

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041118\  
 Data File : BE095972.D  
 Acq On : 11 Apr 2018 15:58  
 Operator : SJ/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 11 16:34:31 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 11 15:27:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.39  | 152  | 1242     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.22 | 136  | 4680     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.97 | 164  | 2585     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.68 | 188  | 6069     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.78 | 240  | 7161     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.39 | 264  | 6799     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.89  | 112  | 6252     | 1.53 | ng    | 0.00     |
| 5) Phenol-d6                | 7.53  | 99   | 8634     | 1.53 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.57  | 82   | 9078     | 1.64 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.76 | 152  | 12065    | 1.54 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.44 | 330  | 2148     | 1.44 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.61 | 172  | 17819    | 1.64 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.66 | 212  | 136971   | 1.52 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.22 | 244  | 25658    | 1.69 | ng    | 0.00     |

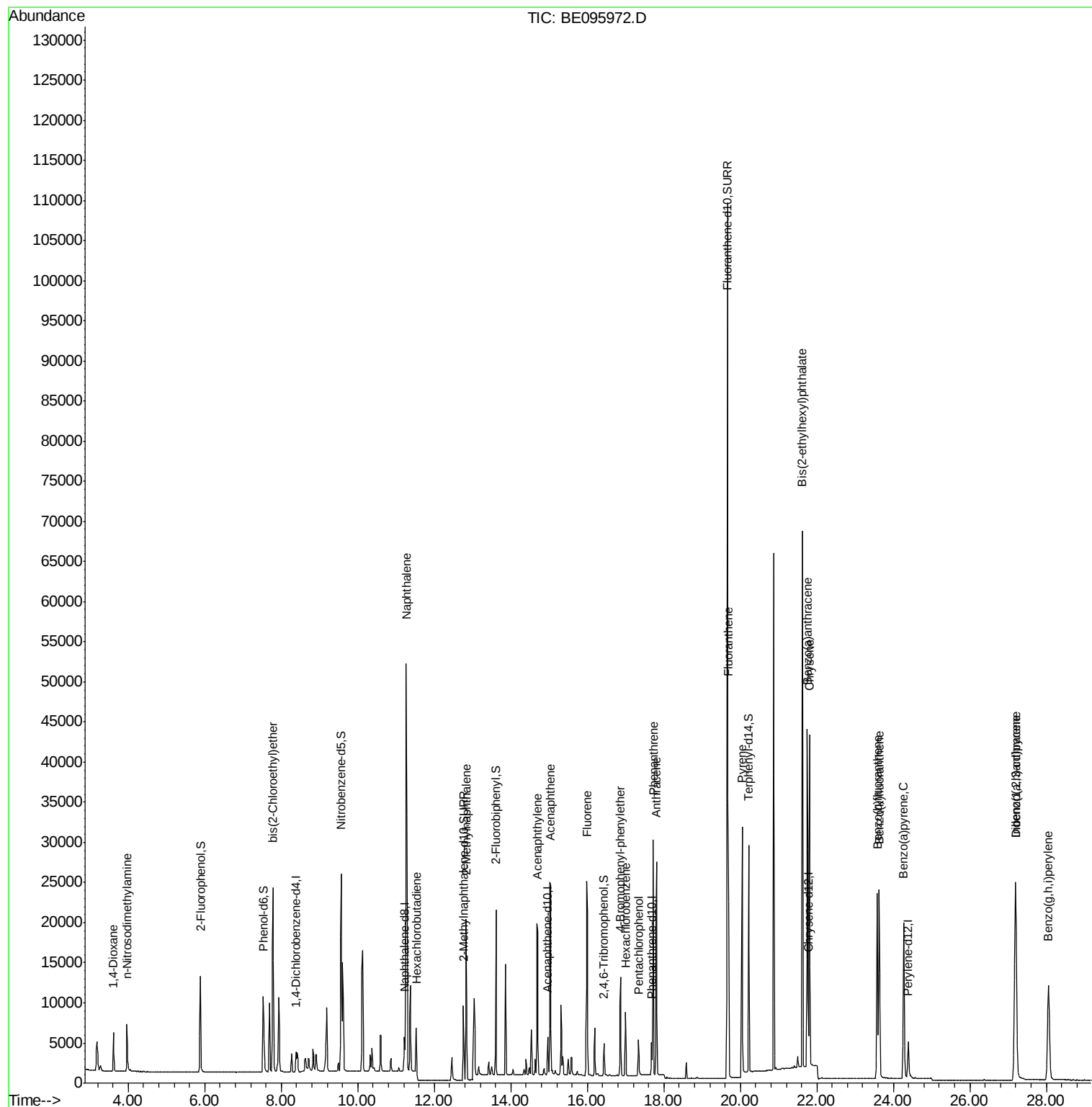
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.62  | 88   | 3058     | 1.504 | ng    | # 88   |
| 3) n-Nitrosodimethylamine      | 3.97  | 42   | 4083     | 1.368 | ng    | # 84   |
| 6) bis(2-Chloroethyl)ether     | 7.78  | 93   | 7593     | 1.563 | ng    | 95     |
| 9) Naphthalene                 | 11.27 | 128  | 80195    | 1.500 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.53 | 225  | 3079     | 0.839 | ng    | 94     |
| 12) 2-Methylnaphthalene        | 12.84 | 142  | 13477    | 1.476 | ng    | 97     |
| 16) Acenaphthylene             | 14.69 | 152  | 22815    | 1.543 | ng    | 99     |
| 17) Acenaphthene               | 15.04 | 154  | 13875    | 1.539 | ng    | 98     |
| 18) Fluorene                   | 15.99 | 166  | 16819    | 1.418 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 16.87 | 248  | 5941     | 1.628 | ng    | # 85   |
| 21) Hexachlorobenzene          | 17.00 | 284  | 5847     | 1.605 | ng    | # 80   |
| 22) Pentachlorophenol          | 17.33 | 266  | 2331     | 2.213 | ng    | # 72   |
| 23) Phenanthrene               | 17.72 | 178  | 28064    | 1.545 | ng    | 99     |
| 24) Anthracene                 | 17.81 | 178  | 27543    | 1.516 | ng    | 95     |
| 26) Fluoranthene               | 19.69 | 202  | 37651    | 1.492 | ng    | 97     |
| 28) Pyrene                     | 20.05 | 202  | 20043    | 0.687 | ng    | 97     |
| 30) Benzo(a)anthracene         | 21.75 | 228  | 37410    | 1.506 | ng    | 98     |
| 31) Chrysene                   | 21.81 | 228  | 35141    | 1.551 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 95955    | 1.263 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 27.19 | 276  | 35261    | 1.444 | ng    | 95     |
| 35) Benzo(b)fluoranthene       | 23.58 | 252  | 33272    | 1.479 | ng    | # 87   |
| 36) Benzo(k)fluoranthene       | 23.63 | 252  | 33832    | 1.504 | ng    | 97     |
| 37) Benzo(a)pyrene             | 24.27 | 252  | 31861    | 1.511 | ng    | # 94   |
| 38) Dibenzo(a,h)anthracene     | 27.20 | 278  | 28737    | 1.435 | ng    | # 95   |
| 39) Benzo(g,h,i)perylene       | 28.05 | 276  | 29504    | 1.466 | ng    | 92     |

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

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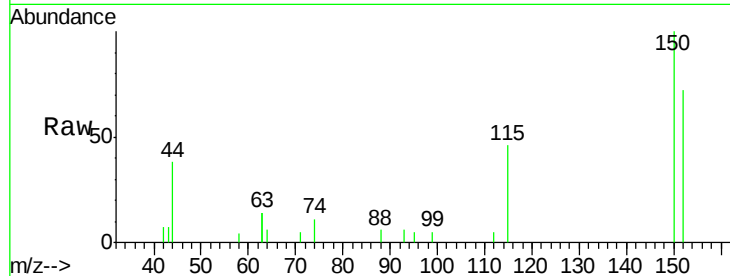


#1

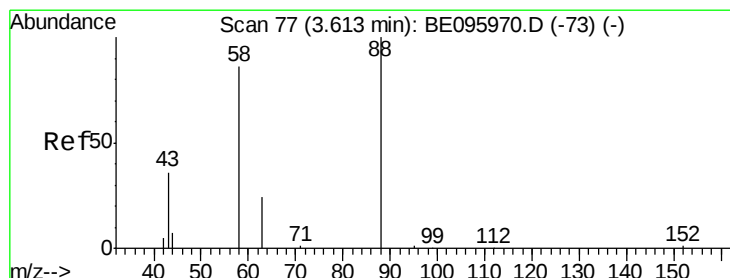
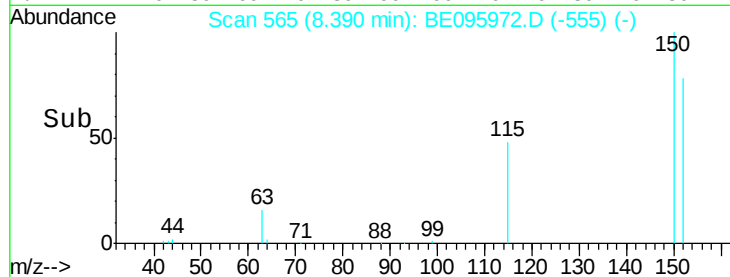
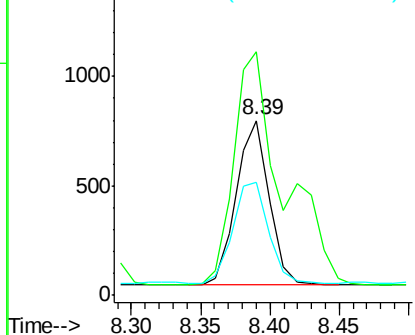
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.39 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: BE095972.D  
Acq: 11 Apr 2018 15:58

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 1242  
Ion Ratio Lower Upper  
152 100  
150 139.0 117.2 175.8  
115 64.4 57.0 85.6



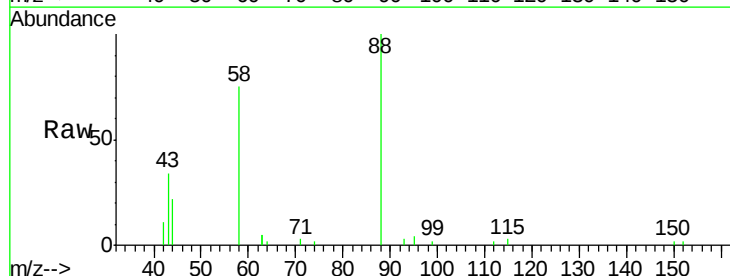
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



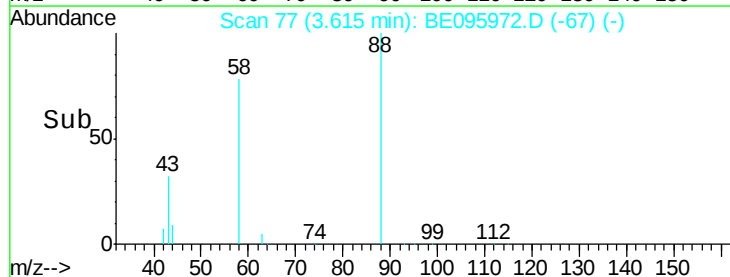
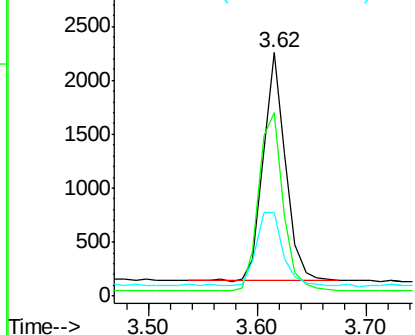
#2

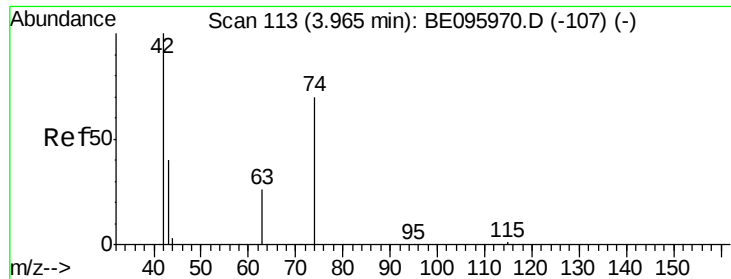
1,4-Dioxane  
Concen: 1.504 ng  
RT: 3.62 min Scan# 77  
Delta R.T. 0.00 min  
Lab File: BE095972.D  
Acq: 11 Apr 2018 15:58

Tgt Ion: 88 Resp: 3058  
Ion Ratio Lower Upper  
88 100  
58 85.4 63.2 94.8  
43 38.8 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



