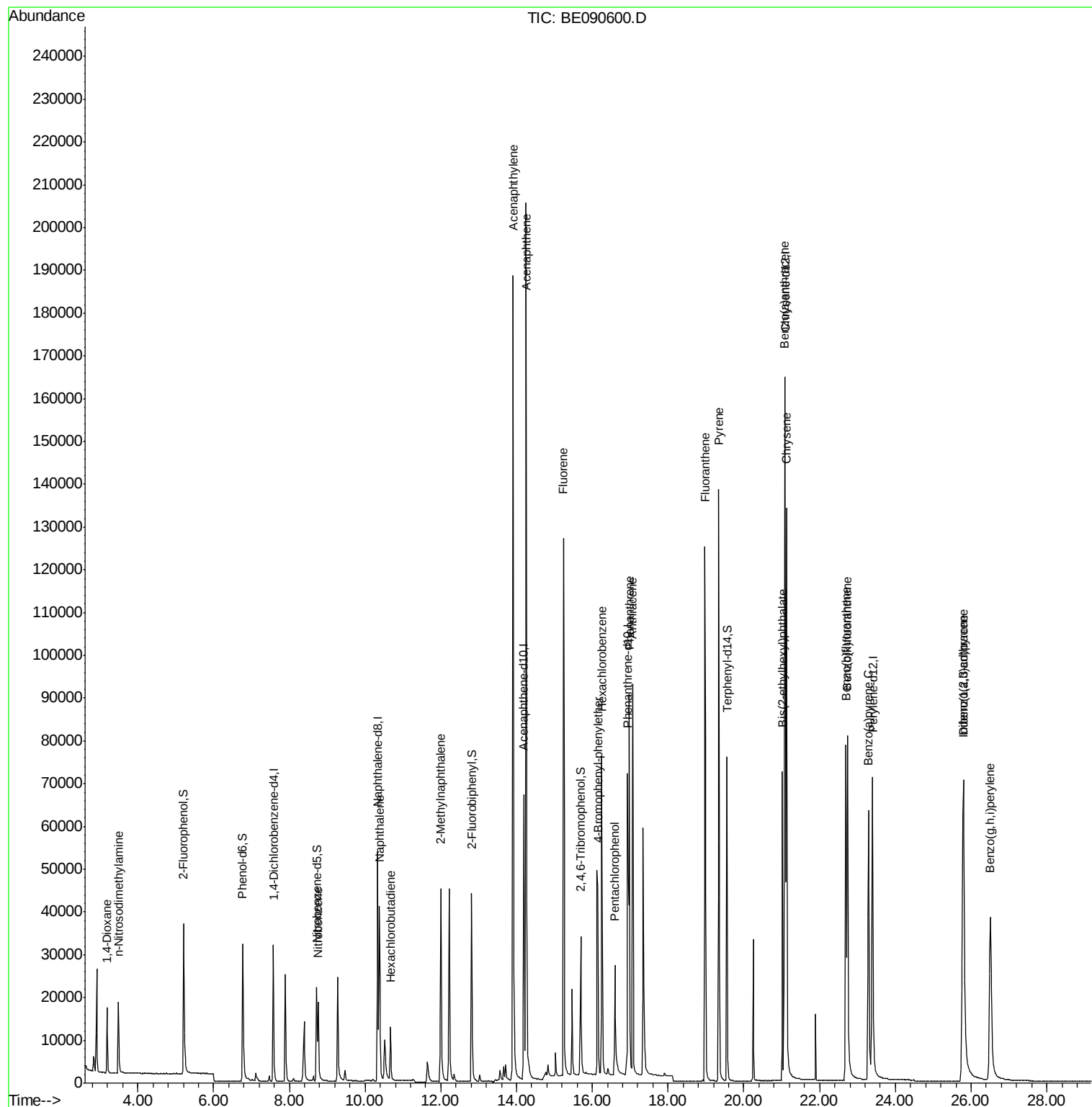
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 16216    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.33 | 136  | 75655    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.19 | 164  | 43525    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.93 | 188  | 105848   | 5.00 | ng    | -0.02    |
| 25) Chrysene-d12               | 21.09 | 240  | 124852   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.40 | 264  | 110188   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 31456    | 6.71 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.77  | 99   | 44995    | 6.53 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.72  | 82   | 23575    | 3.91 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.69 | 330  | 15559    | 9.29 | ng    | -0.02    |
| 14) 2-Fluorobiphenyl           | 12.81 | 172  | 48996    | 3.77 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.55 | 244  | 84657    | 3.71 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.19  | 88   | 8177     | 4.45 | ng    | 96       |
| 3) n-Nitrosodimethylamine      | 3.48  | 42   | 10276    | 3.67 | ng    | # 79     |
| 8) Nitrobenzene                | 8.76  | 77   | 23140    | 3.71 | ng    | 95       |
| 9) Naphthalene                 | 10.38 | 128  | 59597    | 3.47 | ng    | 98       |
| 10) Hexachlorobutadiene        | 10.67 | 225  | 8823     | 3.50 | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.00 | 142  | 41201    | 3.68 | ng    | 98       |
| 15) Acenaphthylene             | 13.91 | 152  | 283817   | 3.57 | ng    | 100      |
| 16) Acenaphthene               | 14.25 | 154  | 42434    | 3.55 | ng    | # 82     |
| 17) Fluorene                   | 15.24 | 166  | 58282    | 3.98 | ng    | 98       |
| 19) 4-Bromophenyl-phenylether  | 16.14 | 248  | 15570    | 3.60 | ng    | 77       |
| 20) Hexachlorobenzene          | 16.25 | 284  | 71443    | 3.73 | ng    | 97       |
| 21) Pentachlorophenol          | 16.60 | 266  | 15479    | 6.63 | ng    | 90       |
| 22) Phenanthrene               | 16.98 | 178  | 105815   | 3.81 | ng    | 99       |
| 23) Anthracene                 | 17.07 | 178  | 102342   | 4.00 | ng    | 99       |
| 24) Fluoranthene               | 18.98 | 202  | 121223   | 4.10 | ng    | 99       |
| 26) Pyrene                     | 19.34 | 202  | 130675   | 3.66 | ng    | 99       |
| 28) Benzo(a)anthracene         | 21.07 | 228  | 120718   | 3.67 | ng    | 99       |
| 29) Chrysene                   | 21.13 | 228  | 126622   | 3.77 | ng    | 99       |
| 30) Bis(2-ethylhexyl)phthalate | 21.02 | 149  | 63848    | 3.31 | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276  | 117039   | 3.70 | ng    | # 92     |
| 33) Benzo(b)fluoranthene       | 22.70 | 252  | 103553   | 3.97 | ng    | 99       |
| 34) Benzo(k)fluoranthene       | 22.74 | 252  | 126144   | 4.27 | ng    | 97       |
| 35) Benzo(a)pyrene             | 23.29 | 252  | 107111   | 4.39 | ng    | 98       |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278  | 93563    | 3.97 | ng    | 97       |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276  | 104069   | 4.04 | ng    | 96       |

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

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Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE081415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 14 16:52:42 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

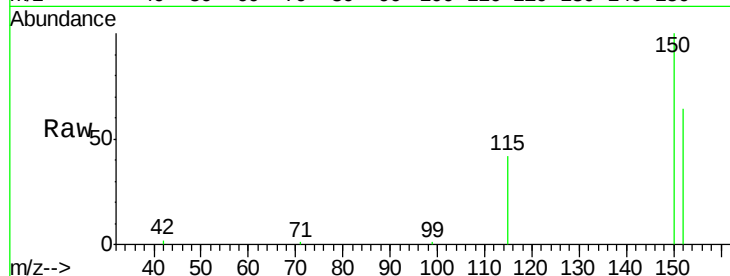
Tgt Ion:152 Resp: 16216

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

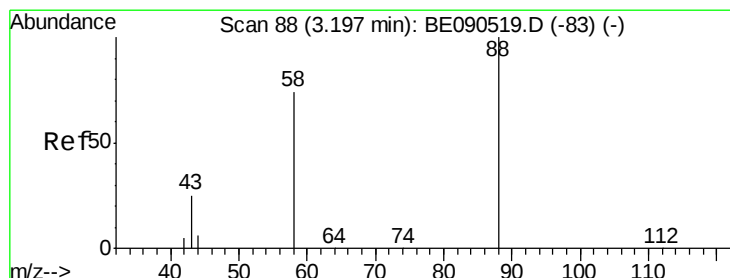
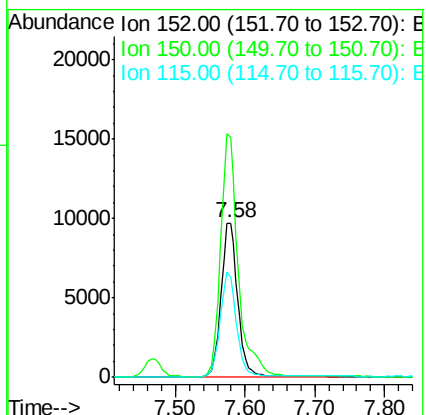
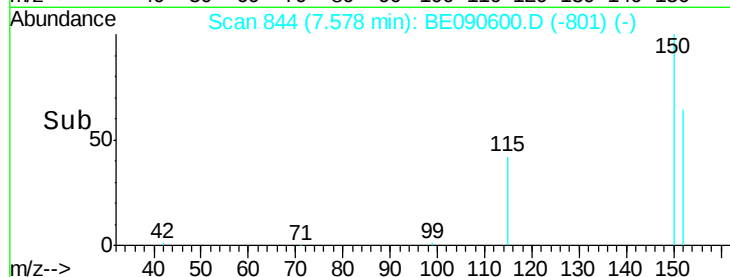
115 65.1 48.9 73.3



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: 4.45 ng

RT: 3.19 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

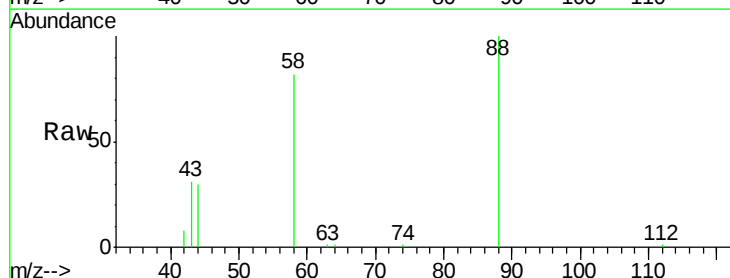
Tgt Ion: 88 Resp: 8177

Ion Ratio Lower Upper

88 100

58 84.9 70.0 105.0

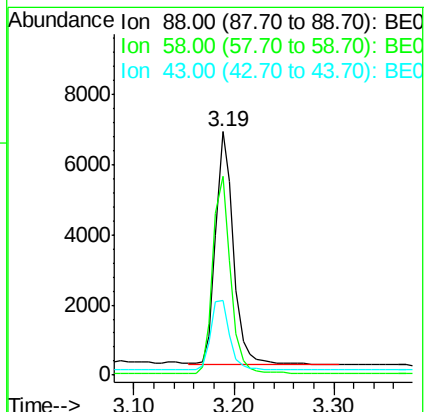
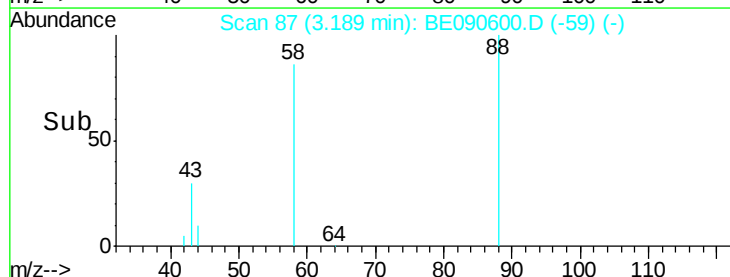
43 32.0 28.4 42.6



