

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030618\  
 Data File : BE095702.D  
 Acq On : 6 Mar 2018 17:57  
 Operator : SJ/JU  
 Sample : PB107119BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Mar 07 01:10:34 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 12:12:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.43  | 152  | 1606     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.27 | 136  | 5819     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.00 | 164  | 2893     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.71 | 188  | 6725     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.80 | 240  | 7271     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.43 | 264  | 6582     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.92  | 112  | 872      | 0.21 | ng    | 0.00     |
| 5) Phenol-d6                | 7.56  | 99   | 1079     | 0.18 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.53  | 82   | 129      | 0.02 | ng    | -0.09    |
| 11) 2-Methylnaphthalene-d10 | 12.80 | 152  | 1838     | 0.19 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.47 | 330  | 152      | 0.23 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.64 | 172  | 2629     | 0.20 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.69 | 212  | 17321    | 0.20 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.24 | 244  | 2651     | 0.18 | ng    | -0.01    |

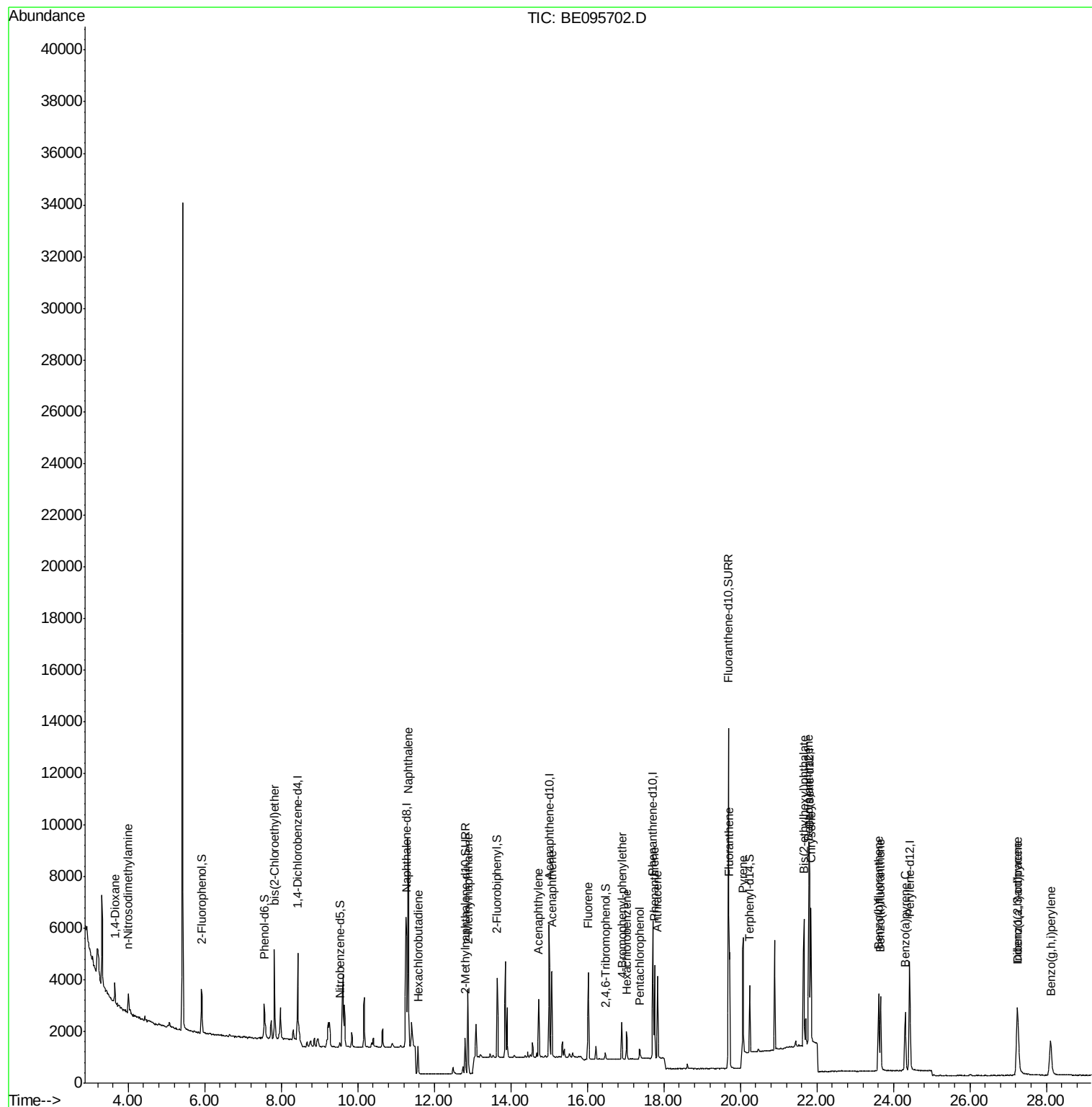
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.65  | 88   | 497      | 0.197 | ng    | # 73   |
| 3) n-Nitrosodimethylamine      | 3.99  | 42   | 615      | 0.196 | ng    | # 81   |
| 6) bis(2-Chloroethyl)ether     | 7.82  | 93   | 1160     | 0.193 | ng    | 95     |
| 9) Naphthalene                 | 11.31 | 128  | 13539    | 0.202 | ng    | 100    |
| 10) Hexachlorobutadiene        | 11.57 | 225  | 913      | 0.233 | ng    | 91     |
| 12) 2-Methylnaphthalene        | 12.88 | 142  | 2179     | 0.188 | ng    | 95     |
| 16) Acenaphthylene             | 14.73 | 152  | 2957     | 0.182 | ng    | 99     |
| 17) Acenaphthene               | 15.07 | 154  | 1898     | 0.186 | ng    | 94     |
| 18) Fluorene                   | 16.03 | 166  | 2302     | 0.182 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 16.90 | 248  | 783      | 0.185 | ng    | # 82   |
| 21) Hexachlorobenzene          | 17.03 | 284  | 815      | 0.186 | ng    | # 83   |
| 22) Pentachlorophenol          | 17.37 | 266  | 276      | 0.351 | ng    | # 78   |
| 23) Phenanthrene               | 17.75 | 178  | 3960     | 0.188 | ng    | 98     |
| 24) Anthracene                 | 17.83 | 178  | 3615     | 0.187 | ng    | 95     |
| 26) Fluoranthene               | 19.72 | 202  | 4897     | 0.189 | ng    | 97     |
| 28) Pyrene                     | 20.07 | 202  | 5768     | 0.194 | ng    | 97     |
| 30) Benzo(a)anthracene         | 21.78 | 228  | 4711     | 0.199 | ng    | 98     |
| 31) Chrysene                   | 21.84 | 228  | 4660     | 0.198 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 6548     | 0.156 | ng    | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 27.23 | 276  | 4409     | 0.193 | ng    | # 92   |
| 35) Benzo(b)fluoranthene       | 23.61 | 252  | 4389     | 0.187 | ng    | # 91   |
| 36) Benzo(k)fluoranthene       | 23.66 | 252  | 4380     | 0.188 | ng    | # 90   |
| 37) Benzo(a)pyrene             | 24.31 | 252  | 4085     | 0.193 | ng    | # 92   |
| 38) Dibenzo(a,h)anthracene     | 27.25 | 278  | 3476     | 0.185 | ng    | 95     |
| 39) Benzo(g,h,i)perylene       | 28.11 | 276  | 3898     | 0.193 | ng    | # 94   |

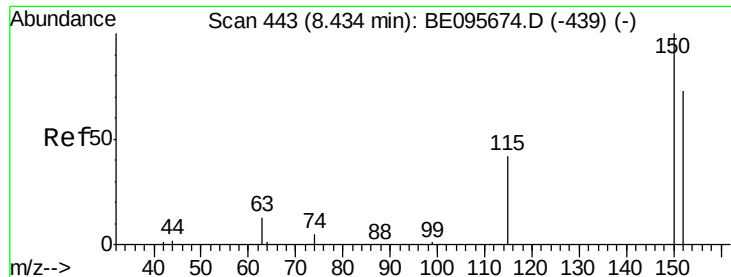
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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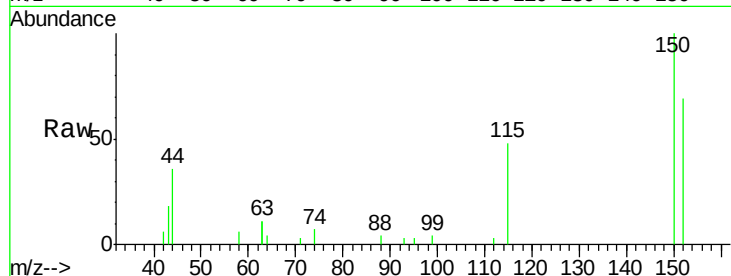


#1

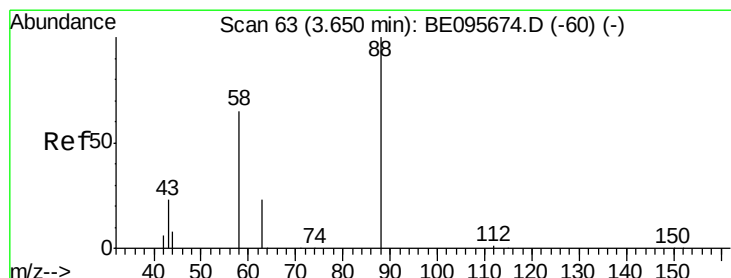
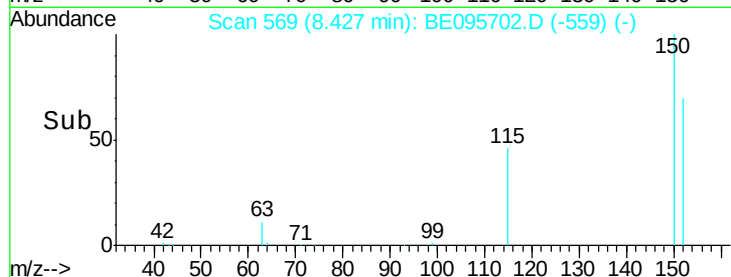
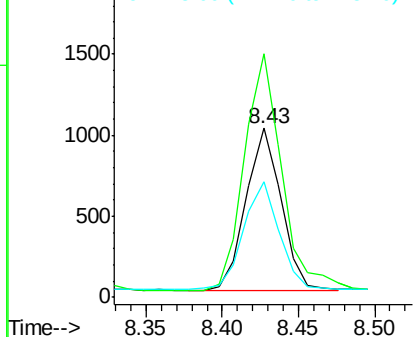
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1606  
Ion Ratio Lower Upper  
152 100  
150 144.2 117.2 175.8  
115 68.6 57.0 85.6



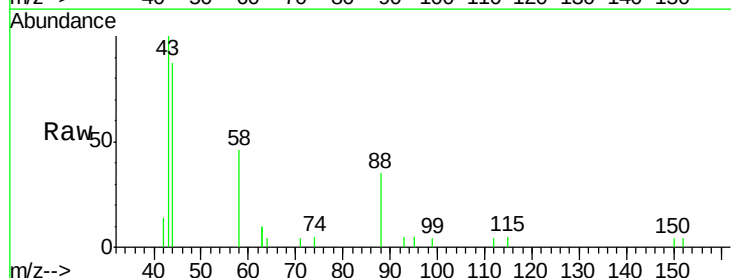
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



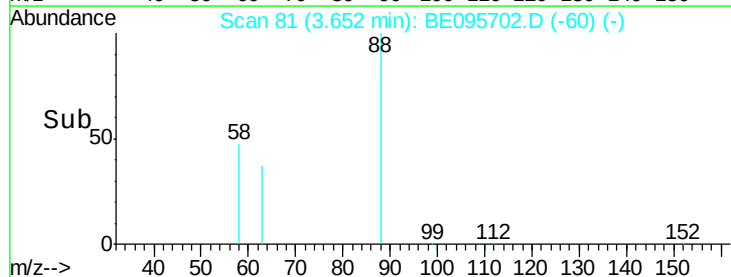
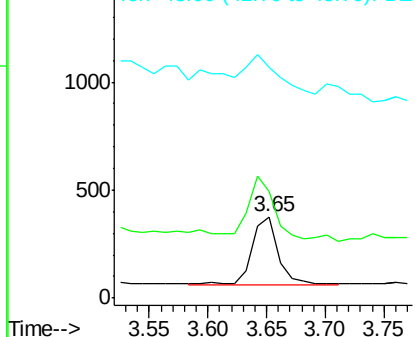
#2

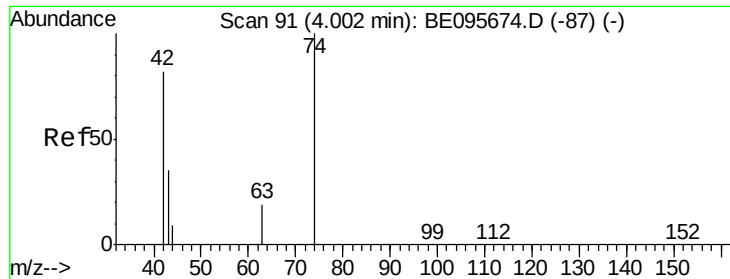
1,4-Dioxane  
Concen: 0.197 ng  
RT: 3.65 min Scan# 81  
Delta R.T. 0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Tgt Ion: 88 Resp: 497  
Ion Ratio Lower Upper  
88 100  
58 104.6 63.2 94.8#  
43 68.2 41.2 61.8#