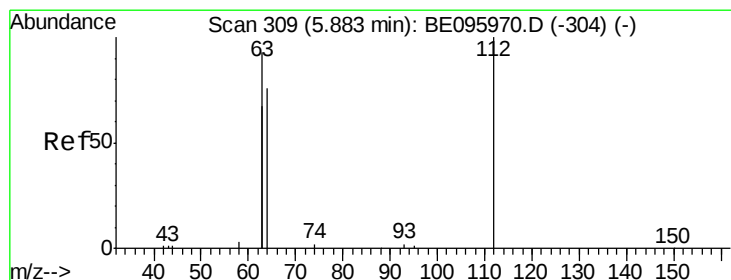
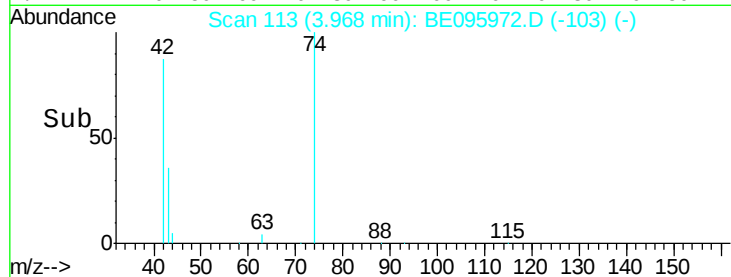
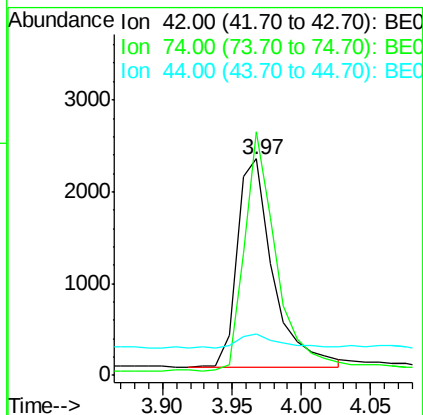
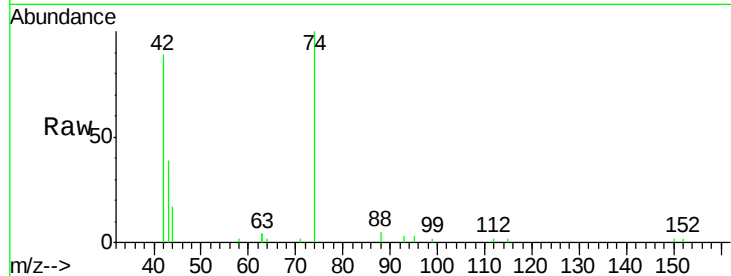


#3

n-Nitrosodimethylamine  
 Concen: 1.368 ng  
 RT: 3.97 min Scan# 113  
 Delta R.T. 0.00 min  
 Lab File: BE095972.D  
 Acq: 11 Apr 2018 15:58

Instrument :  
 BNA\_E  
 ClientSampleId :

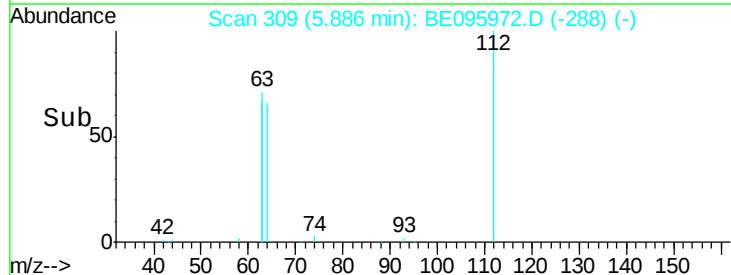
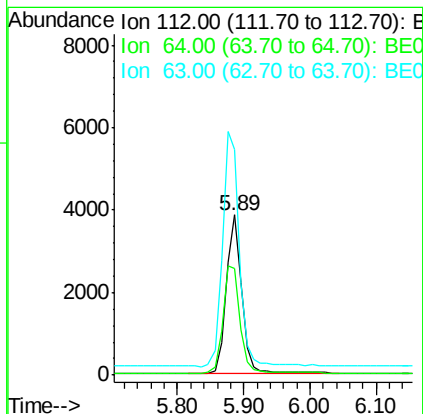
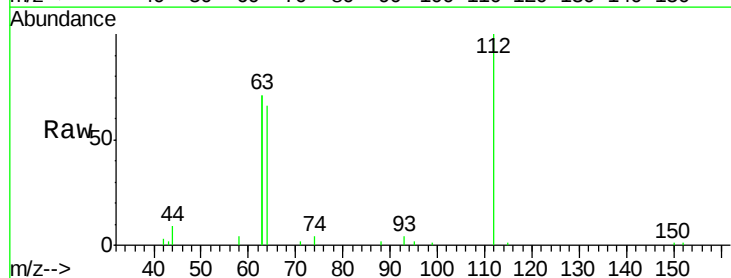
Tot Ion: 42 Resp: 4083  
 Ion Ratio Lower Upper  
 42 100  
 74 101.7 96.0 144.0  
 44 8.7 12.0 18.0#

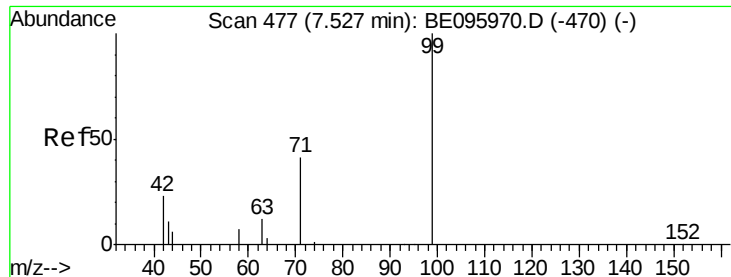


#4

2-Fluorophenol  
 Concen: 1.527 ng  
 RT: 5.89 min Scan# 309  
 Delta R.T. 0.00 min  
 Lab File: BE095972.D  
 Acq: 11 Apr 2018 15:58

Tgt Ion: 112 Resp: 6252  
 Ion Ratio Lower Upper  
 112 100  
 64 74.9 60.1 90.1  
 63 161.1 116.8 175.2





#5

Phenol-d6

Concen: 1.534 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

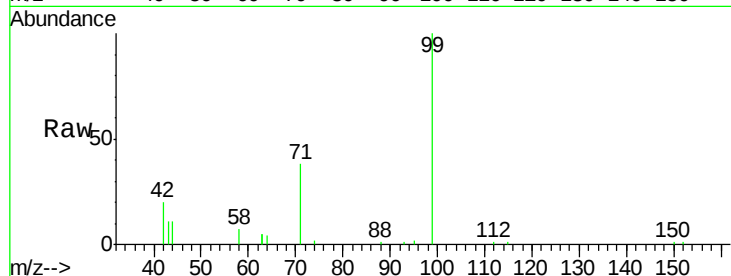
Tot Ion: 99 Resp: 8634

Ion Ratio Lower Upper

99 100

42 26.2 20.2 30.2

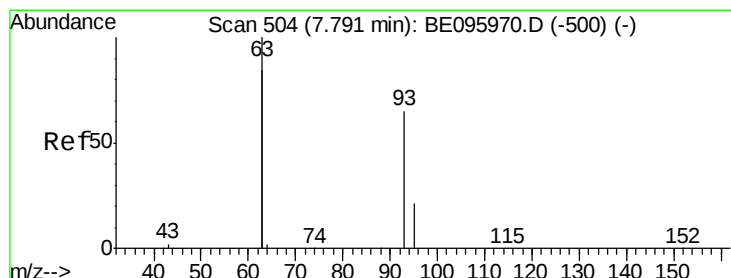
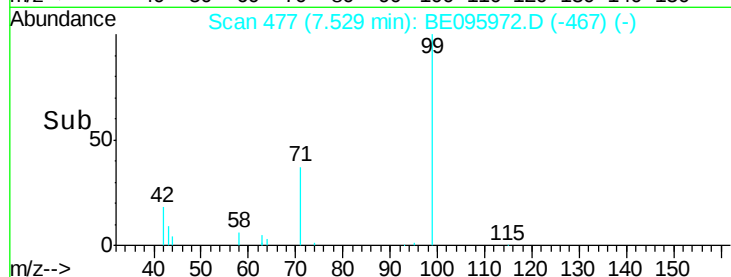
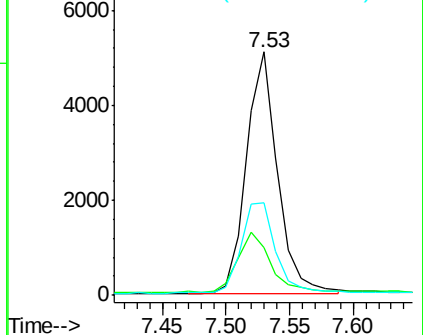
71 41.7 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 1.563 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.01 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

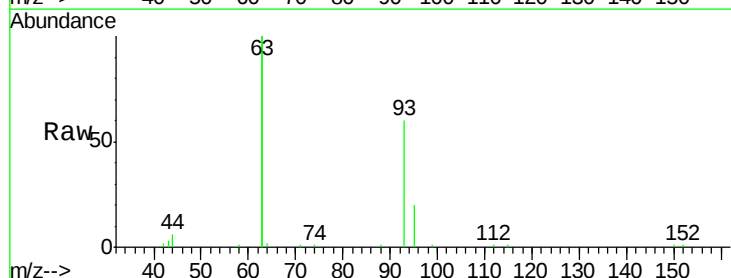
Tgt Ion: 93 Resp: 7593

Ion Ratio Lower Upper

93 100

63 331.6 275.3 412.9

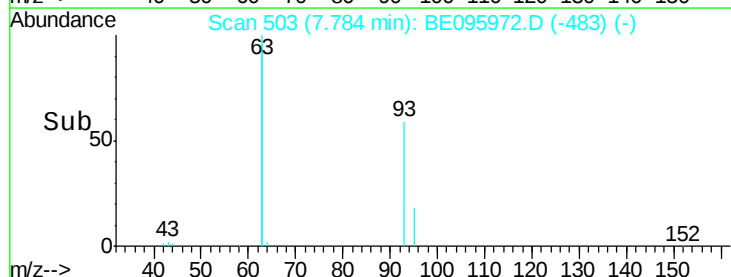
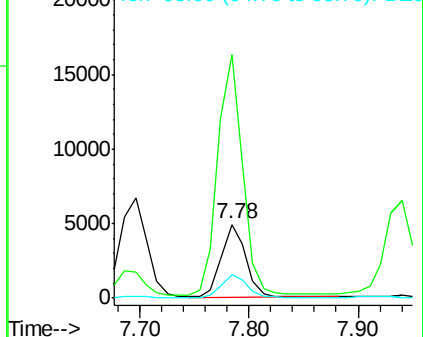
95 31.9 25.2 37.8

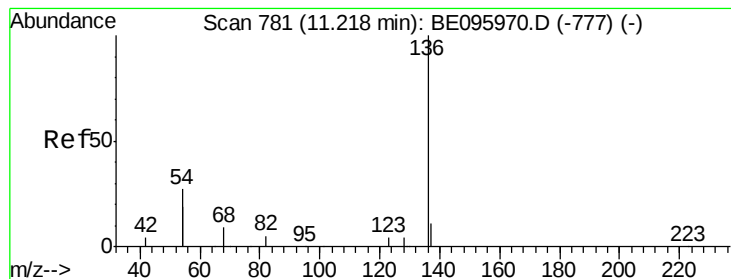


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095972.D

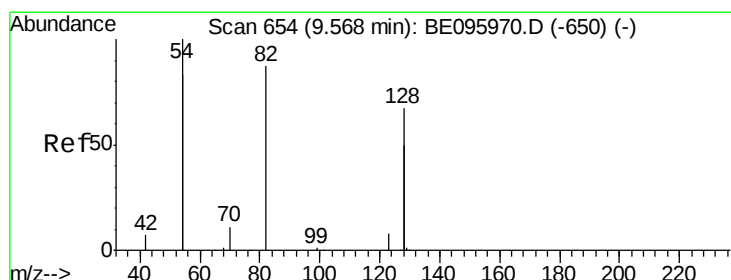
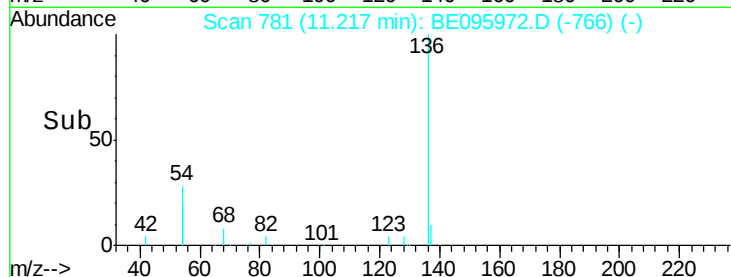
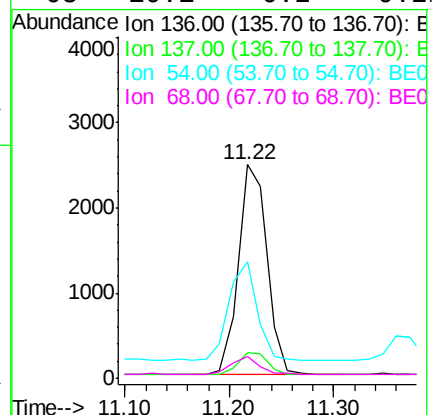
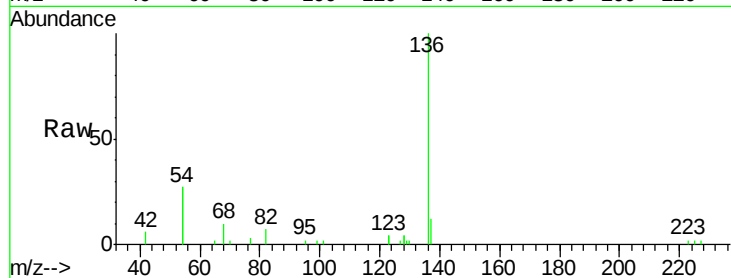
Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 4680        |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.0  | 9.5 14.3    |
| 54          | 54.4  | 29.1 43.7#  |
| 68          | 10.1  | 6.2 9.2#    |