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: 3.67 ng

RT: 3.48 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

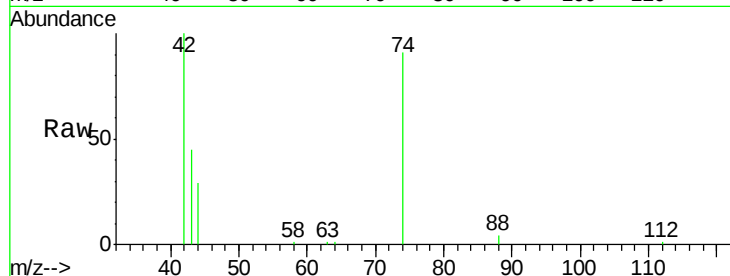
Tgt Ion: 42 Resp: 10276

Ion Ratio Lower Upper

42 100

74 116.3 75.2 112.8#

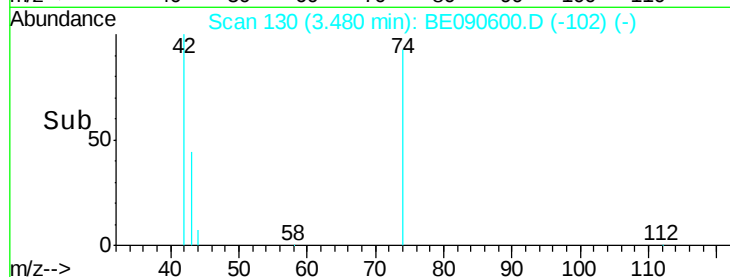
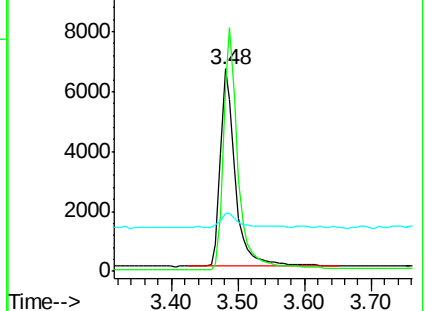
44 9.1 8.7 13.1



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: 6.71 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

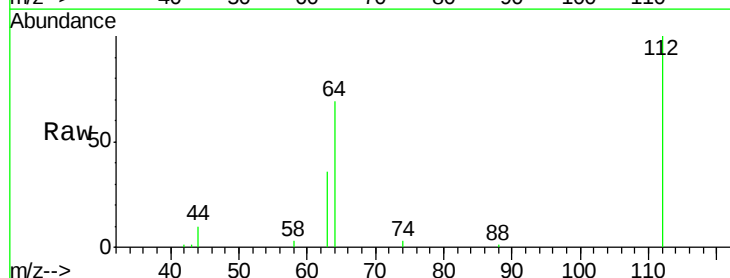
Tgt Ion: 112 Resp: 31456

Ion Ratio Lower Upper

112 100

64 70.0 37.1 55.7#

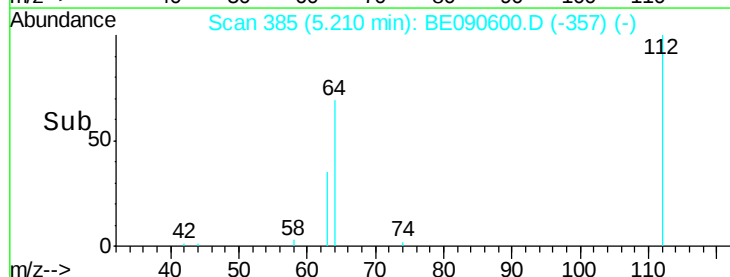
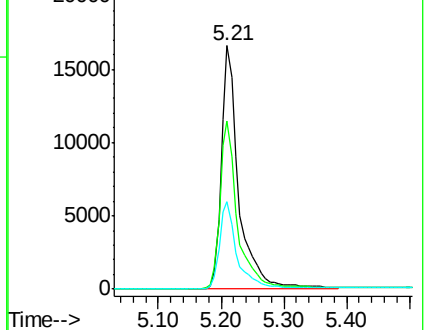
63 36.0 19.5 29.3#

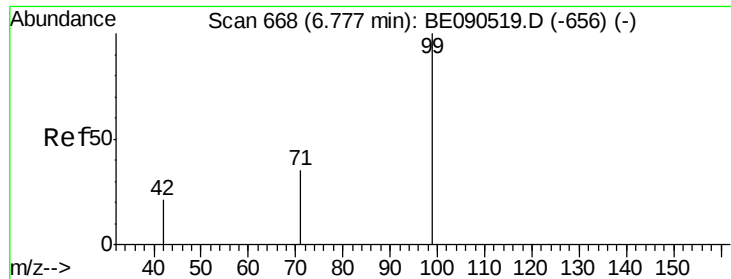


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.53 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

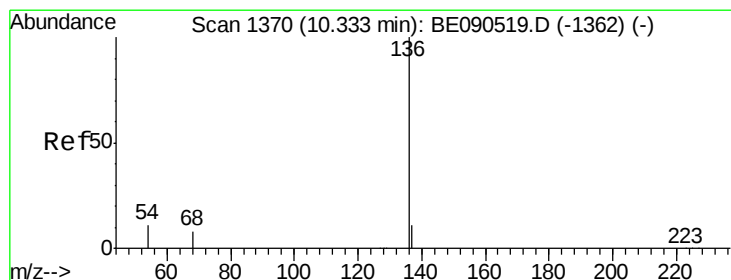
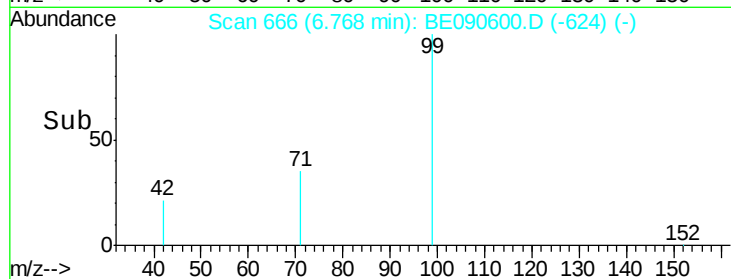
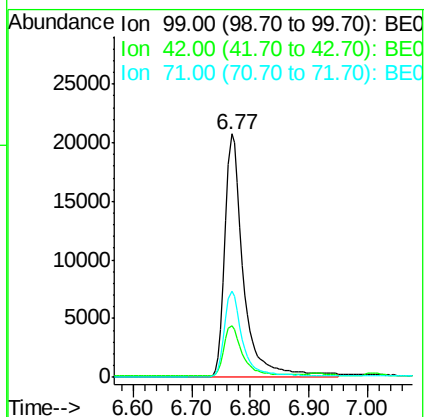
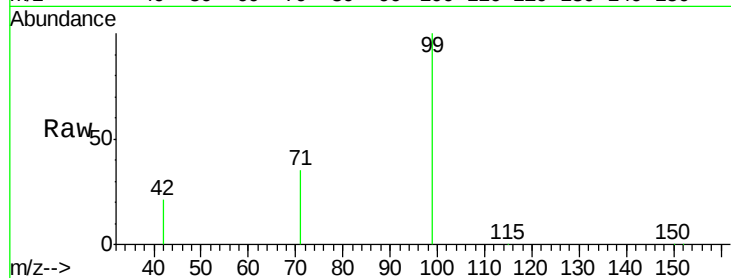
Tgt Ion: 99 Resp: 44995

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.4

71 35.1 27.4 41.0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Tgt Ion: 136 Resp: 75655

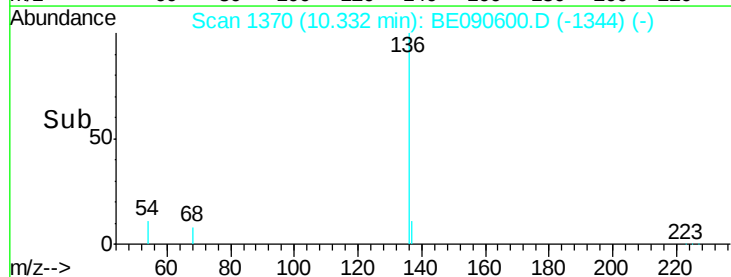
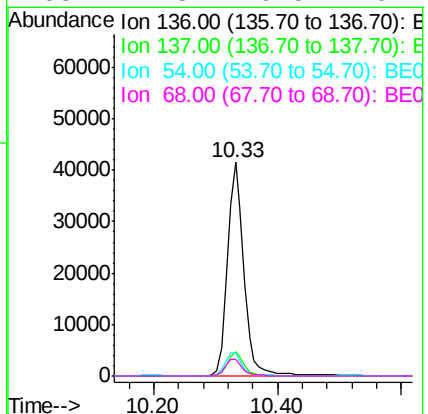
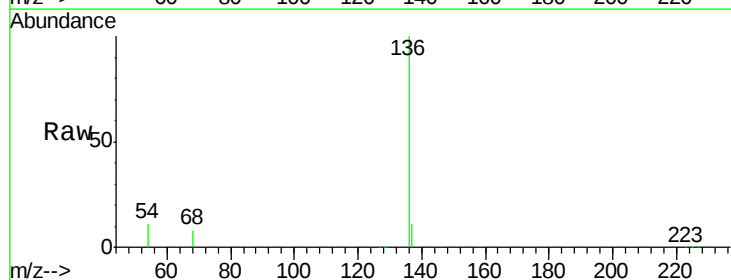
Ion Ratio Lower Upper

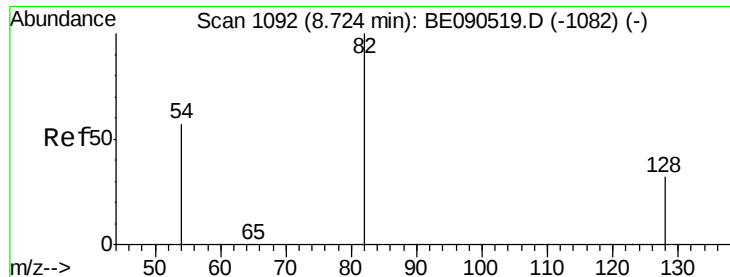
136 100

137 11.2 8.7 13.1

54 10.7 9.4 14.0

68 7.8 6.5 9.7





#7

Nitrobenzene-d5

Concen: 3.91 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

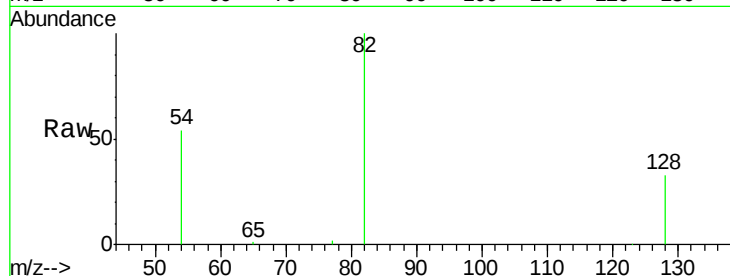
Tgt Ion: 82 Resp: 23575

Ion Ratio Lower Upper

82 100

128 32.9 25.0 37.6

54 54.3 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

8.72

15000

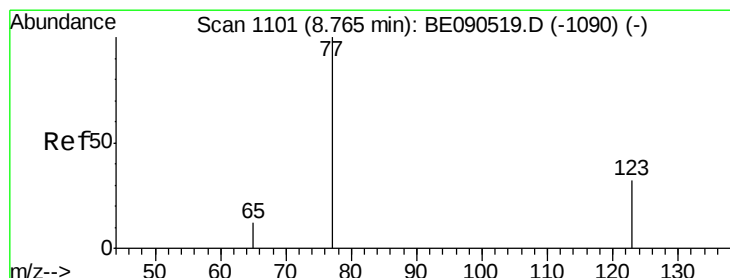
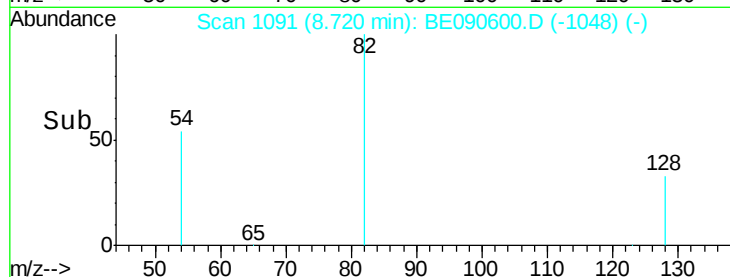
10000

