

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040218\  
 Data File : BE095920.D  
 Acq On : 2 Apr 2018 10:47  
 Operator : SJ/JU  
 Sample : PB107832BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 03 03:48:03 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 12:41:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.41  | 152  | 1286     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 11.26 | 136  | 4695     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.99 | 164  | 2399     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.71 | 188  | 5084     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.79 | 240  | 6169     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 24.42 | 264  | 6302     | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.91  | 112  | 1637     | 0.39 | ng    | 0.00     |
| 5) Phenol-d6                | 7.56  | 99   | 2212     | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.59  | 82   | 2561     | 0.46 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.79 | 152  | 2752     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.47 | 330  | 447      | 0.32 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.63 | 172  | 5055     | 0.50 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.68 | 212  | 27126    | 0.36 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.24 | 244  | 6345     | 0.48 | ng    | 0.00     |

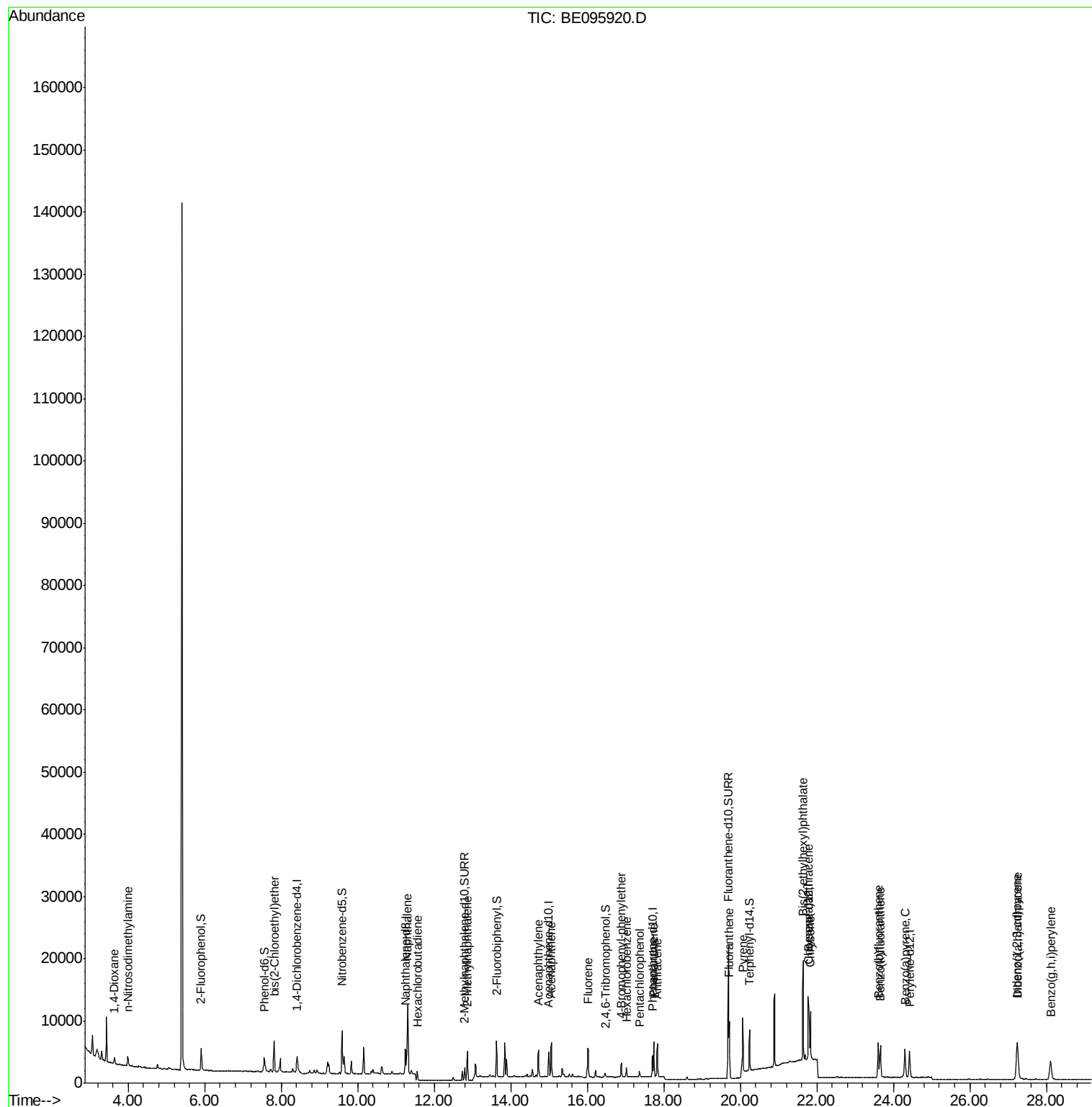
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.64  | 88   | 706      | 0.335 | ng    | # 87   |
| 3) n-Nitrosodimethylamine      | 3.99  | 42   | 1039     | 0.336 | ng    | 83     |
| 6) bis(2-Chloroethyl)ether     | 7.81  | 93   | 1779     | 0.354 | ng    | 97     |
| 9) Naphthalene                 | 11.29 | 128  | 19861    | 0.370 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.56 | 225  | 1311     | 0.356 | ng    | 95     |
| 12) 2-Methylnaphthalene        | 12.86 | 142  | 3305     | 0.361 | ng    | 95     |
| 16) Acenaphthylene             | 14.73 | 152  | 4856     | 0.354 | ng    | 100    |
| 17) Acenaphthene               | 15.06 | 154  | 2898     | 0.346 | ng    | 96     |
| 18) Fluorene                   | 16.03 | 166  | 3607     | 0.328 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 16.89 | 248  | 1210     | 0.396 | ng    | # 85   |
| 21) Hexachlorobenzene          | 17.02 | 284  | 1160     | 0.380 | ng    | # 80   |
| 22) Pentachlorophenol          | 17.36 | 266  | 564      | 0.620 | ng    | # 81   |
| 23) Phenanthrene               | 17.74 | 178  | 5718     | 0.376 | ng    | 99     |
| 24) Anthracene                 | 17.83 | 178  | 5826     | 0.383 | ng    | 96     |
| 26) Fluoranthene               | 19.71 | 202  | 7659     | 0.362 | ng    | 98     |
| 28) Pyrene                     | 20.06 | 202  | 8320     | 0.331 | ng    | # 88   |
| 30) Benzo(a)anthracene         | 21.78 | 228  | 8039     | 0.376 | ng    | 97     |
| 31) Chrysene                   | 21.83 | 228  | 7610     | 0.390 | ng    | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.65 | 149  | 20630    | 0.315 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.23 | 276  | 8771     | 0.417 | ng    | 95     |
| 35) Benzo(b)fluoranthene       | 23.61 | 252  | 7890     | 0.378 | ng    | # 93   |
| 36) Benzo(k)fluoranthene       | 23.66 | 252  | 7753     | 0.372 | ng    | # 90   |
| 37) Benzo(a)pyrene             | 24.30 | 252  | 7633     | 0.391 | ng    | # 91   |
| 38) Dibenzo(a,h)anthracene     | 27.25 | 278  | 7066     | 0.381 | ng    | 95     |
| 39) Benzo(g,h,i)perylene       | 28.11 | 276  | 7388     | 0.396 | ng    | # 90   |

