

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081015\  
 Data File : BE090424.D  
 Acq On : 11 Aug 2015 5:13  
 Operator : TP/UM  
 Sample : PB84906BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84906BS

Quant Time: Aug 11 07:24:32 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 06 12:28:08 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 25729    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.34 | 136  | 122103   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.20 | 164  | 71419    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.95 | 188  | 165659   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.09 | 240  | 198977   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.40 | 264  | 181810   | 5.00 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.22  | 112 | 30940  | 8.02 | ng | 0.00  |
| 5) Phenol-d6                | 6.77  | 99  | 49733  | 6.00 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 8.72  | 82  | 29920  | 3.09 | ng | -0.01 |
| 13) 2,4,6-Tribromophenol    | 15.69 | 330 | 15756  | 7.46 | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 12.82 | 172 | 66929  | 3.41 | ng | 0.00  |
| 27) Terphenyl-d14           | 19.55 | 244 | 117667 | 4.01 | ng | 0.00  |

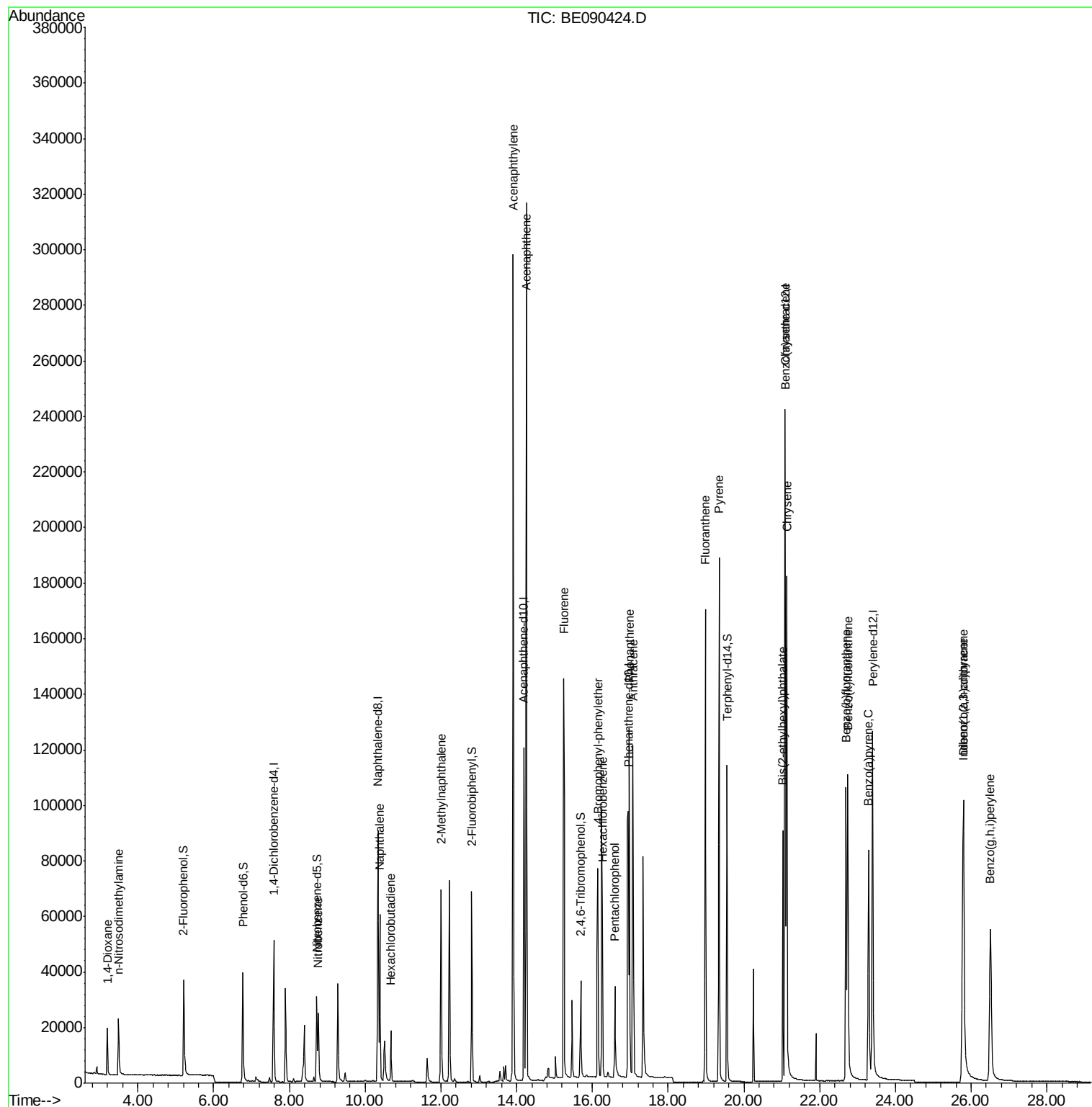
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 9514    | 3.09   | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.49  | 42  | 12604   | 3.17   | ng | # 78 |
| 8) Nitrobenzene                | 8.76  | 77  | 30273   | 2.94   | ng | 96   |
| 9) Naphthalene                 | 10.39 | 128 | 79521   | 2.95   | ng | 98   |
| 10) Hexachlorobutadiene        | 10.68 | 225 | 12998   | 3.16   | ng | 99   |
| 11) 2-Methylnaphthalene        | 12.01 | 142 | 53374   | 3.41   | ng | 99   |
| 15) Acenaphthylene             | 13.91 | 152 | 386755  | 3.34   | ng | 100  |
| 16) Acenaphthene               | 14.26 | 154 | 56030   | 3.12   | ng | 88   |
| 17) Fluorene                   | 15.24 | 166 | 76924   | 3.29   | ng | 97   |
| 19) 4-Bromophenyl-phenylether  | 16.15 | 248 | 22730   | 3.53   | ng | 99   |
| 20) Hexachlorobenzene          | 16.27 | 284 | 96116   | 2.89   | ng | 98   |
| 21) Pentachlorophenol          | 16.60 | 266 | 18071   | 7.27   | ng | 90   |
| 22) Phenanthrene               | 16.98 | 178 | 134971  | 3.26   | ng | 100  |
| 23) Anthracene                 | 17.07 | 178 | 133308  | 3.91   | ng | 100  |
| 24) Fluoranthene               | 18.98 | 202 | 158191  | 3.88   | ng | 99   |
| 26) Pyrene                     | 19.34 | 202 | 170720  | 3.96   | ng | 99   |
| 28) Benzo(a)anthracene         | 21.08 | 228 | 162812  | 3.69   | ng | 99   |
| 29) Chrysene                   | 21.13 | 228 | 175673m | 3.30   | ng |      |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 74530   | 4.76   | ng | 98   |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276 | 150433  | 3.22   | ng | 95   |
| 33) Benzo(b)fluoranthene       | 22.70 | 252 | 139046  | 3.45   | ng | 98   |
| 34) Benzo(k)fluoranthene       | 22.74 | 252 | 165714m | 3.27   | ng |      |
| 35) Benzo(a)pyrene             | 23.29 | 252 | 130481  | 3.43   | ng | 99   |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278 | 120007  | 3.26   | ng | 98   |
| 37) Benzo(g,h,i)perylene       | 26.51 | 276 | 132880  | 3.96   | ng | 98   |

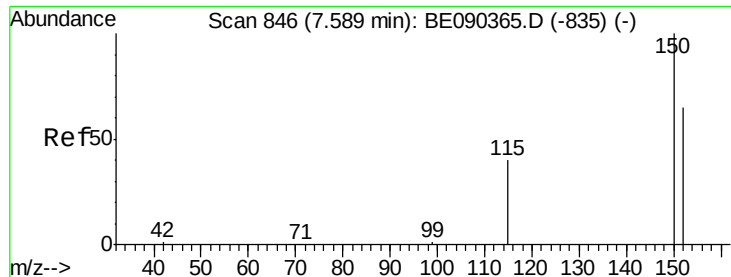
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

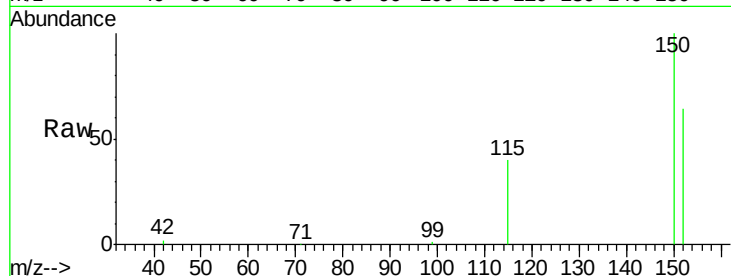
Tot Ion:152 Resp: 25729

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

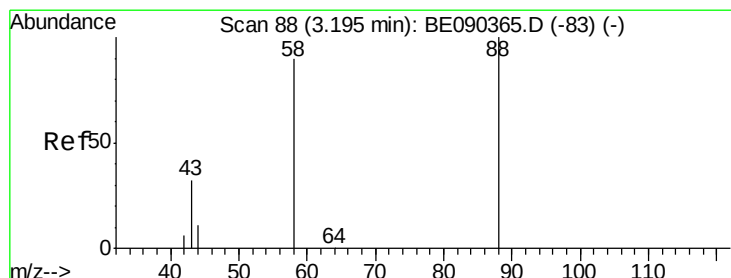
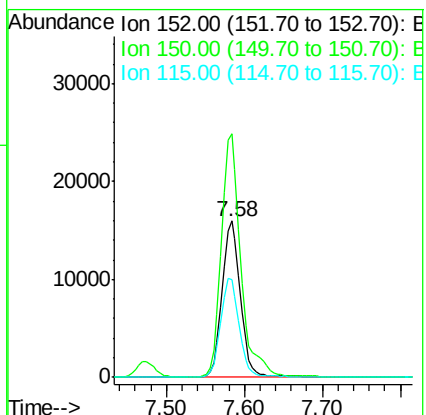
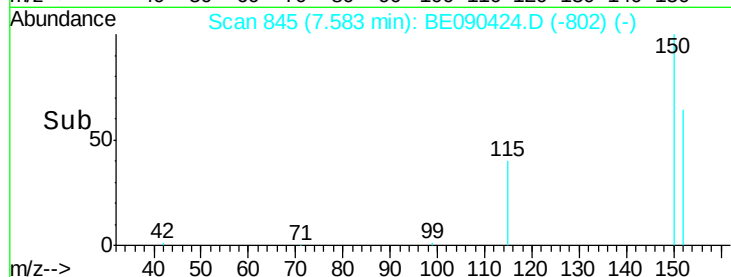
115 62.7 48.9 73.3



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: 3.09 ng

RT: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

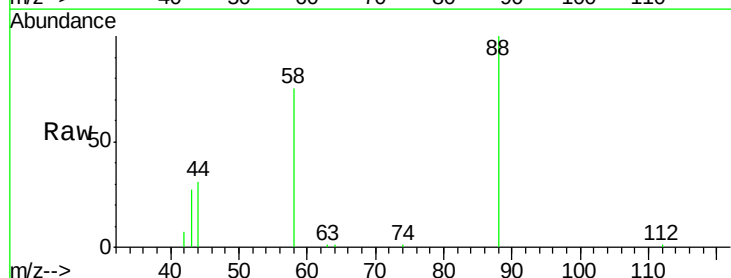
Tgt Ion: 88 Resp: 9514

Ion Ratio Lower Upper

88 100

58 87.3 70.0 105.0

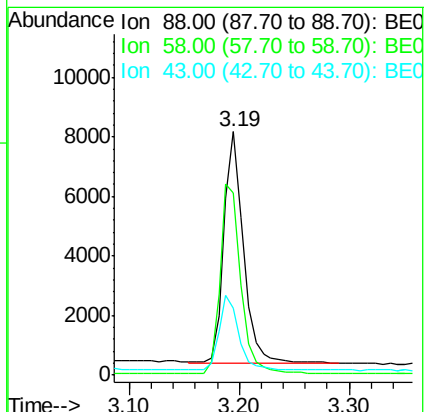
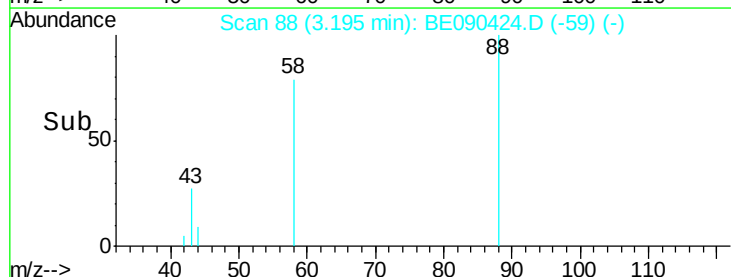
43 32.5 28.4 42.6

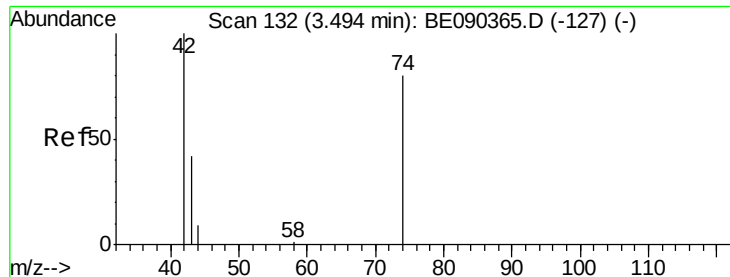


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.17 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