5000

0

8.60 8.70 8.80 8.90

Time-->



#8

Nitrobenzene

Concen: 3.71 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

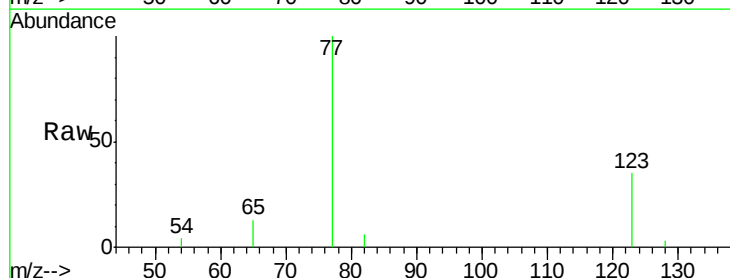
Tgt Ion: 77 Resp: 23140

Ion Ratio Lower Upper

77 100

123 34.8 25.1 37.7

65 12.8 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

8.76

15000

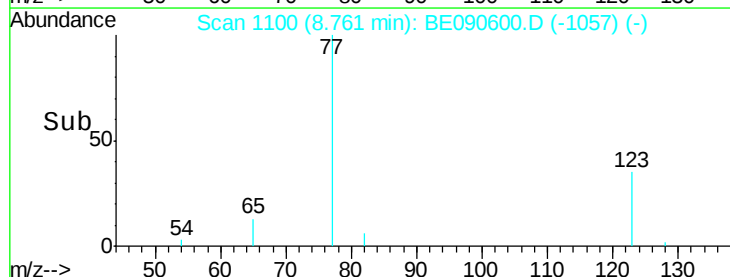
10000

5000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#9

Naphthalene

Concen: 3.47 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

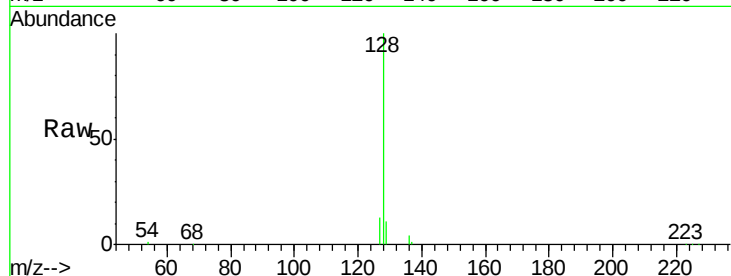
Tgt Ion:128 Resp: 59597

Ion Ratio Lower Upper

128 100

129 11.0 9.8 14.6

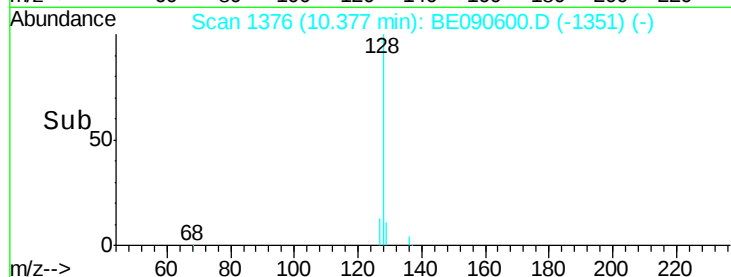
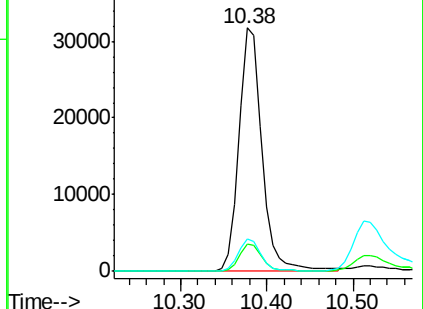
127 13.2 10.6 16.0



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: 3.50 ng

RT: 10.67 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

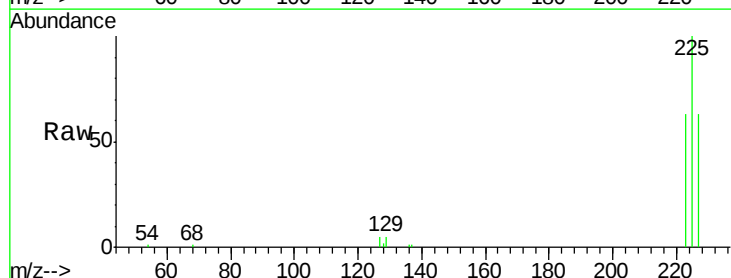
Tgt Ion:225 Resp: 8823

Ion Ratio Lower Upper

225 100

223 62.4 50.6 75.8

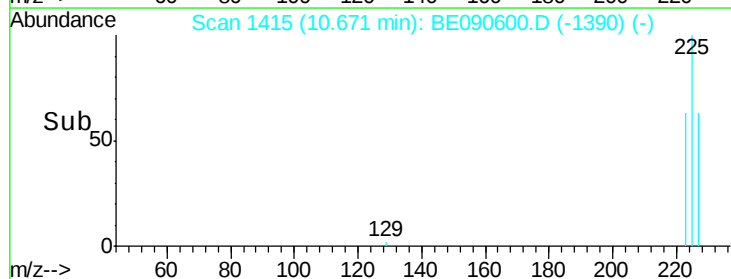
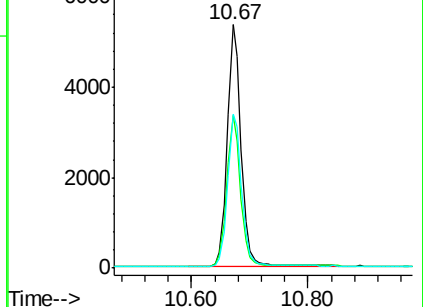
227 64.2 50.7 76.1



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: 3.68 ng

RT: 12.00 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

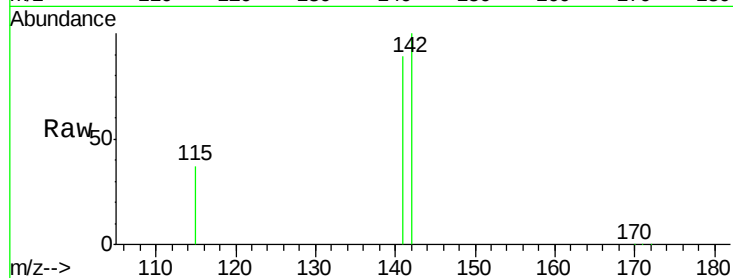
Tgt Ion:142 Resp: 41201

Ion Ratio Lower Upper

142 100

141 89.3 72.6 109.0

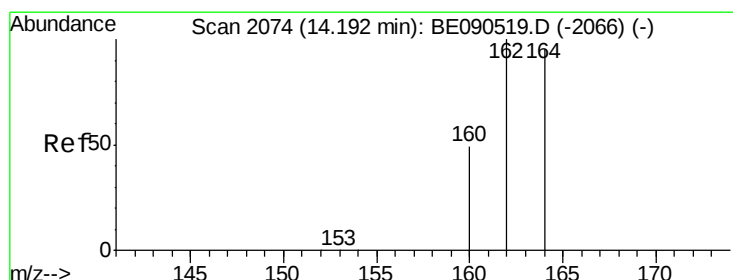
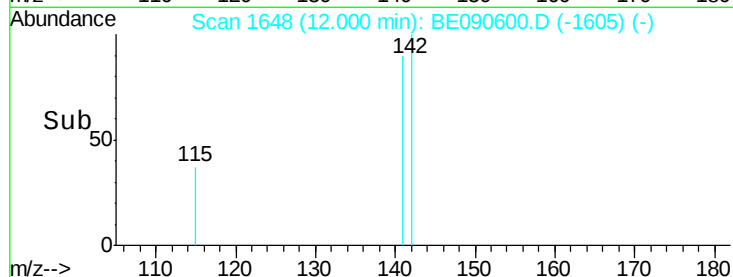
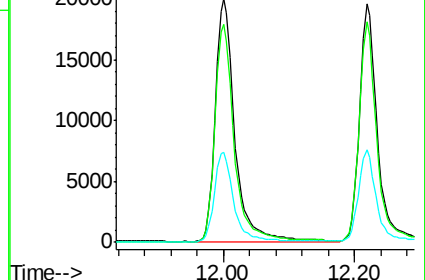
115 36.9 31.6 47.4



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: BE090600.D

Acq: 24 Aug 2015 14:33

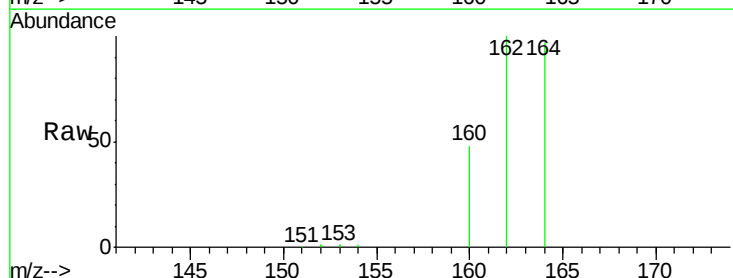
Tgt Ion:164 Resp: 43525

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.8

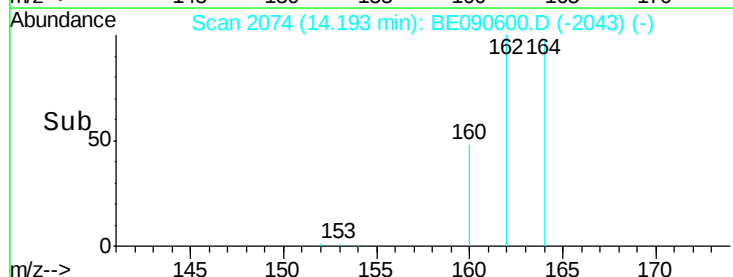
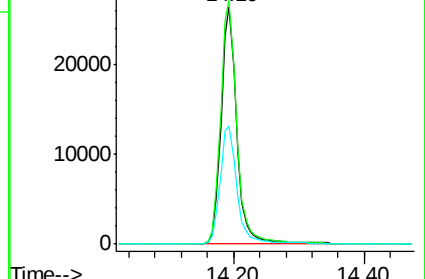
160 49.7 44.2 66.4



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

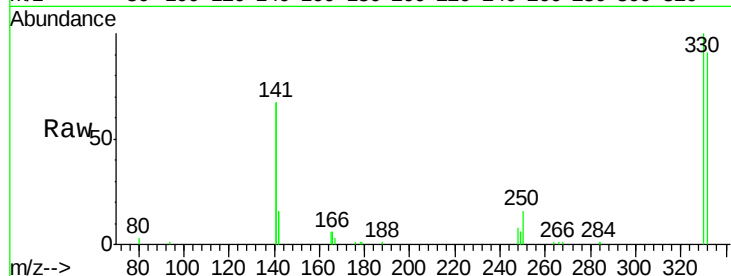




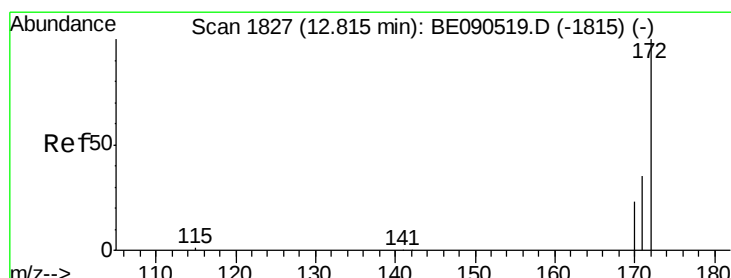
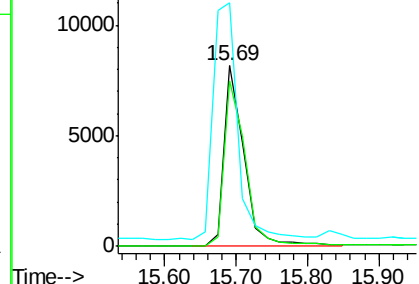
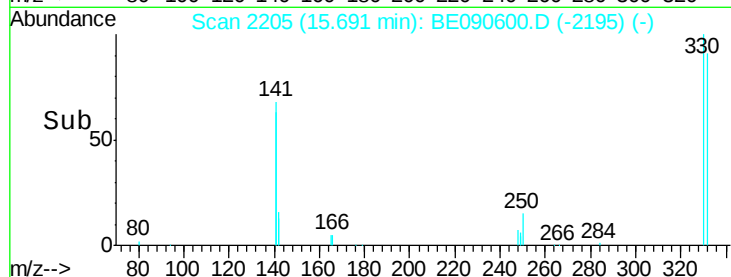
#13  
 2,4,6-Tribromophenol  
 Concen: 9.29 ng  
 RT: 15.69 min Scan# 2205  
 Delta R.T. -0.02 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Instrument :  
 BNA\_E  
 ClientSampleID :  
 IDOC-S-03