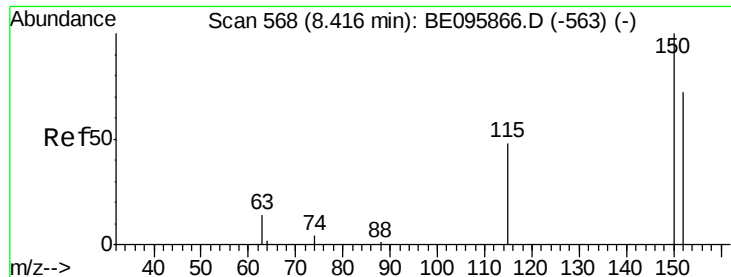
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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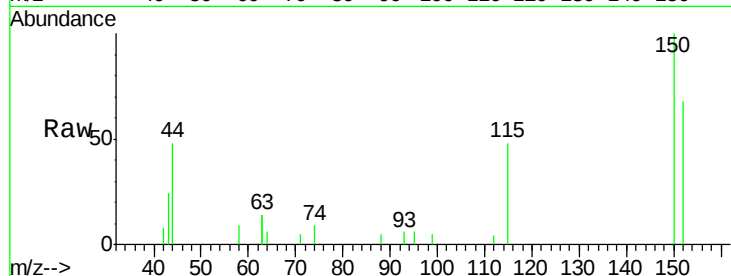