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



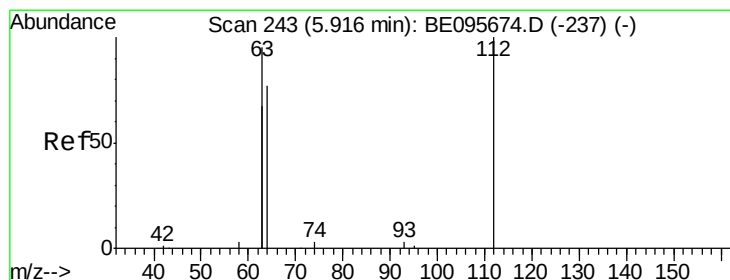
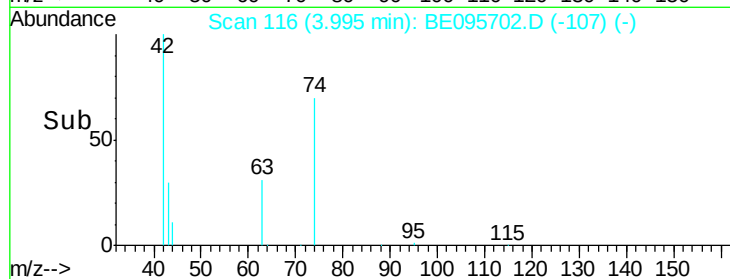
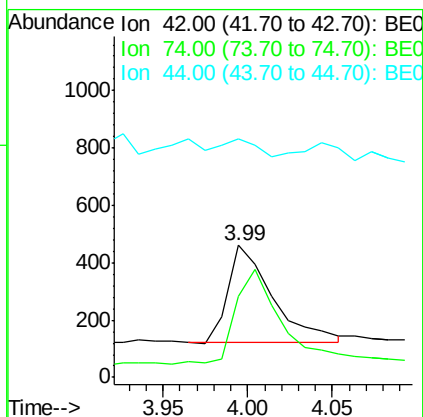
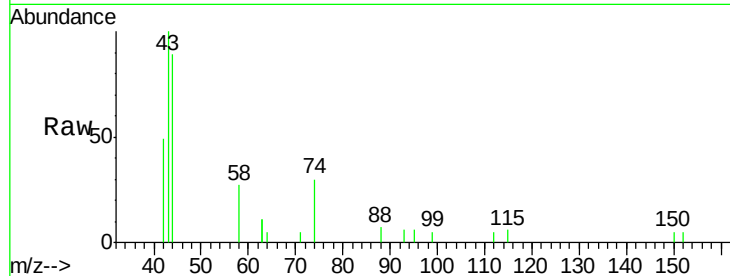


#3

n-Nitrosodimethylamine  
 Concen: 0.196 ng  
 RT: 3.99 min Scan# 116  
 Delta R.T. -0.01 min  
 Lab File: BE095702.D  
 Acq: 6 Mar 2018 17:57

Instrument :  
 BNA\_E  
 ClientSampleId :

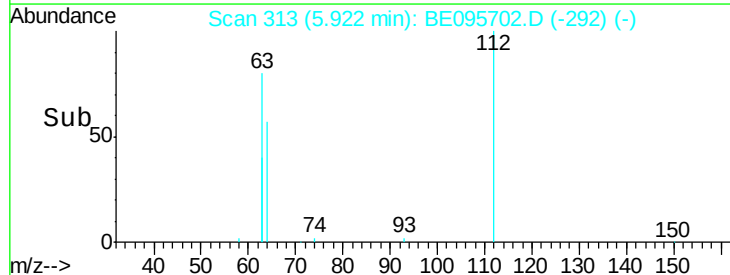
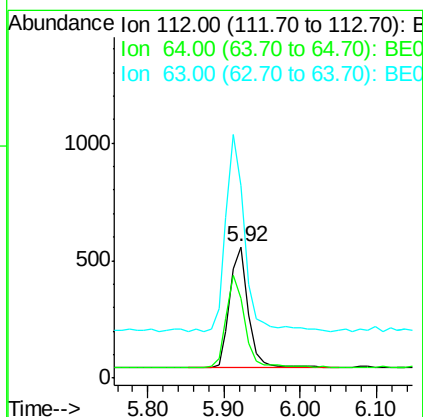
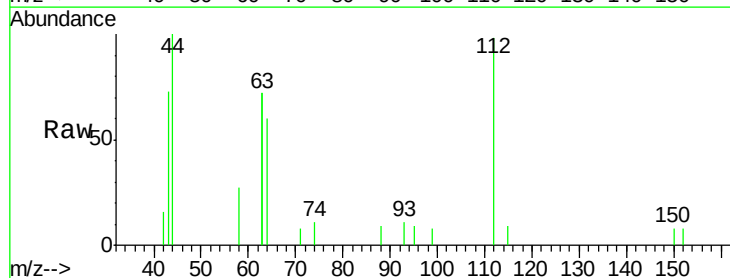
Tot Ion: 42 Resp: 615  
 Ion Ratio Lower Upper  
 42 100  
 74 101.6 96.0 144.0  
 44 0.0 12.0 18.0#

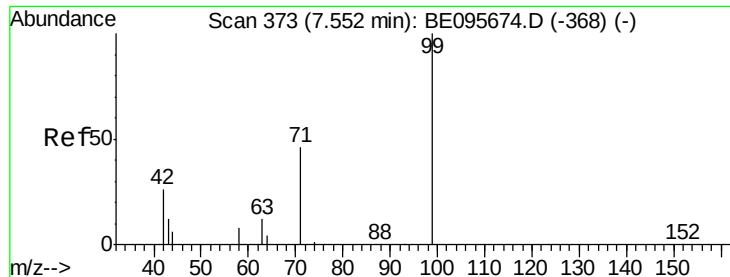


#4

2-Fluorophenol  
 Concen: 0.206 ng  
 RT: 5.92 min Scan# 313  
 Delta R.T. 0.01 min  
 Lab File: BE095702.D  
 Acq: 6 Mar 2018 17:57

Tgt Ion: 112 Resp: 872  
 Ion Ratio Lower Upper  
 112 100  
 64 74.2 60.1 90.1  
 63 165.7 116.8 175.2





#5

Phenol-d6

Concen: 0.184 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

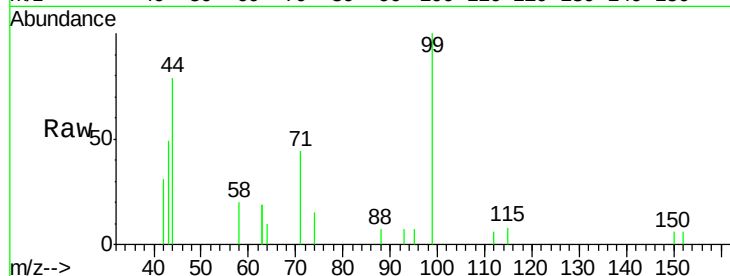
Tot Ion: 99 Resp: 1079

Ion Ratio Lower Upper

99 100

42 27.2 20.2 30.2

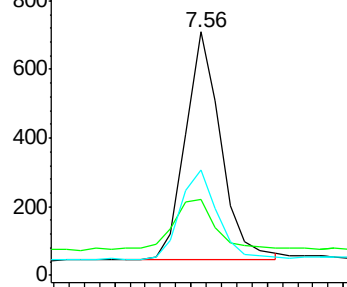
71 41.7 28.4 42.6



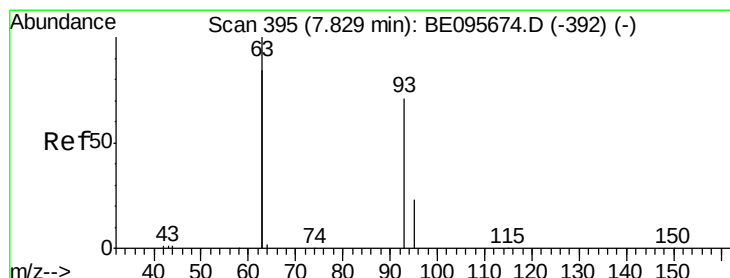
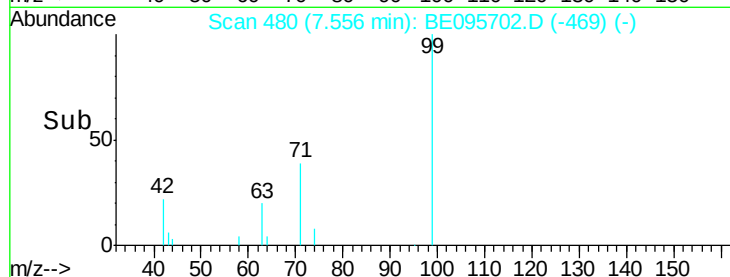
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.193 ng

RT: 7.82 min Scan# 507

Delta R.T. -0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

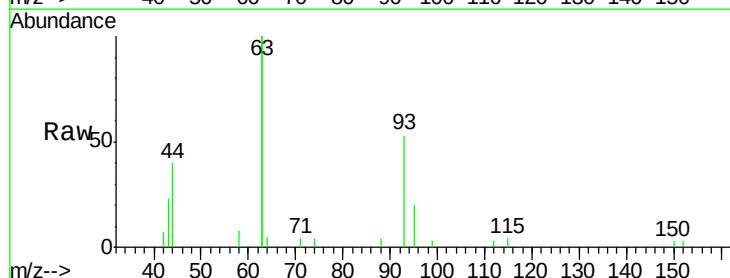
Tgt Ion: 93 Resp: 1160

Ion Ratio Lower Upper

93 100

63 332.7 275.3 412.9

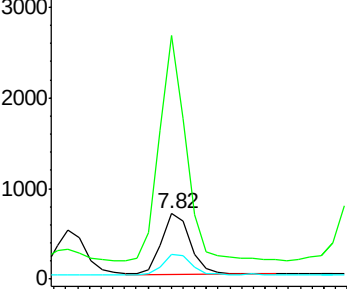
95 32.7 25.2 37.8



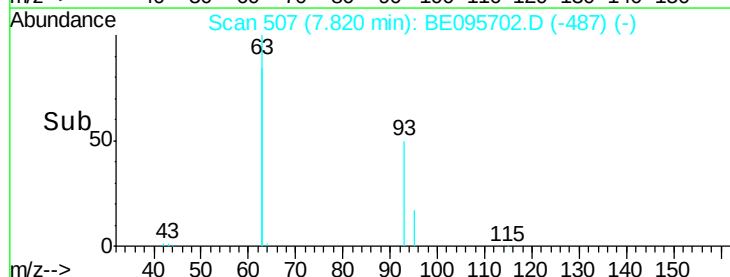
Abundance Ion 93.00 (92.70 to 93.70): BE0

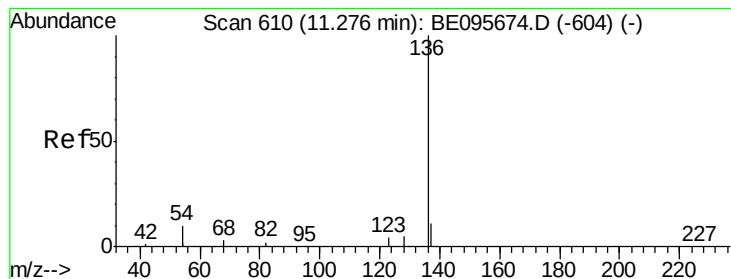
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 5819

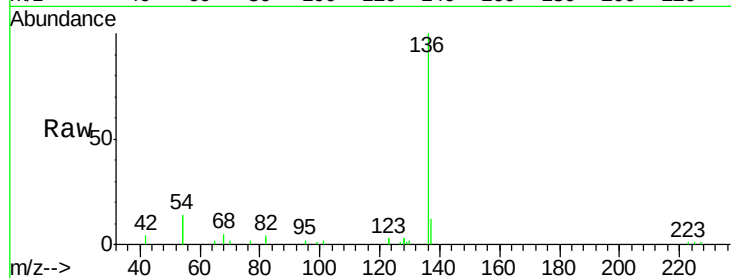
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 27.2 29.1 43.7#

68 5.5 6.2 9.2#

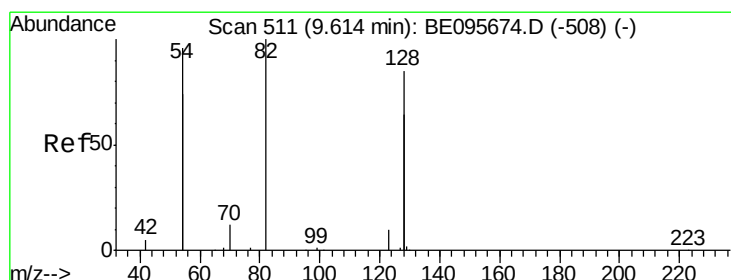
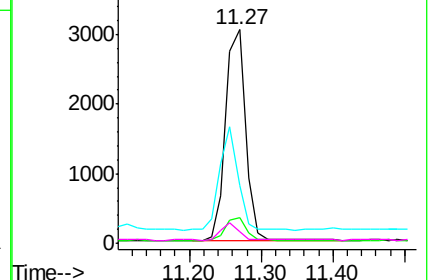
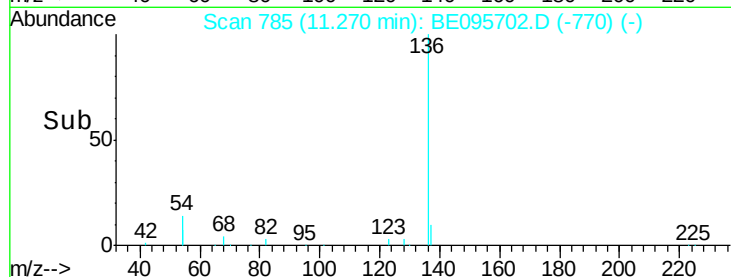


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.09 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