Tgt Ion:330 Resp: 15559  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 75.8 113.6  
 141 165.8 114.4 171.6

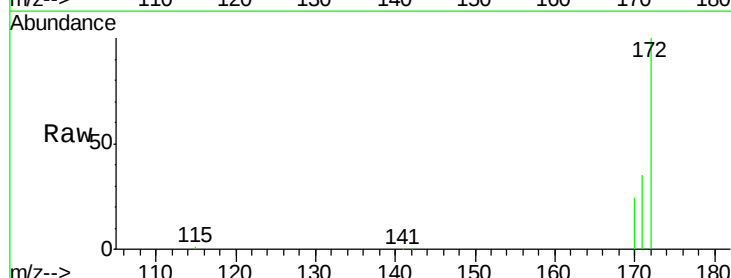


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

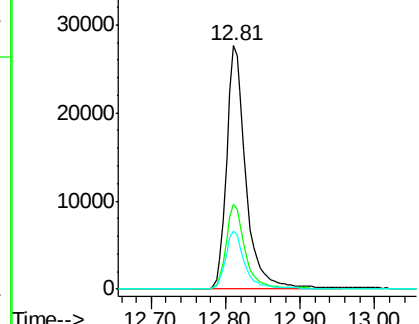
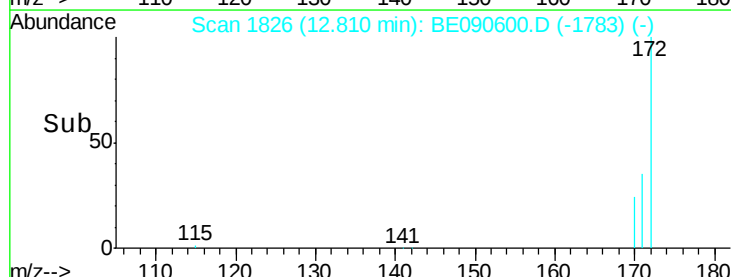


#14  
 2-Fluorobiphenyl  
 Concen: 3.77 ng  
 RT: 12.81 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Tgt Ion:172 Resp: 48996  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.5 42.7  
 170 23.7 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 3.57 ng

RT: 13.91 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

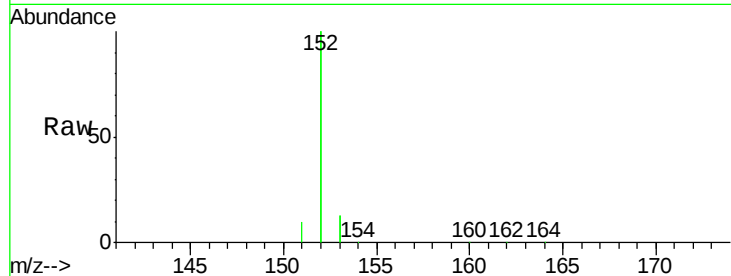
Tgt Ion:152 Resp: 283817

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

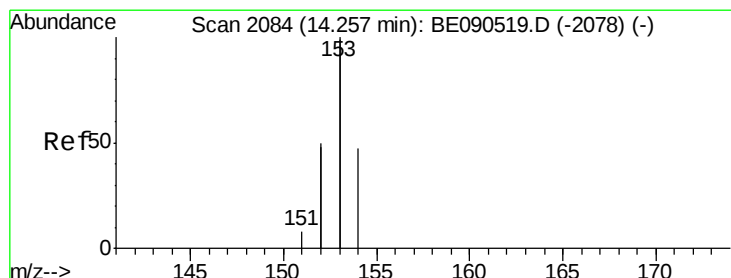
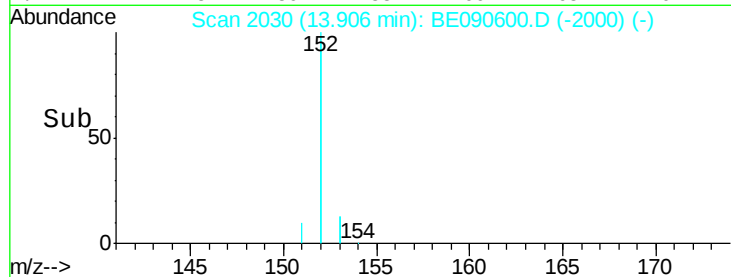
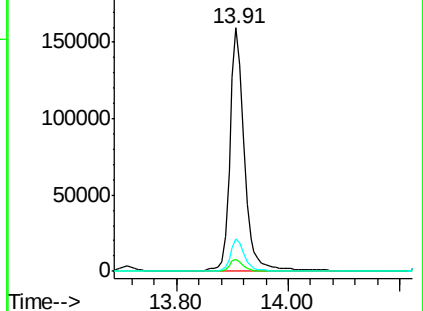
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 3.55 ng

RT: 14.25 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

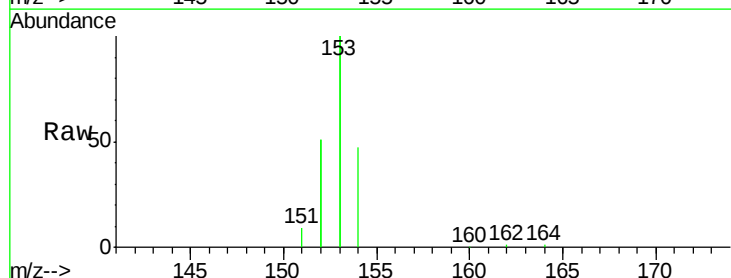
Tgt Ion:154 Resp: 42434

Ion Ratio Lower Upper

154 100

153 446.6 376.2 564.2

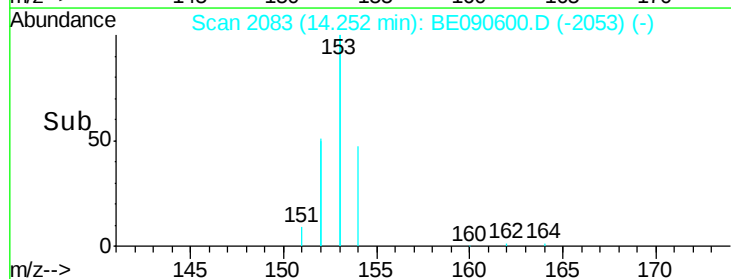
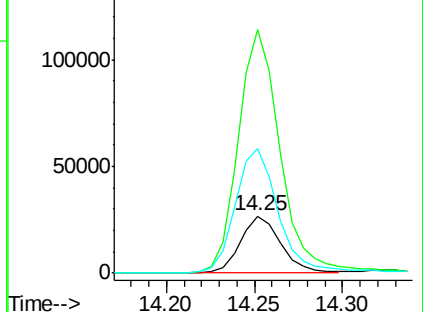
152 231.8 235.0 352.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

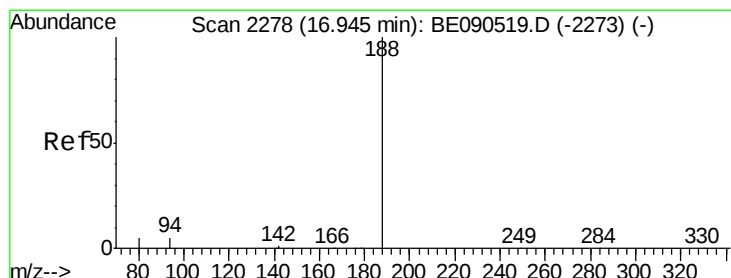
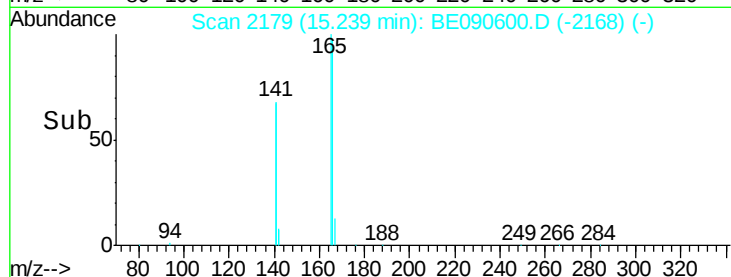
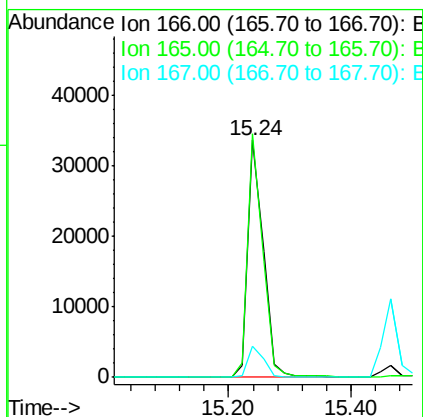
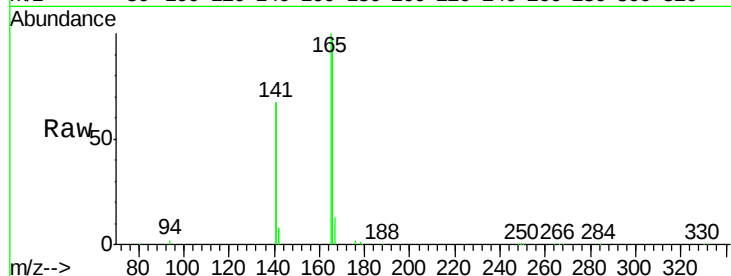




#17  
**Fluorene**  
 Concen: 3.98 ng  
 RT: 15.24 min Scan# 2179  
 Delta R.T. -0.00 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

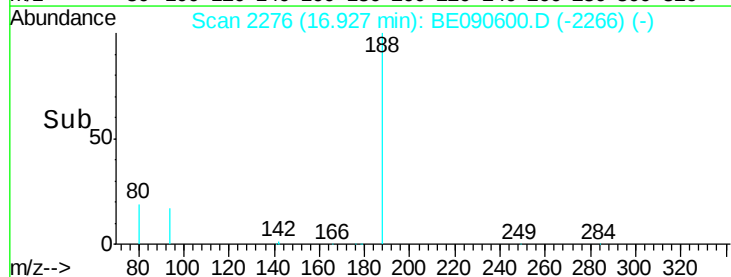
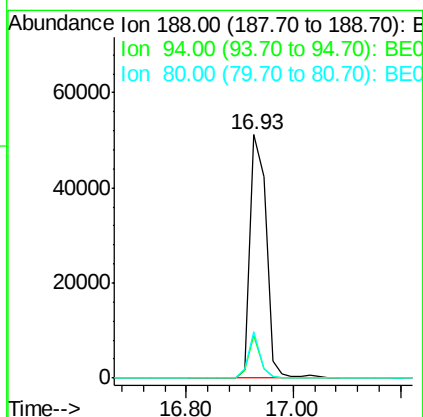
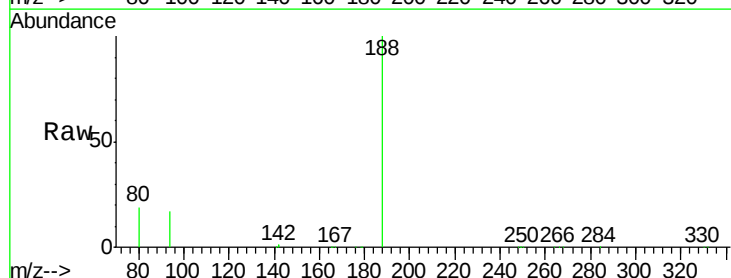
Instrument :  
 BNA\_E  
 ClientSampleId :  
 IDOC-S-03