#1

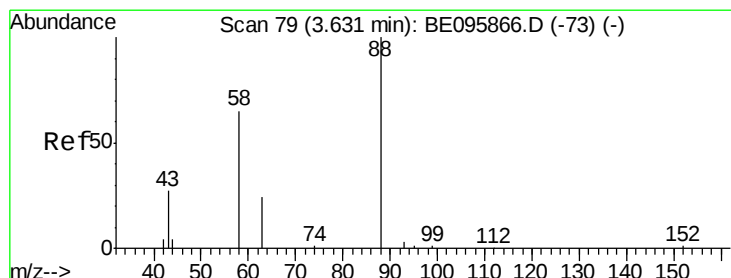
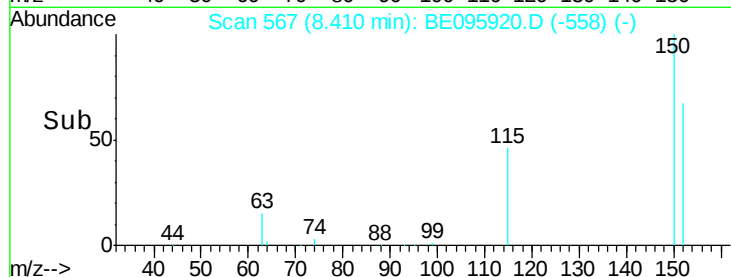
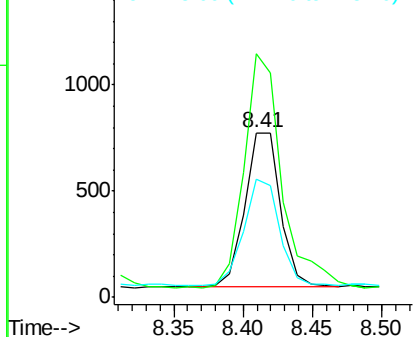
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.41 min Scan# 567  
Delta R.T. -0.02 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 1286  
Ion Ratio Lower Upper  
152 100  
150 148.1 117.2 175.8  
115 71.7 57.0 85.6



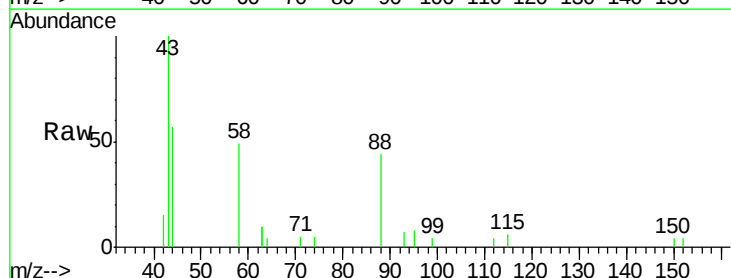
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



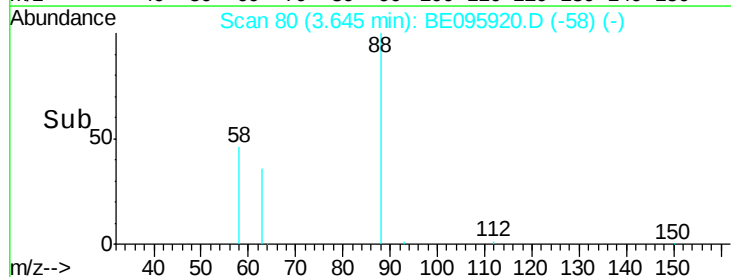
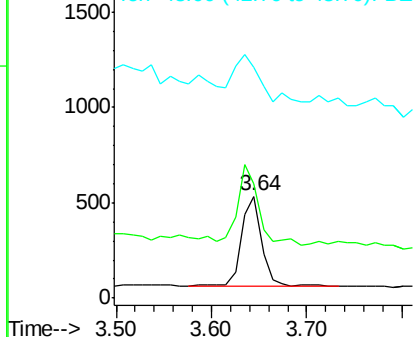
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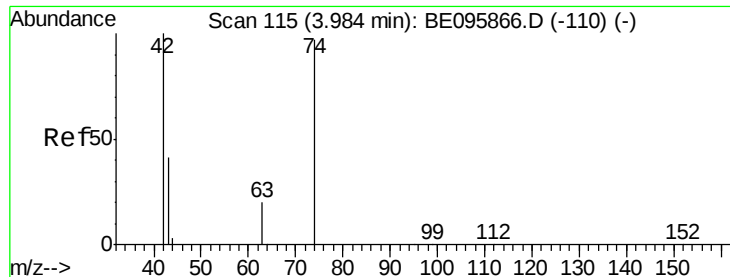
1,4-Dioxane  
Concen: 0.335 ng  
RT: 3.64 min Scan# 80  
Delta R.T. 0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Tgt Ion: 88 Resp: 706  
Ion Ratio Lower Upper  
88 100  
58 85.8 63.2 94.8  
43 65.4 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