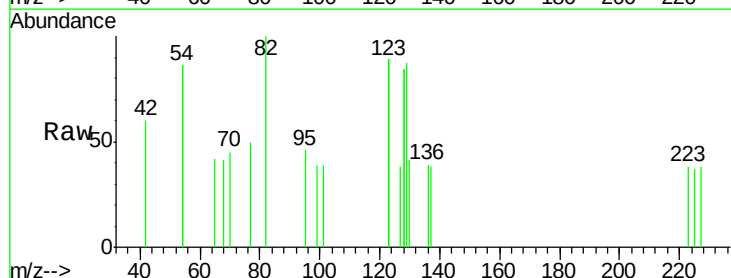
Tgt Ion: 82 Resp: 129

Ion Ratio Lower Upper

82 100

128 167.5 150.0 225.0

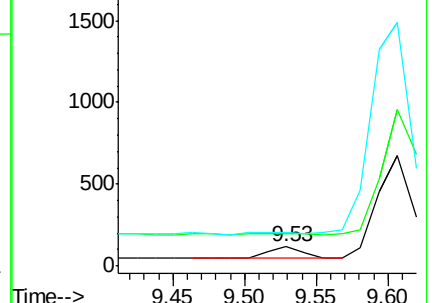
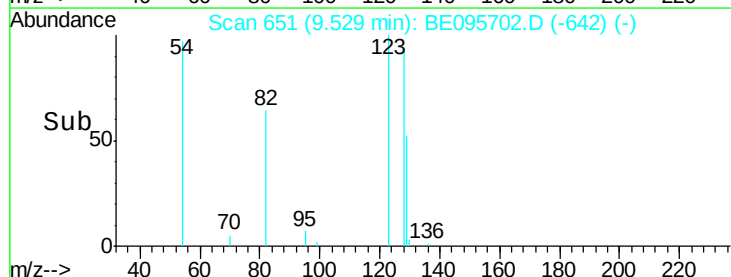
54 172.6 154.2 231.4

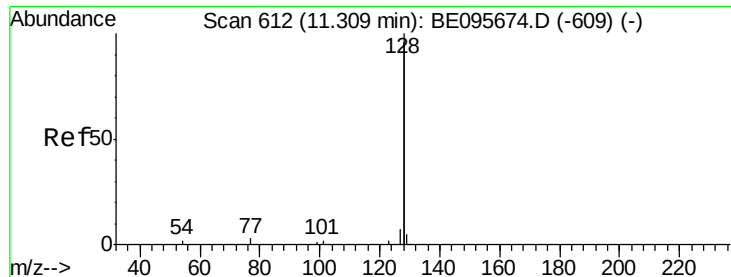


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.202 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

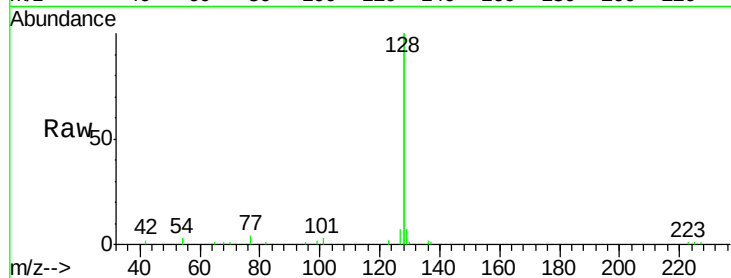
Tot Ion:128 Resp: 13539

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

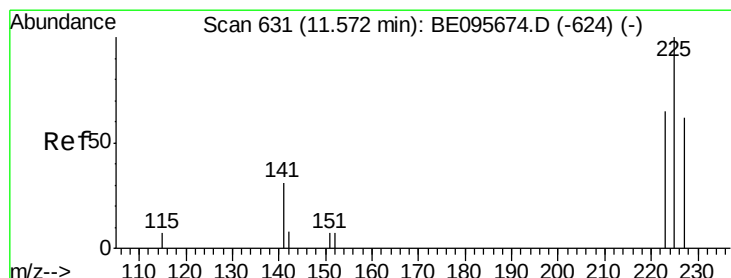
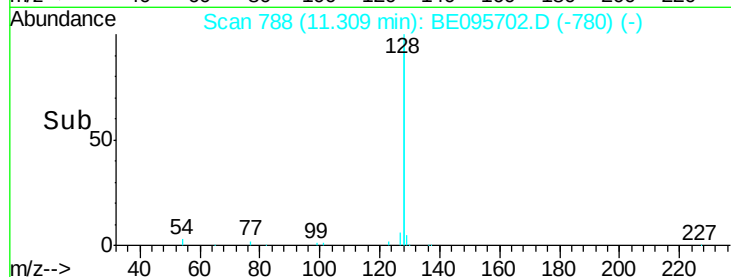
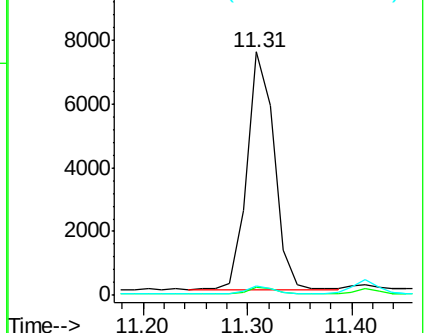
127 3.7 2.8 4.2



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: 0.233 ng

RT: 11.57 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

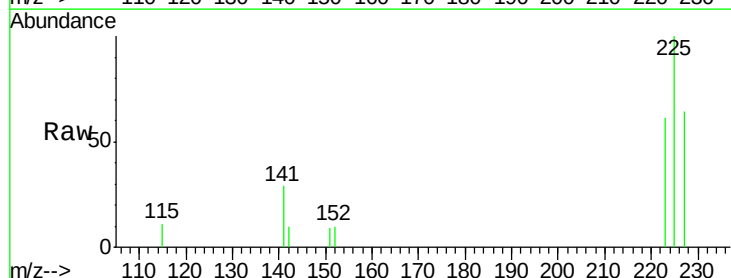
Tgt Ion:225 Resp: 913

Ion Ratio Lower Upper

225 100

223 57.0 53.0 79.6

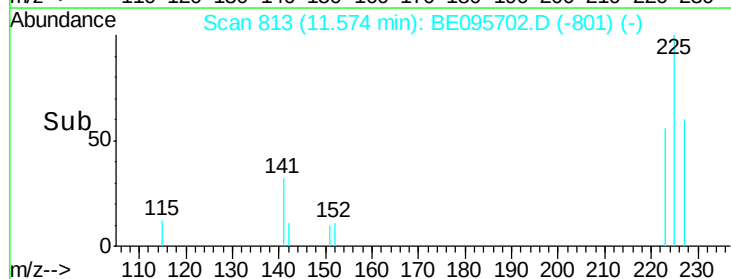
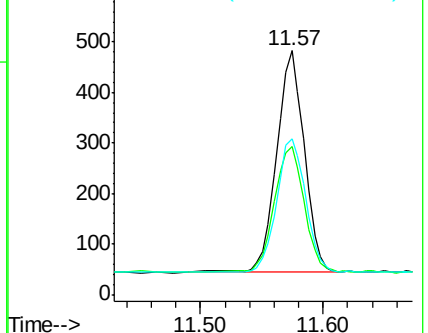
227 59.7 51.4 77.2

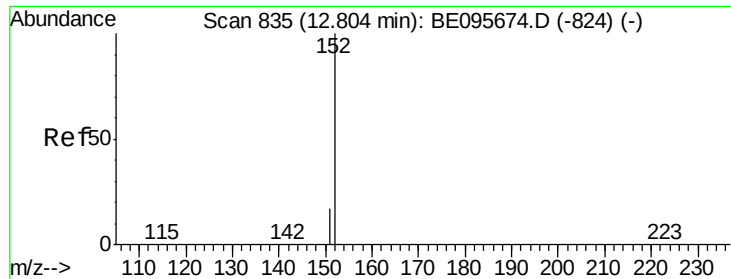


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

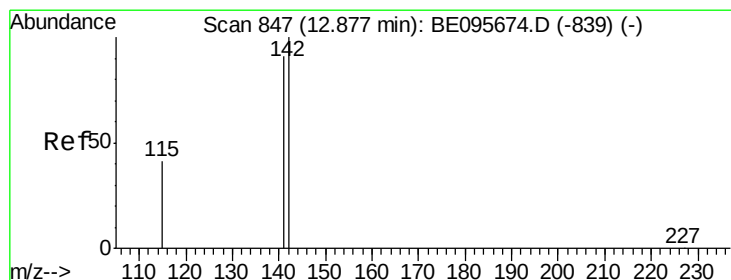
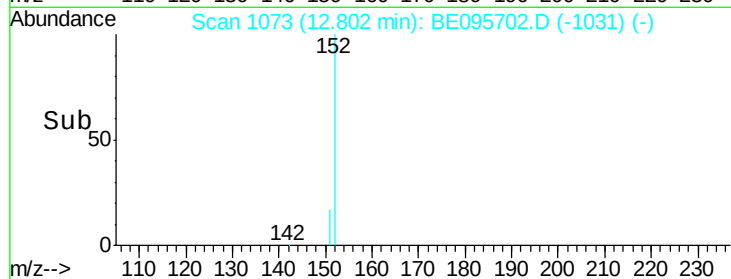
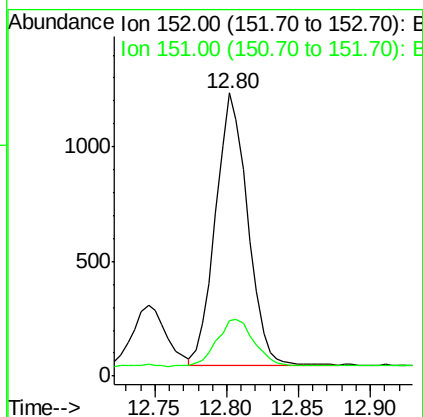
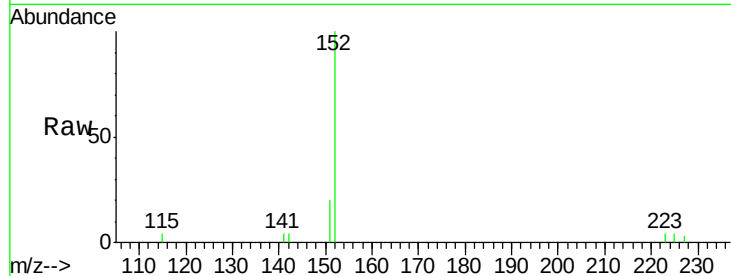




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.189 ng  
 RT: 12.80 min Scan# 1073  
 Delta R.T. -0.00 min  
 Lab File: BE095702.D  
 Acq: 6 Mar 2018 17:57

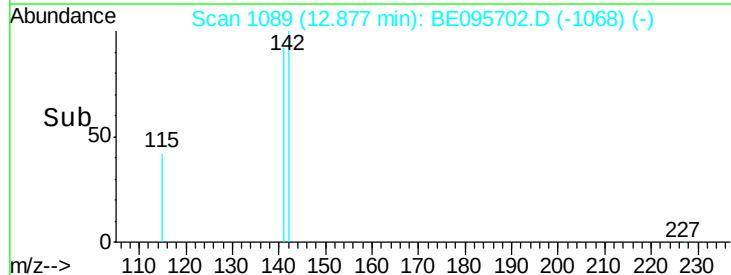
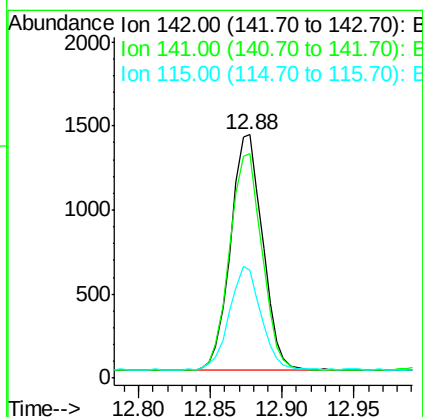
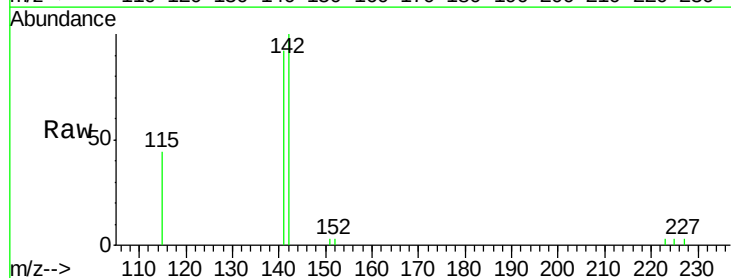
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:152 Resp: 1838  
 Ion Ratio Lower Upper  
 152 100  
 151 19.7 15.4 23.0

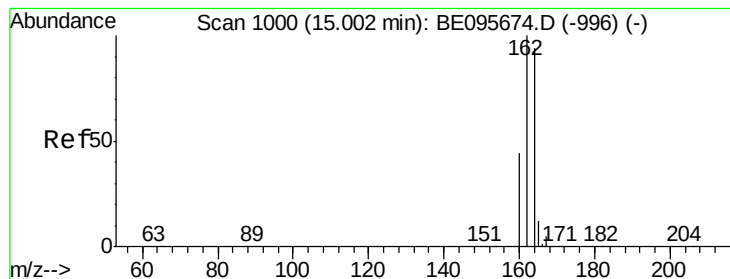


#12  
 2-Methylnaphthalene  
 Concen: 0.188 ng  
 RT: 12.88 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: BE095702.D  
 Acq: 6 Mar 2018 17:57

Tgt Ion:142 Resp: 2179  
 Ion Ratio Lower Upper  
 142 100  
 141 91.9 70.4 105.6  
 115 44.4 31.7 47.5