#8

Nitrobenzene-d5

Concen: 1.642 ng

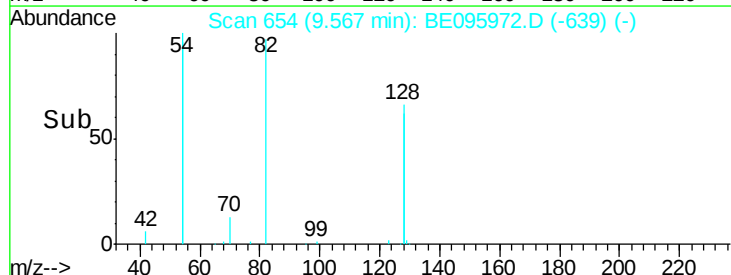
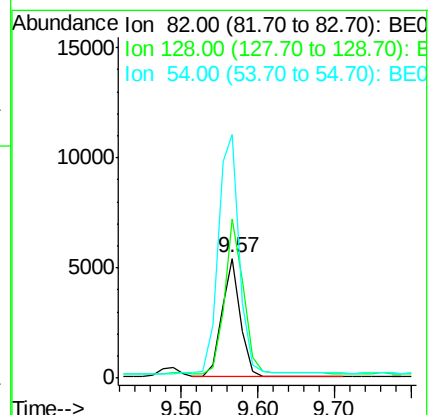
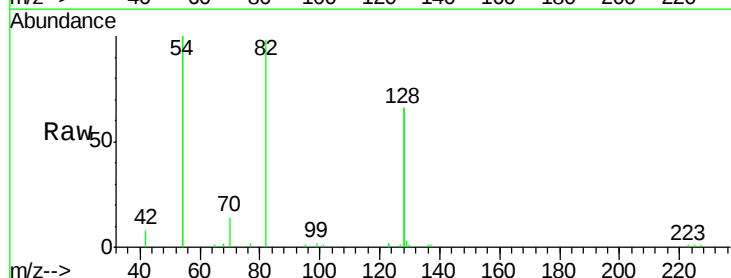
RT: 9.57 min Scan# 654

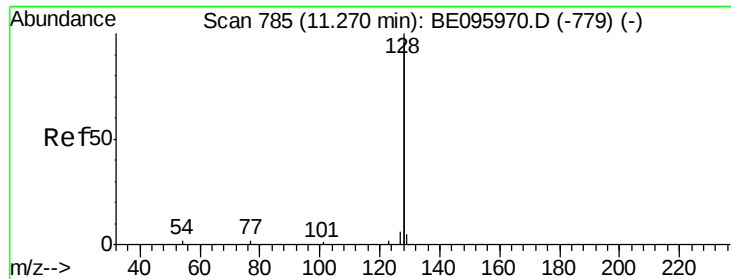
Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

|             |       |              |
|-------------|-------|--------------|
| Tgt Ion: 82 | Resp: | 9078         |
| Ion         | Ratio | Lower Upper  |
| 82          | 100   |              |
| 128         | 133.4 | 150.0 225.0# |
| 54          | 203.6 | 154.2 231.4  |





#9

Naphthalene

Concen: 1.500 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

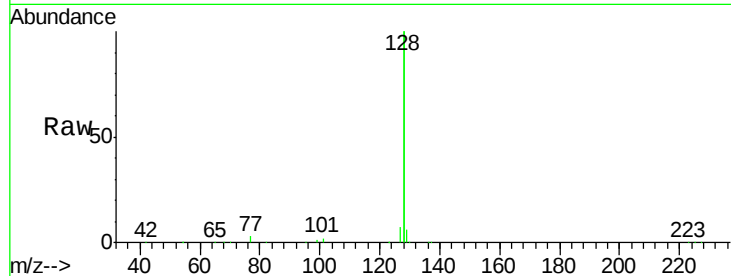
Tot Ion:128 Resp: 80195

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

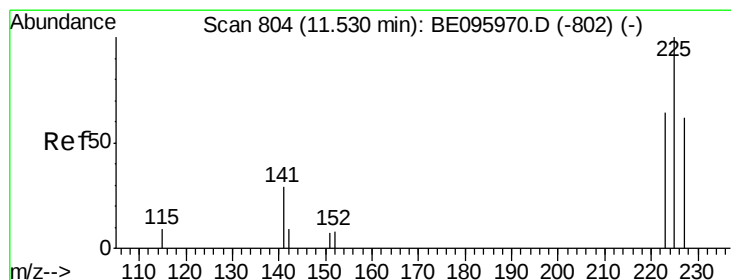
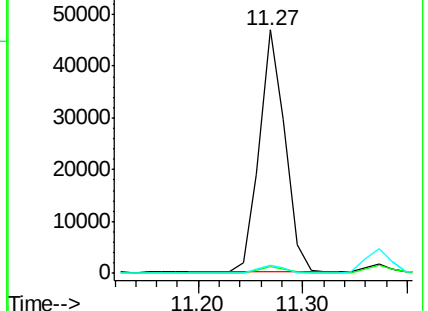
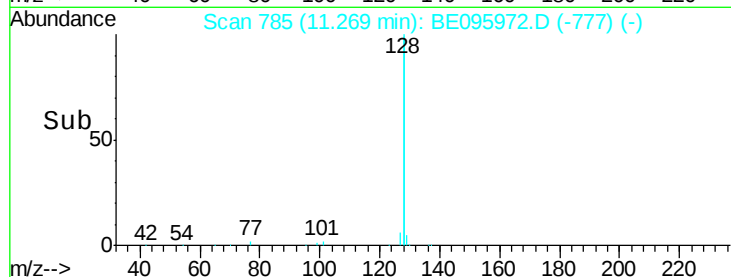
127 3.3 2.8 4.2



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: 0.839 ng

RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

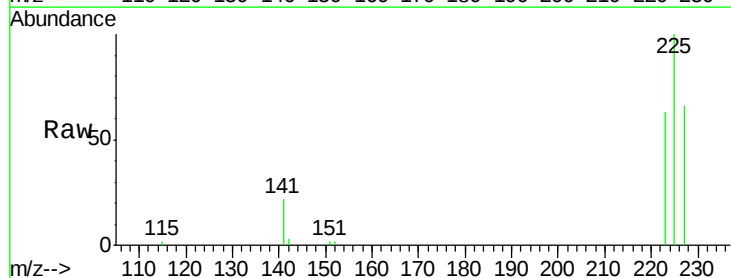
Tgt Ion:225 Resp: 3079

Ion Ratio Lower Upper

225 100

223 65.5 53.0 79.6

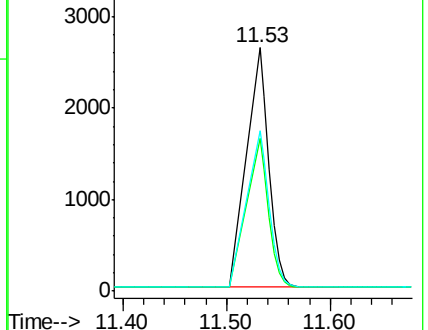
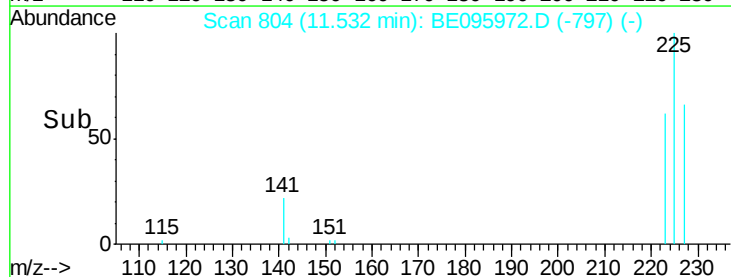
227 73.8 51.4 77.2

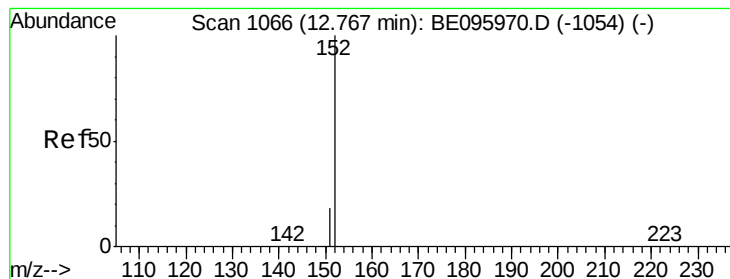


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.545 ng

RT: 12.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

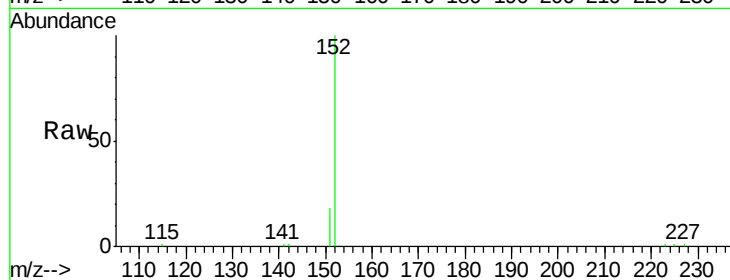
ClientSampleId :

Tot Ion:152 Resp: 12065

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.76

8000

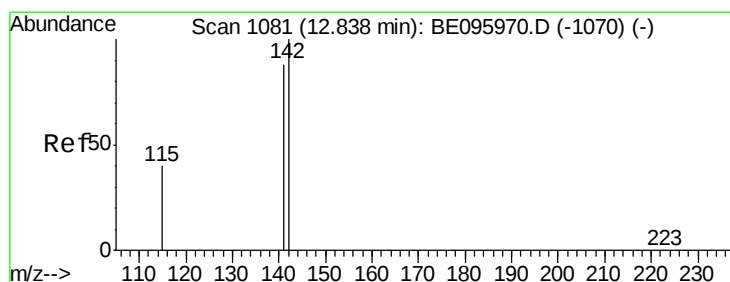
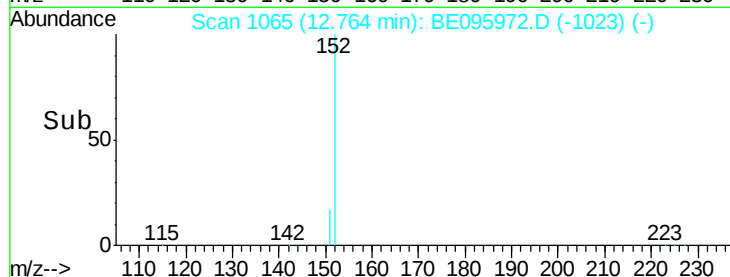
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 1.476 ng