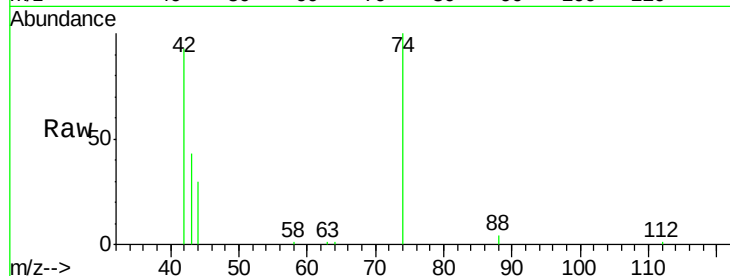
Tot Ion: 42 Resp: 12604

Ion Ratio Lower Upper

42 100

74 117.4 75.2 112.8#

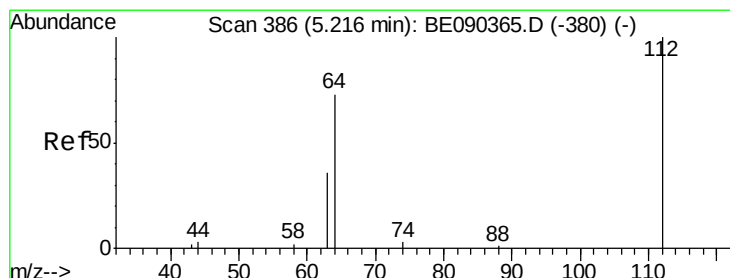
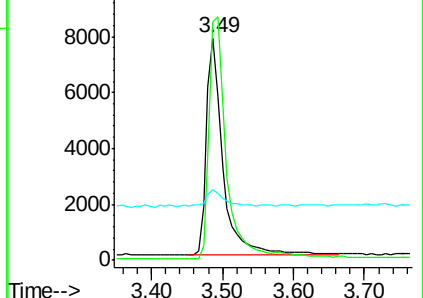
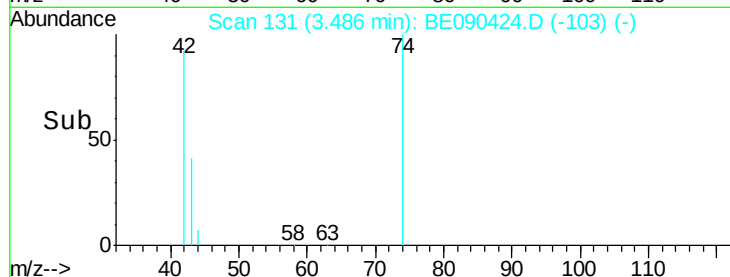
44 8.3 8.7 13.1#



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: 8.02 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

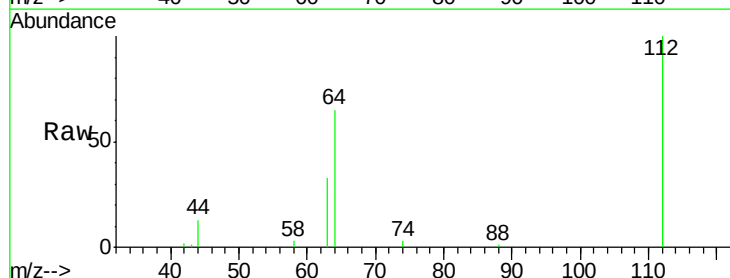
Tgt Ion: 112 Resp: 30940

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

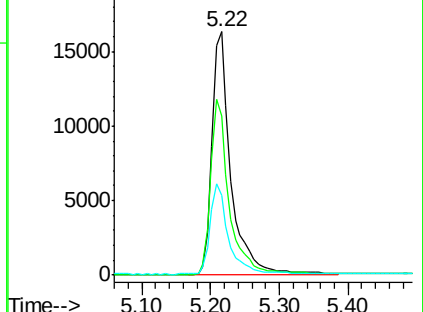
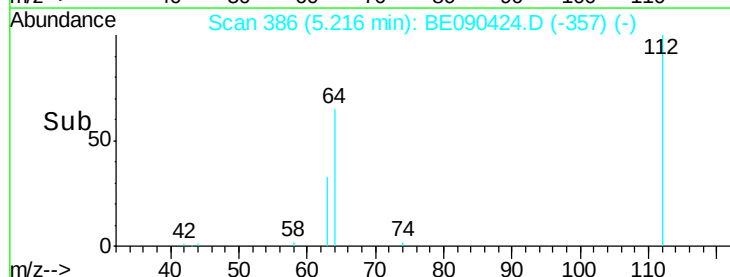
63 36.3 19.5 29.3#

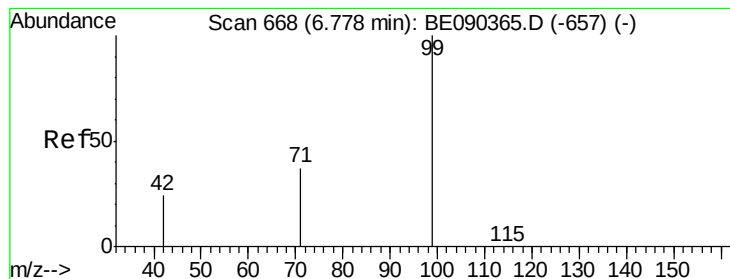


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.00 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

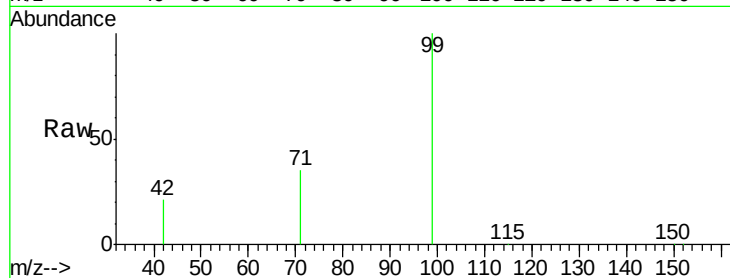
Tot Ion: 99 Resp: 49733

Ion Ratio Lower Upper

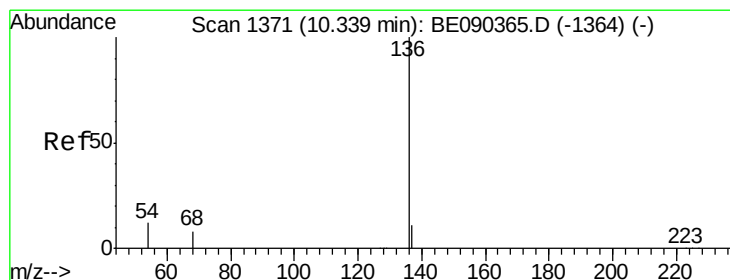
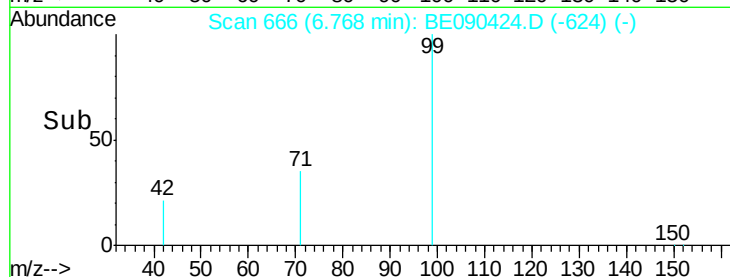
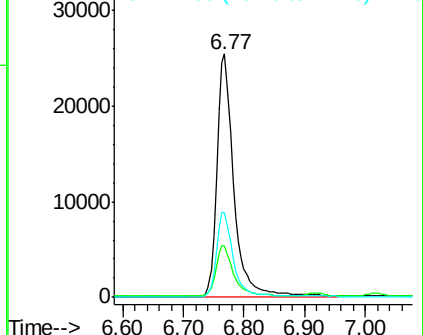
99 100

42 21.6 18.2 27.4

71 35.0 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. 0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Tgt Ion: 136 Resp: 122103

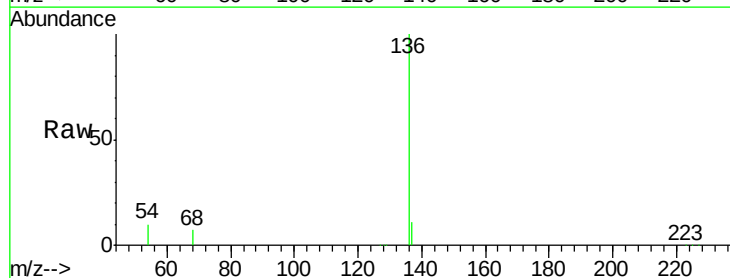
Ion Ratio Lower Upper

136 100

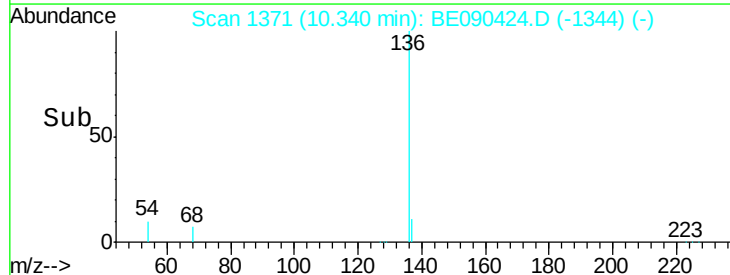
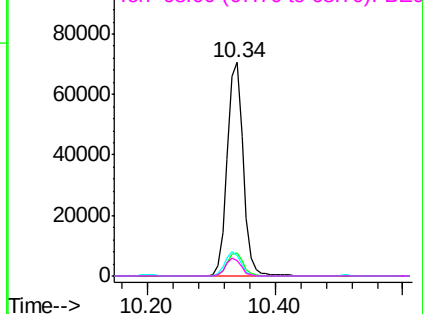
137 10.9 8.7 13.1

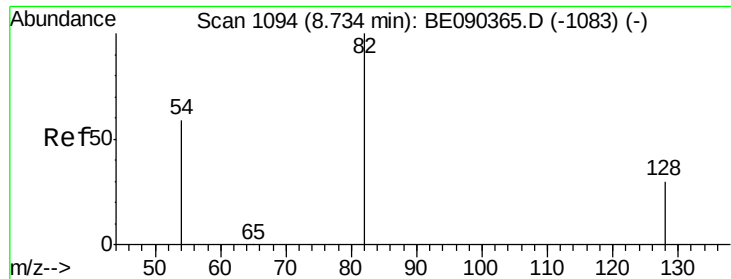
54 9.9 9.4 14.0

68 7.3 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: 3.09 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

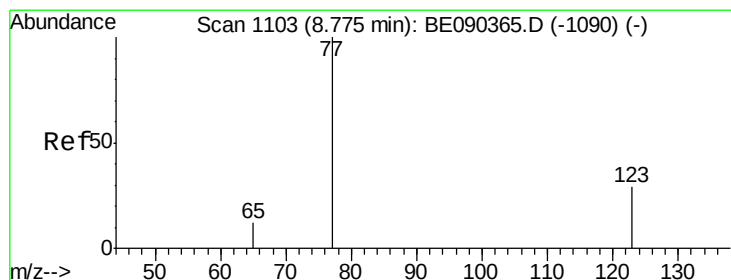
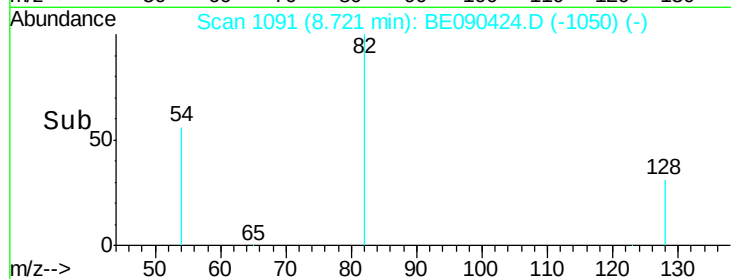
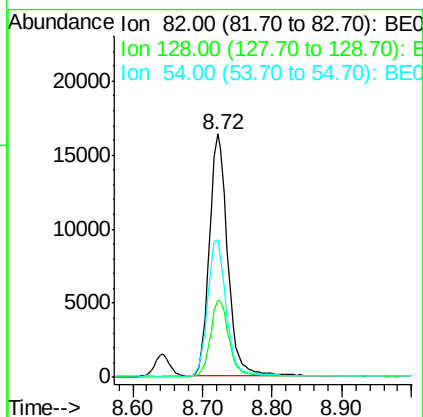
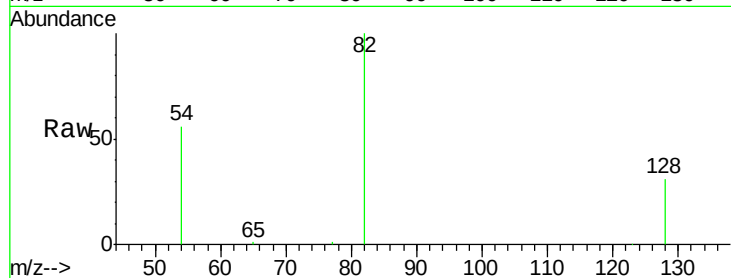
Tot Ion: 82 Resp: 29920