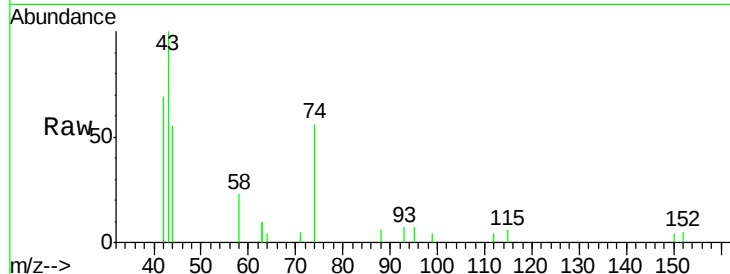


#3

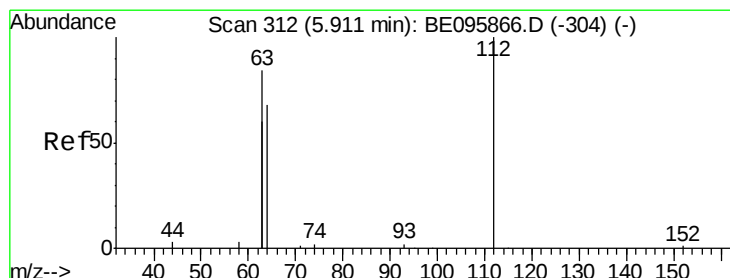
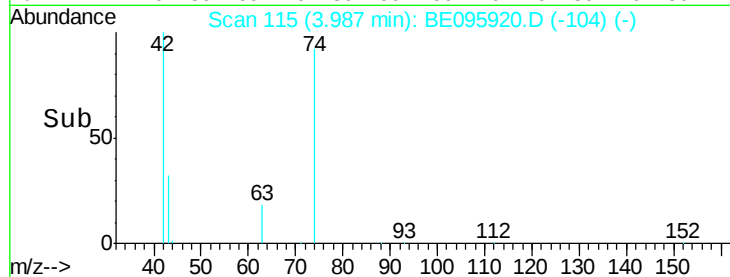
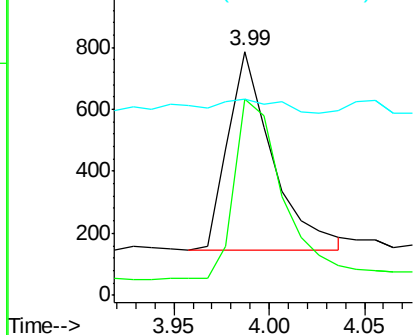
n-Nitrosodimethylamine  
 Concen: 0.336 ng  
 RT: 3.99 min Scan# 115  
 Delta R.T. 0.00 min  
 Lab File: BE095920.D  
 Acq: 2 Apr 2018 10:47

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion: 42 Resp: 1039  
 Ion Ratio Lower Upper  
 42 100  
 74 99.3 96.0 144.0  
 44 12.6 12.0 18.0



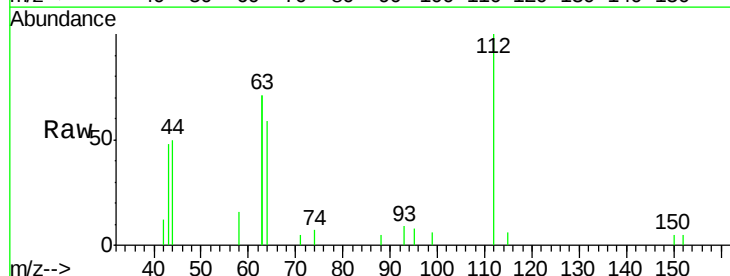
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