RT: 12.84 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

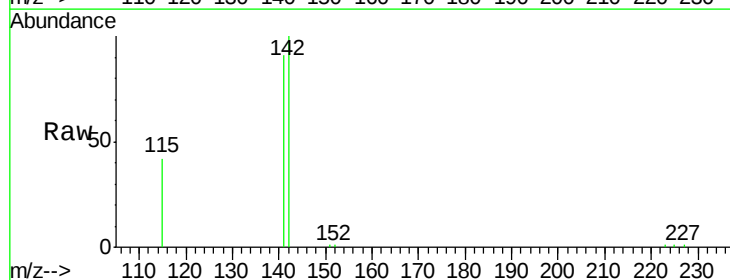
Tgt Ion:142 Resp: 13477

Ion Ratio Lower Upper

142 100

141 91.1 70.4 105.6

115 41.9 31.7 47.5



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

12000

10000

8000

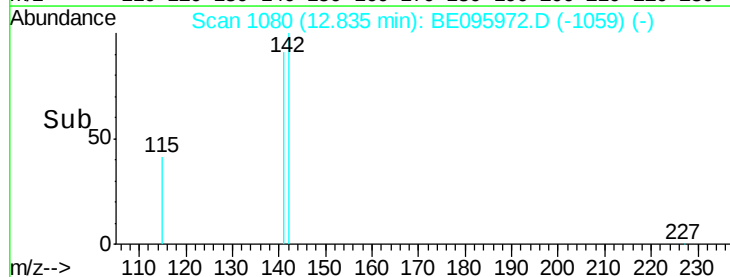
6000

4000

2000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

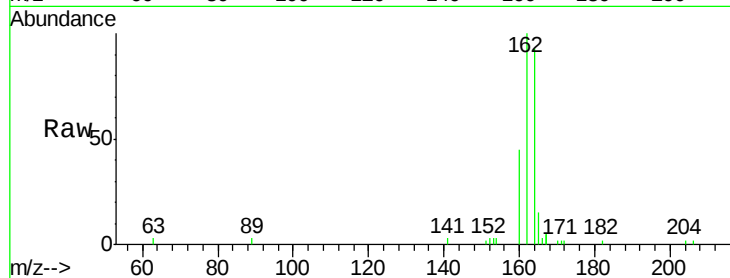
Tot Ion:164 Resp: 2585

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

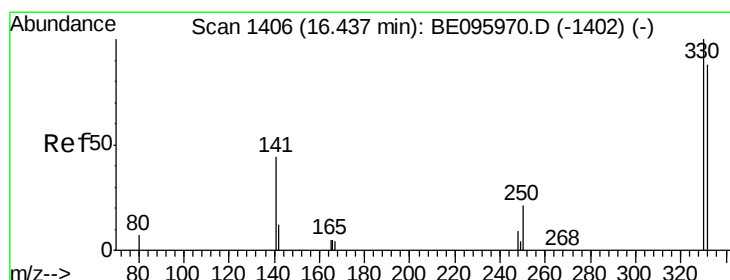
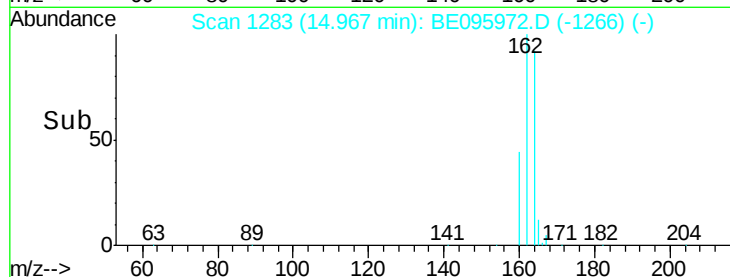
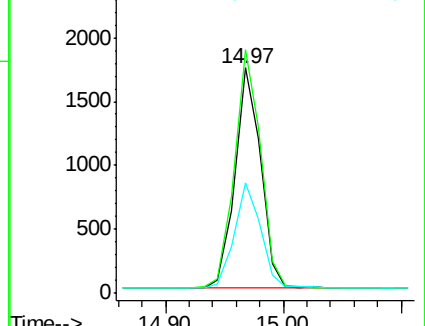
160 48.9 37.1 55.7



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: 1.440 ng

RT: 16.44 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

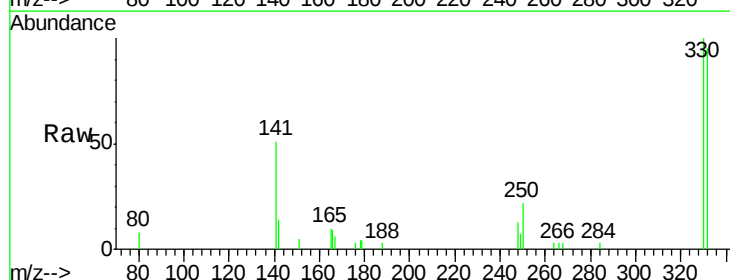
Tgt Ion:330 Resp: 2148

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

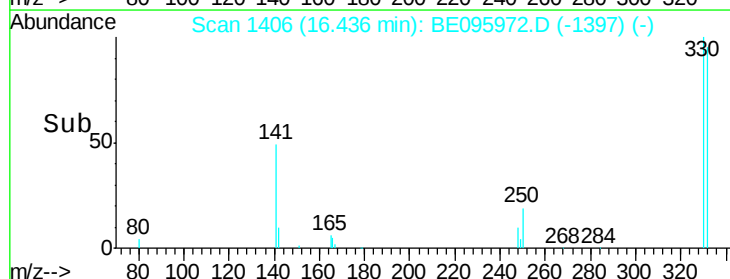
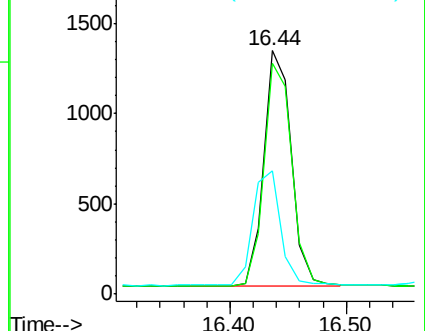
141 48.6 33.7 50.5

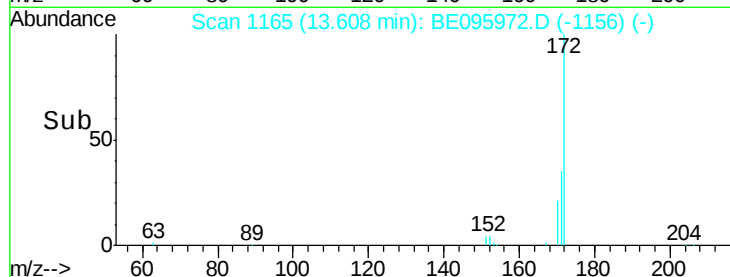
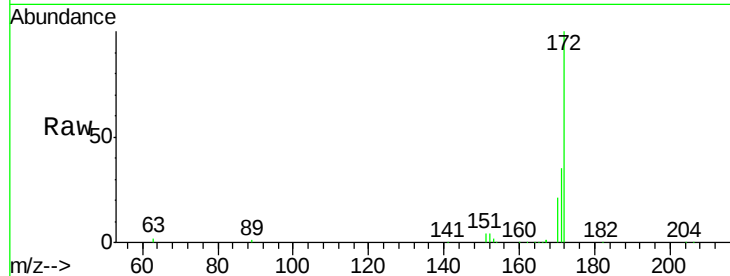
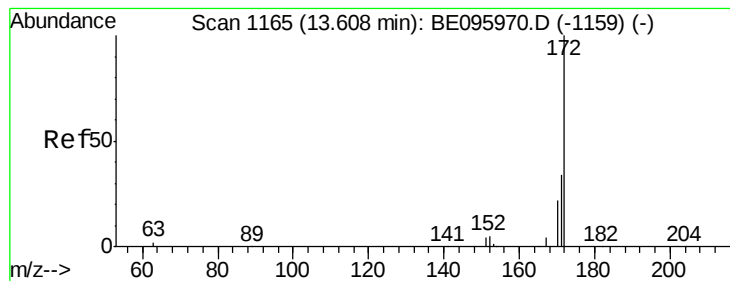


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 1.636 ng

RT: 13.61 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

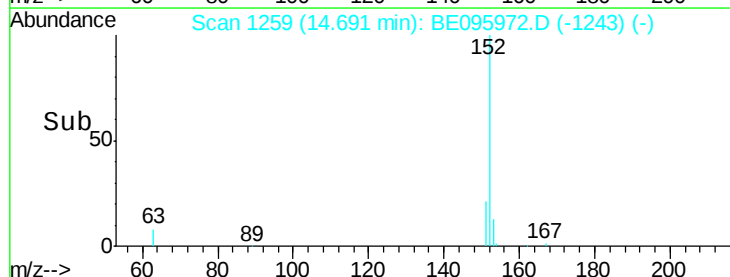
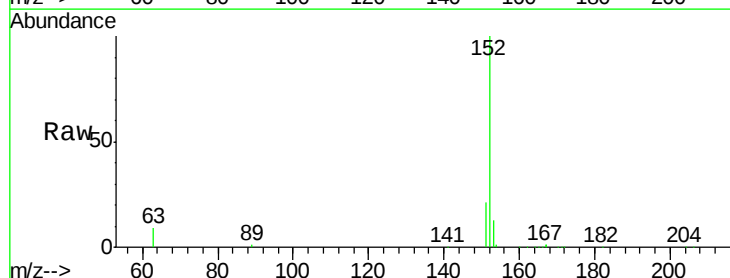
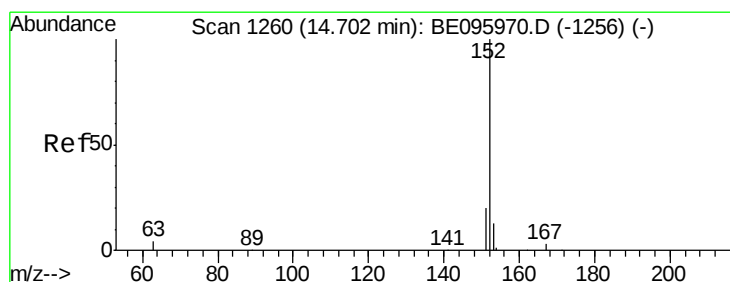
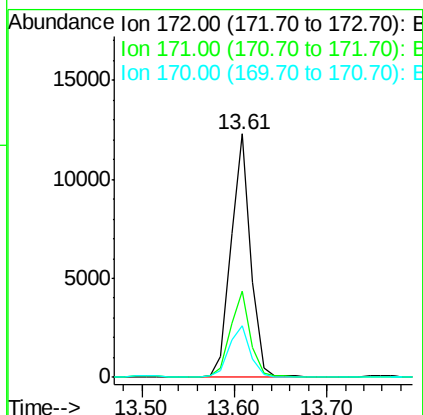
Tot Ion:172 Resp: 17819

Ion Ratio Lower Upper

172 100

171 35.3 29.9 44.9

170 21.4 21.8 32.8#



#16

Acenaphthylene

Concen: 1.543 ng

RT: 14.69 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

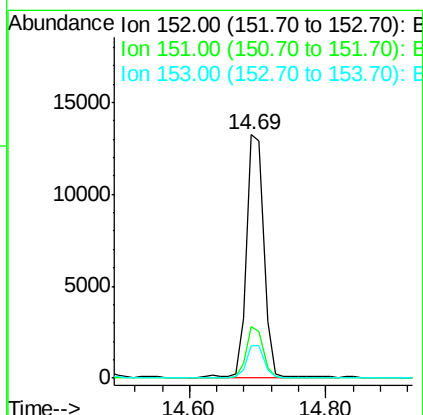
Tgt Ion:152 Resp: 22815

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 1.539 ng

RT: 15.04 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

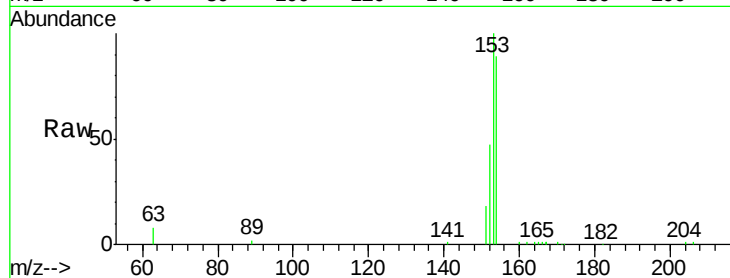
Tot Ion:154 Resp: 13875

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

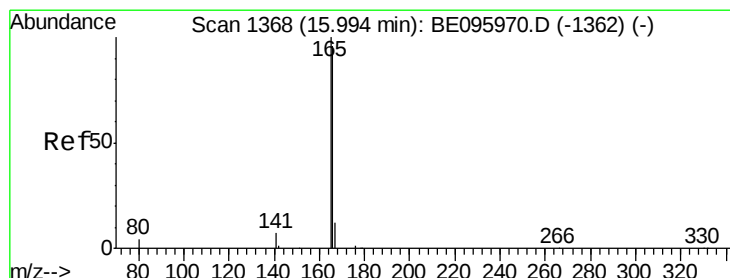
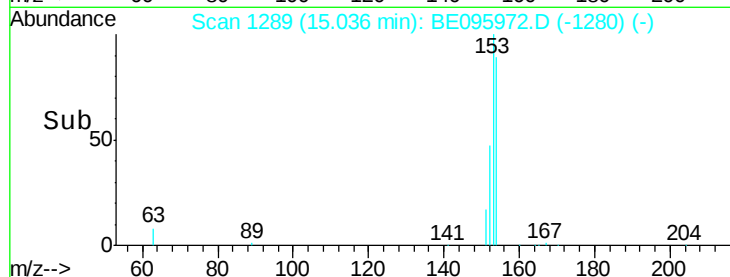
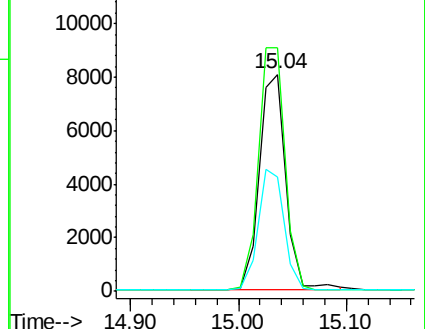
152 54.7 42.0 63.0