Ion Ratio Lower Upper

82 100

128 31.5 25.0 37.6

54 56.3 48.8 73.2



#8

Nitrobenzene

Concen: 2.94 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

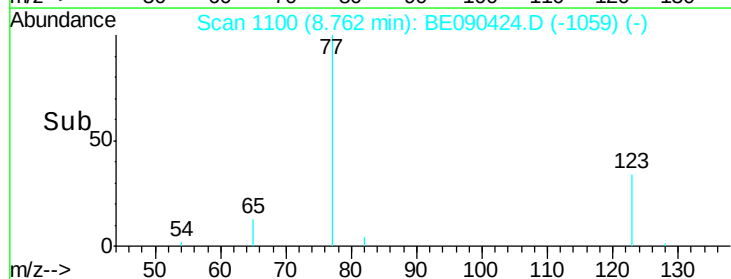
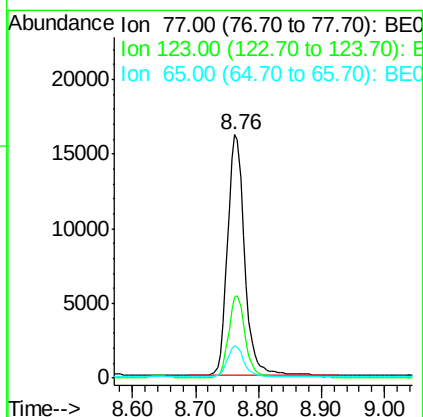
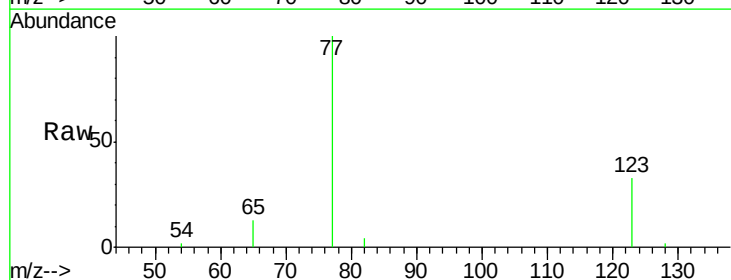
Tgt Ion: 77 Resp: 30273

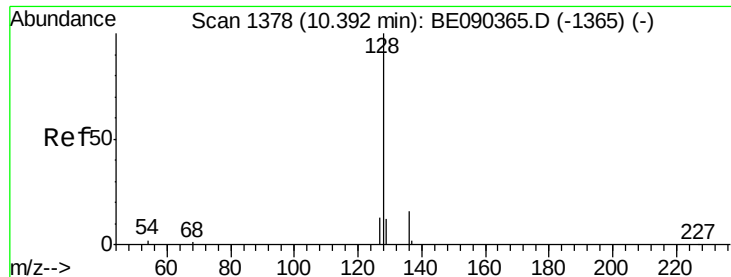
Ion Ratio Lower Upper

77 100

123 33.6 25.1 37.7

65 12.7 9.3 13.9





#9

Naphthalene

Concen: 2.95 ng

RT: 10.39 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

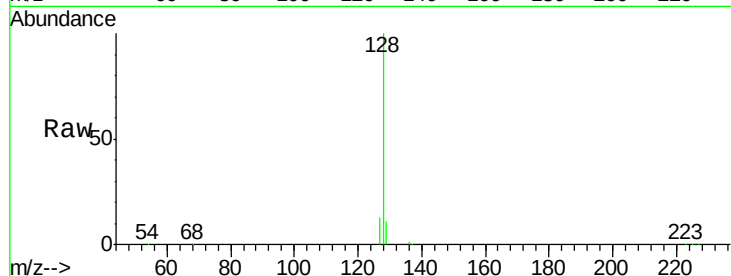
Tot Ion:128 Resp: 79521

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.9  | 9.8   | 14.6  |
| 127 | 12.9  | 10.6  | 16.0  |

128 100

129 10.9 9.8 14.6

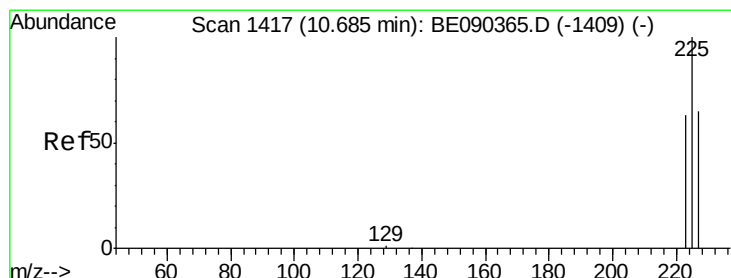
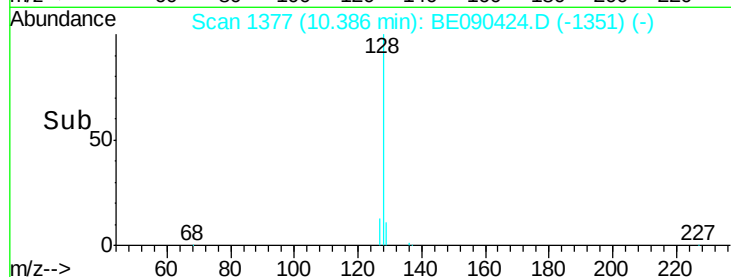
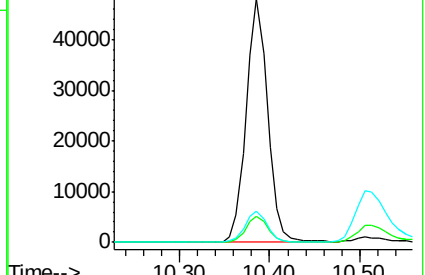
127 12.9 10.6 16.0



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: 3.16 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

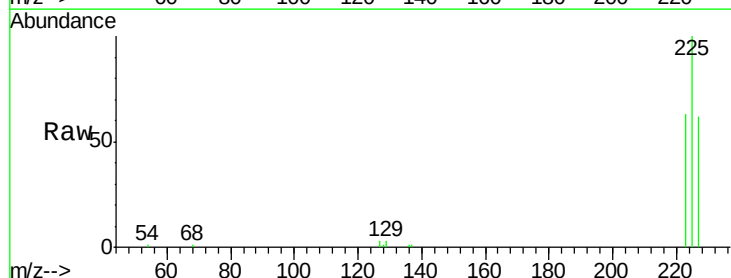
Tgt Ion:225 Resp: 12998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 62.4  | 50.6  | 75.8  |
| 227 | 63.7  | 50.7  | 76.1  |

225 100

223 62.4 50.6 75.8

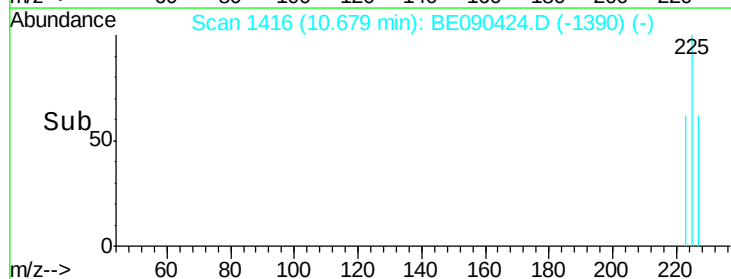
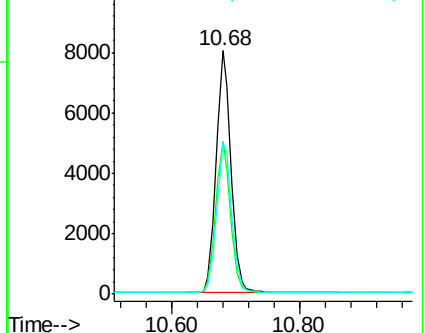
227 63.7 50.7 76.1

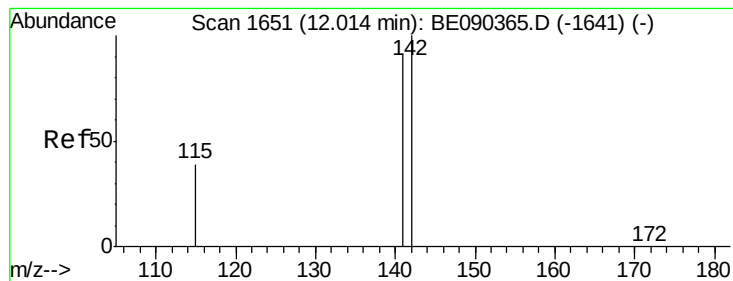


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.41 ng

RT: 12.01 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

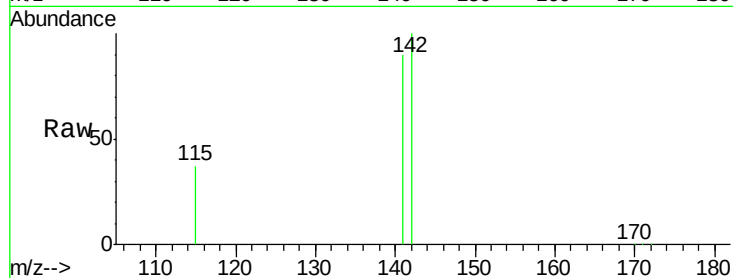
Tot Ion:142 Resp: 53374

Ion Ratio Lower Upper

142 100

141 90.5 72.6 109.0

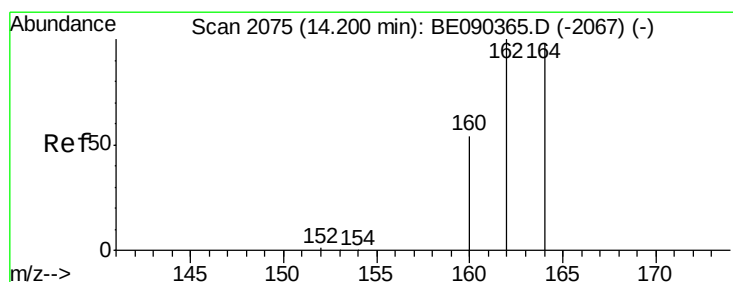
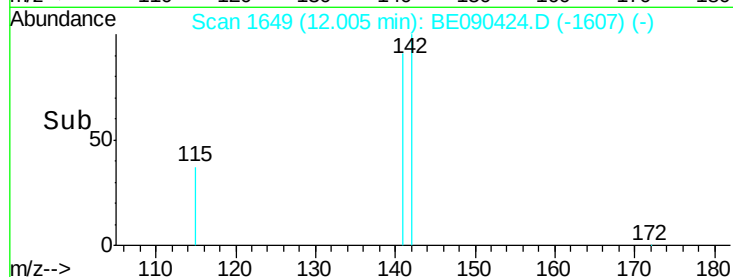
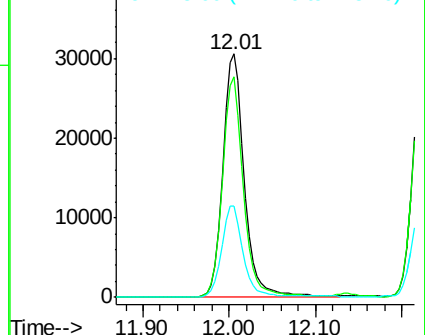
115 37.3 31.6 47.4



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: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

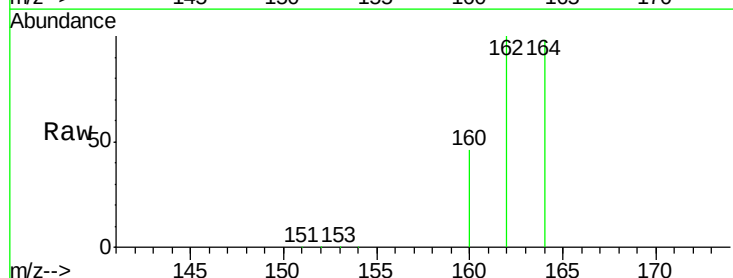
Tgt Ion:164 Resp: 71419

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

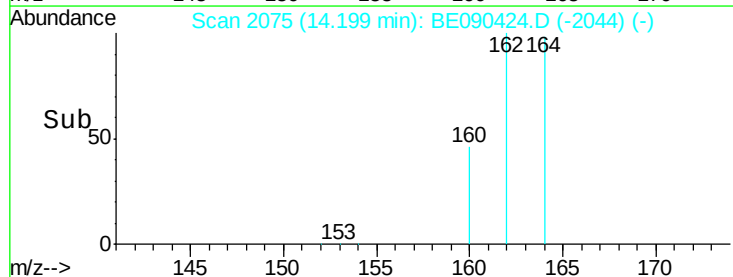
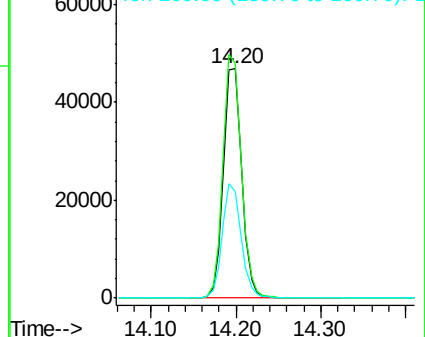
160 46.8 44.2 66.4



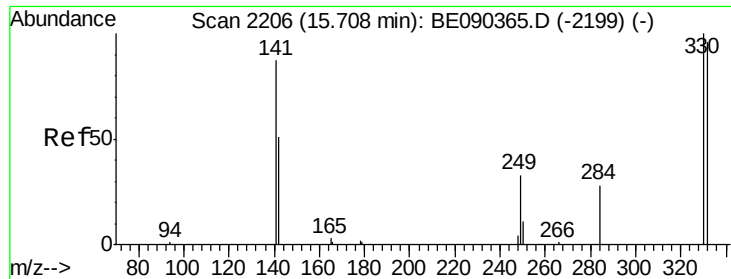
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