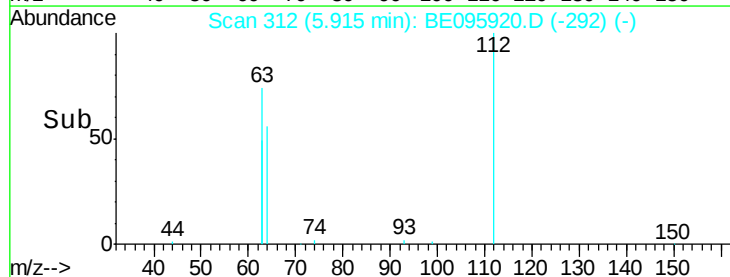
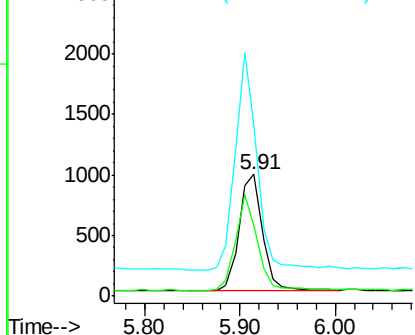
#4

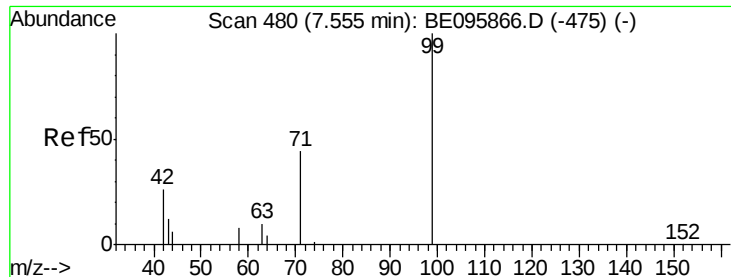
2-Fluorophenol  
 Concen: 0.386 ng  
 RT: 5.91 min Scan# 312  
 Delta R.T. -0.01 min  
 Lab File: BE095920.D  
 Acq: 2 Apr 2018 10:47

Tgt Ion: 112 Resp: 1637  
 Ion Ratio Lower Upper  
 112 100  
 64 76.1 60.1 90.1  
 63 175.3 116.8 175.2#



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: 0.379 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

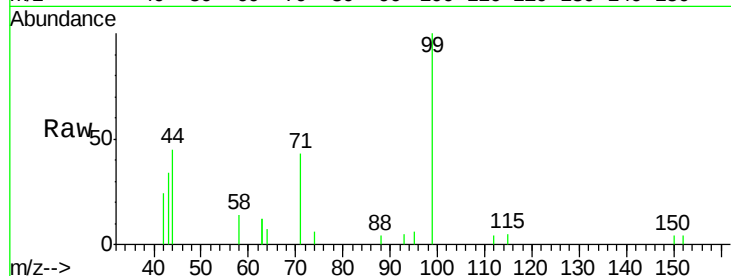
Tot Ion: 99 Resp: 2212

Ion Ratio Lower Upper

99 100

42 26.8 20.2 30.2

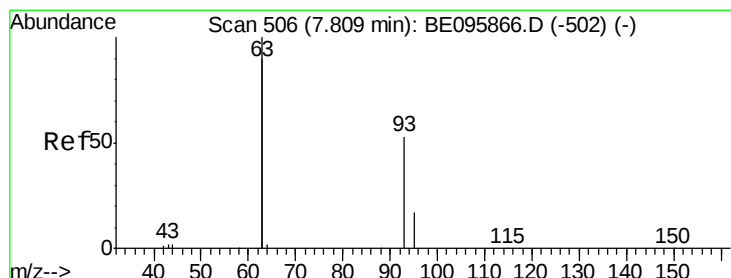
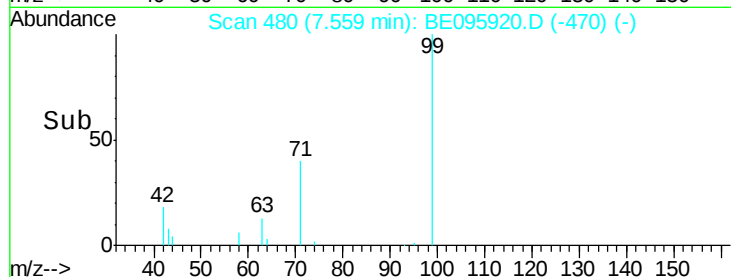
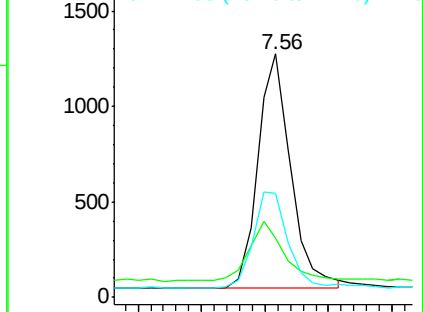
71 42.9 28.4 42.6#