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

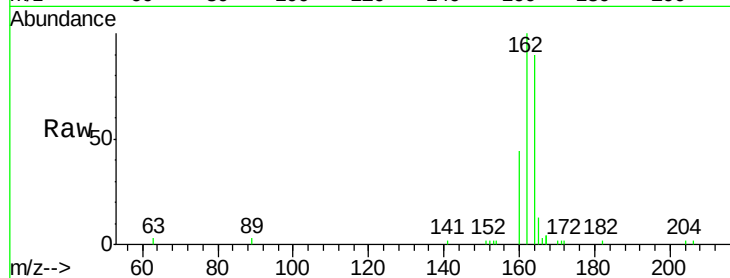
Tot Ion:164 Resp: 2893

Ion Ratio Lower Upper

164 100

162 111.6 83.1 124.7

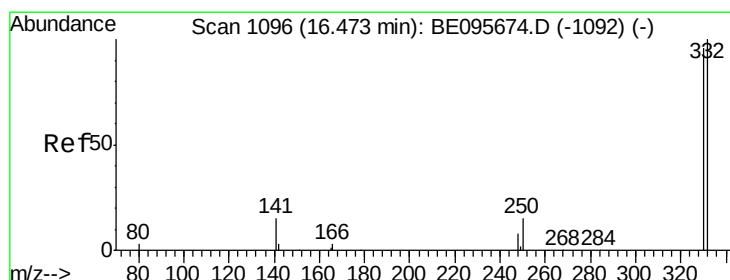
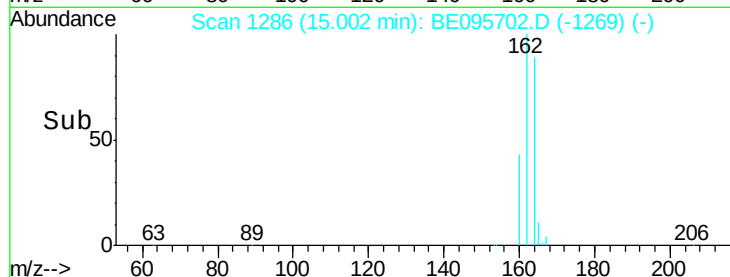
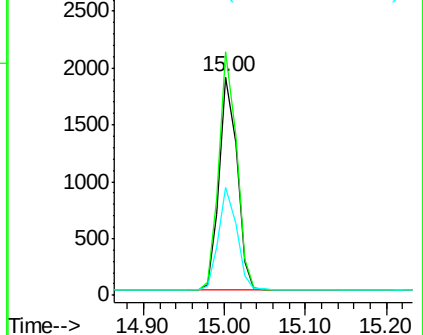
160 49.6 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.225 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

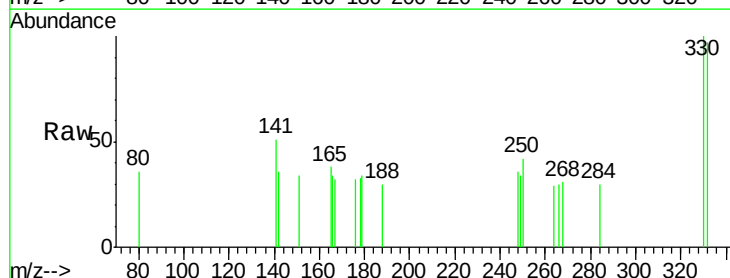
Tgt Ion:330 Resp: 152

Ion Ratio Lower Upper

330 100

332 103.3 152.7 229.1#

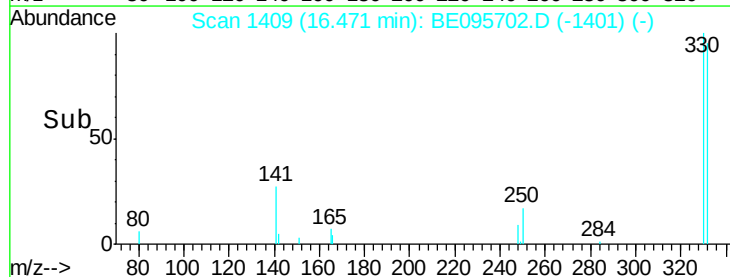
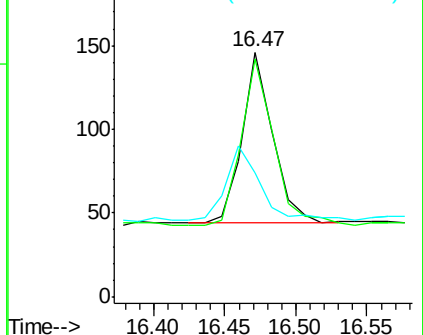
141 46.7 33.7 50.5

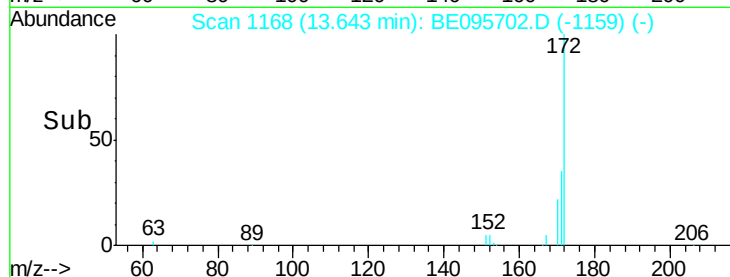
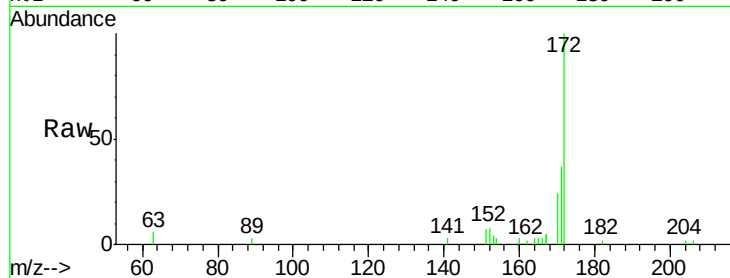
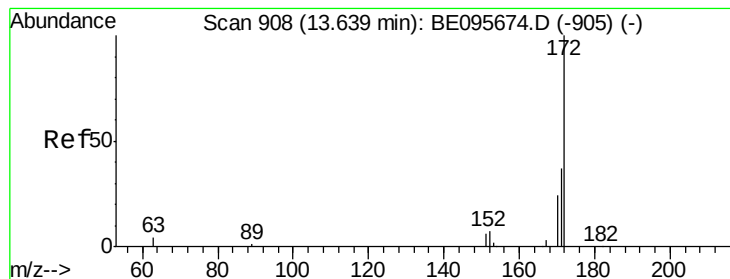


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.203 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

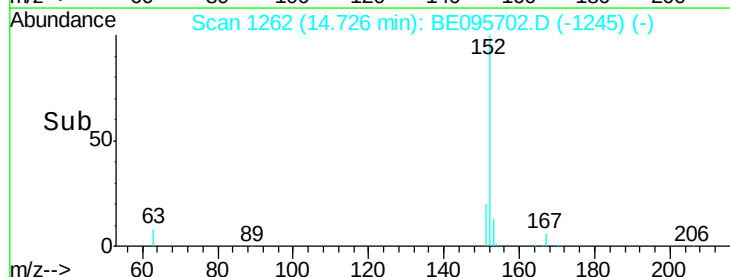
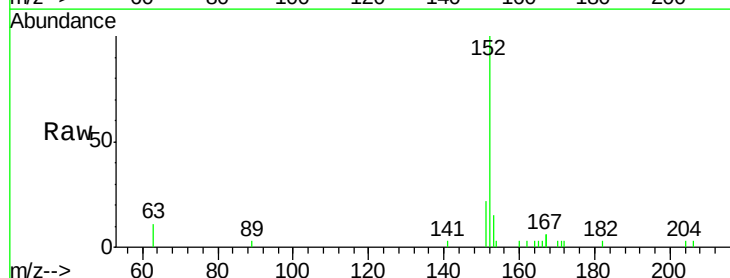
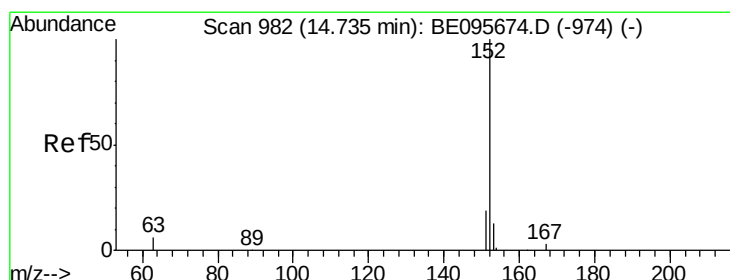
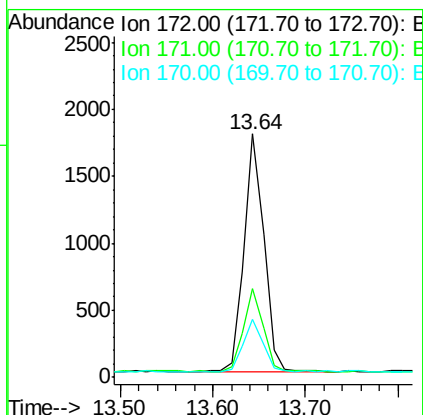
Tot Ion:172 Resp: 2629

Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

170 24.0 21.8 32.8



#16

Acenaphthylene

Concen: 0.182 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

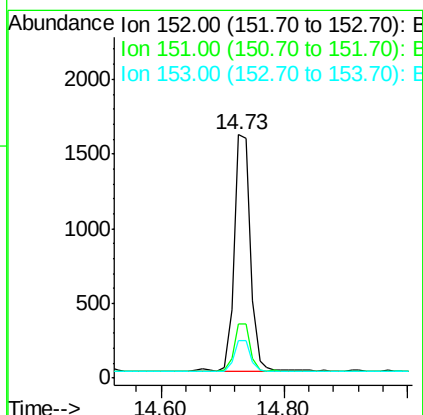
Tgt Ion:152 Resp: 2957

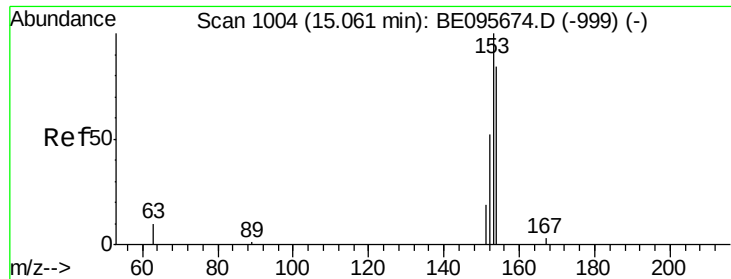
Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

153 13.0 10.5 15.7

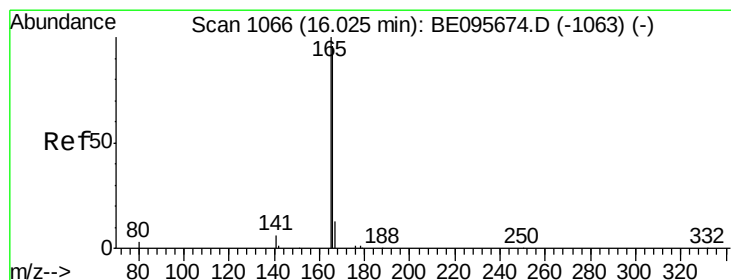
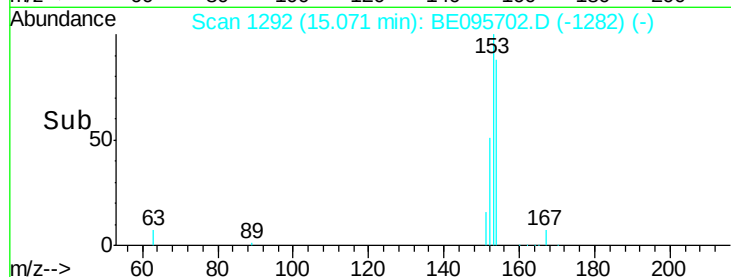
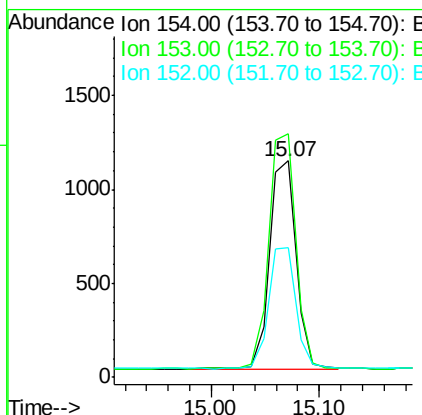
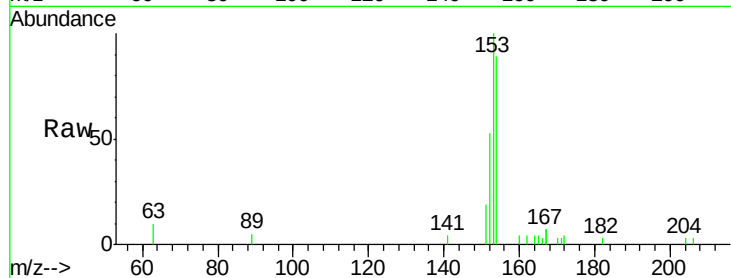




#17  
Acenaphthene  
Concen: 0.186 ng  
RT: 15.07 min Scan# 1292  
Delta R.T. 0.01 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

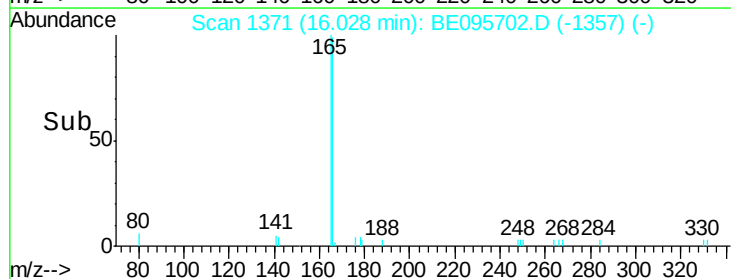
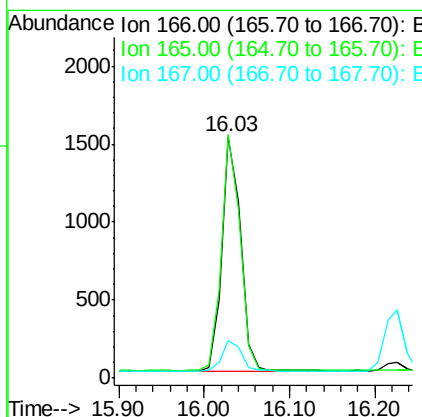
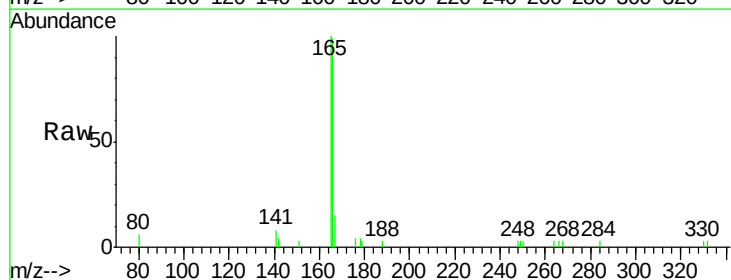
Instrument :  
BNA\_E  
ClientSampleId :