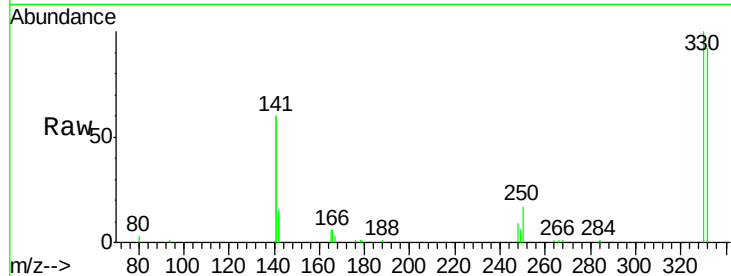




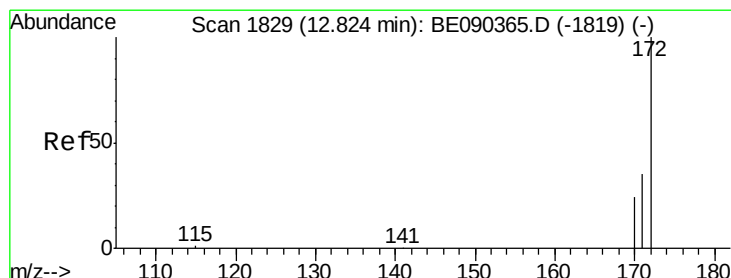
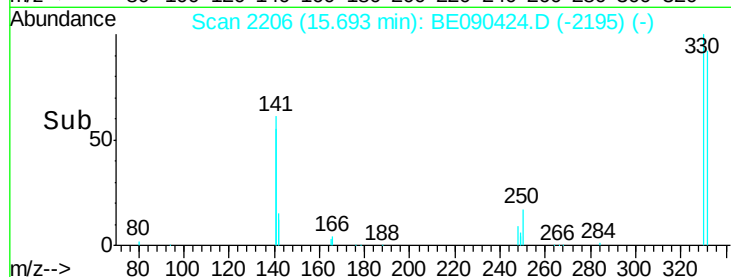
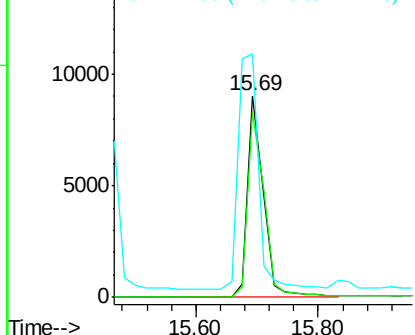
#13  
 2,4,6-Tribromophenol  
 Concen: 7.46 ng  
 RT: 15.69 min Scan# 2206  
 Delta R.T. -0.02 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84906BS

Tot Ion:330 Resp: 15756  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 75.8 113.6  
 141 153.9 114.4 171.6

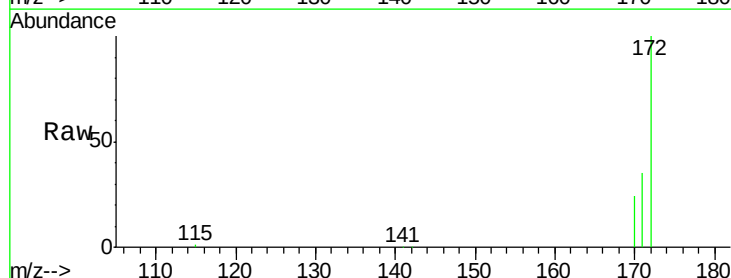


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

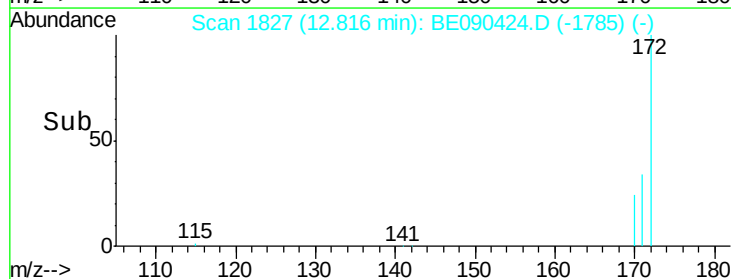
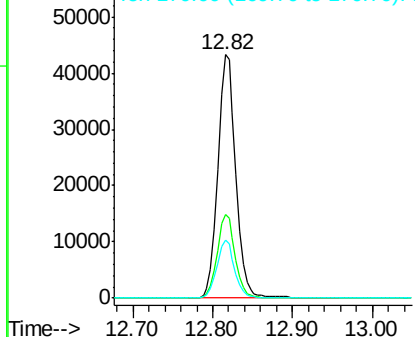


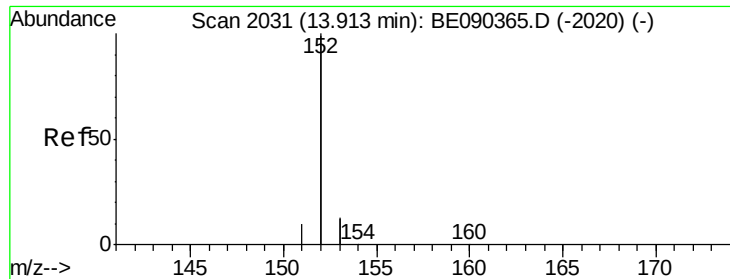
#14  
 2-Fluorobiphenyl  
 Concen: 3.41 ng  
 RT: 12.82 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Tgt Ion:172 Resp: 66929  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 28.5 42.7  
 170 24.0 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

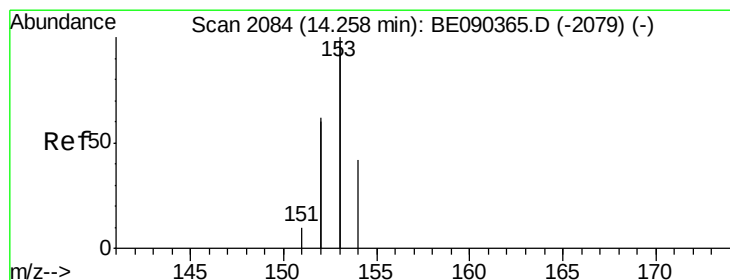
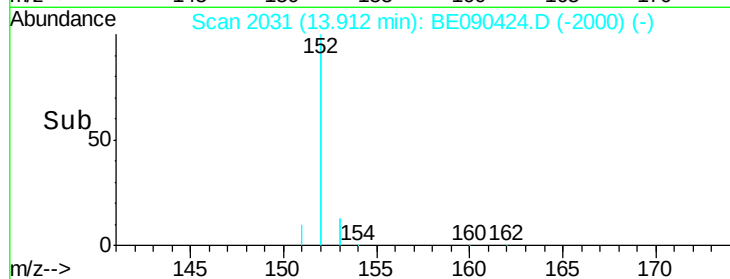
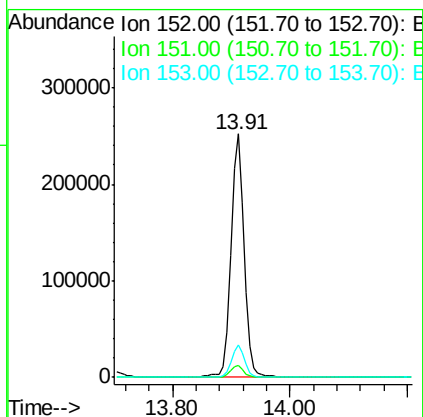
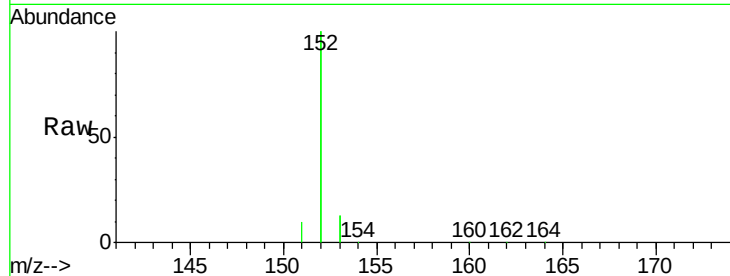




#15  
Acenaphthylene  
Concen: 3.34 ng  
RT: 13.91 min Scan# 2031  
Delta R.T. -0.00 min  
Lab File: BE090424.D  
Acq: 11 Aug 2015 5:13

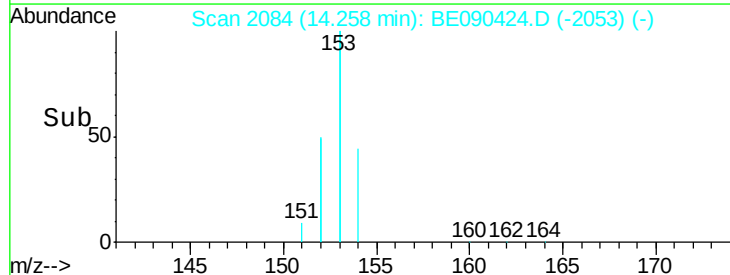
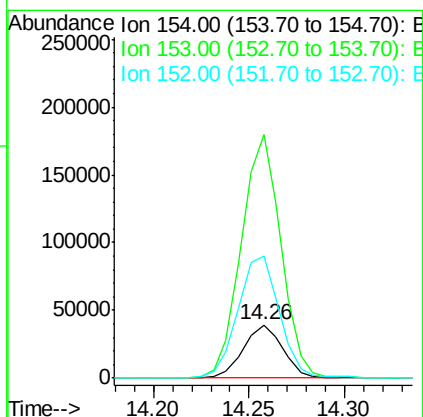
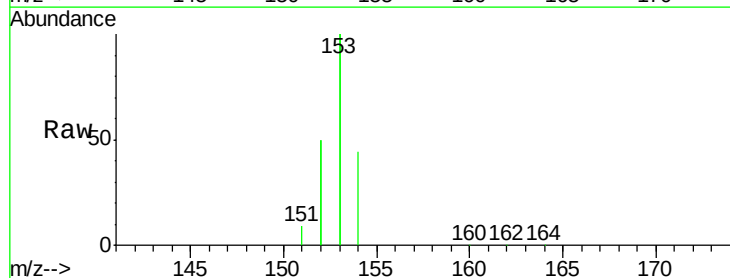
Instrument :  
BNA\_E  
ClientSampleId :  
PB84906BS

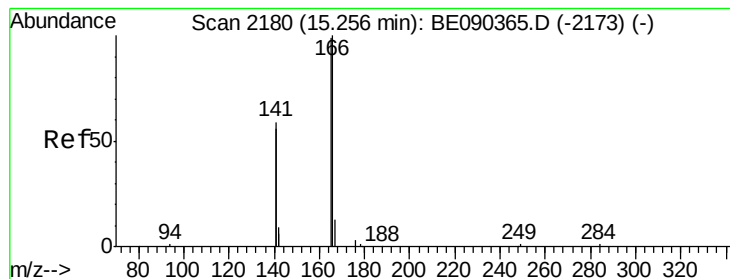
Tot Ion:152 Resp: 386755  
Ion Ratio Lower Upper  
152 100  
151 4.8 3.8 5.8  
153 13.0 10.3 15.5



#16  
Acenaphthene  
Concen: 3.12 ng  
RT: 14.26 min Scan# 2084  
Delta R.T. -0.00 min  
Lab File: BE090424.D  
Acq: 11 Aug 2015 5:13

Tgt Ion:154 Resp: 56030  
Ion Ratio Lower Upper  
154 100  
153 462.4 376.2 564.2  
152 242.1 235.0 352.4





#17

Fluorene

Concen: 3.29 ng

RT: 15.24 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

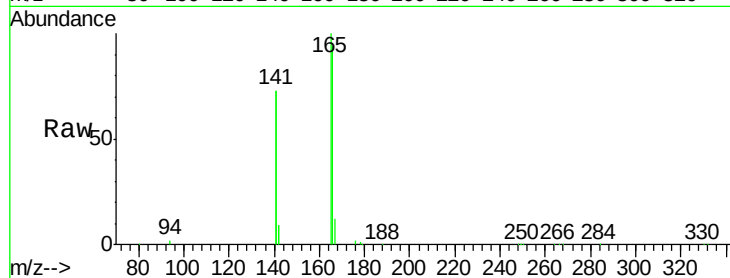
Tot Ion:166 Resp: 76924

Ion Ratio Lower Upper

166 100

165 98.9 81.5 122.3

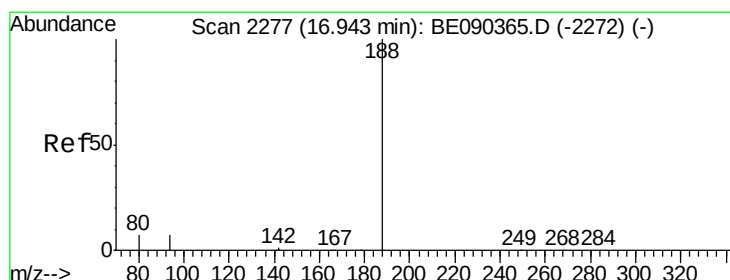
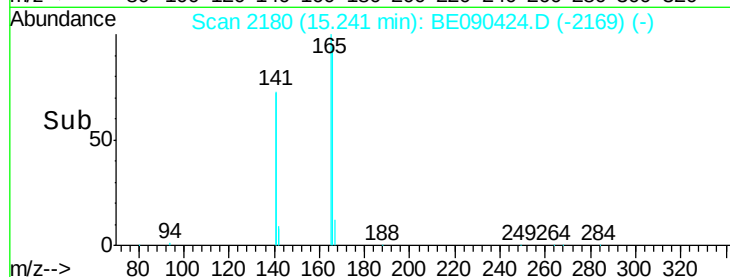
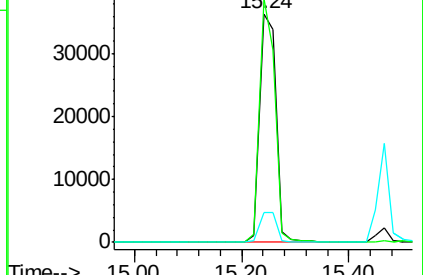
167 13.5 11.4 17.0