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: 0.354 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

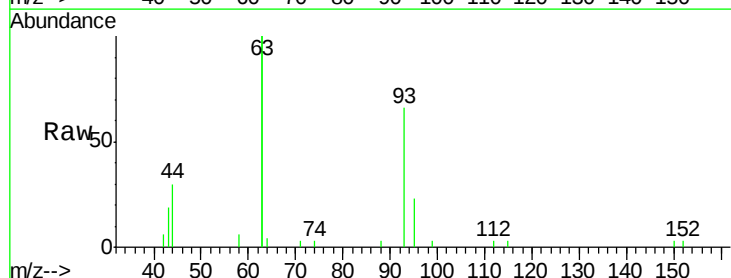
Tgt Ion: 93 Resp: 1779

Ion Ratio Lower Upper

93 100

63 336.9 275.3 412.9

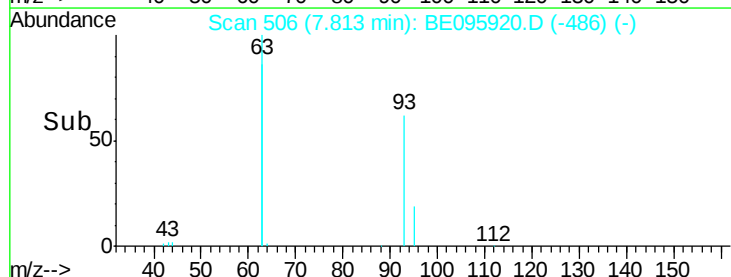
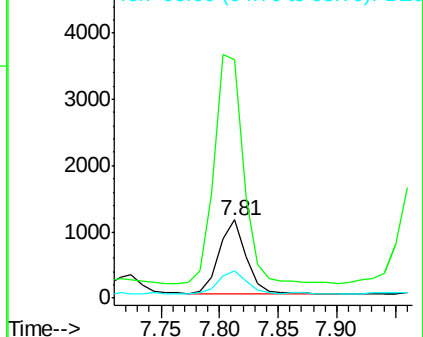
95 32.5 25.2 37.8

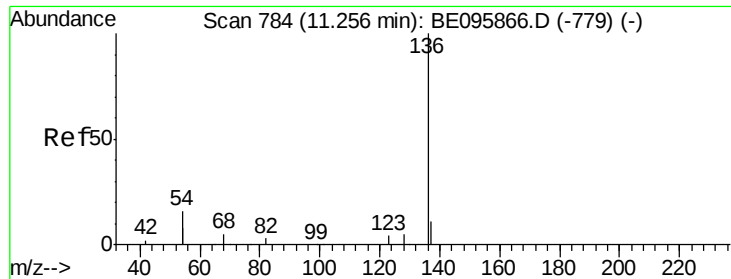


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 4695

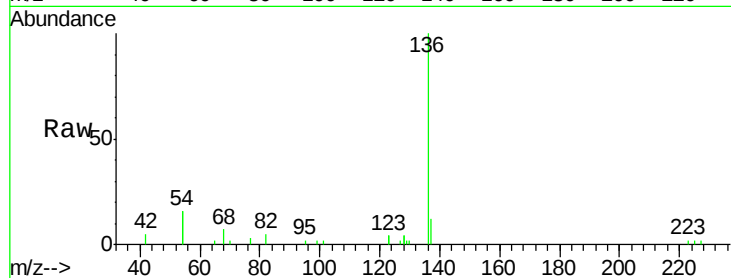
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 32.7 29.1 43.7