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



#18

Fluorene

Concen: 1.418 ng

RT: 15.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

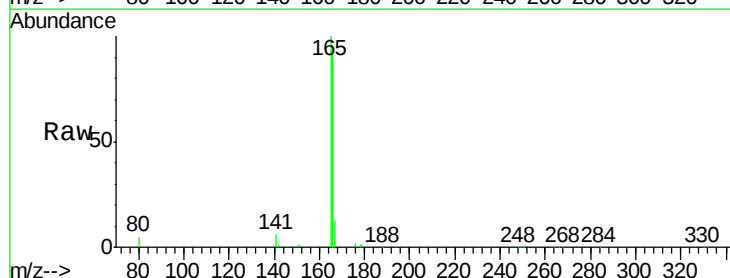
Tgt Ion:166 Resp: 16819

Ion Ratio Lower Upper

166 100

165 100.8 77.8 116.6

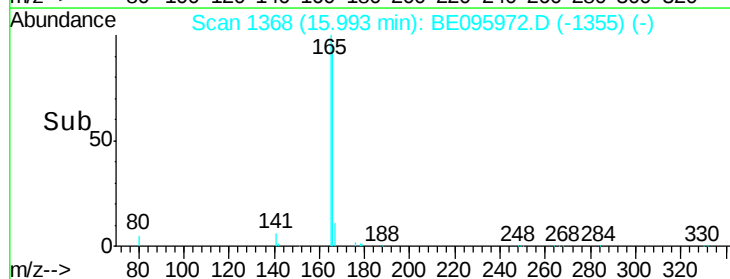
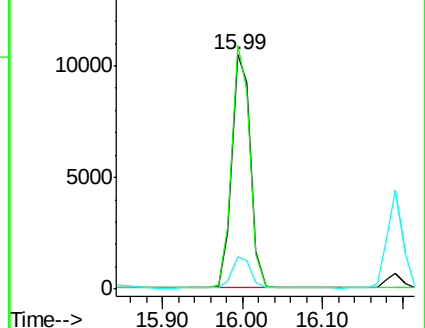
167 13.5 42.4 63.6#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

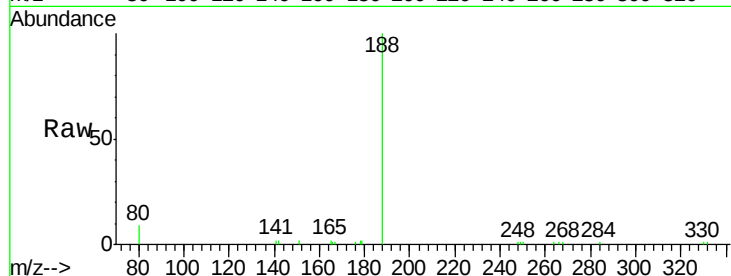
Tot Ion:188 Resp: 6069

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

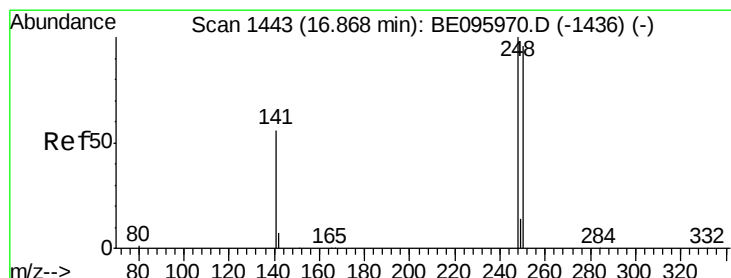
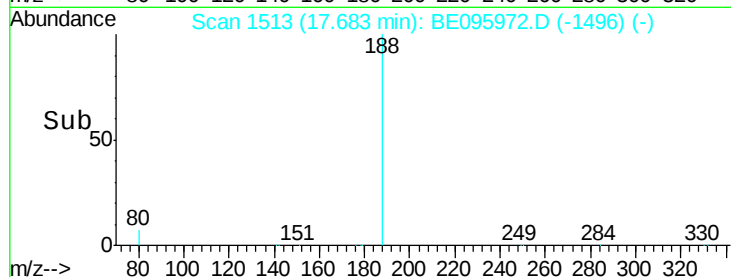
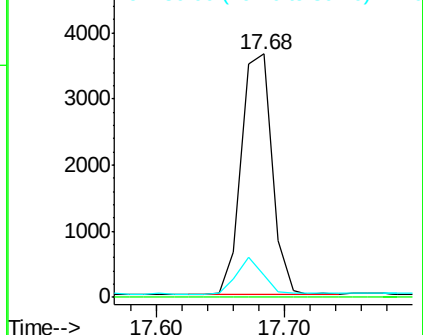
80 8.8 3.6 5.4#



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: 1.628 ng

RT: 16.87 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

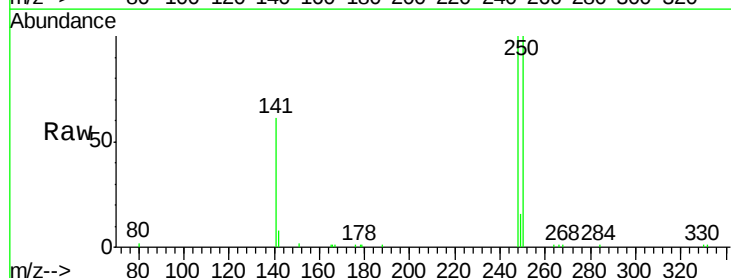
Tgt Ion:248 Resp: 5941

Ion Ratio Lower Upper

248 100

250 100.2 62.7 94.1#

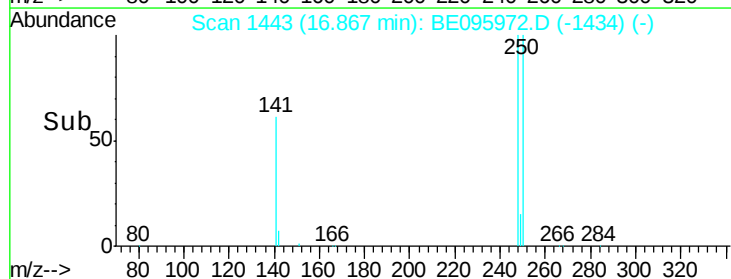
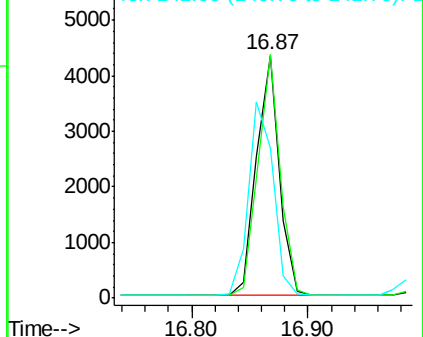
141 61.6 48.2 72.2



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: 1.605 ng

RT: 17.00 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

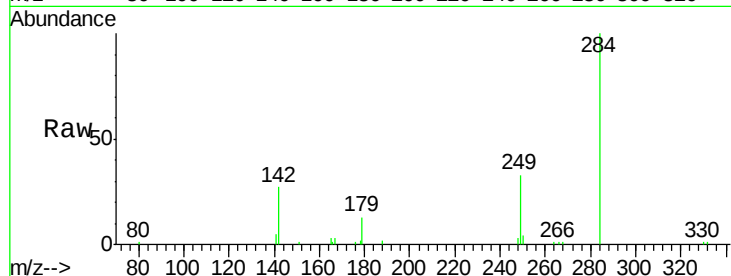
Tot Ion:284 Resp: 5847

Ion Ratio Lower Upper

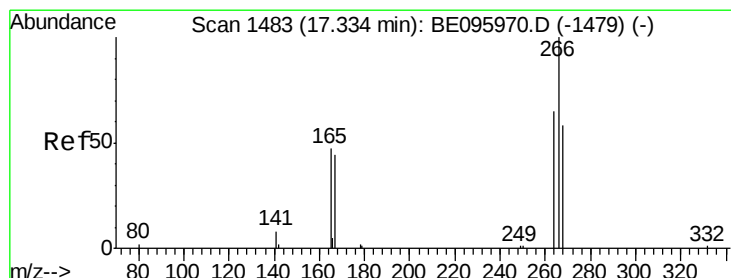
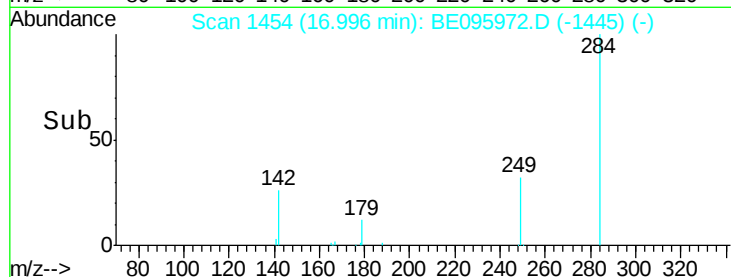
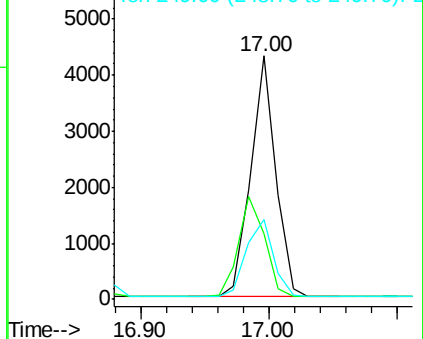
284 100

142 43.4 22.1 33.1#

249 35.0 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: 2.213 ng

RT: 17.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

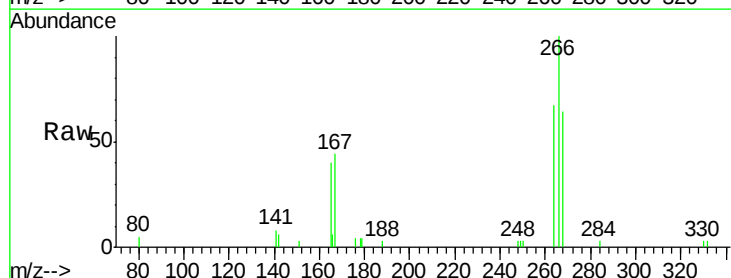
Tgt Ion:266 Resp: 2331

Ion Ratio Lower Upper

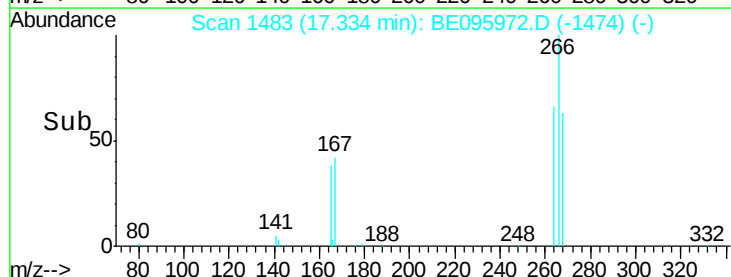
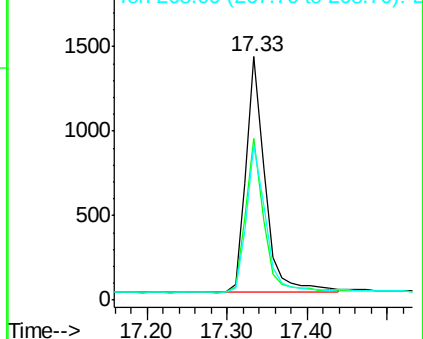
266 100