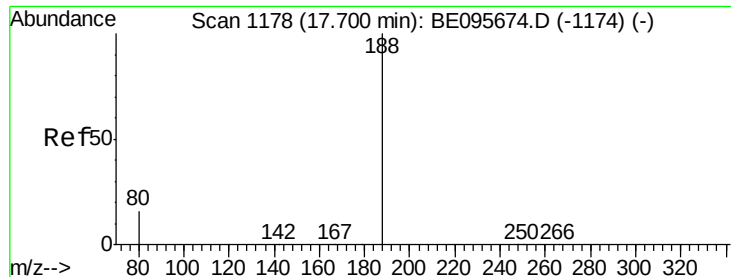
Tot Ion:154 Resp: 1898  
Ion Ratio Lower Upper  
154 100  
153 115.8 89.2 133.8  
152 60.3 42.0 63.0



#18  
Fluorene  
Concen: 0.182 ng  
RT: 16.03 min Scan# 1371  
Delta R.T. 0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Tgt Ion:166 Resp: 2302  
Ion Ratio Lower Upper  
166 100  
165 100.4 77.8 116.6  
167 13.5 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

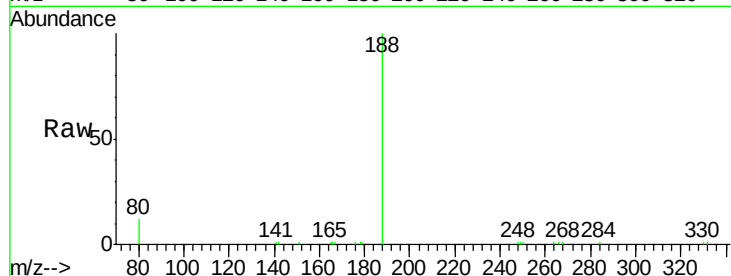
Tot Ion:188 Resp: 6725

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

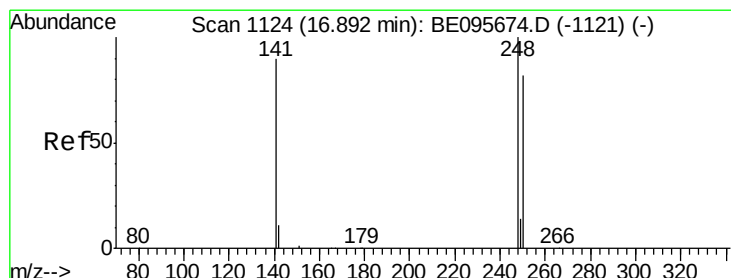
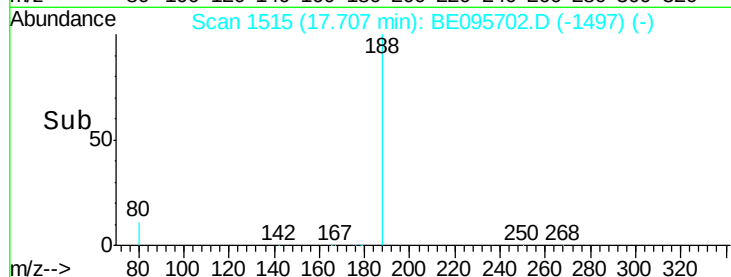
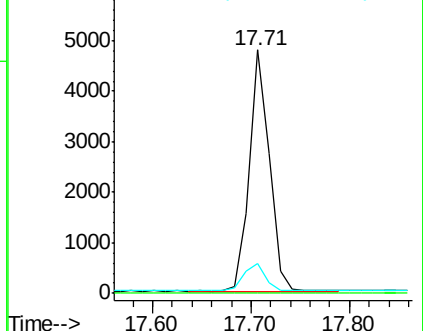
80 12.1 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.185 ng

RT: 16.90 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

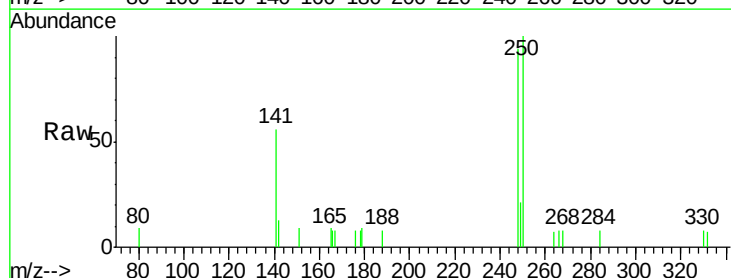
Tgt Ion:248 Resp: 783

Ion Ratio Lower Upper

248 100

250 106.3 62.7 94.1#

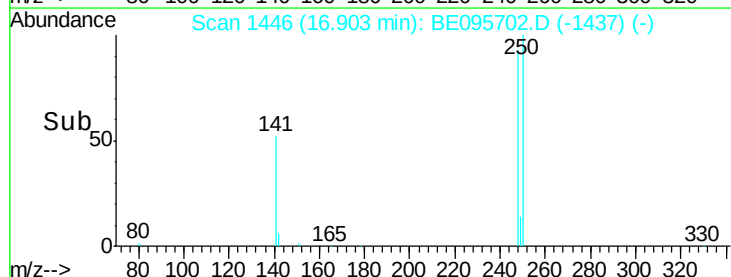
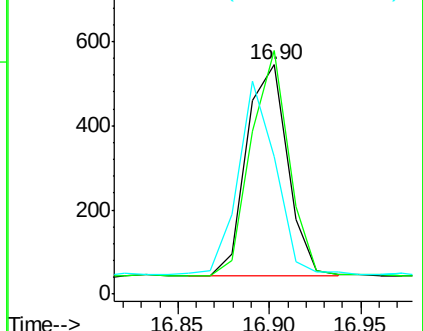
141 59.9 48.2 72.2

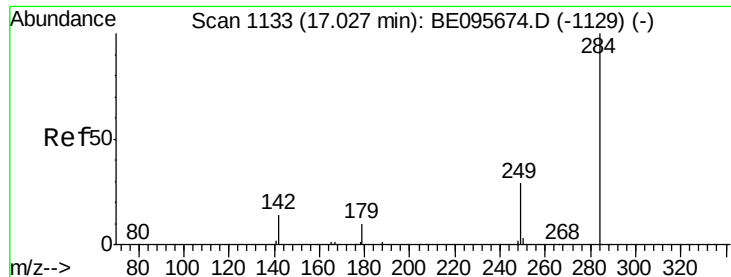


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.186 ng

RT: 17.03 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

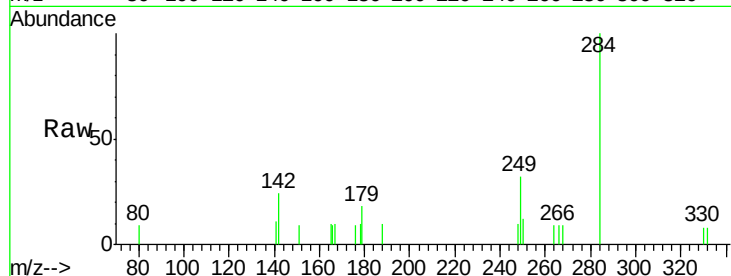
Tot Ion:284 Resp: 815

Ion Ratio Lower Upper

284 100

142 41.1 22.1 33.1#

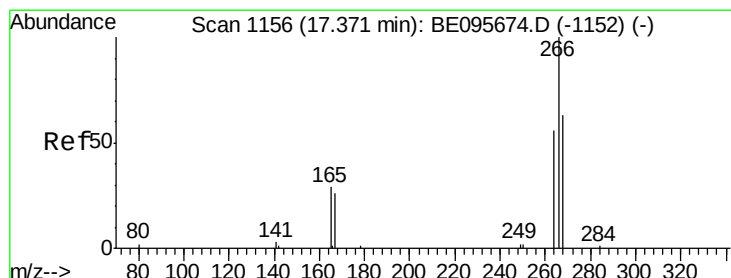
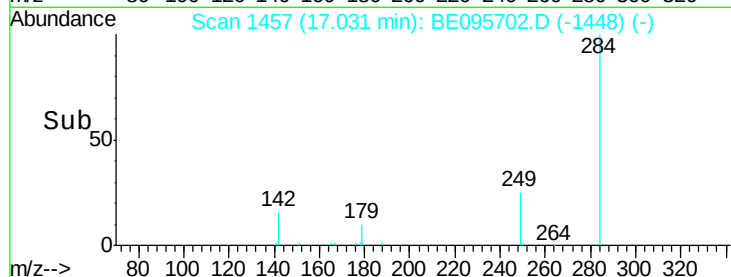
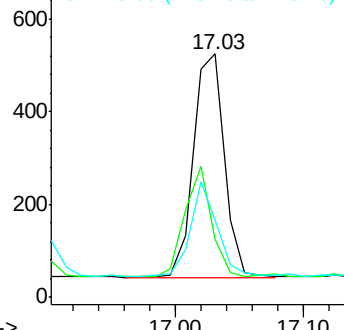
249 36.6 34.8 52.2



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



#22

Pentachlorophenol

Concen: 0.351 ng

RT: 17.37 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

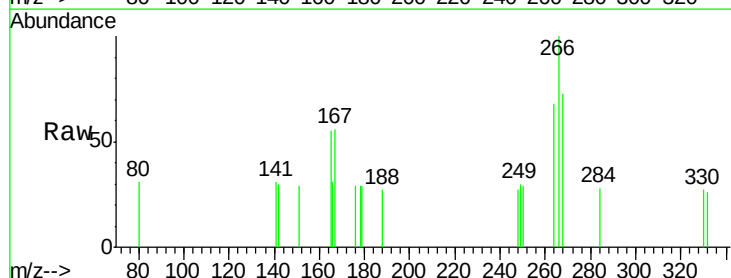
Tgt Ion:266 Resp: 276

Ion Ratio Lower Upper

266 100

264 68.3 72.5 108.7#

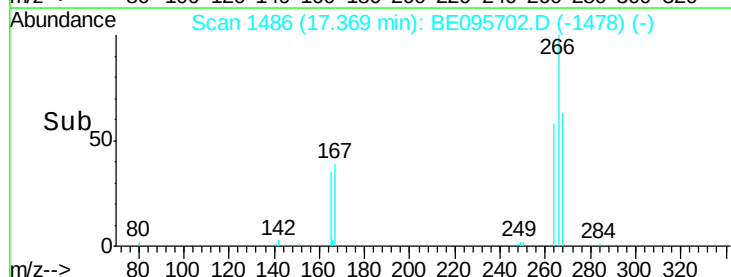
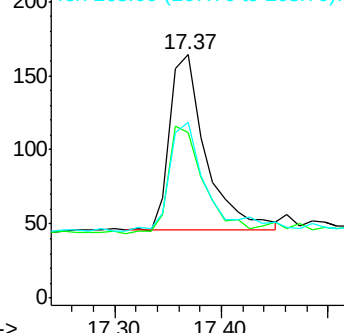
268 72.6 73.8 110.6#

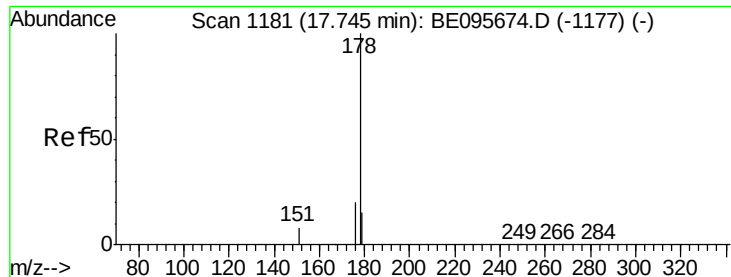


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.188 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

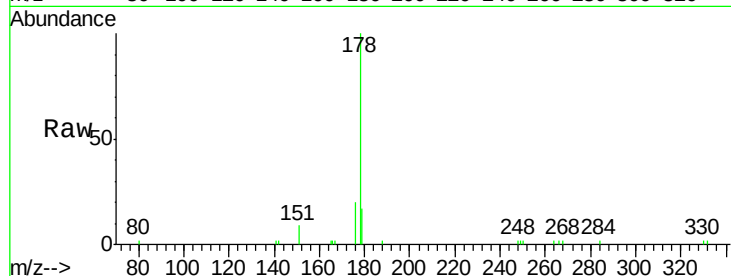
Tot Ion:178 Resp: 3960

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

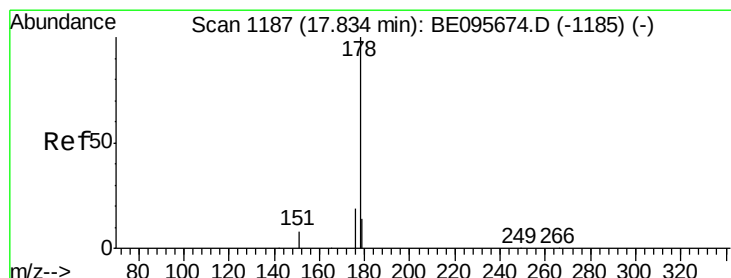
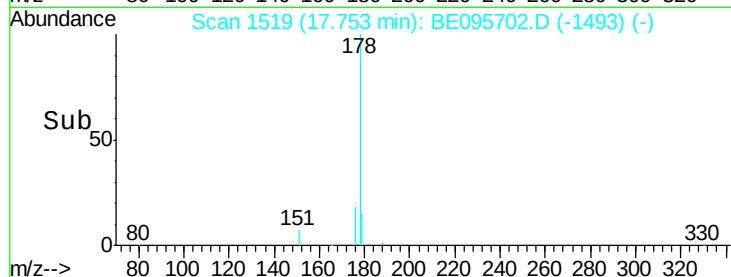
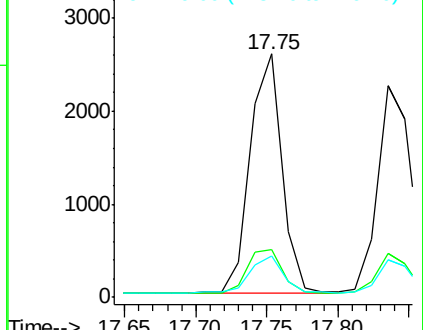
179 15.7 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.187 ng