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: 16.95 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

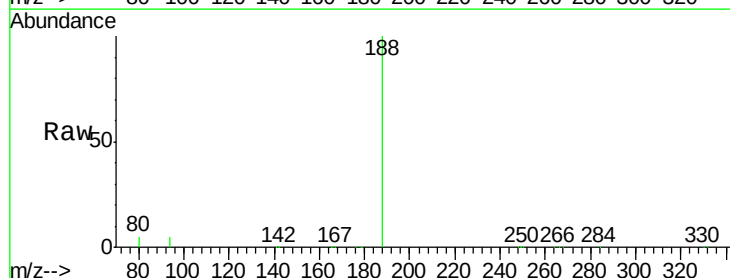
Tgt Ion:188 Resp: 165659

Ion Ratio Lower Upper

188 100

94 4.5 5.7 8.5#

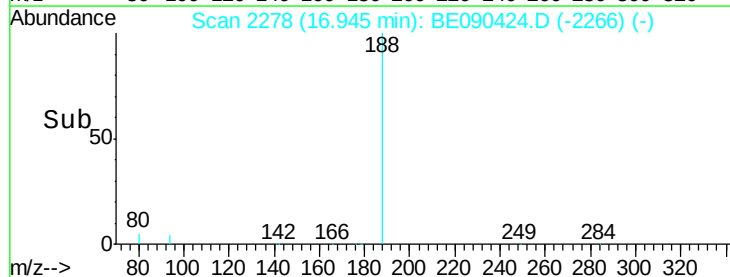
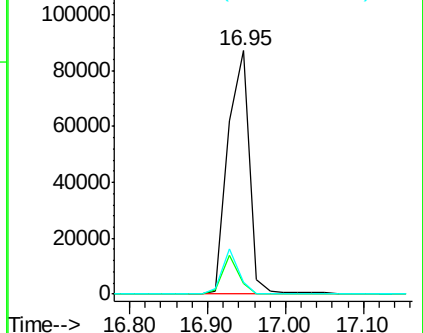
80 4.6 5.8 8.8#

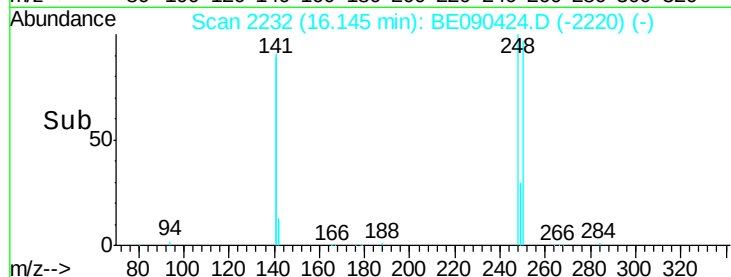
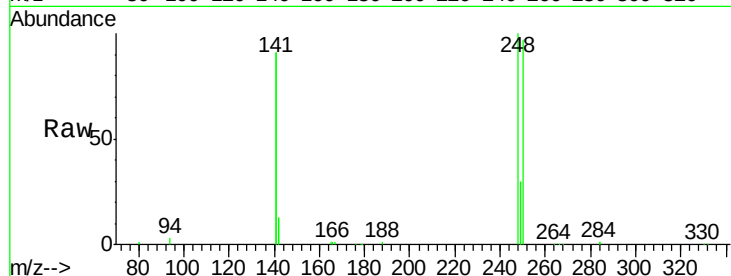
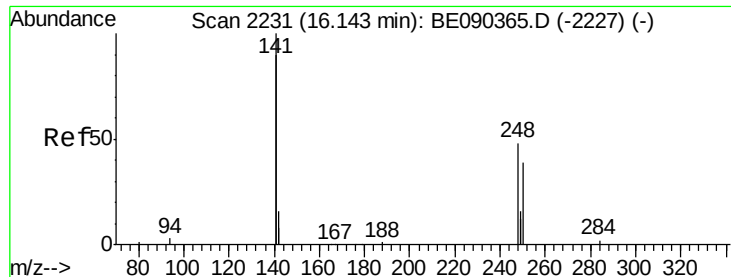


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

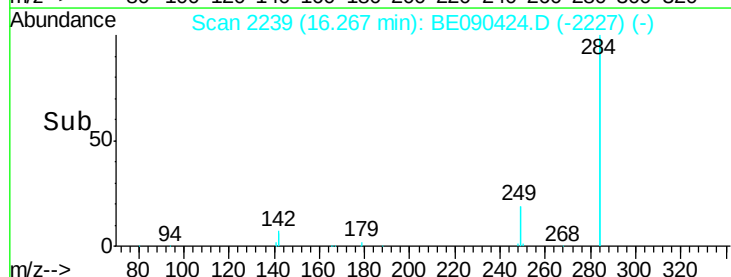
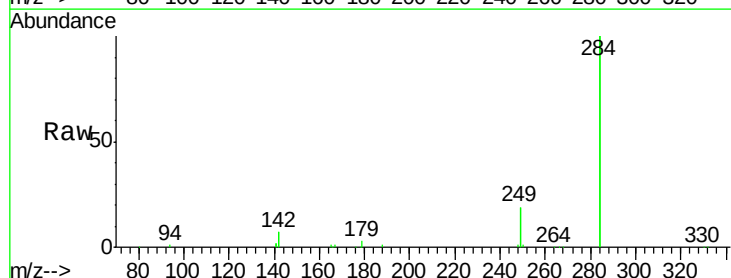
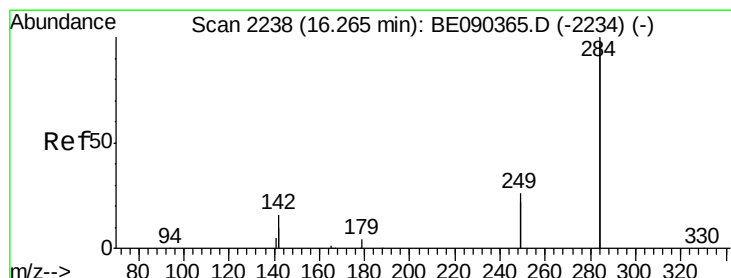
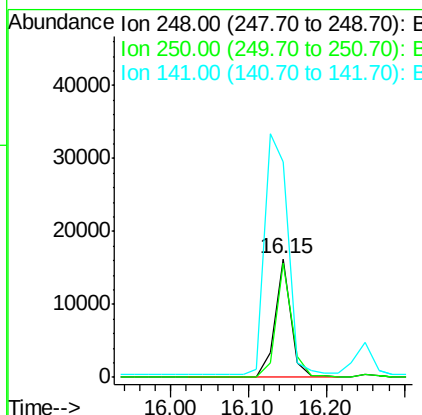




#19  
4-Bromophenyl-phenylether  
Concen: 3.53 ng  
RT: 16.15 min Scan# 2232  
Delta R.T. 0.00 min  
Lab File: BE090424.D  
Acq: 11 Aug 2015 5:13

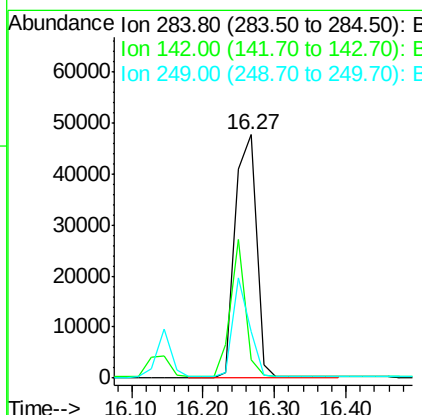
Instrument :  
BNA\_E  
ClientSampleId :  
PB84906BS

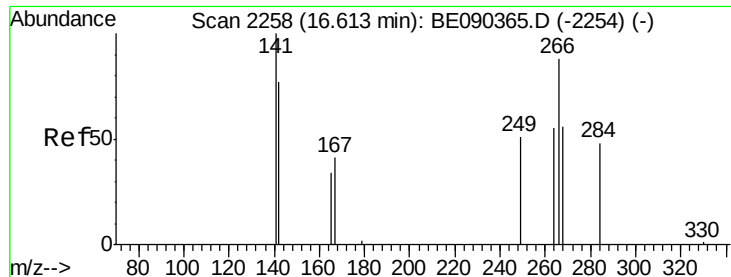
Tot Ion:248 Resp: 22730  
Ion Ratio Lower Upper  
248 100  
250 95.8 79.0 118.6  
141 300.7 239.5 359.3



#20  
Hexachlorobenzene  
Concen: 2.89 ng  
RT: 16.27 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: BE090424.D  
Acq: 11 Aug 2015 5:13

Tgt Ion:284 Resp: 96116  
Ion Ratio Lower Upper  
284 100  
142 40.0 30.1 45.1  
249 32.3 25.7 38.5

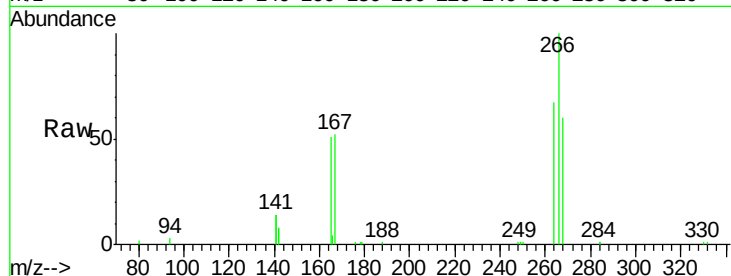




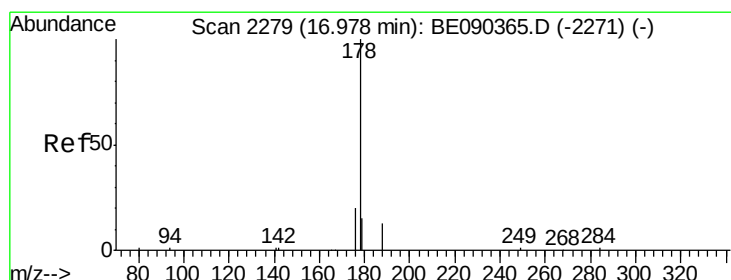
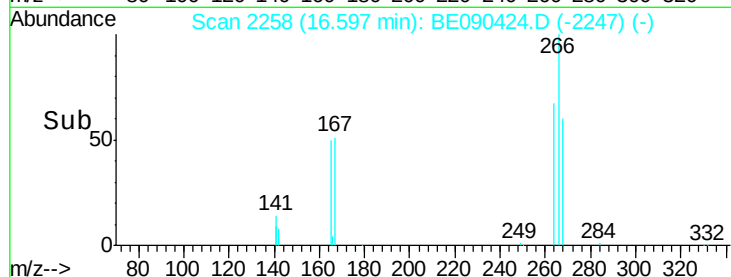
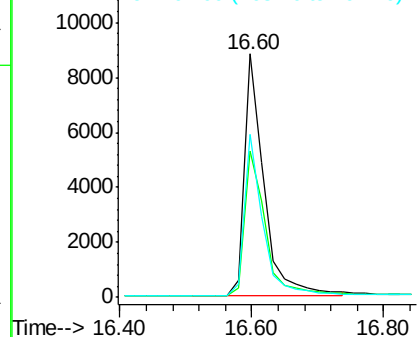
#21  
 Pentachlorophenol  
 Concen: 7.27 ng  
 RT: 16.60 min Scan# 2258  
 Delta R.T. -0.01 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84906BS

Tot Ion:266 Resp: 18071  
 Ion Ratio Lower Upper  
 266 100  
 268 60.2 58.5 87.7  
 264 67.2 56.0 84.0

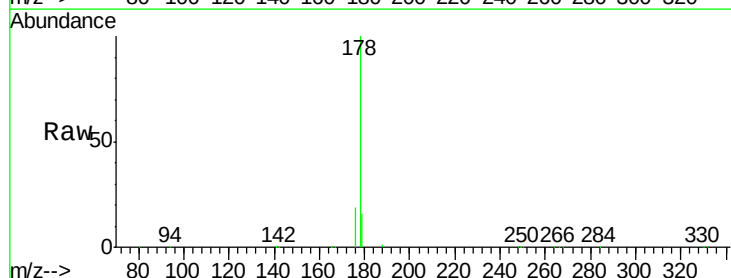


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

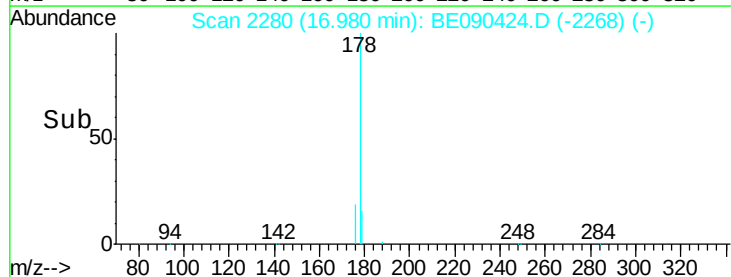
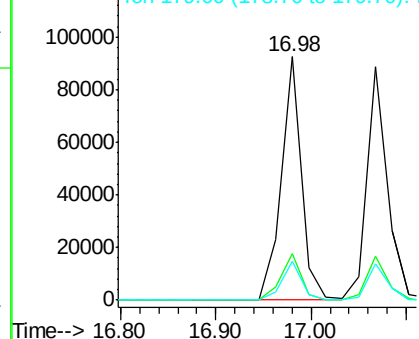