Tgt Ion:166 Resp: 58282  
 Ion Ratio Lower Upper  
 166 100  
 165 99.6 81.5 122.3  
 167 13.7 11.4 17.0



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.93 min Scan# 2276  
 Delta R.T. -0.02 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Tgt Ion:188 Resp: 105848  
 Ion Ratio Lower Upper  
 188 100  
 94 17.5 5.7 8.5#  
 80 19.1 5.8 8.8#





#19

4-Bromophenyl-phenylether

Concen: 3.60 ng

RT: 16.14 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

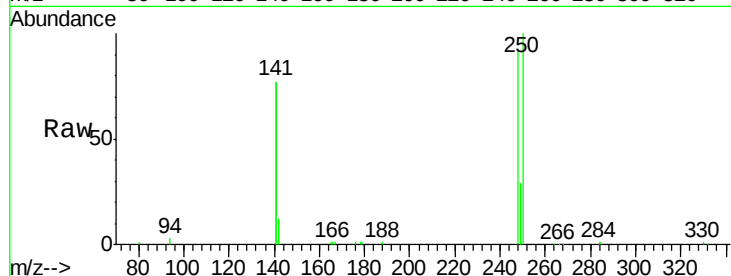
Tgt Ion:248 Resp: 15570

Ion Ratio Lower Upper

248 100

250 99.0 79.0 118.6

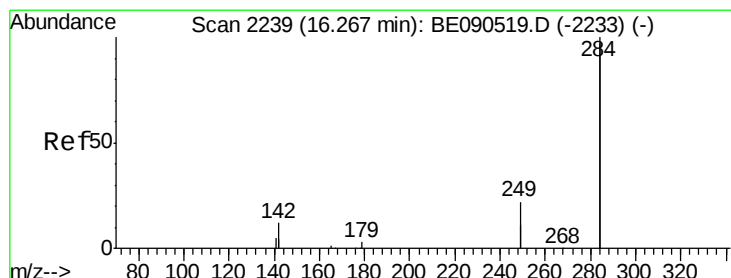
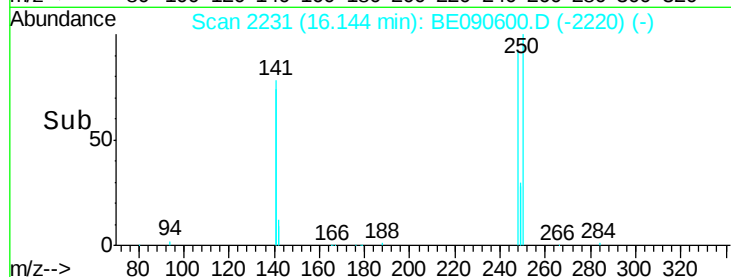
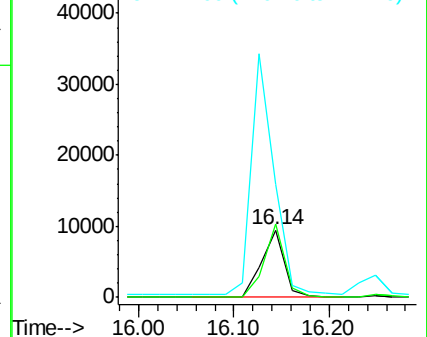
141 358.3 239.5 359.3



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: 3.73 ng

RT: 16.25 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

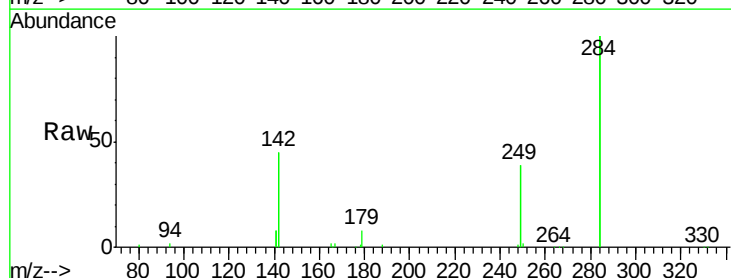
Tgt Ion:284 Resp: 71443

Ion Ratio Lower Upper

284 100

142 39.8 30.1 45.1

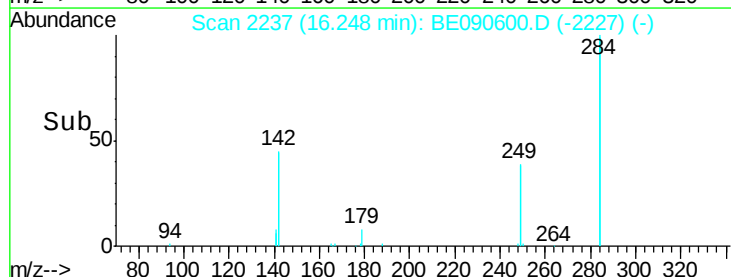
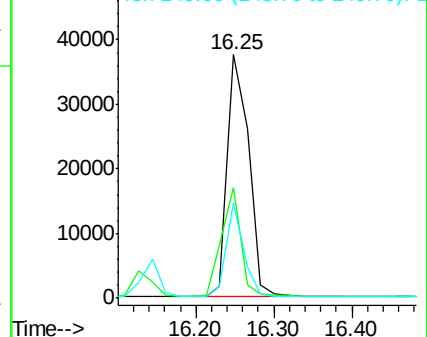
249 31.3 25.7 38.5

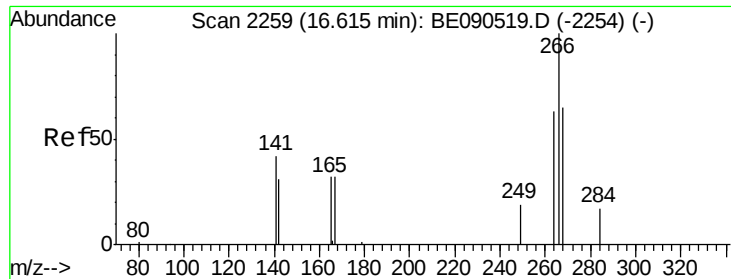


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

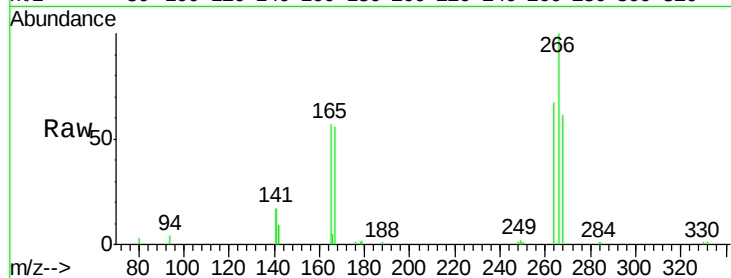




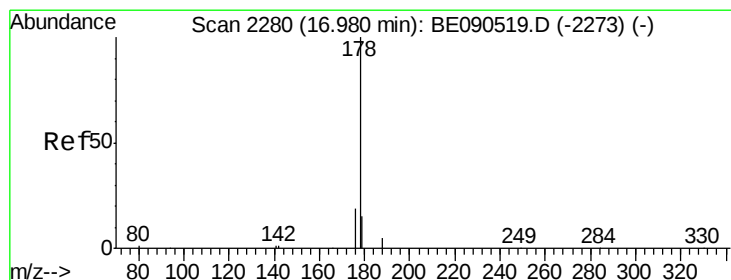
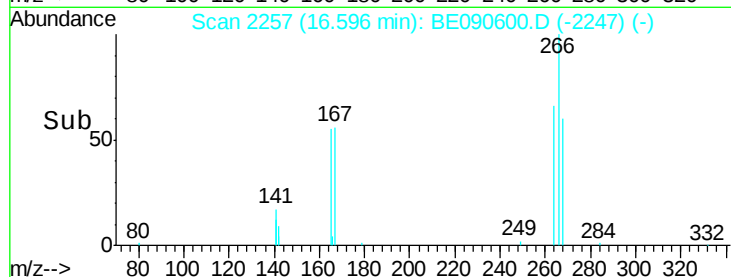
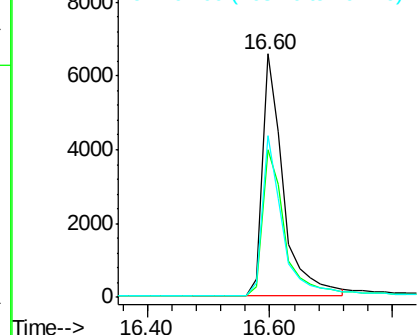
#21  
 Pentachlorophenol  
 Concen: 6.63 ng  
 RT: 16.60 min Scan# 2257  
 Delta R.T. -0.02 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 IDOC-S-03

Tgt Ion: 266 Resp: 15479  
 Ion Ratio Lower Upper  
 266 100  
 268 60.7 58.5 87.7  
 264 66.6 56.0 84.0

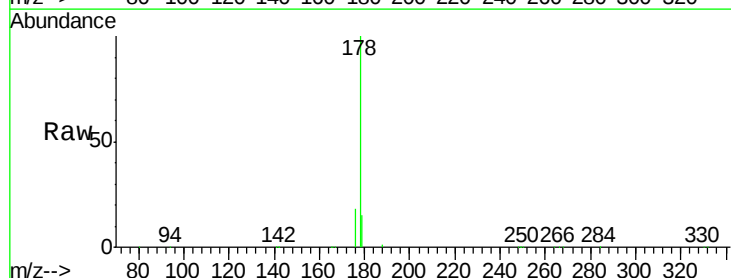


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

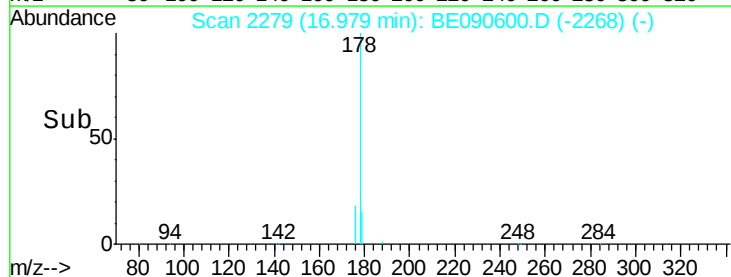
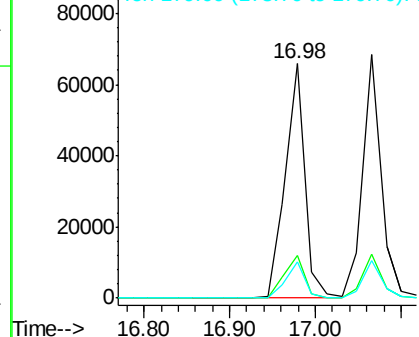


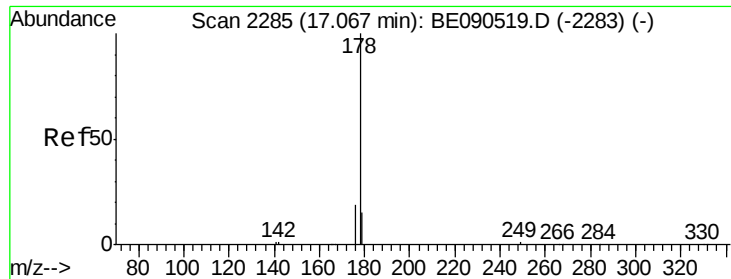
#22  
 Phenanthrene  
 Concen: 3.81 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Tgt Ion: 178 Resp: 105815  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.2  
 179 15.1 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: 4.00 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