68 7.1 6.2 9.2

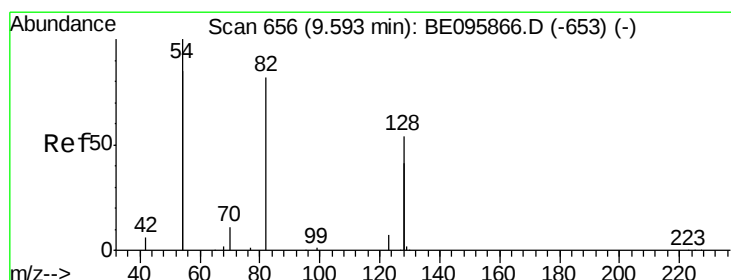
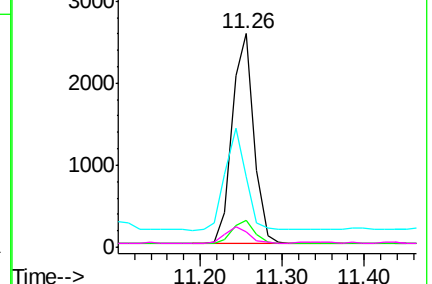
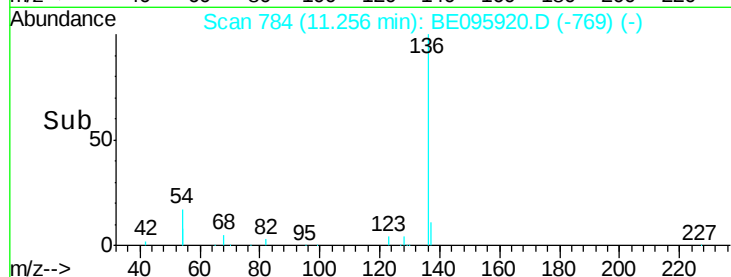


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.462 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

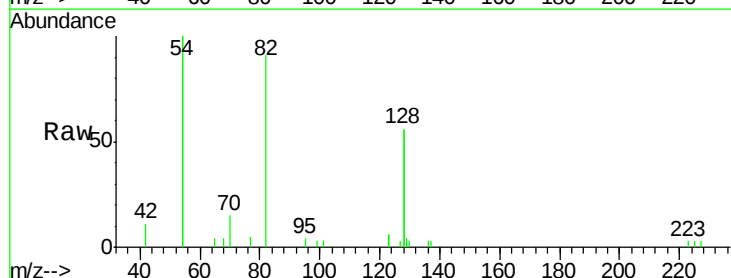
Tgt Ion: 82 Resp: 2561

Ion Ratio Lower Upper

82 100

128 122.8 150.0 225.0#

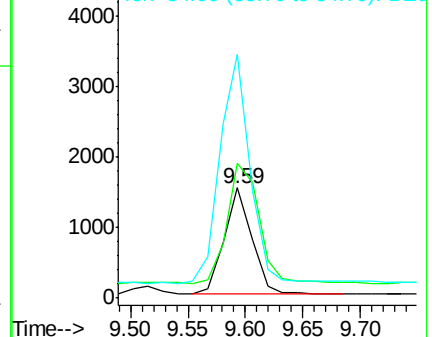
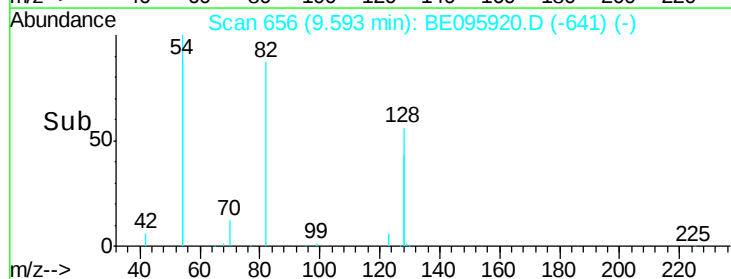
54 220.8 154.2 231.4