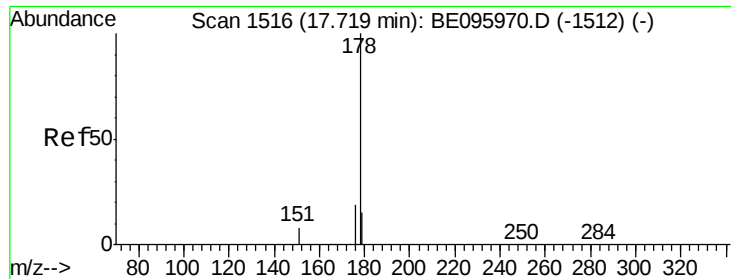
264 66.6 72.5 108.7#

268 63.8 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: 1.545 ng

RT: 17.72 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

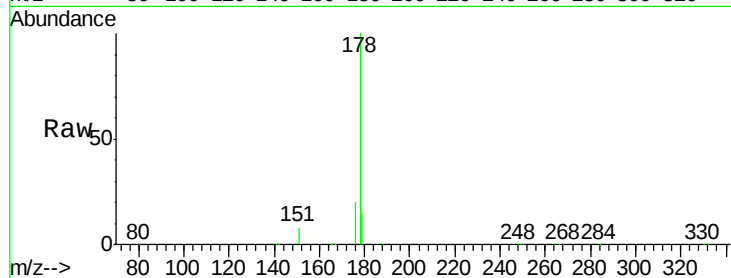
Tot Ion:178 Resp: 28064

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

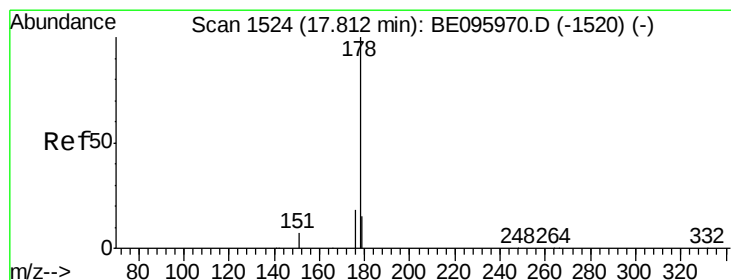
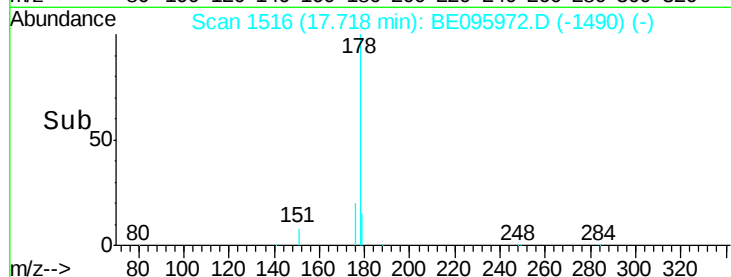
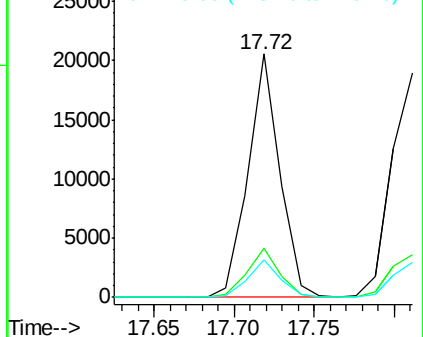
179 15.0 11.8 17.6



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: 1.516 ng

RT: 17.81 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

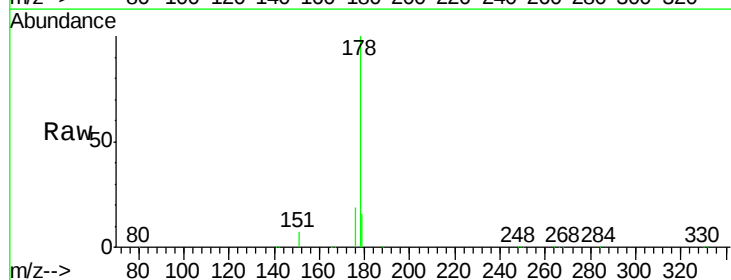
Tgt Ion:178 Resp: 27543

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

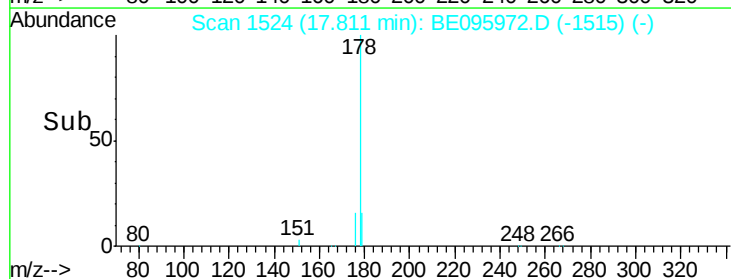
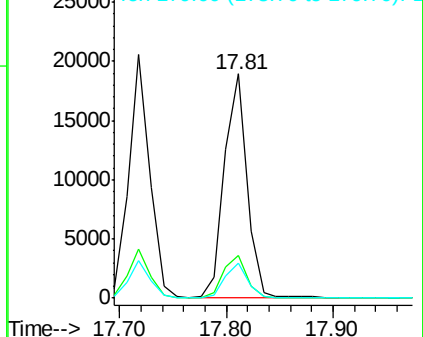
179 15.2 13.0 19.6

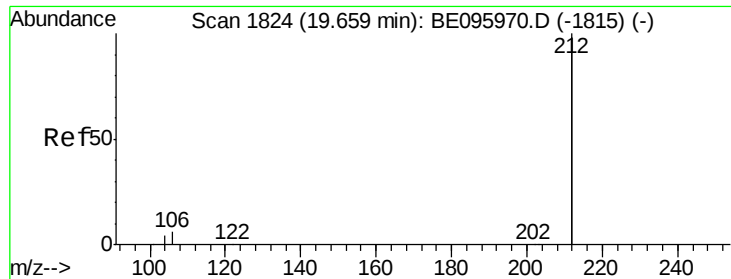


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.520 ng

RT: 19.66 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

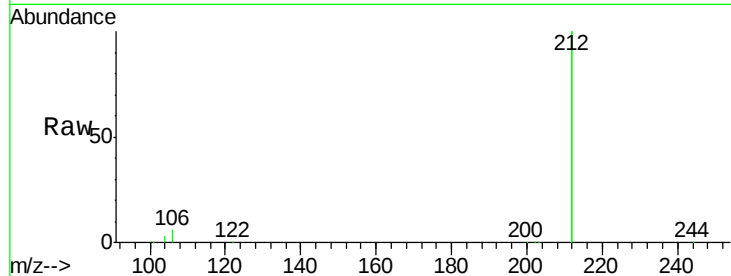
Tot Ion:212 Resp: 136971

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

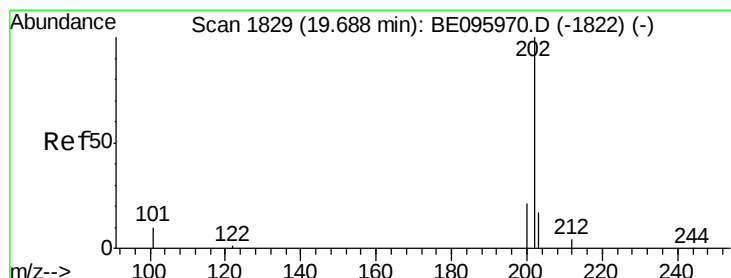
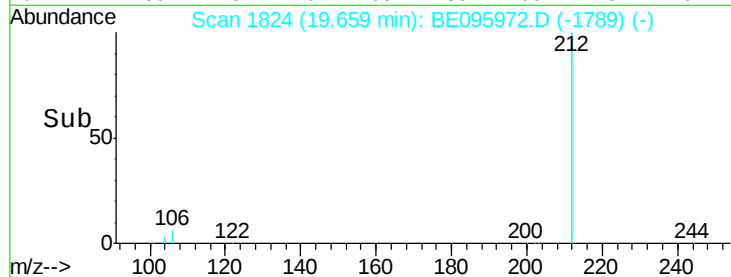
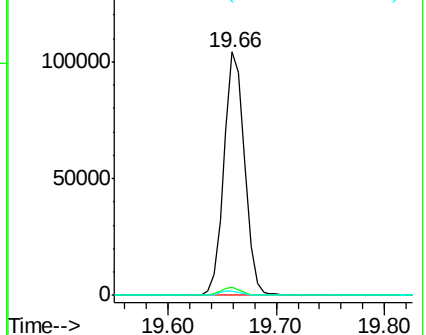
104 1.7 1.6 2.4



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: 1.492 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

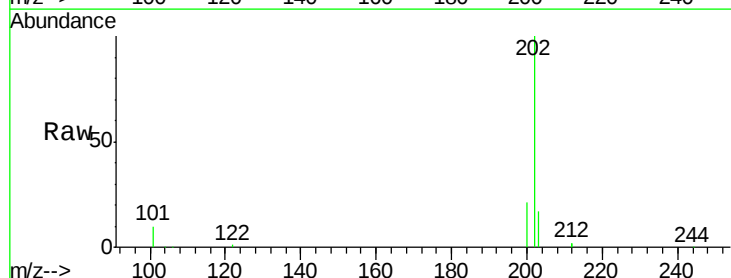
Tgt Ion:202 Resp: 37651

Ion Ratio Lower Upper

202 100

101 10.2 9.8 14.8

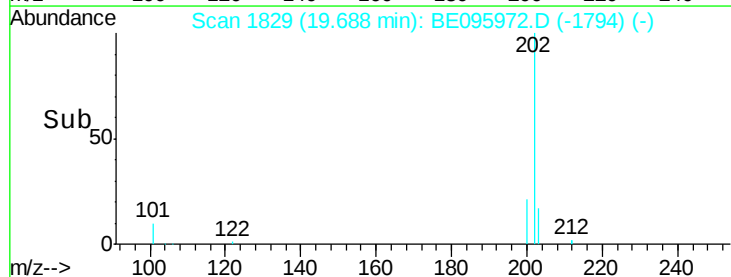
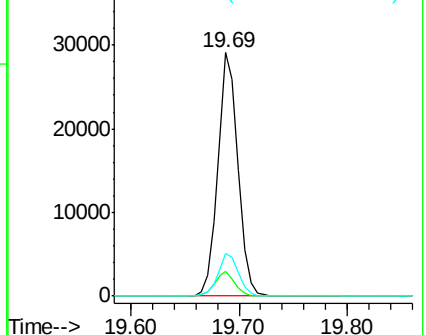
203 17.3 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

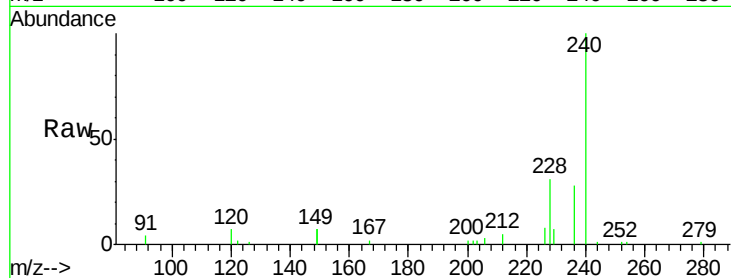
Tot Ion:240 Resp: 7161

Ion Ratio Lower Upper

240 100

120 6.6 5.5 8.3

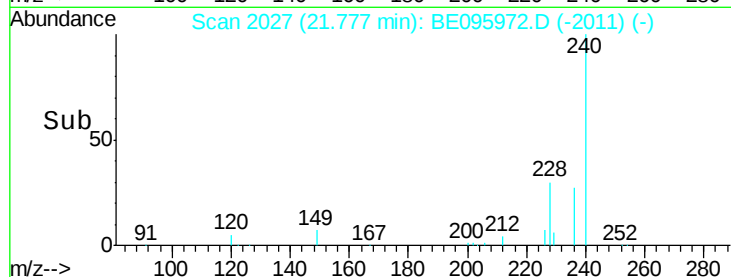
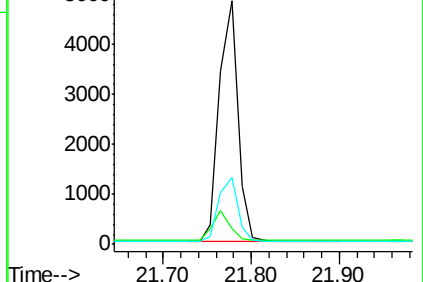
236 27.7 20.7 31.1



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: 0.687 ng

RT: 20.05 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

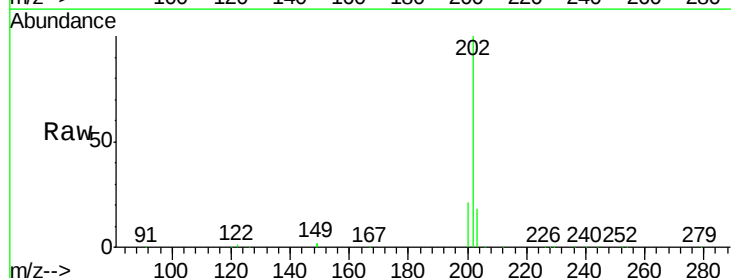
Tgt Ion:202 Resp: 20043

Ion Ratio Lower Upper

202 100

200 19.9 16.6 25.0

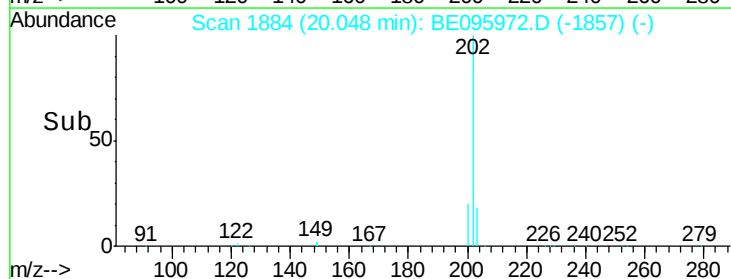
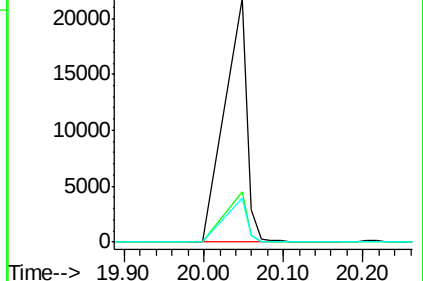
203 19.3 13.8 20.8