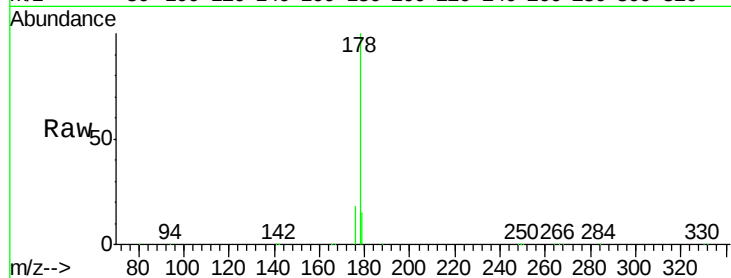
Tgt Ion:178 Resp: 102342

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

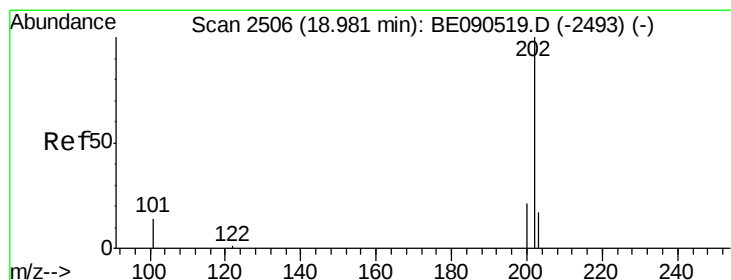
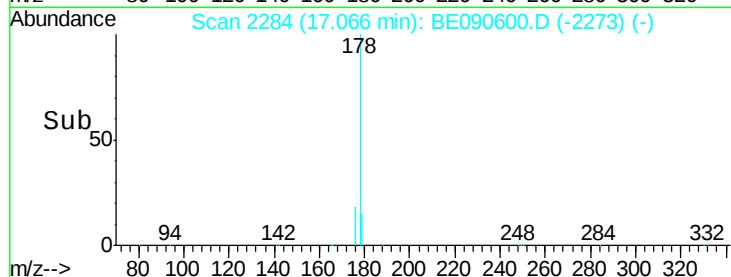
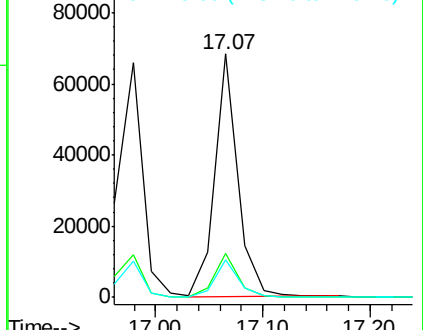
179 15.4 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 4.10 ng

RT: 18.98 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

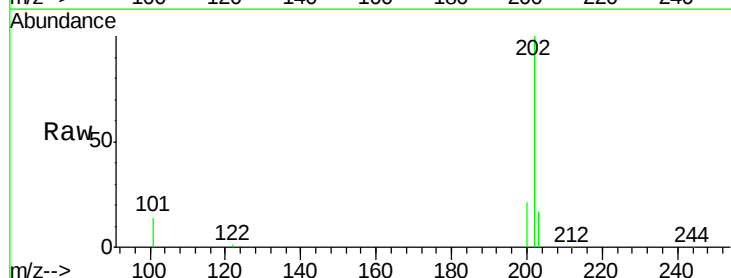
Tgt Ion:202 Resp: 121223

Ion Ratio Lower Upper

202 100

101 13.8 10.3 15.5

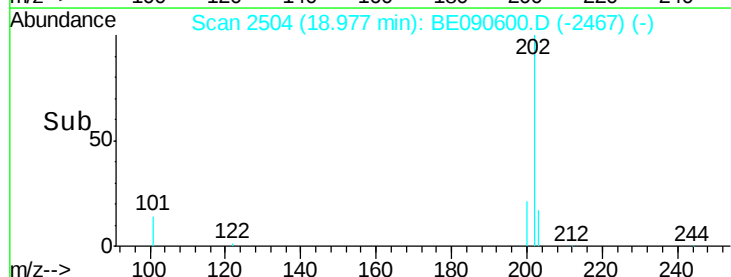
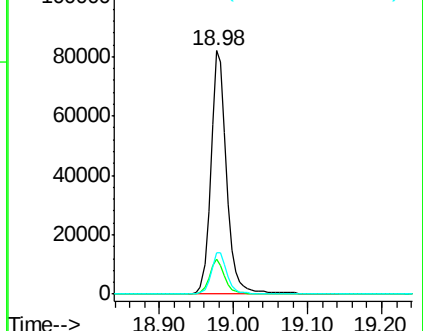
203 17.2 13.7 20.5



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# 2864

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

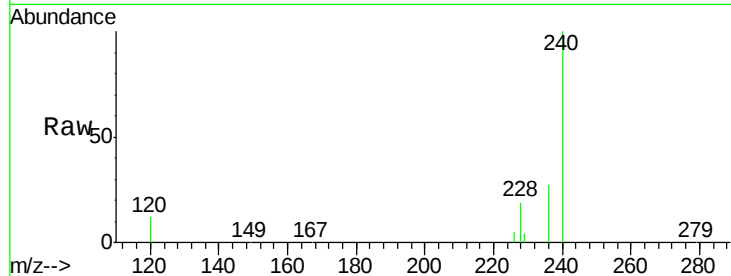
Tgt Ion:240 Resp: 124852

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

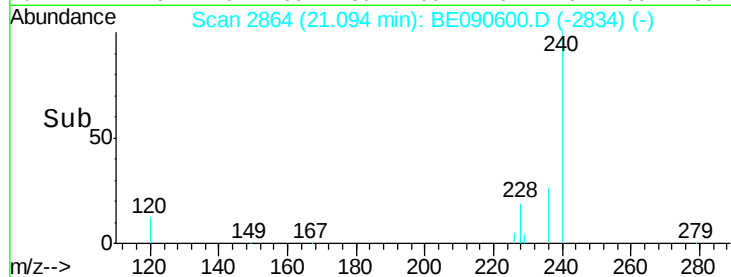
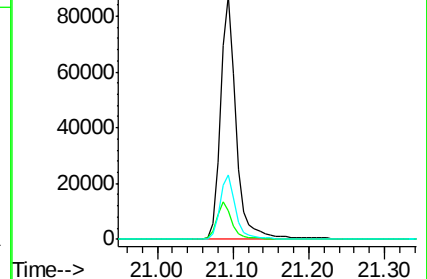
236 26.5 21.0 31.4



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: 3.66 ng

RT: 19.34 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

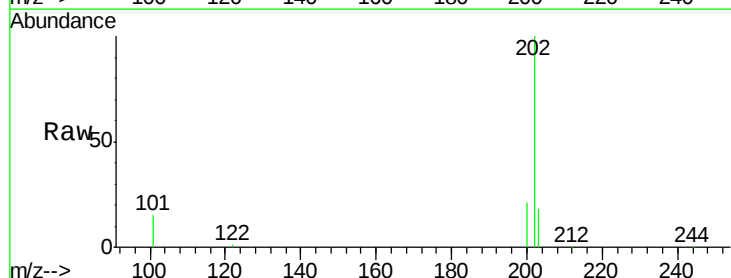
Tgt Ion:202 Resp: 130675

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

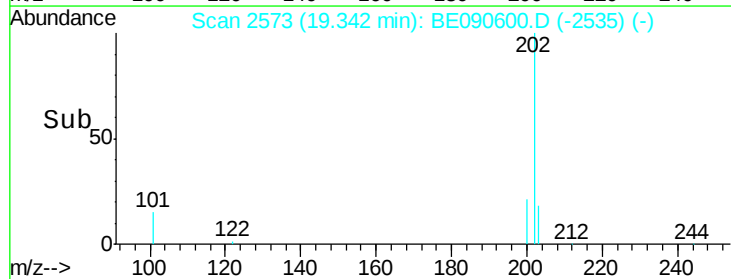
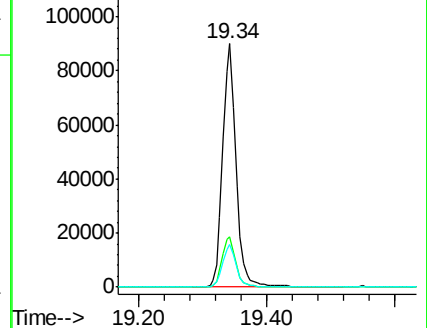
203 18.0 13.8 20.8

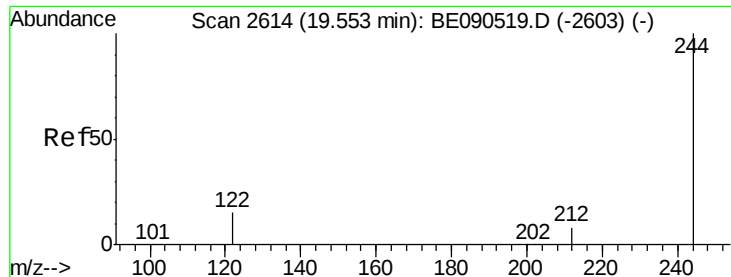


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

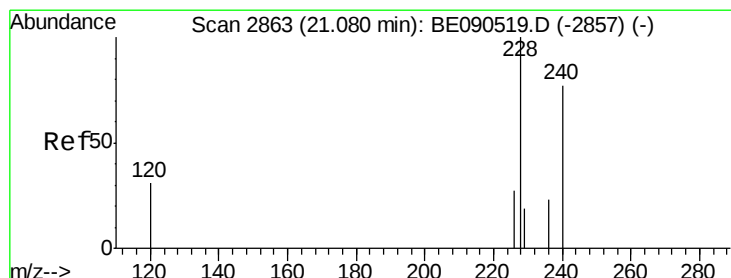
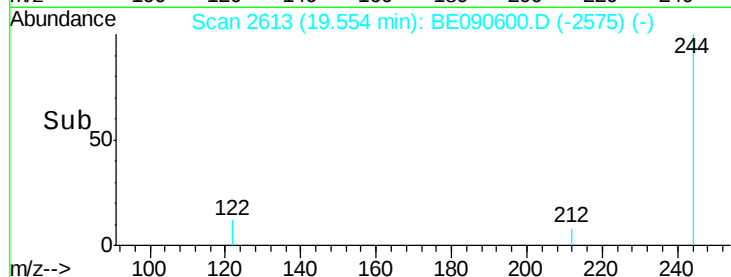
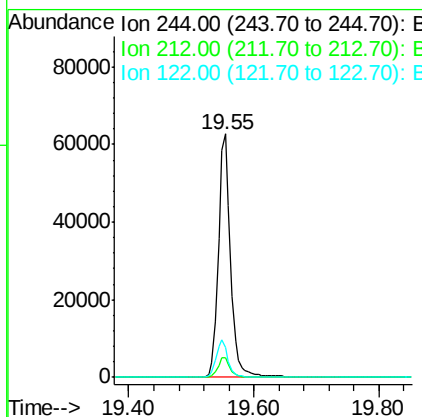
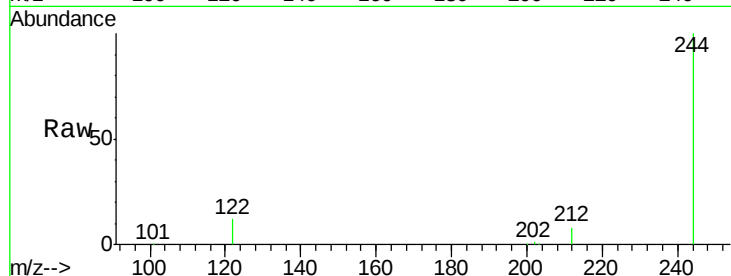




#27  
 Terphenyl-d14  
 Concen: 3.71 ng  
 RT: 19.55 min Scan# 2613  
 Delta R.T. 0.00 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