RT: 17.83 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

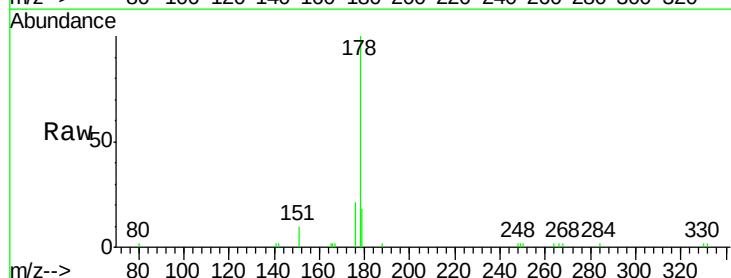
Tgt Ion:178 Resp: 3615

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

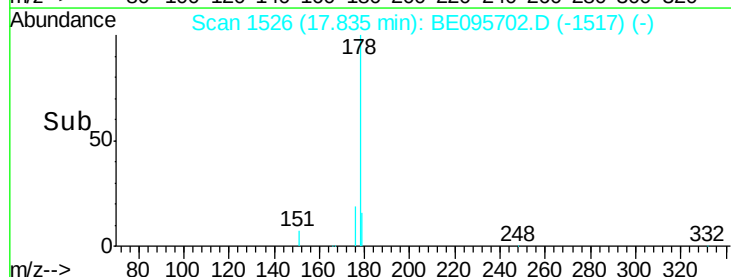
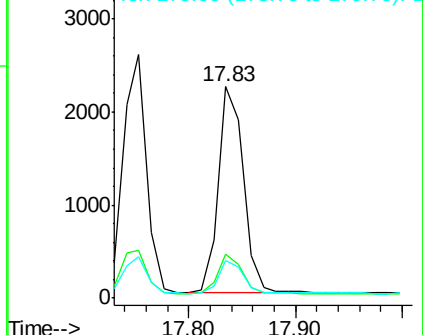
179 15.2 13.0 19.6

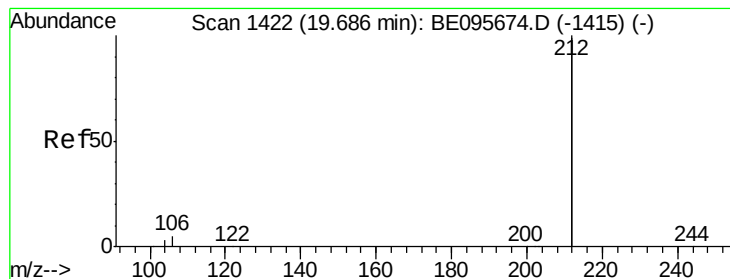


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.197 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

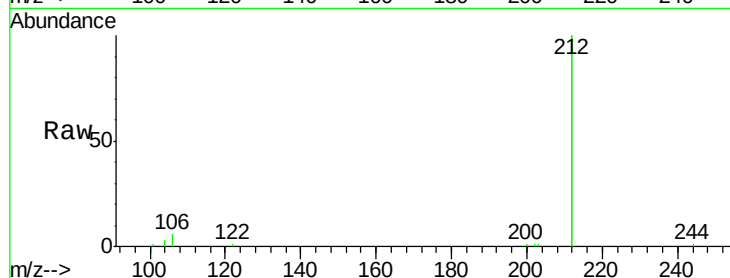
Tot Ion:212 Resp: 17321

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

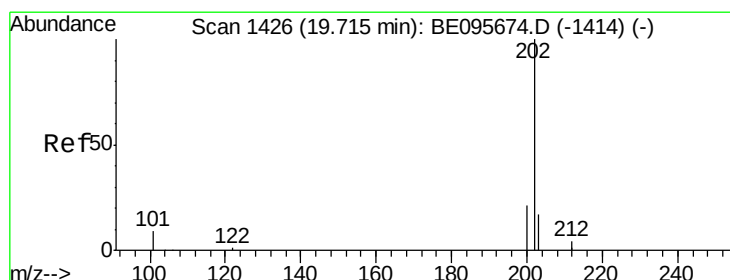
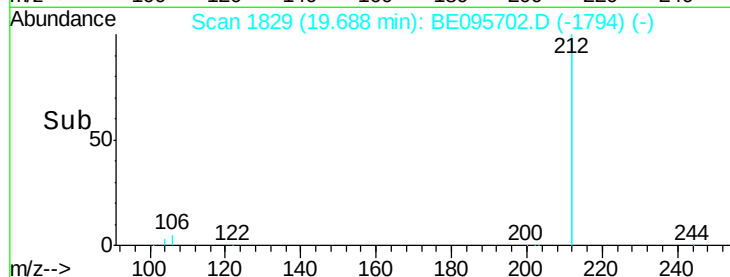
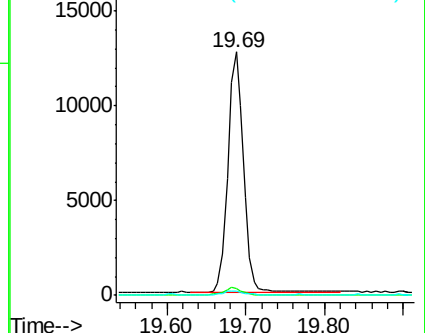
104 1.6 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.189 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

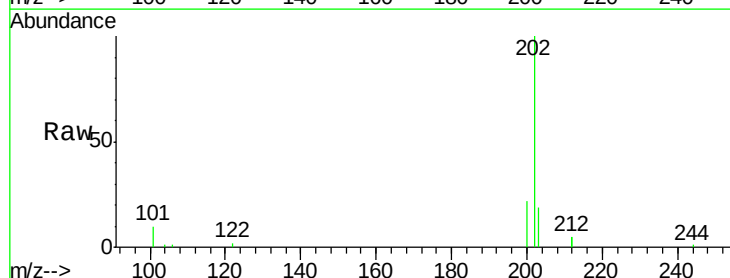
Tgt Ion:202 Resp: 4897

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

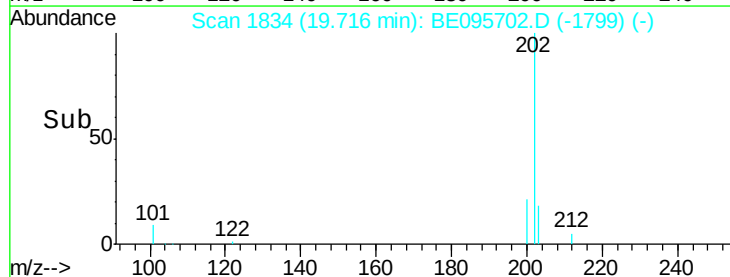
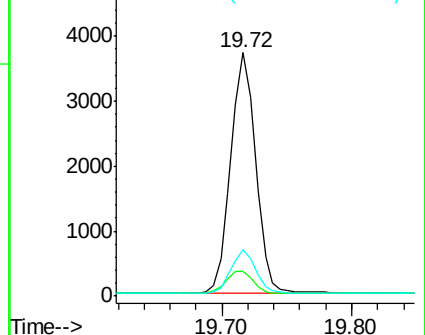
203 17.5 13.7 20.5

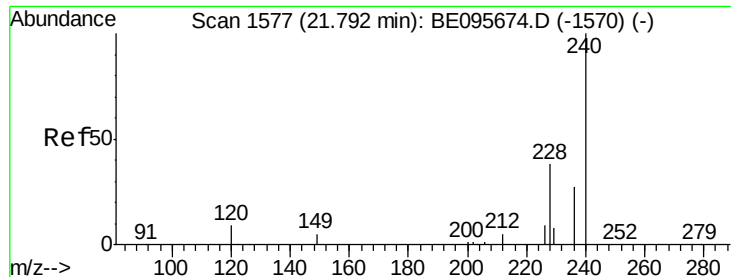


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

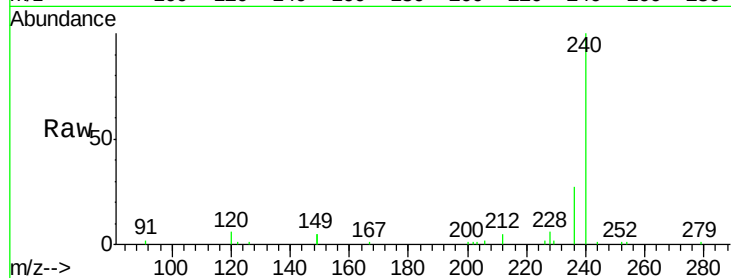
Tot Ion:240 Resp: 7271

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

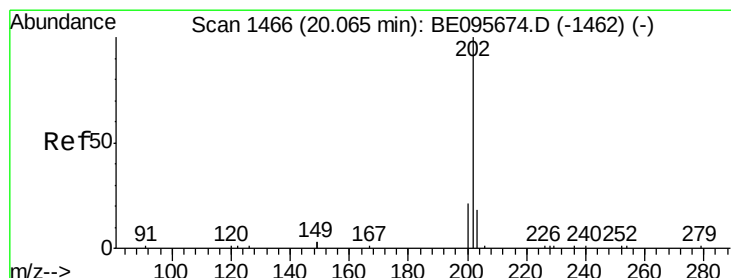
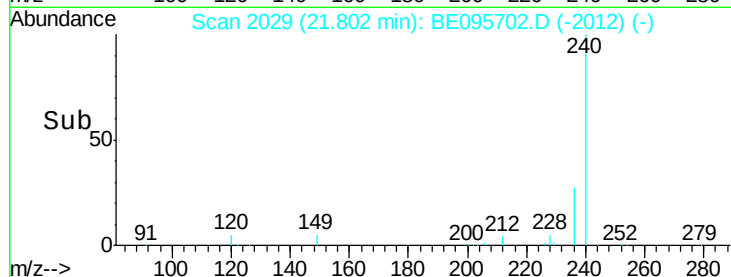
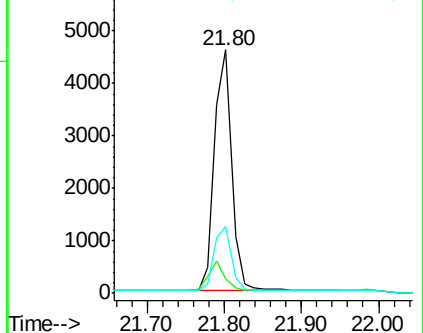
236 27.3 20.7 31.1



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



#28

Pyrene

Concen: 0.194 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

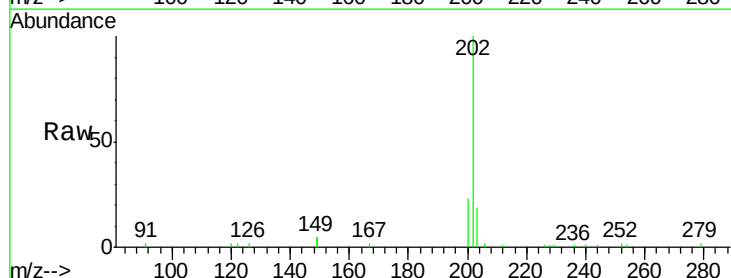
Tgt Ion:202 Resp: 5768

Ion Ratio Lower Upper

202 100

200 22.7 16.6 25.0

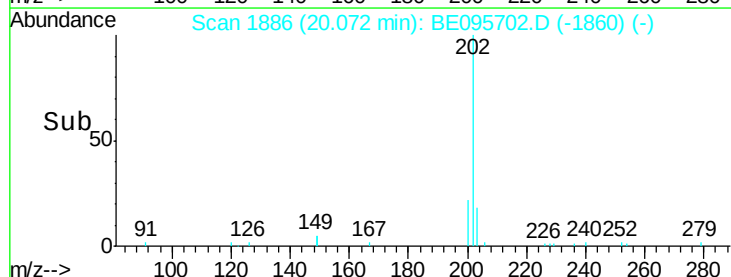
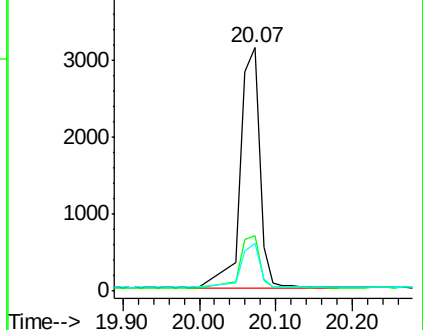
203 16.7 13.8 20.8



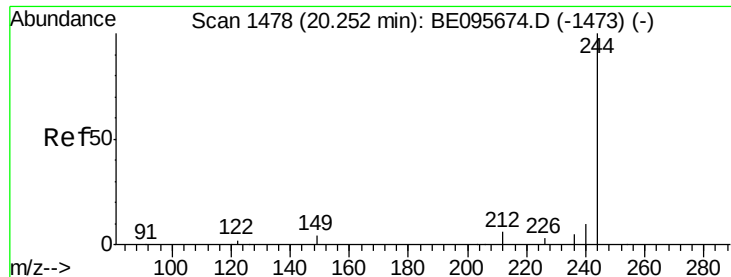
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.183 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