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: 1.687 ng

RT: 20.22 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampled :

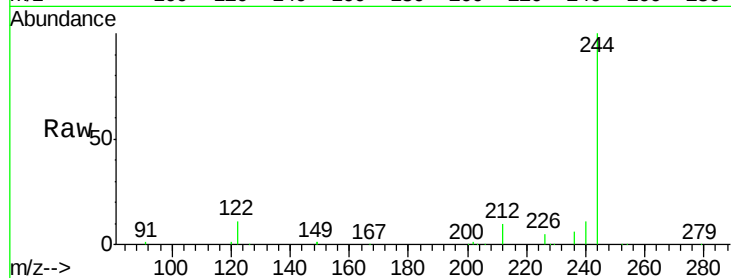
Tot Ion:244 Resp: 25658

Ion Ratio Lower Upper

244 100

212 10.2 25.4 38.0#

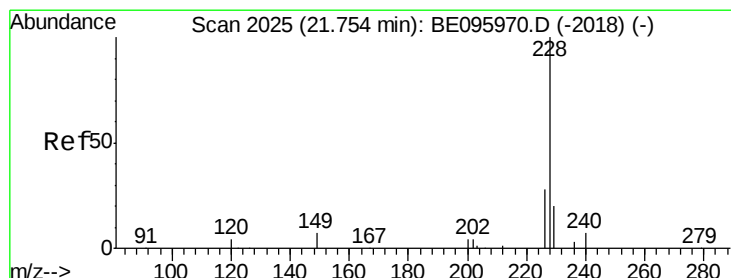
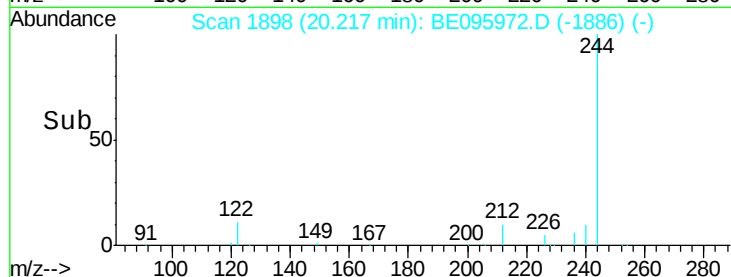
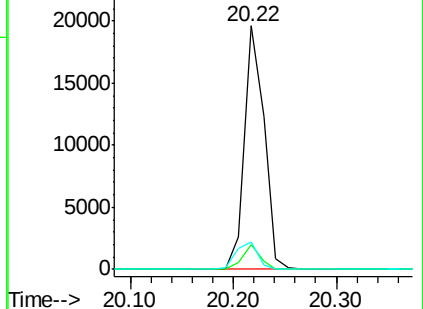
122 11.1 8.1 12.1



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: 1.506 ng

RT: 21.75 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

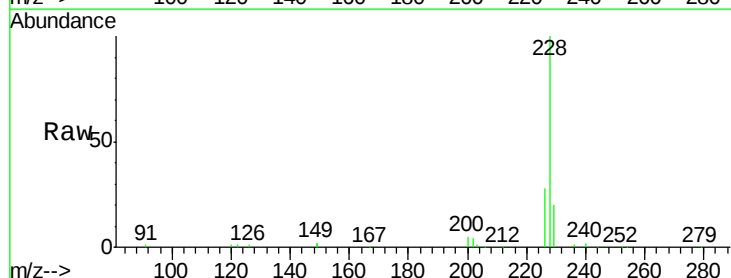
Tgt Ion:228 Resp: 37410

Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

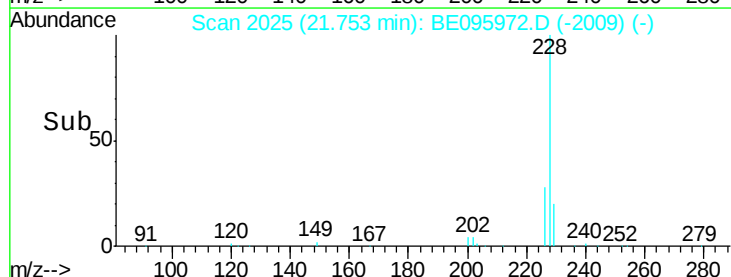
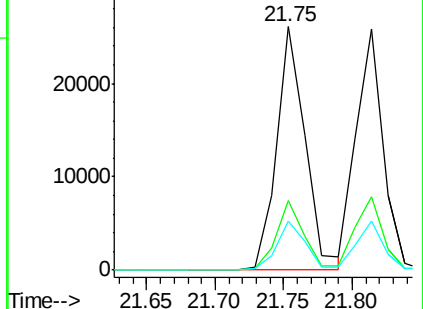
229 20.0 16.0 24.0



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: 1.551 ng

RT: 21.81 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

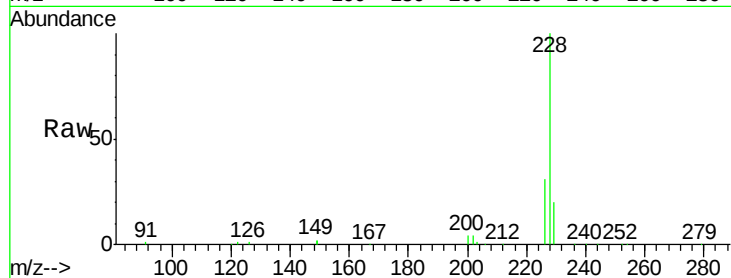
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:228 Resp: 35141

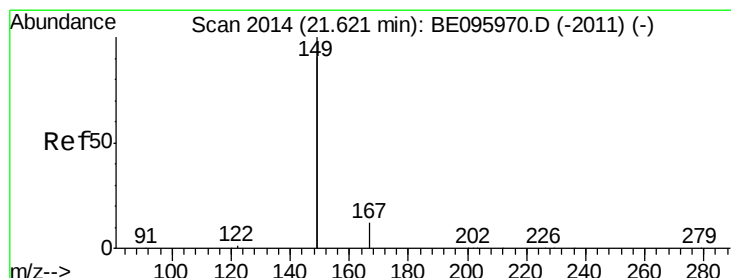
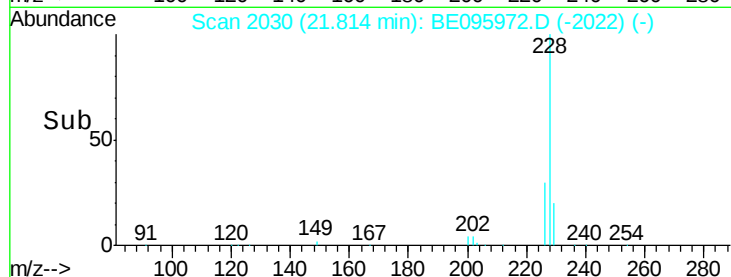
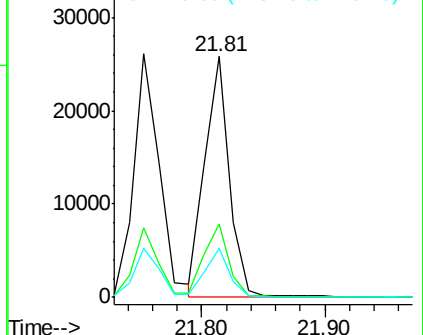
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.6  | 24.0  | 36.0  |
| 229 | 20.2  | 16.0  | 24.0  |



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: 1.263 ng

RT: 21.62 min Scan# 2014

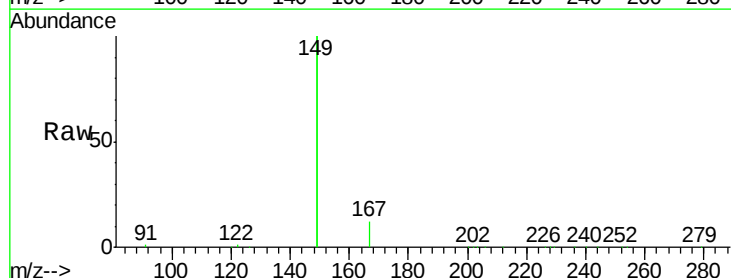
Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Tgt Ion:149 Resp: 95955

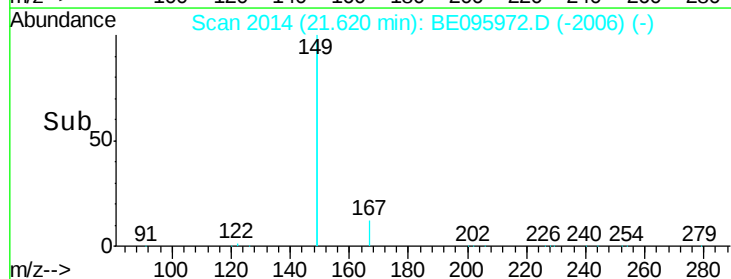
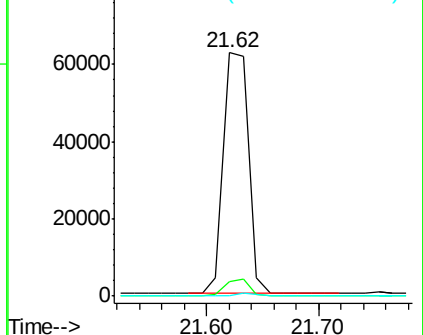
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.7   | 5.4   | 8.0   |
| 279 | 0.8   | 0.7   | 1.1   |



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: 1.444 ng

RT: 27.19 min Scan# 3489

Delta R.T. -0.01 min

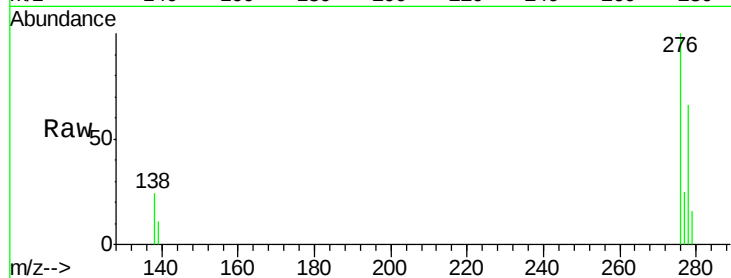
Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :



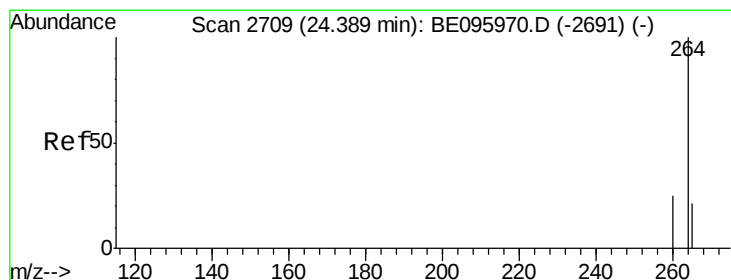
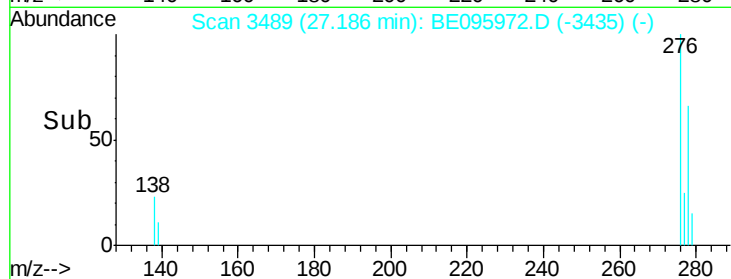
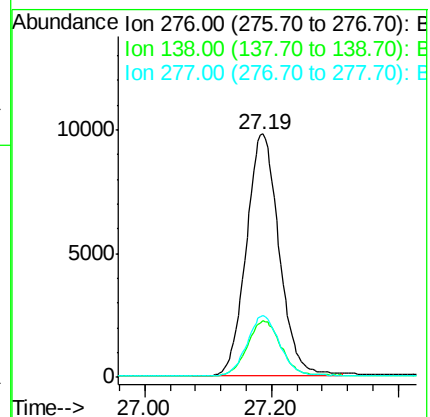
Tot Ion:276 Resp: 35261

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.39 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