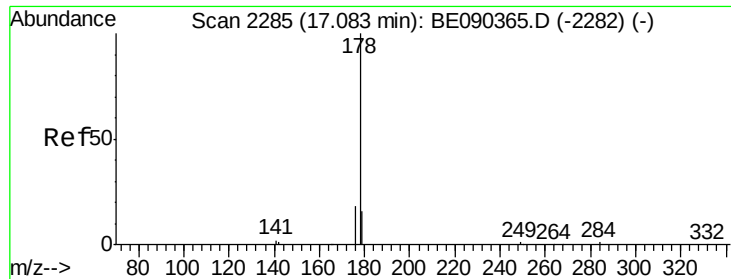
#22  
 Phenanthrene  
 Concen: 3.26 ng  
 RT: 16.98 min Scan# 2280  
 Delta R.T. 0.00 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Tgt Ion:178 Resp: 134971  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.4 23.2  
 179 15.6 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: 3.91 ng

RT: 17.07 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

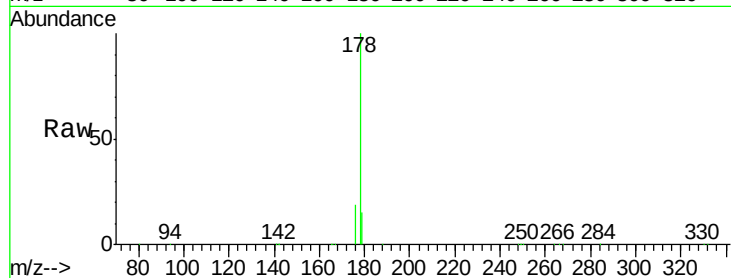
Tot Ion:178 Resp: 133308

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

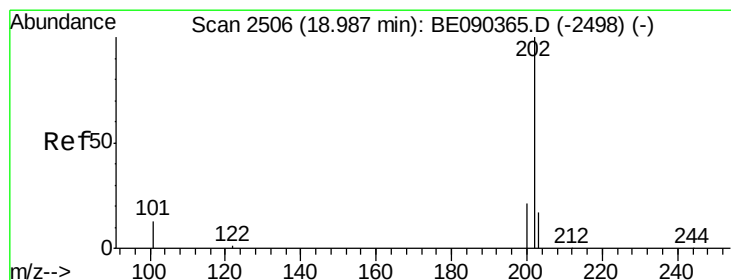
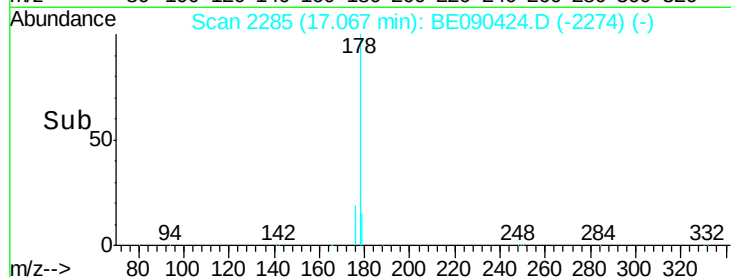
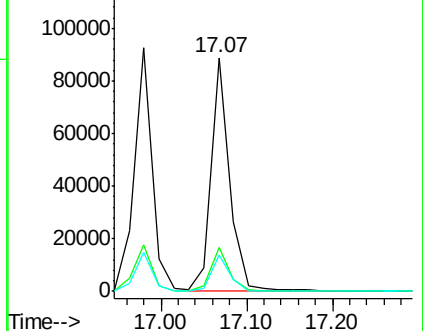
179 15.6 12.2 18.4



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: 3.88 ng

RT: 18.98 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

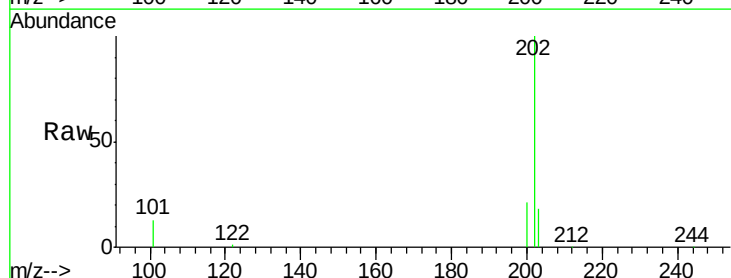
Tgt Ion:202 Resp: 158191

Ion Ratio Lower Upper

202 100

101 13.5 10.3 15.5

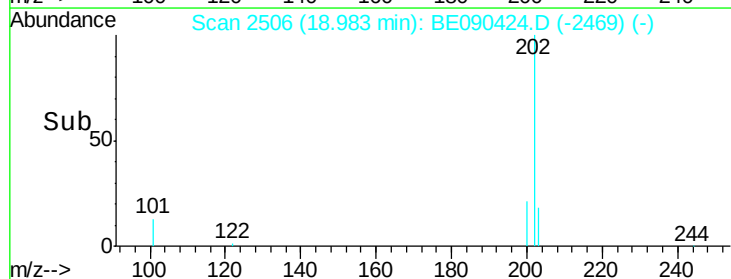
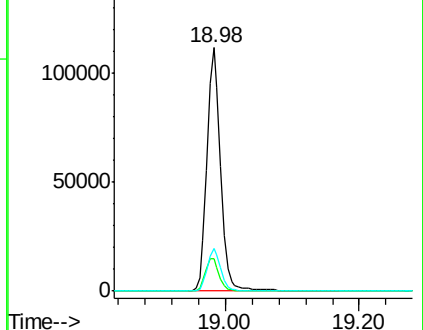
203 17.3 13.7 20.5

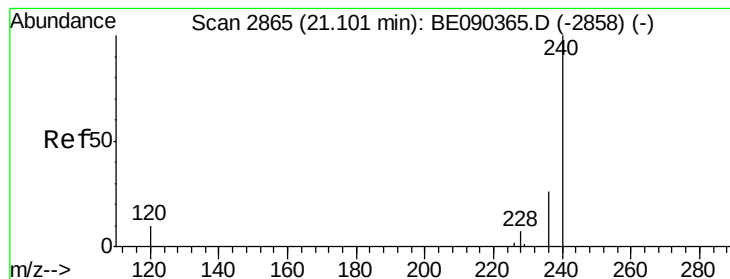


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

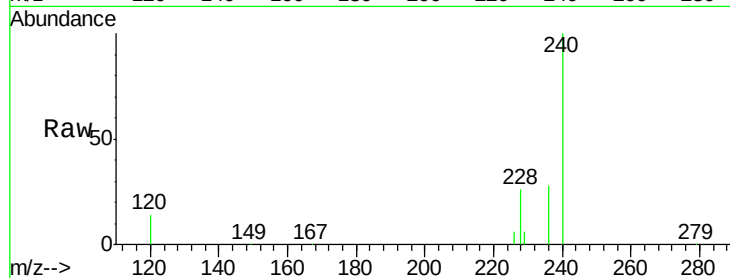
Tot Ion:240 Resp: 198977

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

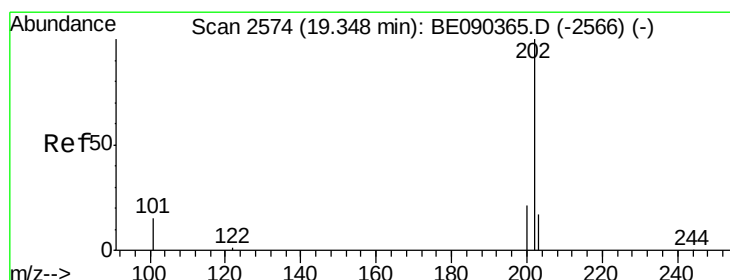
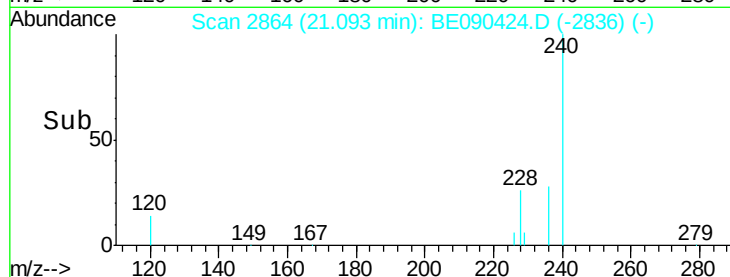
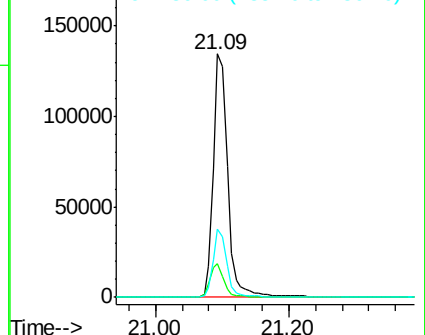
236 27.9 21.0 31.4



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: 3.96 ng

RT: 19.34 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

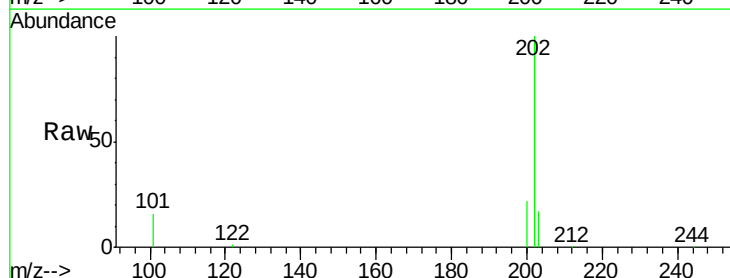
Tgt Ion:202 Resp: 170720

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

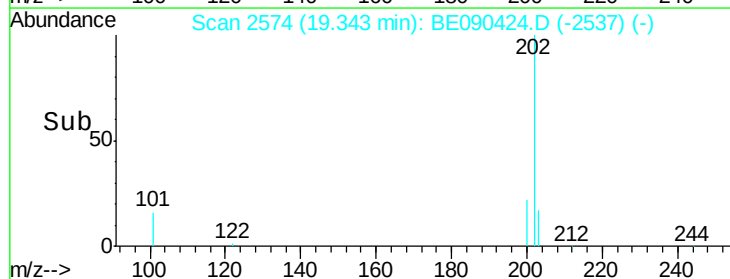
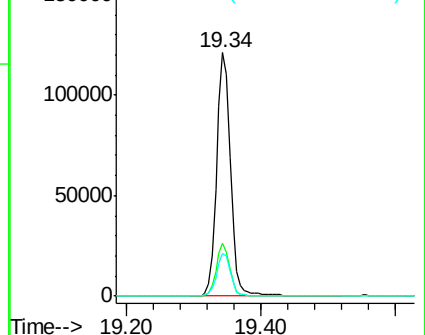
203 18.0 13.8 20.8

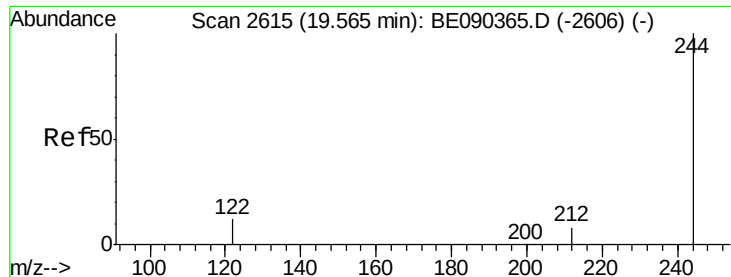


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

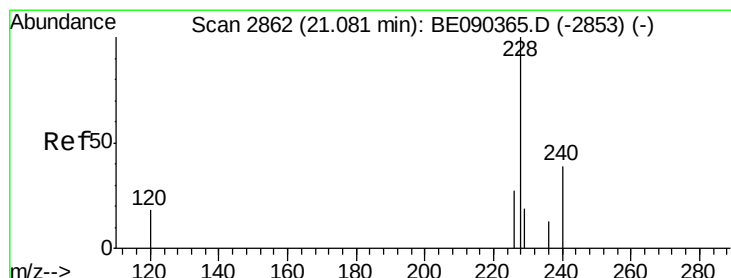
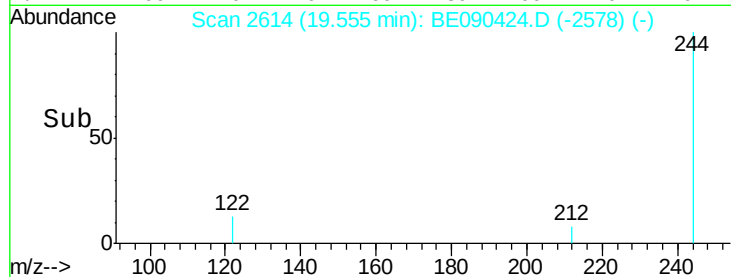
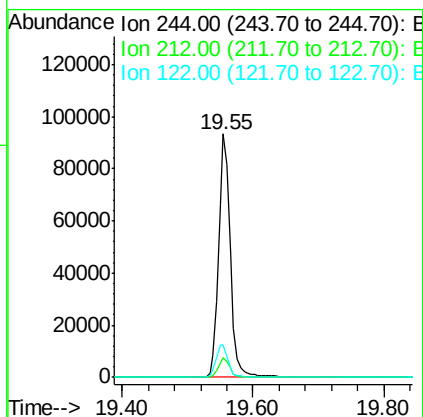
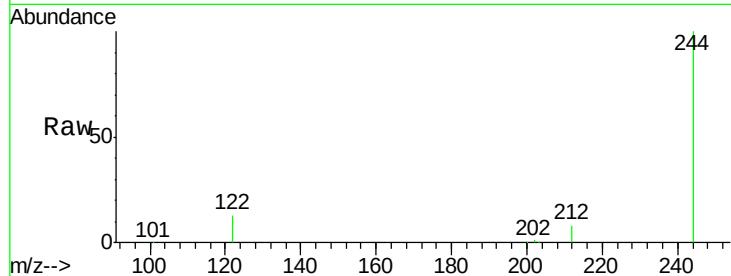