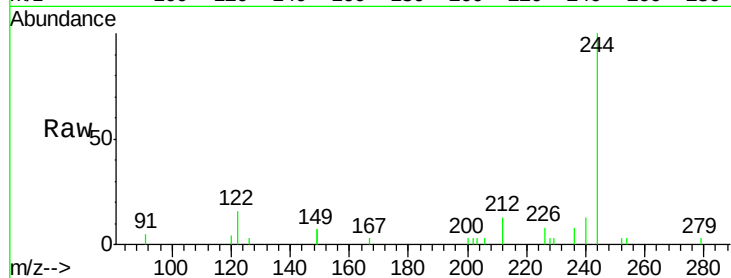
Tot Ion:244 Resp: 2651

Ion Ratio Lower Upper

244 100

212 13.1 25.4 38.0#

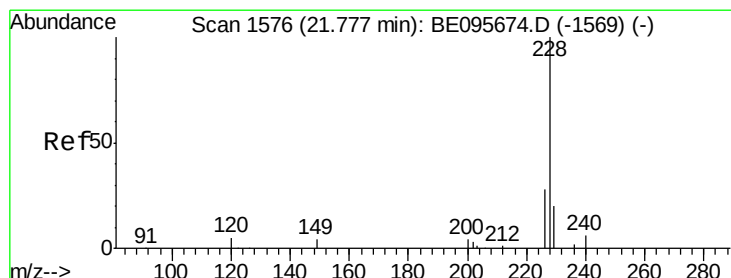
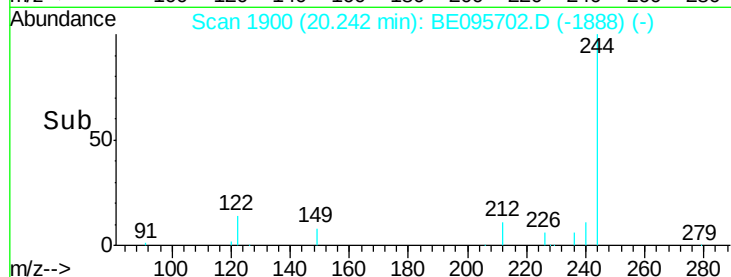
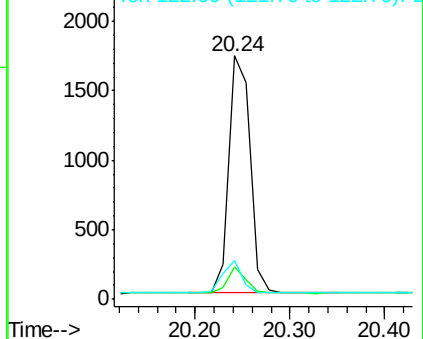
122 16.1 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.199 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

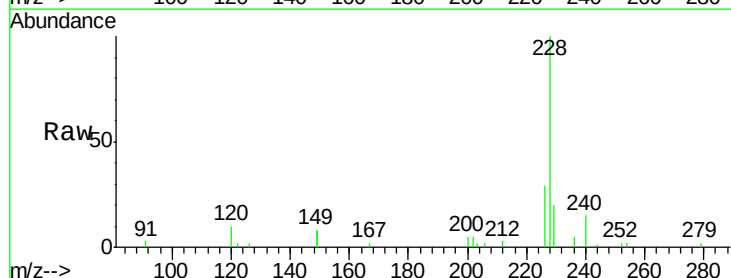
Tgt Ion:228 Resp: 4711

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

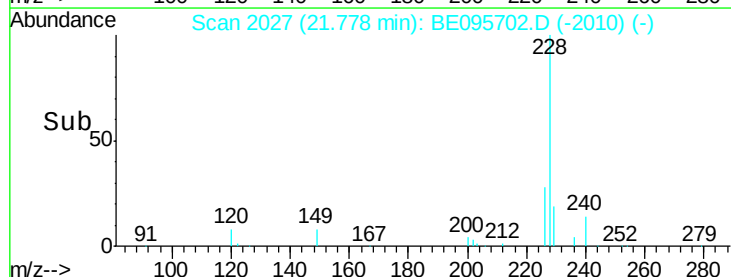
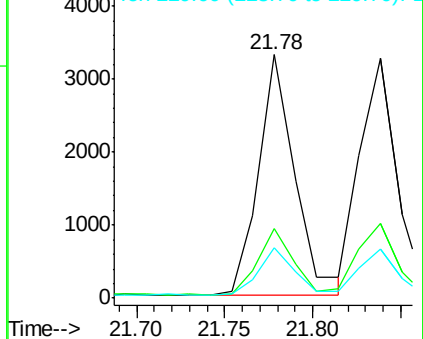
229 20.5 16.0 24.0

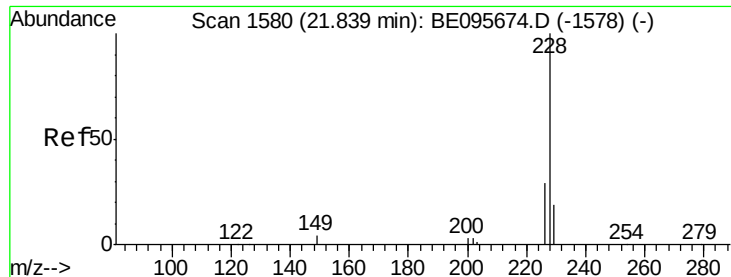


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.198 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

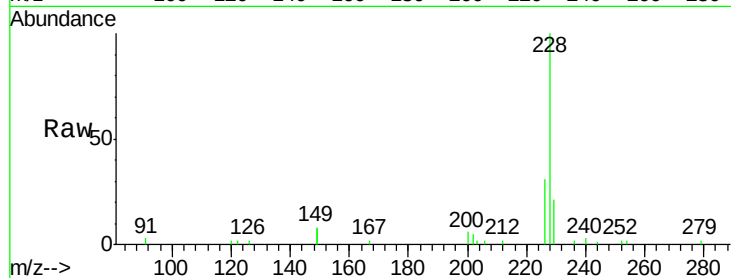
Tot Ion:228 Resp: 4660

Ion Ratio Lower Upper

228 100

226 31.5 24.0 36.0

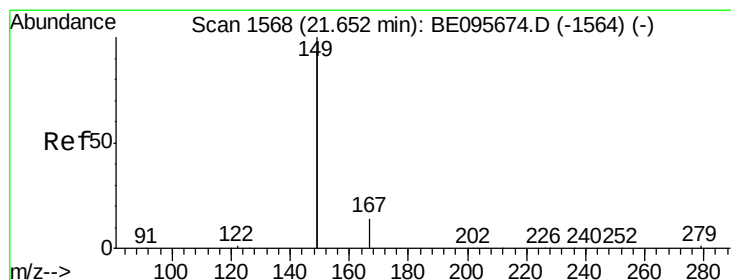
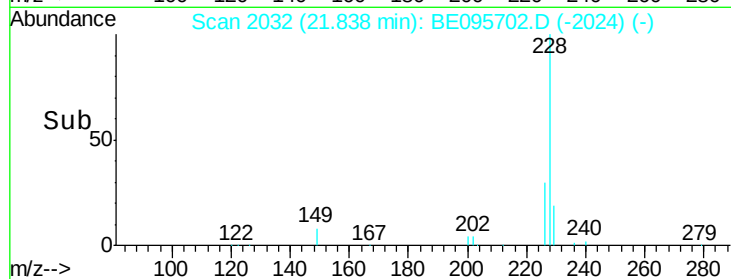
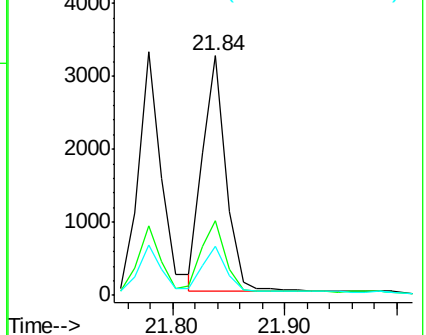
229 20.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.156 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

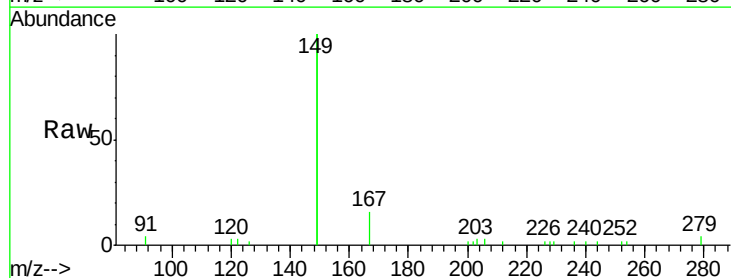
Tgt Ion:149 Resp: 6548

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

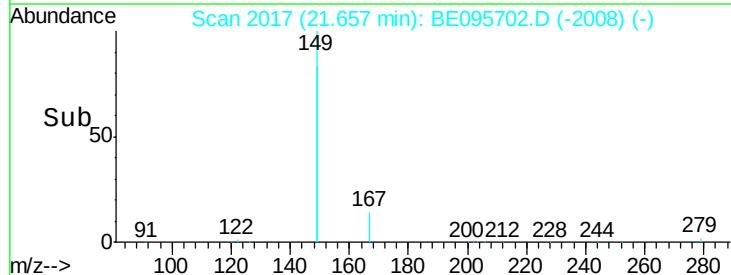
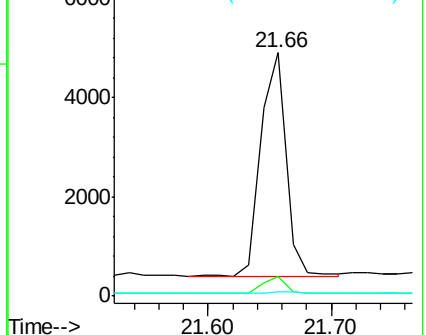
279 1.2 0.7 1.1#

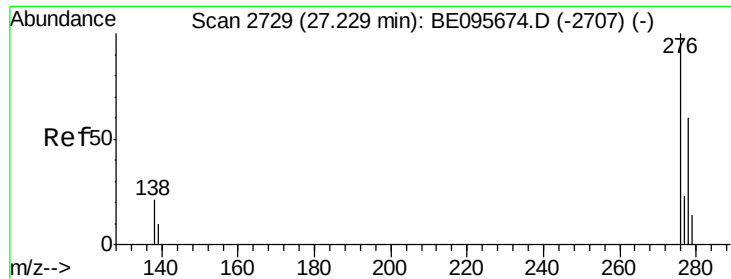


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

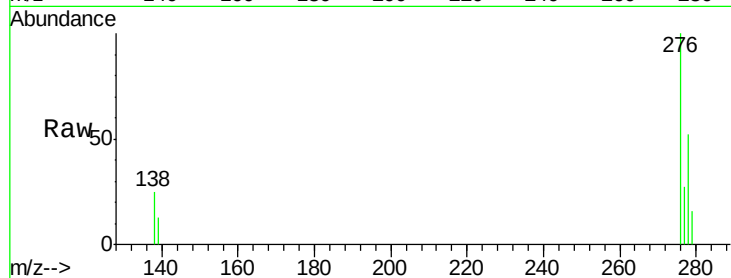




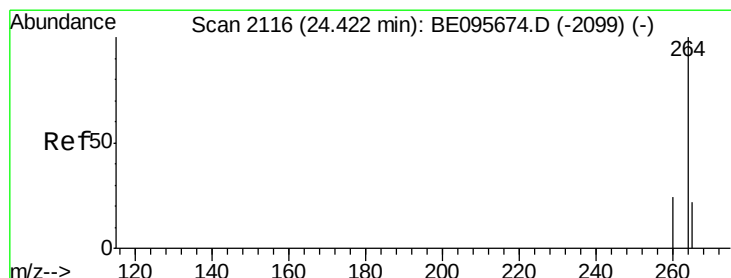
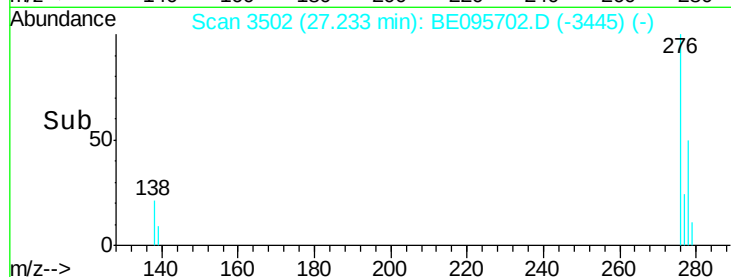
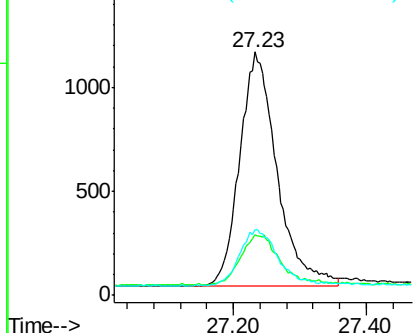
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.193 ng  
RT: 27.23 min Scan# 3502  
Delta R.T. 0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:276 Resp: 4409  
Ion Ratio Lower Upper  
276 100  
138 20.7 22.5 33.7#  
277 24.2 19.9 29.9

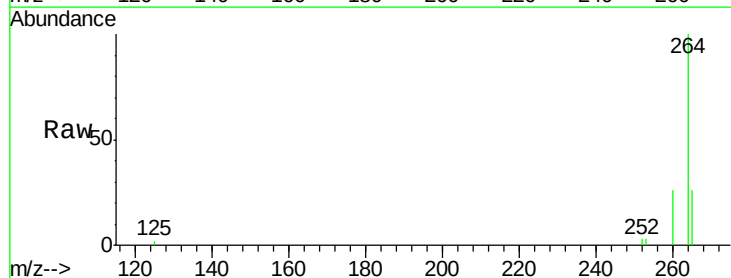


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

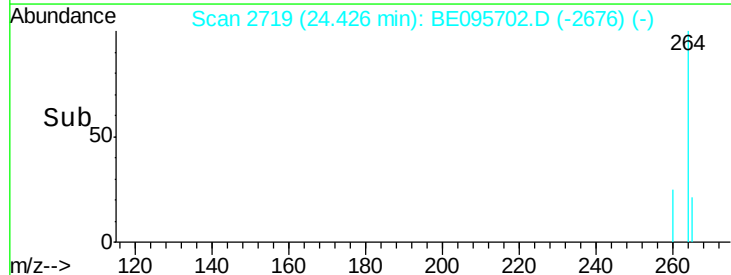
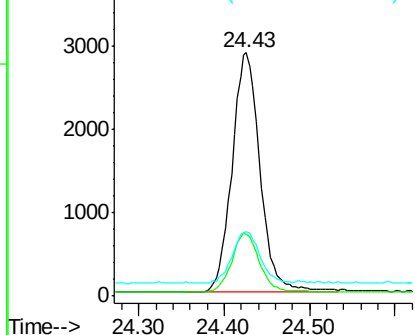