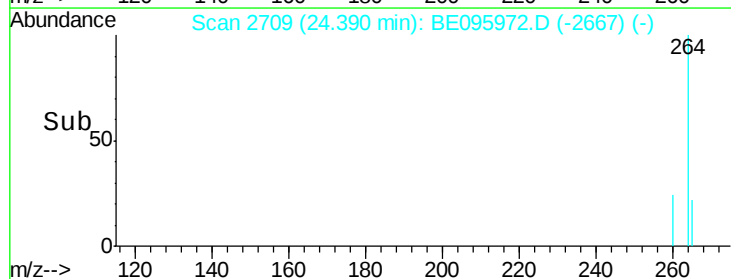
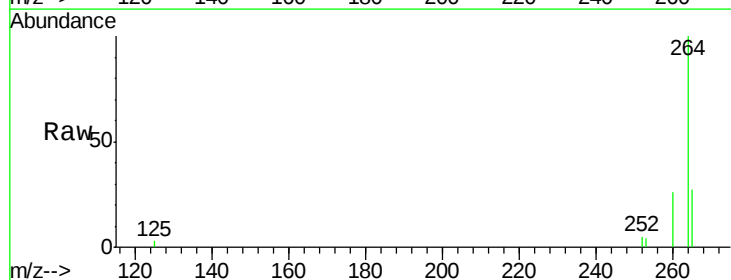
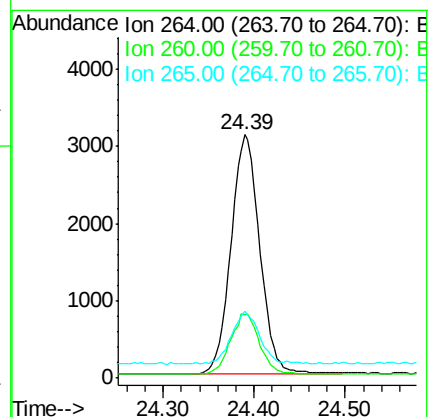
Tgt Ion:264 Resp: 6799

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 27.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 1.479 ng

RT: 23.58 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

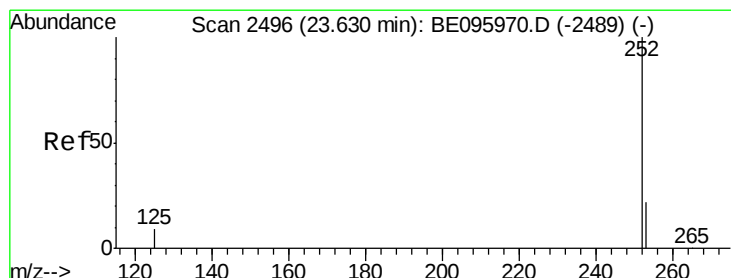
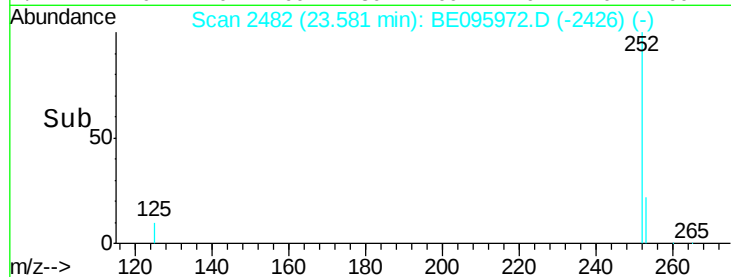
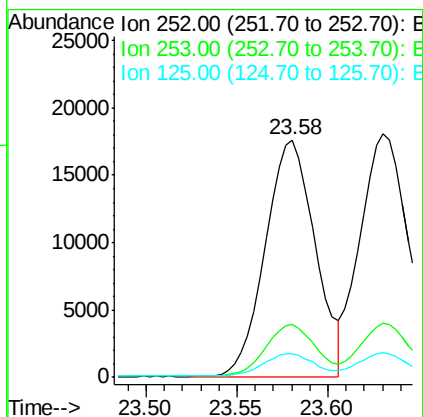
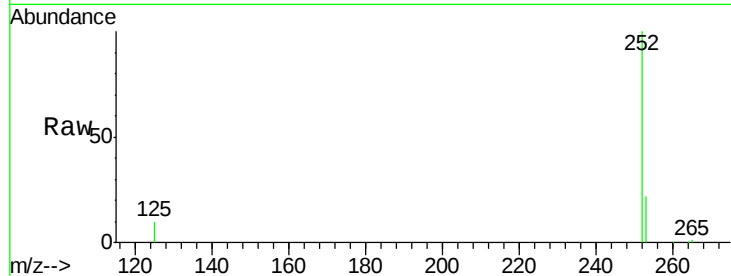
Tot Ion:252 Resp: 33272

Ion Ratio Lower Upper

252 100

253 22.3 20.0 30.0

125 10.1 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 1.504 ng

RT: 23.63 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

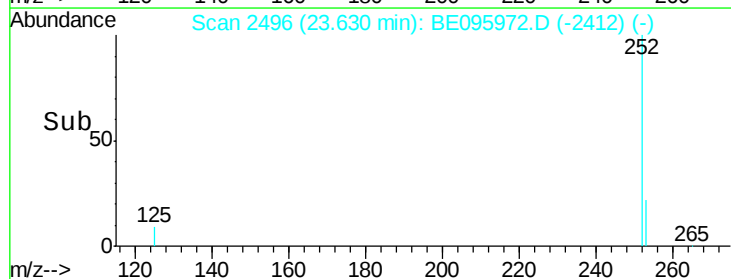
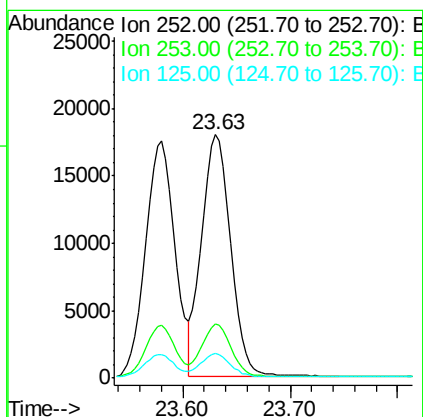
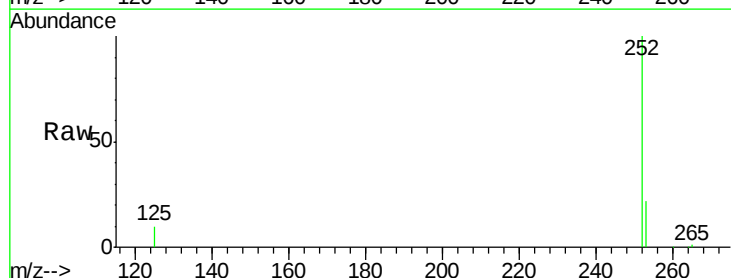
Tgt Ion:252 Resp: 33832

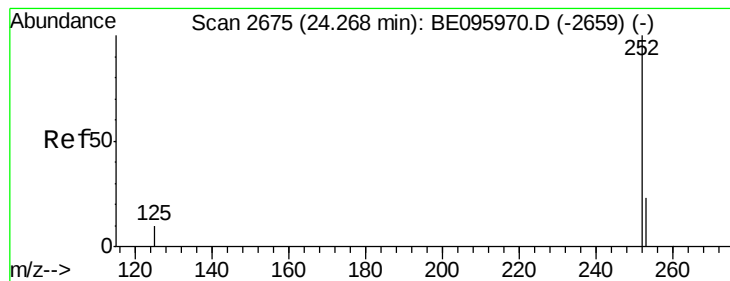
Ion Ratio Lower Upper

252 100

253 22.2 16.0 24.0

125 10.0 8.0 12.0





#37

Benzo(a)pyrene

Concen: 1.511 ng

RT: 24.27 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :

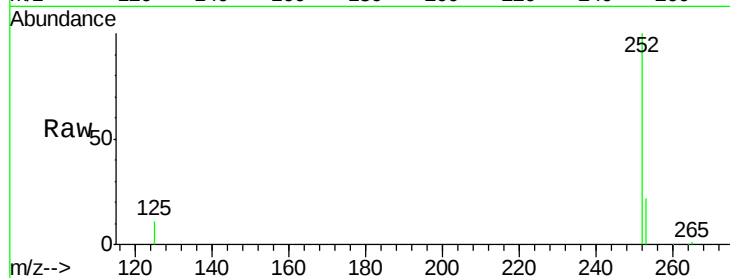
Tot Ion:252 Resp: 31861

Ion Ratio Lower Upper

252 100

253 22.0 16.0 24.0

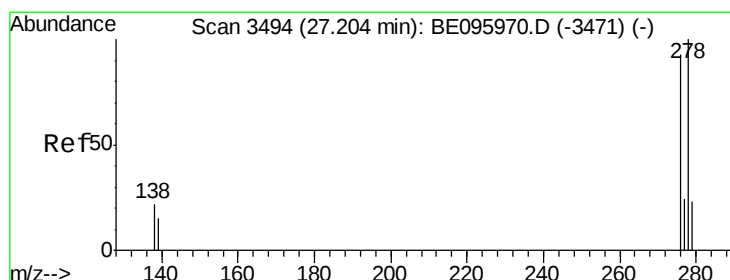
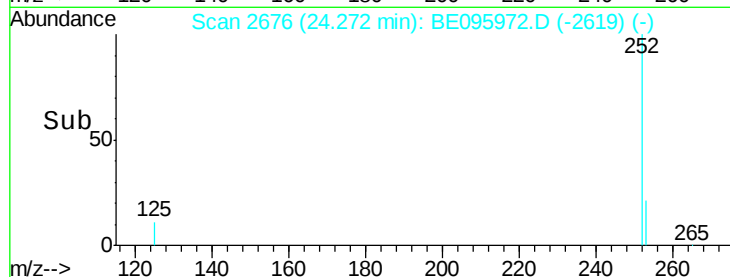
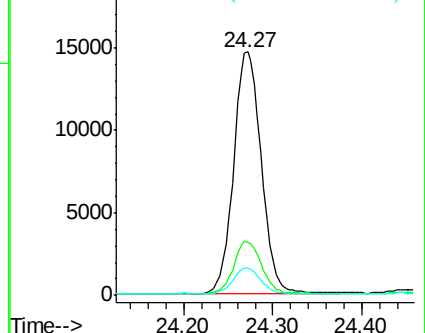
125 11.3 12.0 18.0#



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: 1.435 ng

RT: 27.20 min Scan# 3493

Delta R.T. -0.00 min

Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

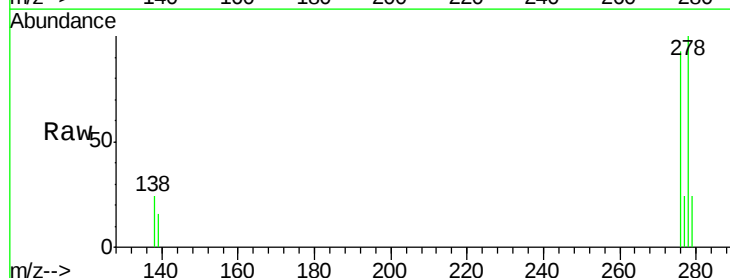
Tgt Ion:278 Resp: 28737

Ion Ratio Lower Upper

278 100

139 15.9 16.0 24.0#

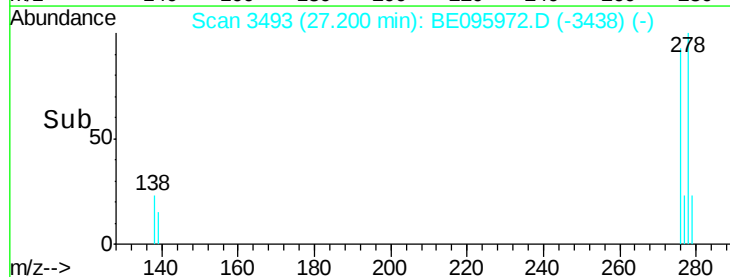
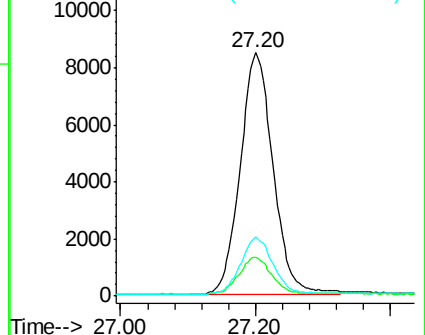
279 24.2 20.0 30.0



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: 1.466 ng

RT: 28.05 min Scan# 3732

Delta R.T. -0.00 min

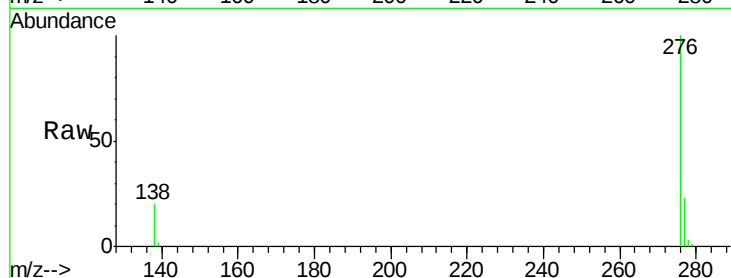
Lab File: BE095972.D

Acq: 11 Apr 2018 15:58

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 276 Resp: 29504

Ion Ratio Lower Upper

276 100

277 23.4 16.0 24.0

138 20.5 20.0 30.0