#27  
 Terphenyl-d14  
 Concen: 4.01 ng  
 RT: 19.55 min Scan# 2614  
 Delta R.T. -0.01 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

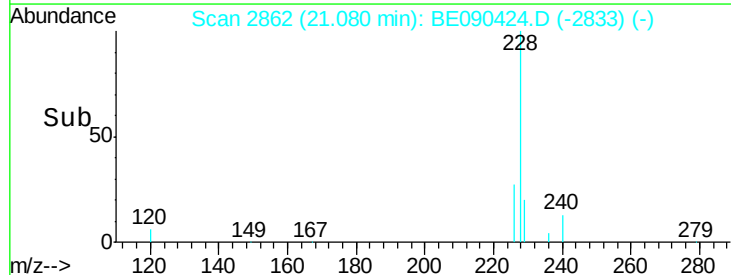
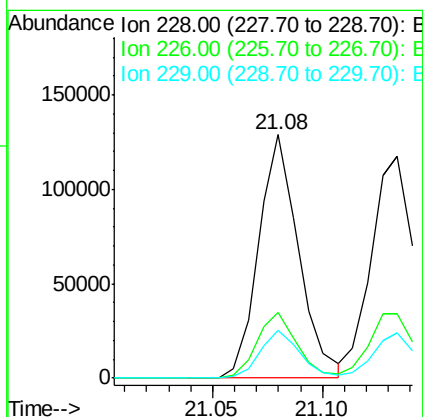
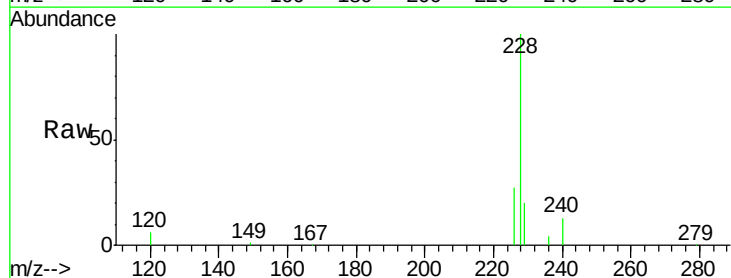
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84906BS

Tot Ion:244 Resp: 117667  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.6 9.8  
 122 13.2 10.2 15.4

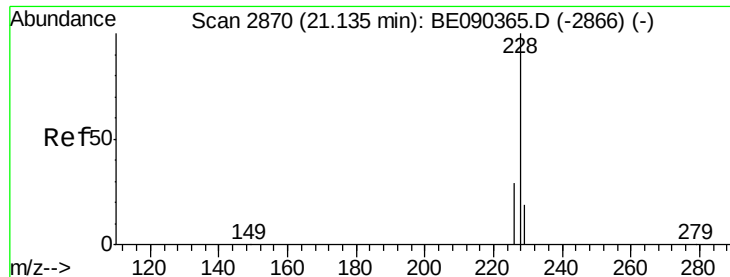


#28  
 Benzo(a)anthracene  
 Concen: 3.69 ng  
 RT: 21.08 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Tgt Ion:228 Resp: 162812  
 Ion Ratio Lower Upper  
 228 100  
 226 27.1 21.9 32.9  
 229 19.6 15.4 23.0







#29

Chrysene

Concen: 3.30 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

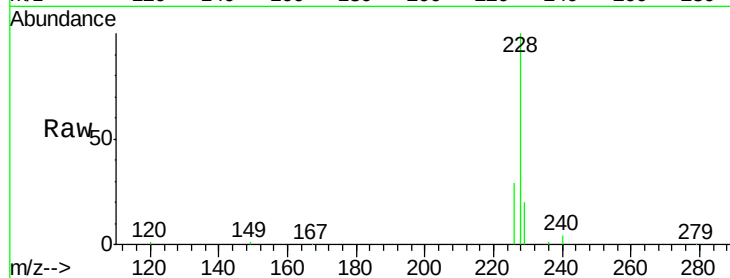
Tot Ion:228 Resp: 175673

Ion Ratio Lower Upper

228 100

226 29.3 23.1 34.7

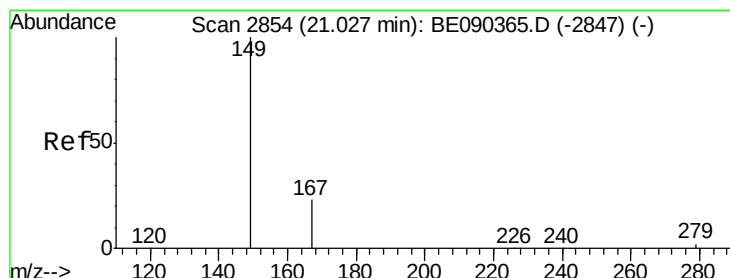
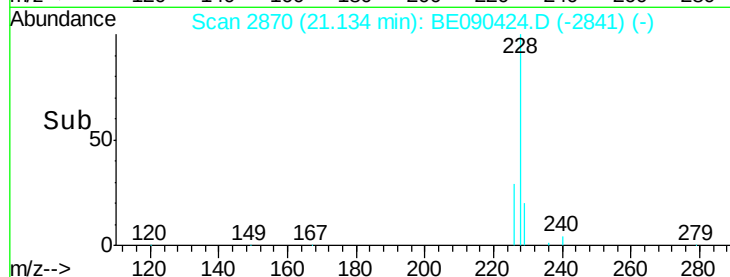
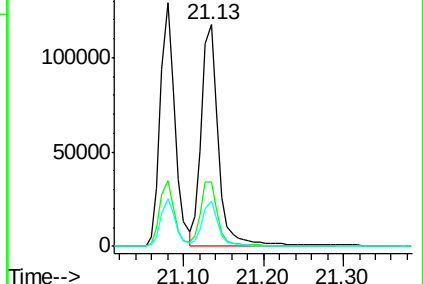
229 20.4 15.8 23.8



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: 4.76 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

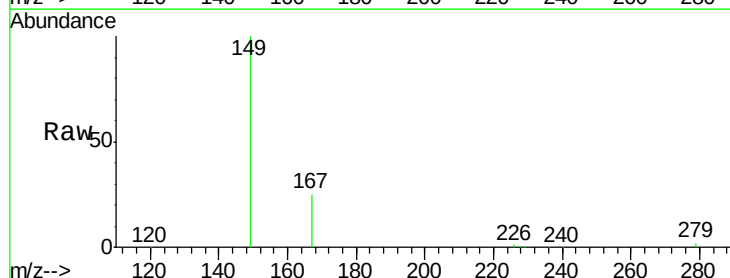
Tgt Ion:149 Resp: 74530

Ion Ratio Lower Upper

149 100

167 25.7 19.8 29.8

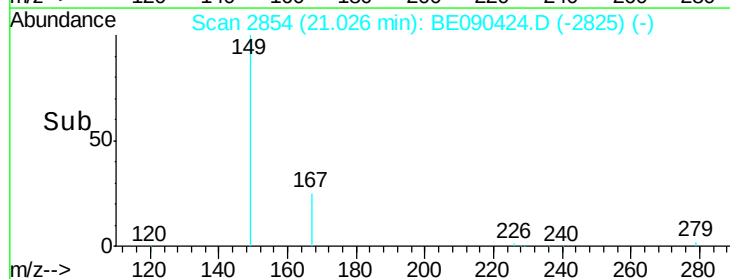
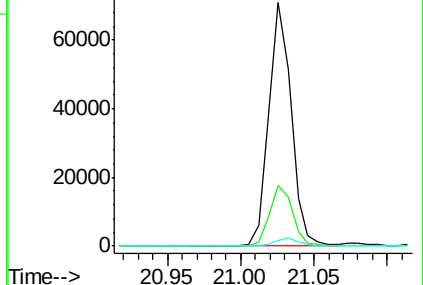
279 3.1 2.4 3.6

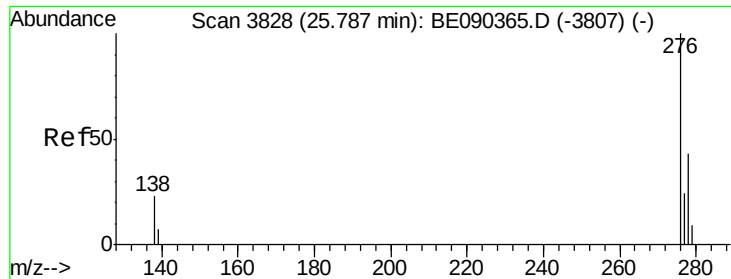


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

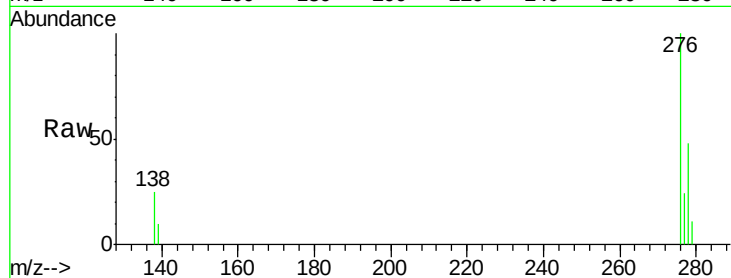




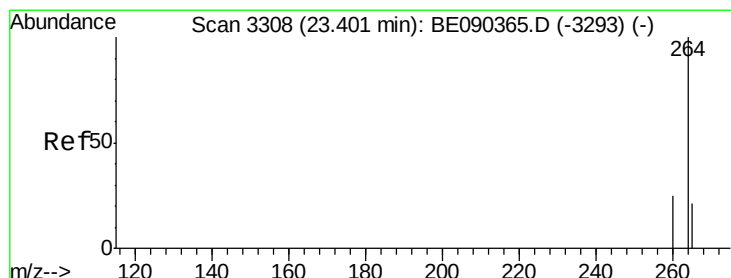
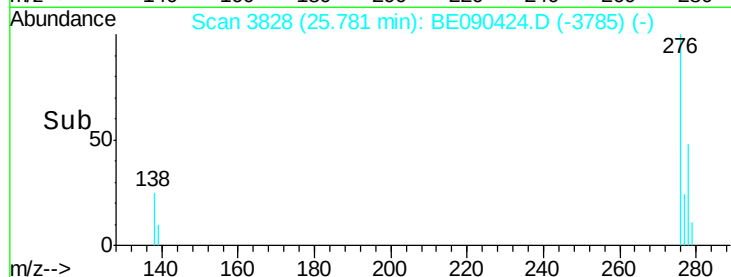
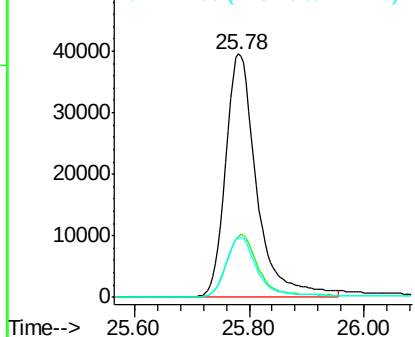
#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.22 ng  
 RT: 25.78 min Scan# 3828  
 Delta R.T. -0.00 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB84906BS

Tot Ion:276 Resp: 150433  
 Ion Ratio Lower Upper  
 276 100  
 138 26.6 18.8 28.2  
 277 24.7 18.2 27.4