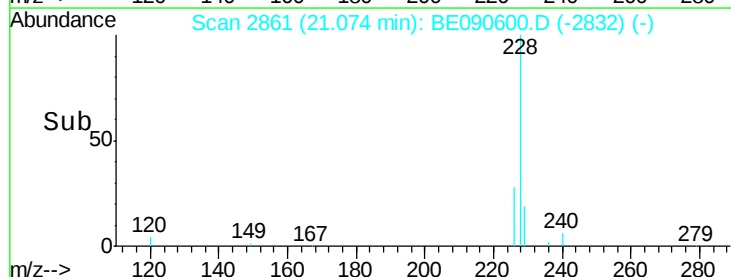
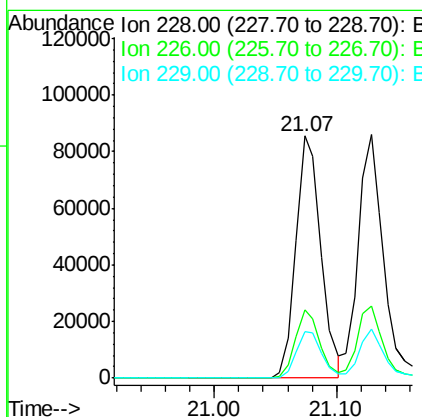
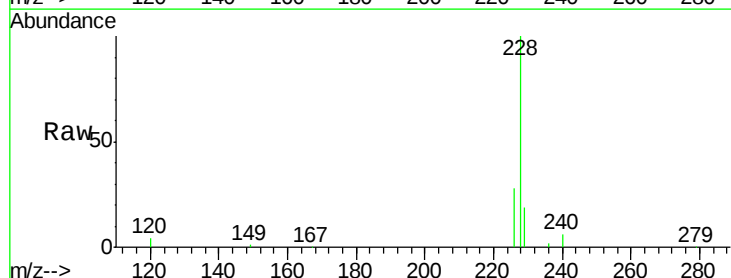
Instrument :  
 BNA\_E  
 ClientSampleId :  
 IDOC-S-03

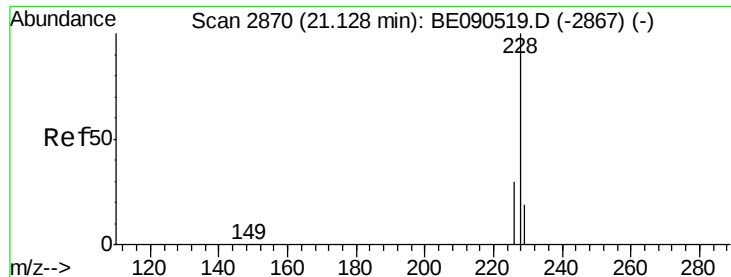
Tgt Ion:244 Resp: 84657  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.6 9.8  
 122 12.4 10.2 15.4



#28  
 Benzo(a)anthracene  
 Concen: 3.67 ng  
 RT: 21.07 min Scan# 2861  
 Delta R.T. -0.01 min  
 Lab File: BE090600.D  
 Acq: 24 Aug 2015 14:33

Tgt Ion:228 Resp: 120718  
 Ion Ratio Lower Upper  
 228 100  
 226 28.0 21.9 32.9  
 229 19.4 15.4 23.0





#29

Chrysene

Concen: 3.77 ng

RT: 21.13 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

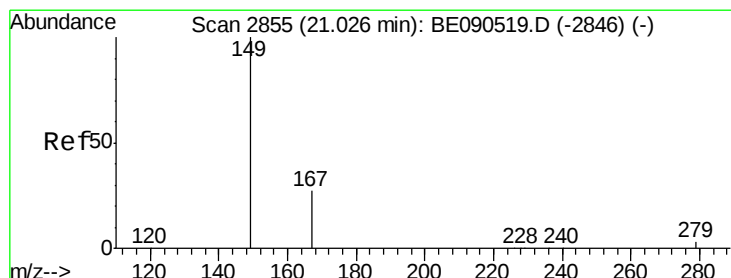
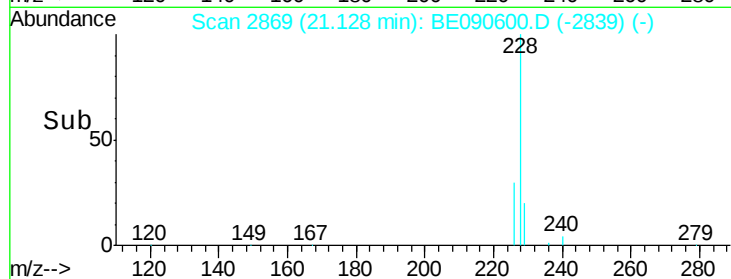
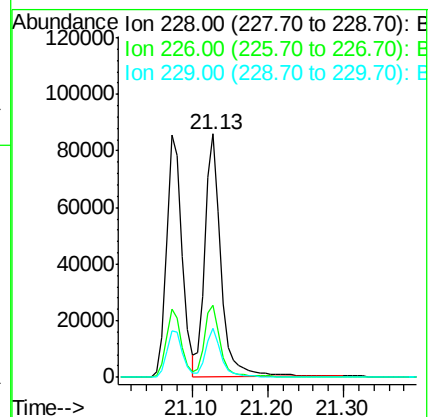
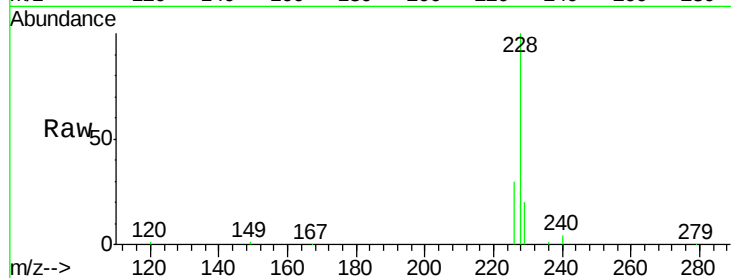
Tgt Ion:228 Resp: 126622

Ion Ratio Lower Upper

228 100

226 29.6 23.1 34.7

229 19.9 15.8 23.8



#30

Bis(2-ethylhexyl)phthalate

Concen: 3.31 ng

RT: 21.02 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

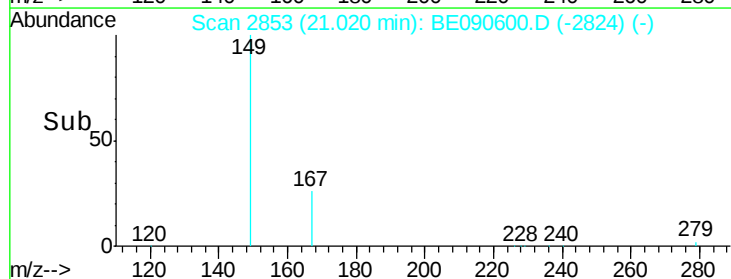
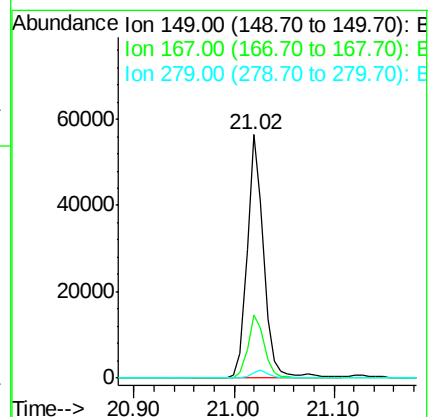
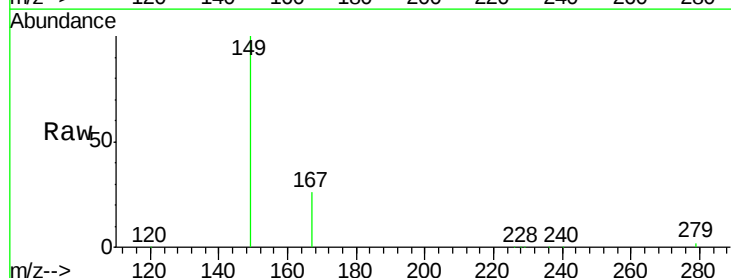
Tgt Ion:149 Resp: 63848

Ion Ratio Lower Upper

149 100

167 25.6 19.8 29.8

279 3.1 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 3.70 ng

RT: 25.78 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

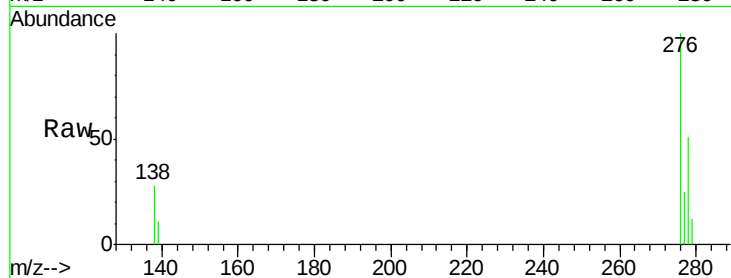
Tgt Ion: 276 Resp: 117039

Ion Ratio Lower Upper

276 100

138 29.1 18.8 28.2#

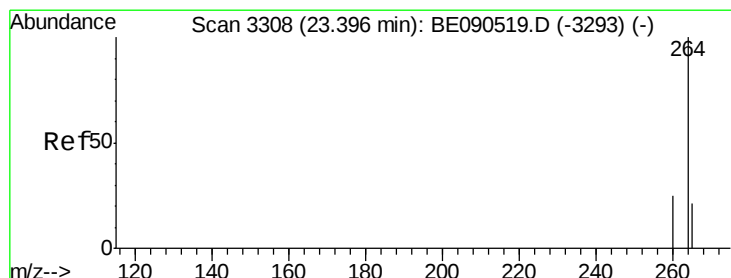
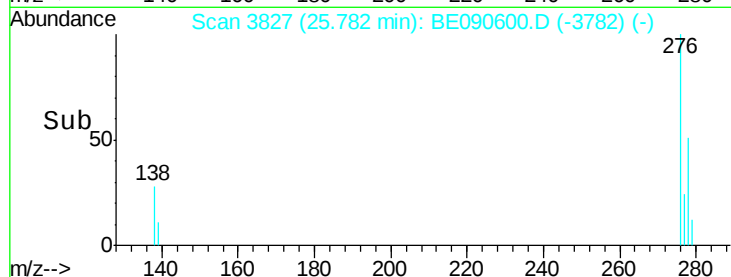
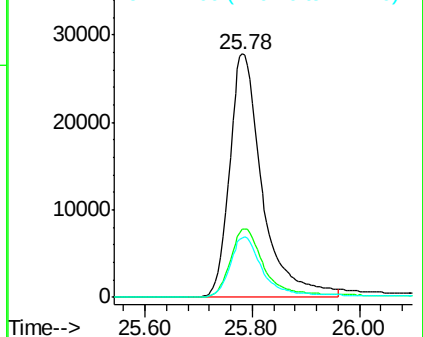
277 24.9 18.2 27.4



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: 23.40 min Scan# 3307

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

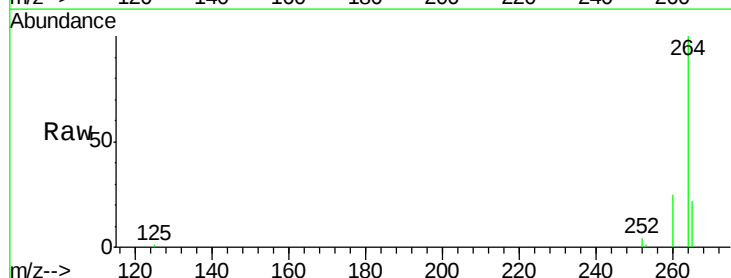
Tgt Ion: 264 Resp: 110188

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

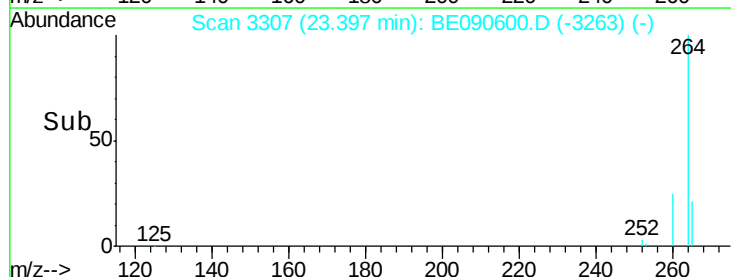
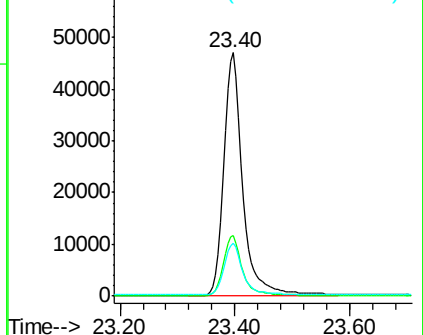
265 21.7 17.2 25.8