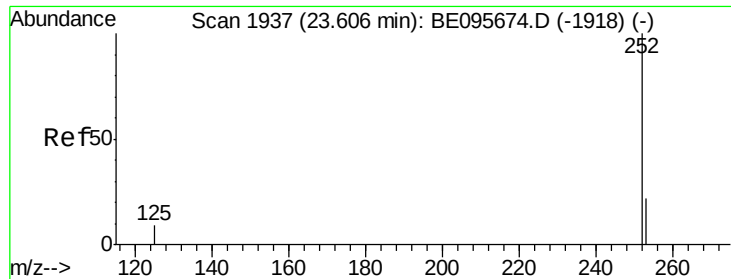
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.43 min Scan# 2719  
Delta R.T. 0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Tgt Ion:264 Resp: 6582  
Ion Ratio Lower Upper  
264 100  
260 25.6 20.5 30.7  
265 26.4 22.8 34.2



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

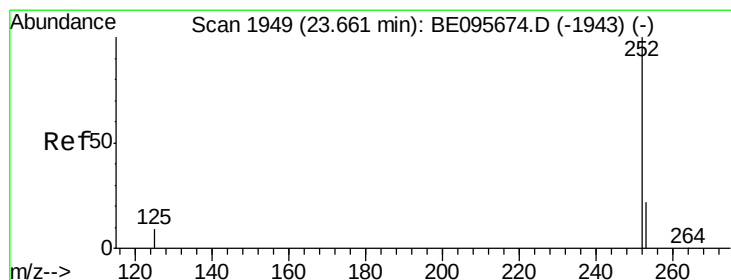
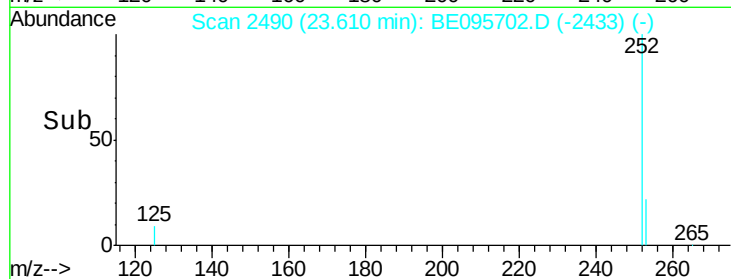
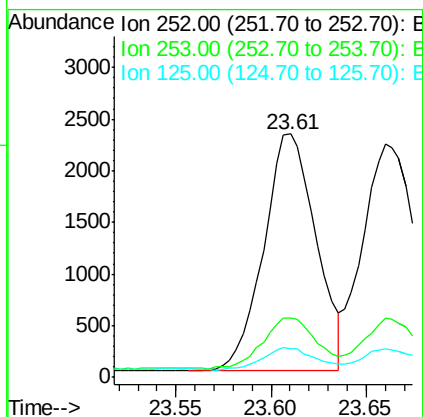
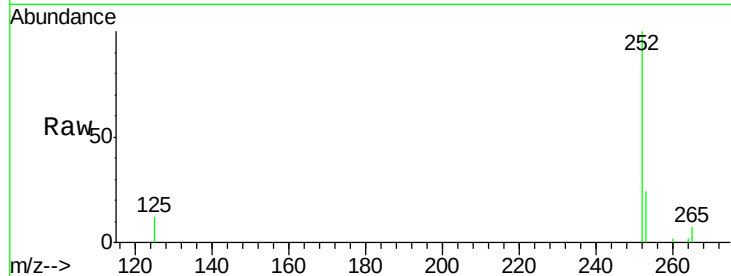




#35  
Benzo(b)fluoranthene  
Concen: 0.187 ng  
RT: 23.61 min Scan# 2490  
Delta R.T. 0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

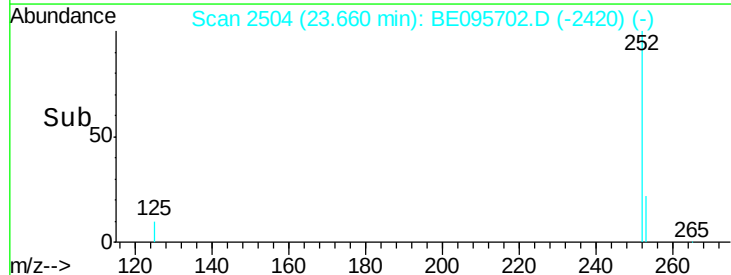
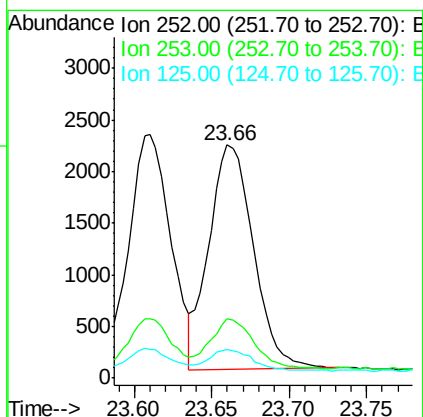
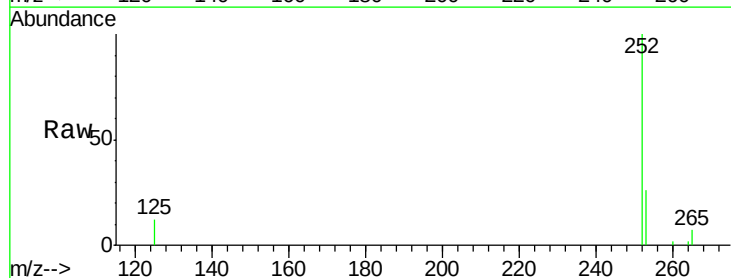
Instrument :  
BNA\_E  
ClientSampleId :

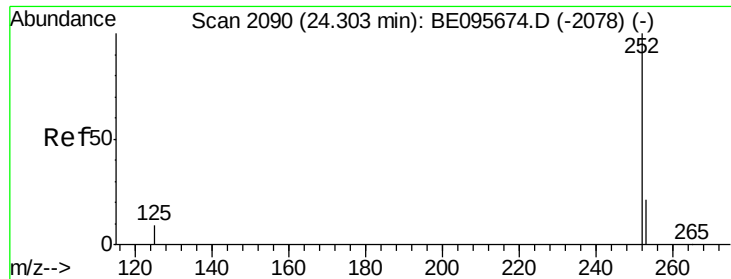
Tot Ion:252 Resp: 4389  
Ion Ratio Lower Upper  
252 100  
253 24.4 20.0 30.0  
125 11.6 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.188 ng  
RT: 23.66 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: BE095702.D  
Acq: 6 Mar 2018 17:57

Tgt Ion:252 Resp: 4380  
Ion Ratio Lower Upper  
252 100  
253 25.5 16.0 24.0#  
125 12.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.193 ng

RT: 24.31 min Scan# 2686

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

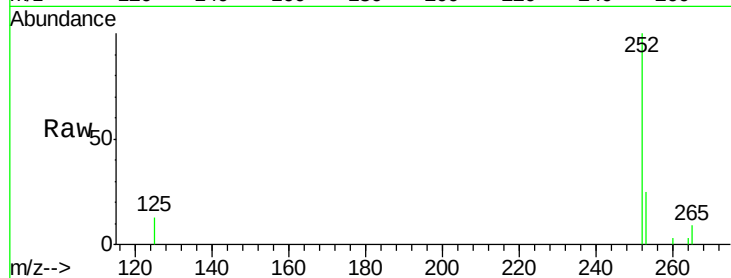
Tot Ion:252 Resp: 4085

Ion Ratio Lower Upper

252 100

253 24.7 16.0 24.0#

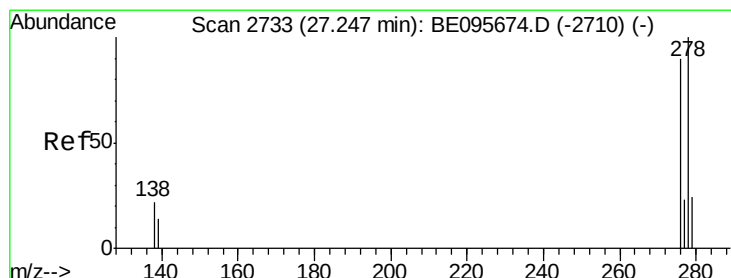
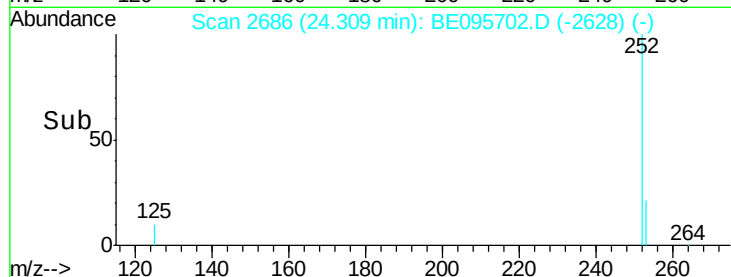
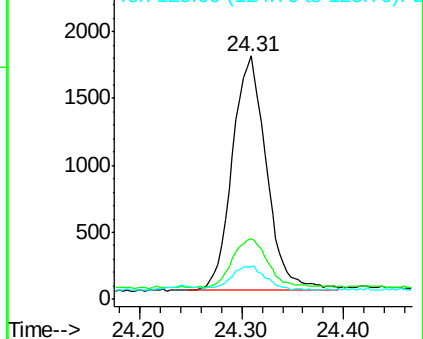
125 13.1 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.185 ng

RT: 27.25 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

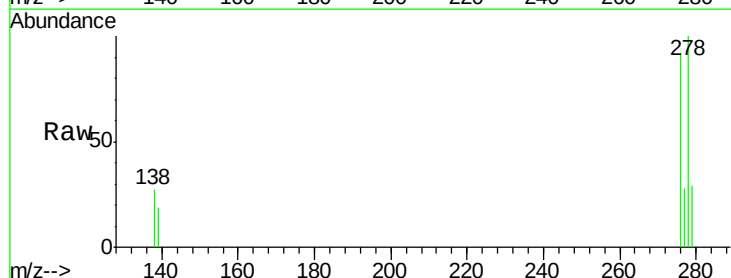
Tgt Ion:278 Resp: 3476

Ion Ratio Lower Upper

278 100

139 19.4 16.0 24.0

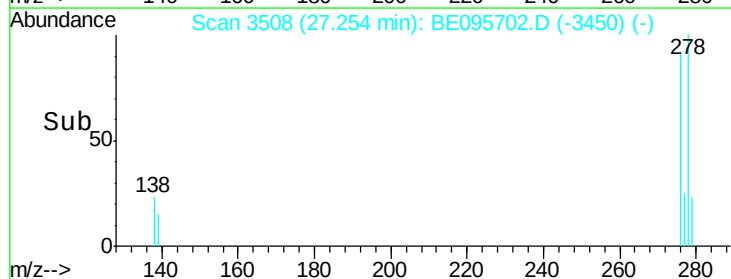
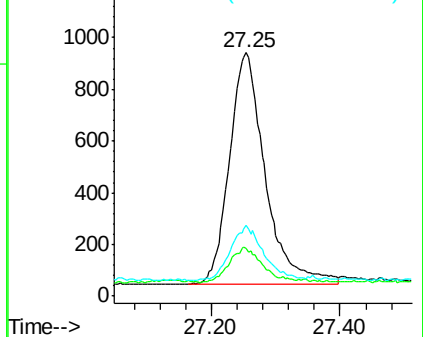
279 29.3 20.0 30.0

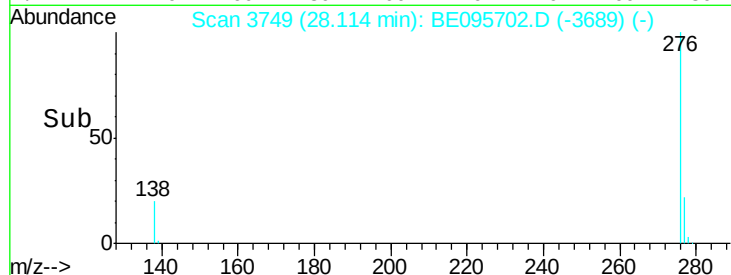
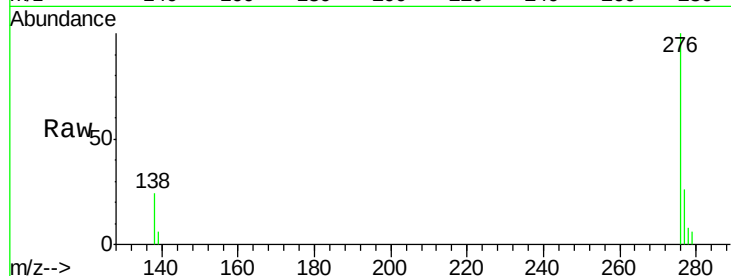
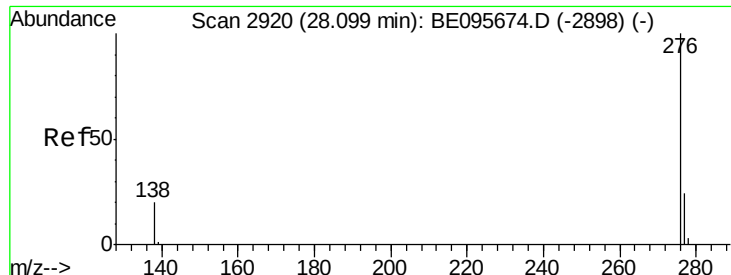


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.193 ng

RT: 28.11 min Scan# 3749

Delta R.T. 0.01 min

Lab File: BE095702.D

Acq: 6 Mar 2018 17:57

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:276 Resp: 3898

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 24.3 20.0 30.0