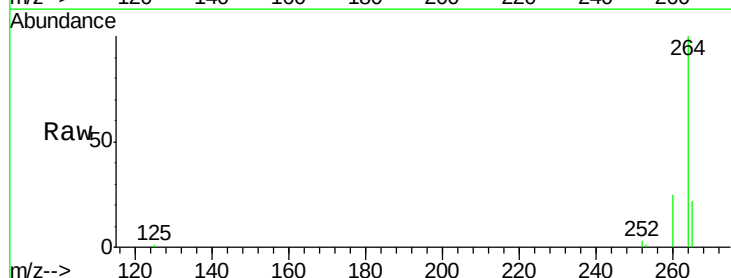


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

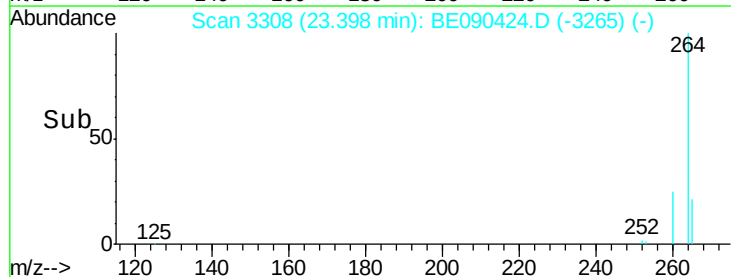
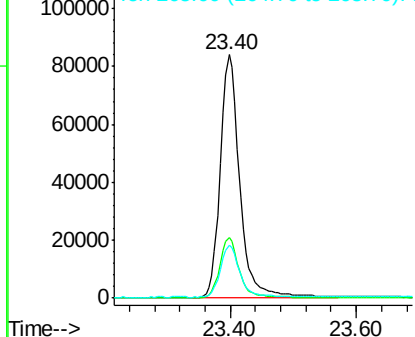


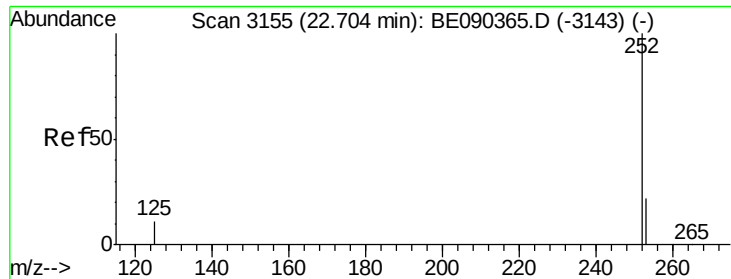
#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.40 min Scan# 3308  
 Delta R.T. -0.00 min  
 Lab File: BE090424.D  
 Acq: 11 Aug 2015 5:13

Tgt Ion:264 Resp: 181810  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.1 30.1  
 265 21.8 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: 3.45 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

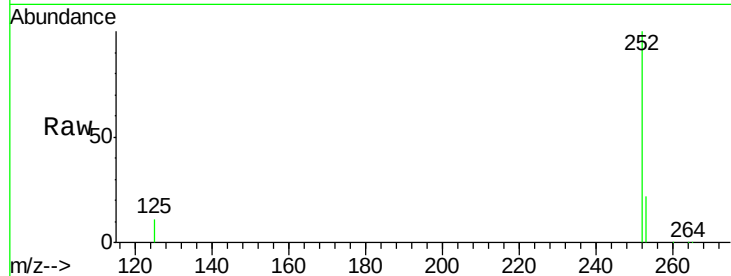
Tot Ion:252 Resp: 139046

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

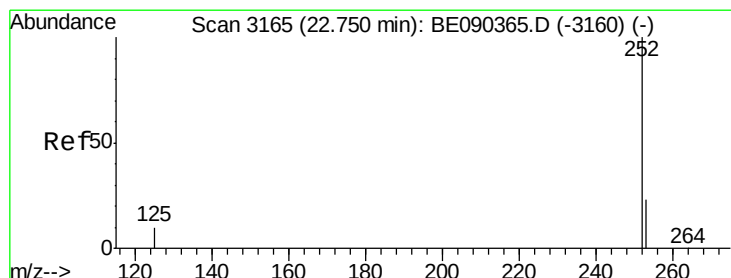
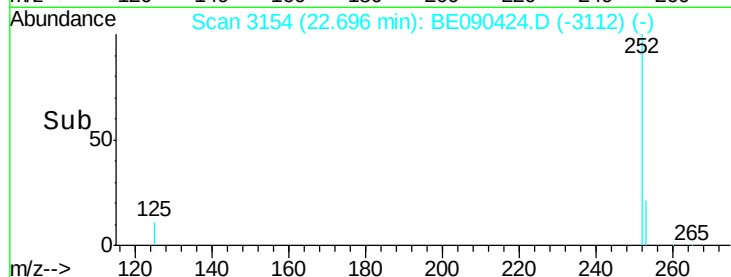
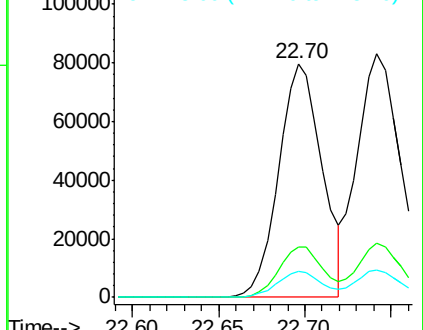
125 11.4 9.4 14.2



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: 3.27 ng m

RT: 22.74 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

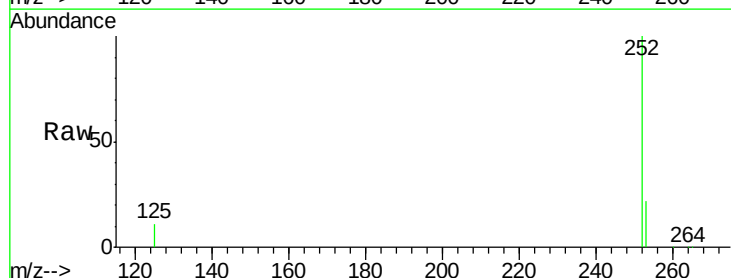
Tgt Ion:252 Resp: 165714

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

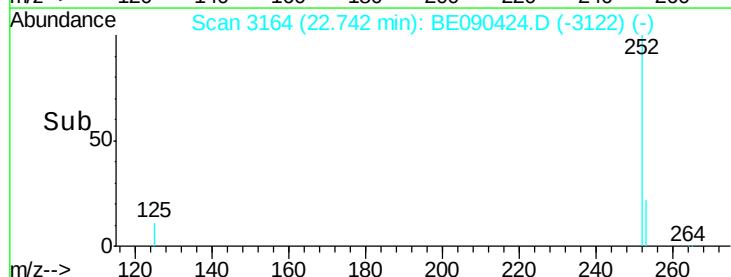
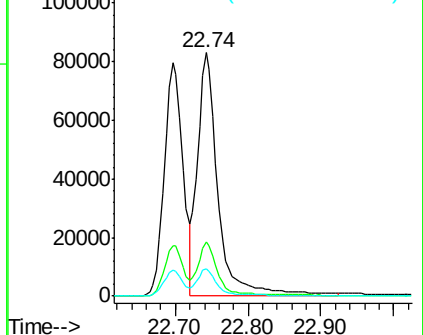
125 11.1 9.1 13.7

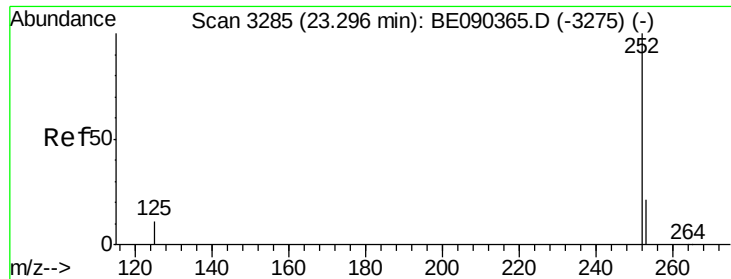


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 3.43 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS

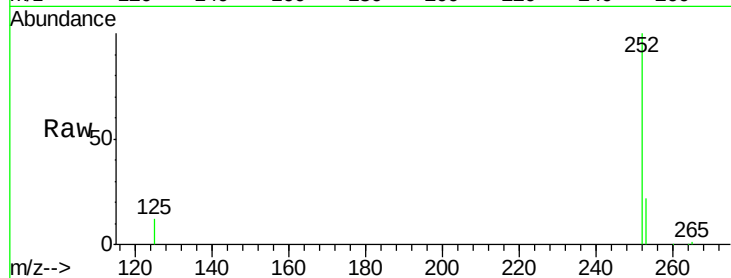
Tot Ion:252 Resp: 130481

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

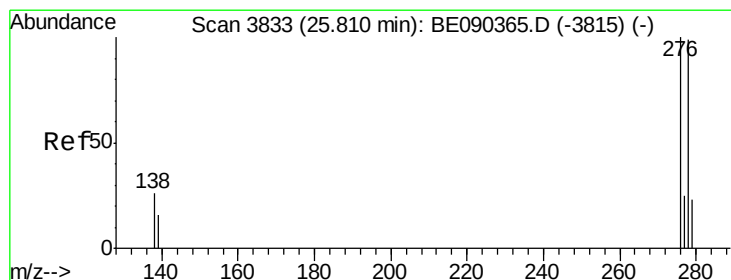
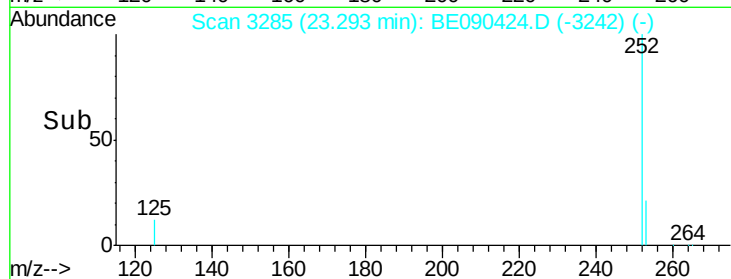
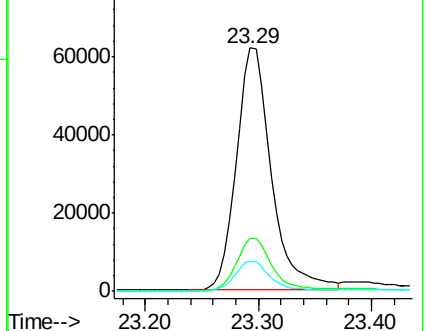
125 12.3 9.8 14.6



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: 3.26 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

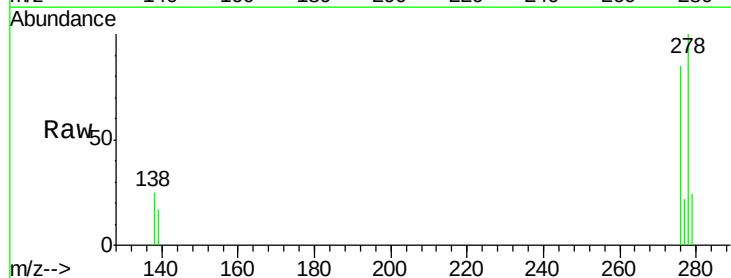
Tgt Ion:278 Resp: 120007

Ion Ratio Lower Upper

278 100

139 17.1 14.2 21.4

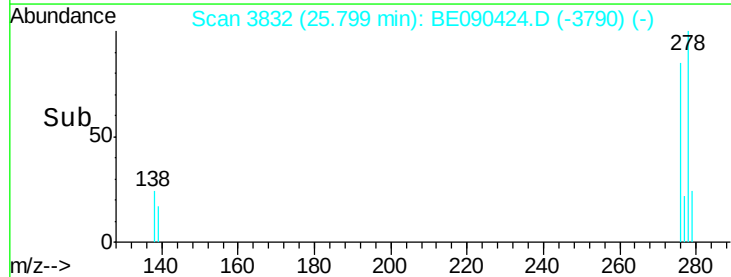
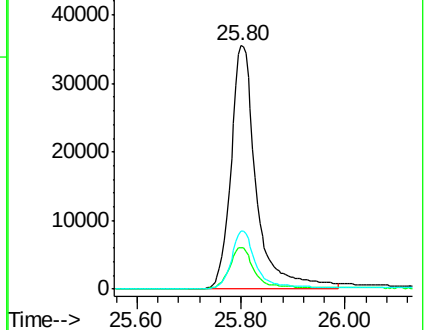
279 23.9 20.1 30.1

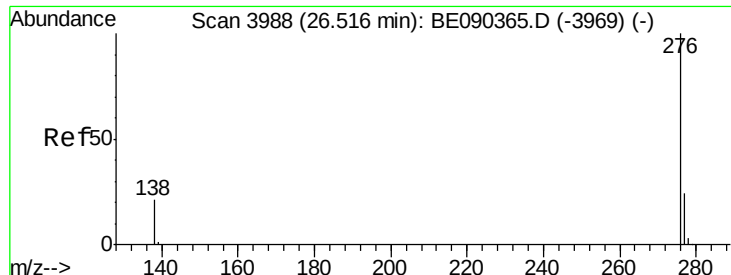


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 3.96 ng

RT: 26.51 min Scan# 3988

Delta R.T. -0.01 min

Lab File: BE090424.D

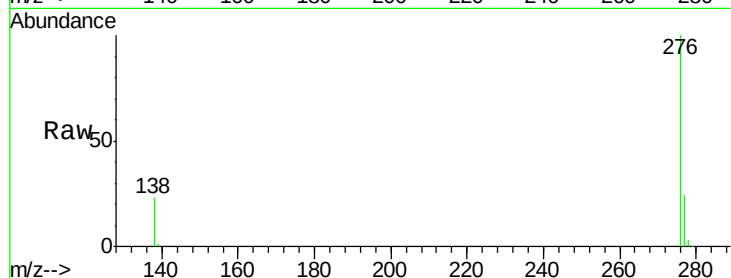
Acq: 11 Aug 2015 5:13

Instrument :

BNA\_E

ClientSampleId :

PB84906BS



Tot Ion: 276 Resp: 132880

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 23.0 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