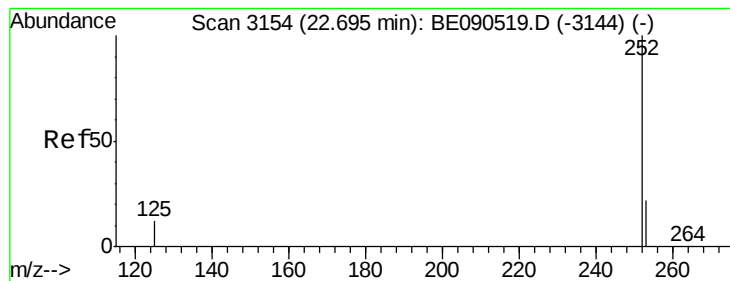


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 3.97 ng

RT: 22.70 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

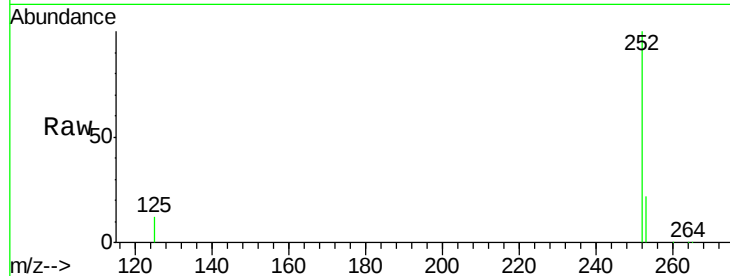
Tgt Ion:252 Resp: 103553

Ion Ratio Lower Upper

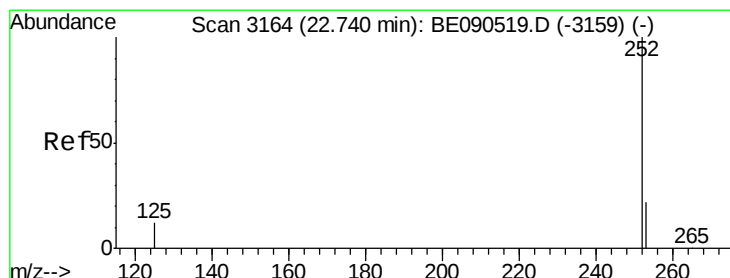
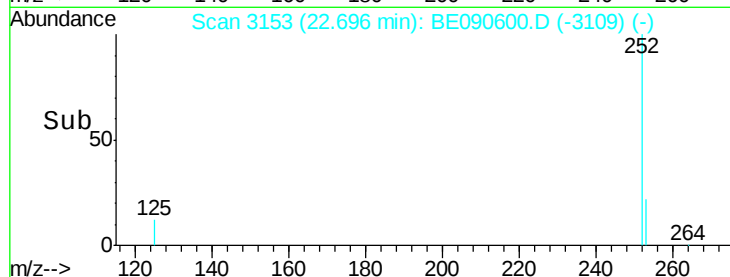
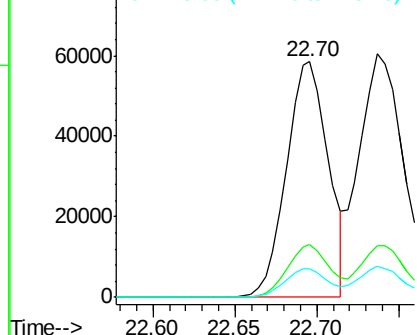
252 100

253 22.3 18.1 27.1

125 12.3 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: 4.27 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

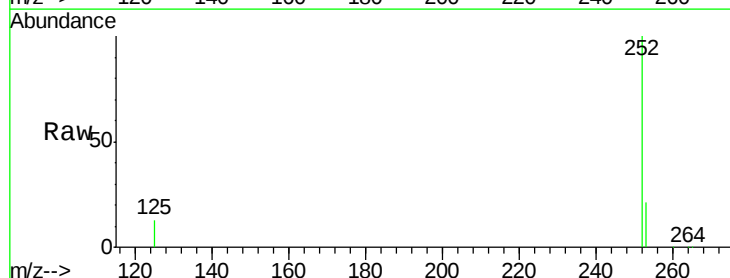
Tgt Ion:252 Resp: 126144

Ion Ratio Lower Upper

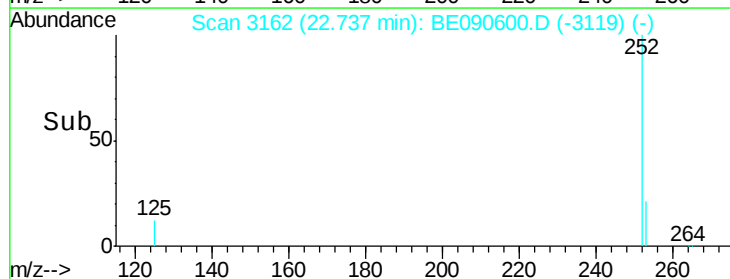
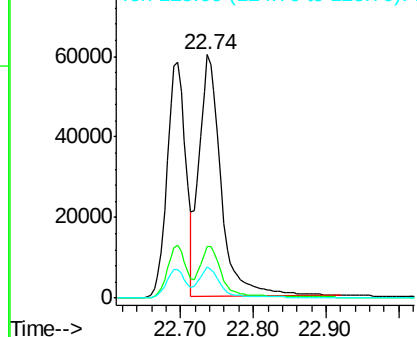
252 100

253 21.4 18.1 27.1

125 12.5 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: 4.39 ng

RT: 23.29 min Scan# 3284

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

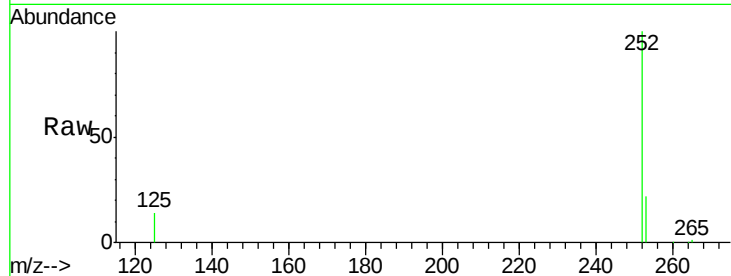
Tgt Ion:252 Resp: 107111

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

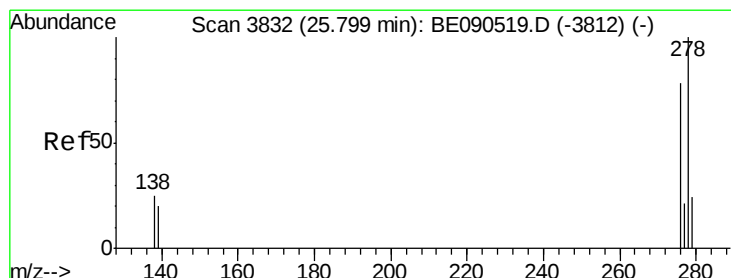
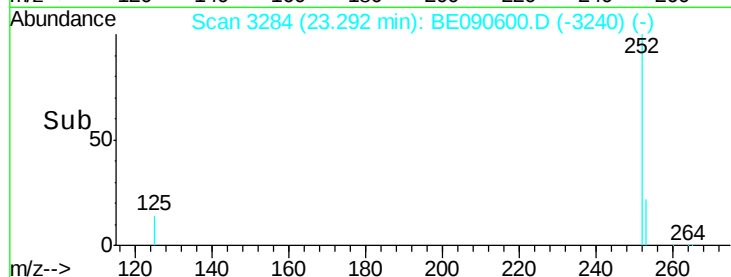
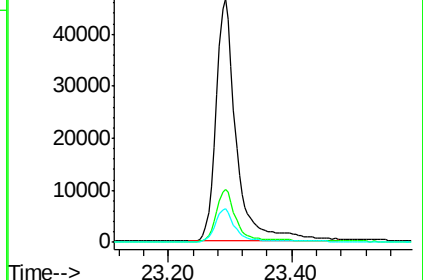
125 13.8 9.8 14.6



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: 3.97 ng

RT: 25.80 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

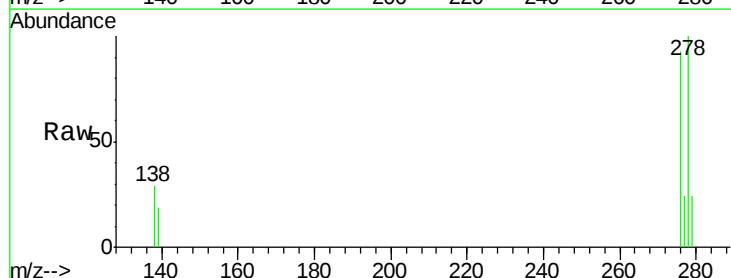
Tgt Ion:278 Resp: 93563

Ion Ratio Lower Upper

278 100

139 19.3 14.2 21.4

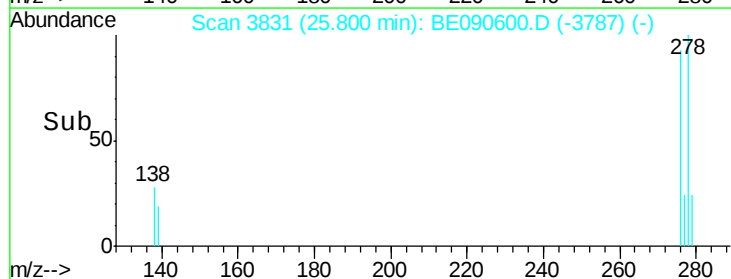
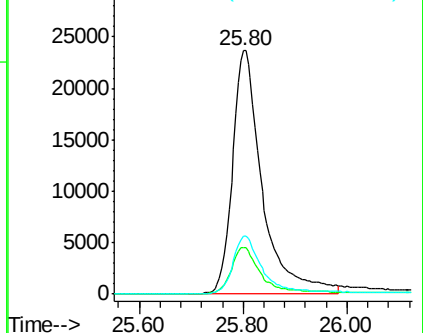
279 23.9 20.1 30.1



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: 4.04 ng

RT: 26.51 min Scan# 3987

Delta R.T. 0.00 min

Lab File: BE090600.D

Acq: 24 Aug 2015 14:33

Instrument :

BNA\_E

ClientSampleId :

IDOC-S-03

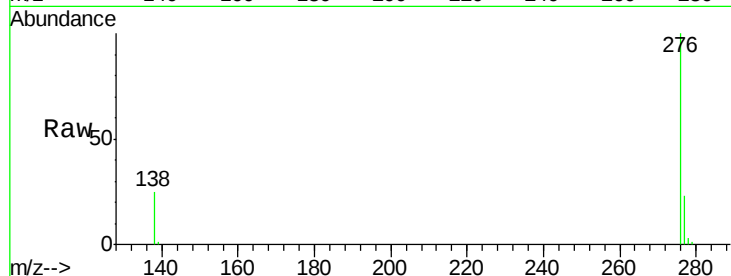
Tgt Ion: 276 Resp: 104069

Ion Ratio Lower Upper

276 100

277 23.5 20.1 30.1

138 25.1 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