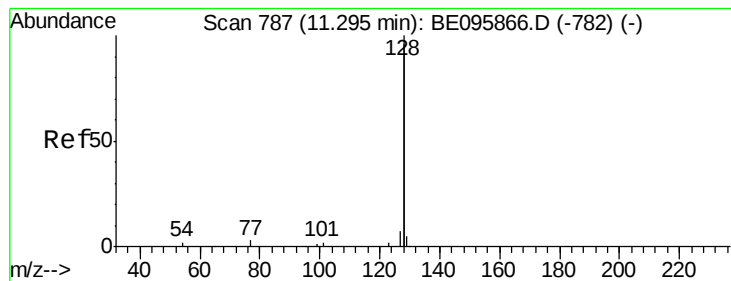


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.370 ng

RT: 11.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

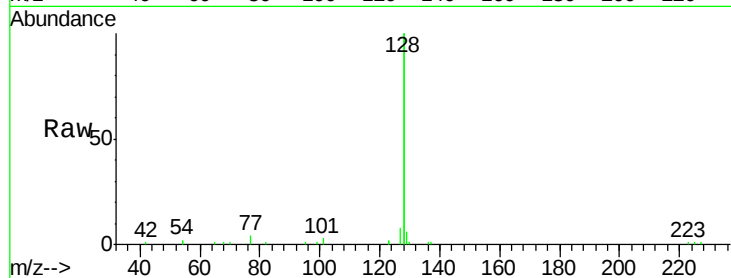
Tot Ion:128 Resp: 19861

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

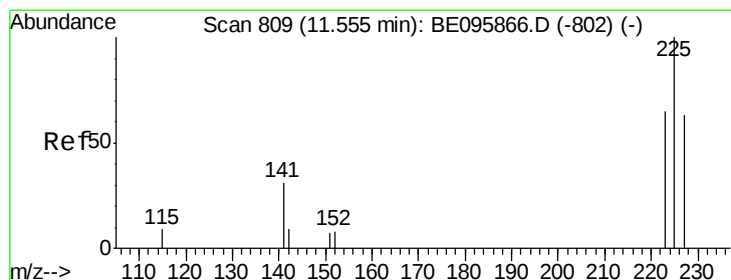
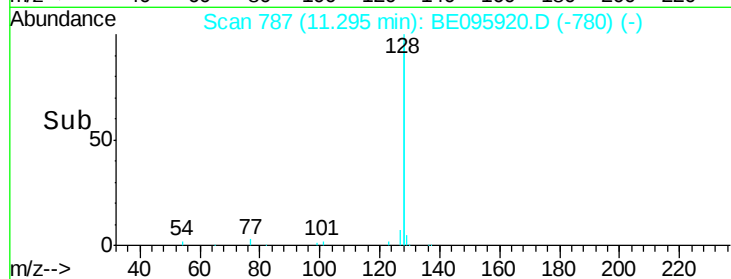
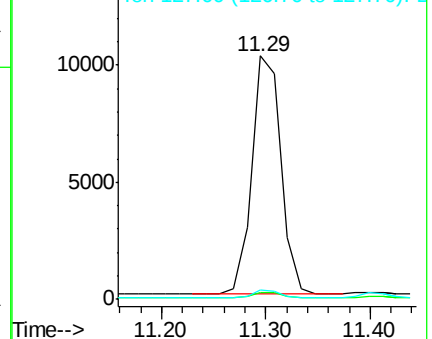
127 3.8 2.8 4.2



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: 0.356 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

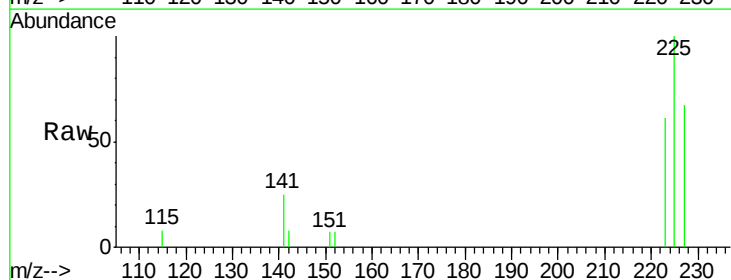
Tgt Ion:225 Resp: 1311

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

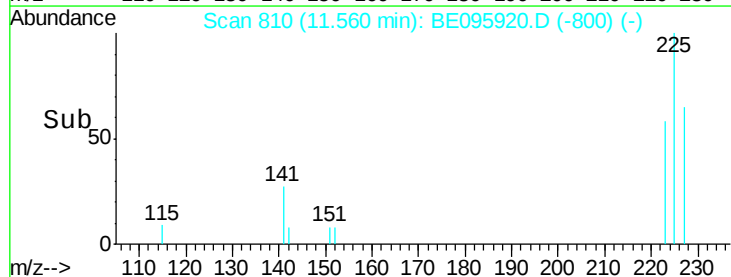
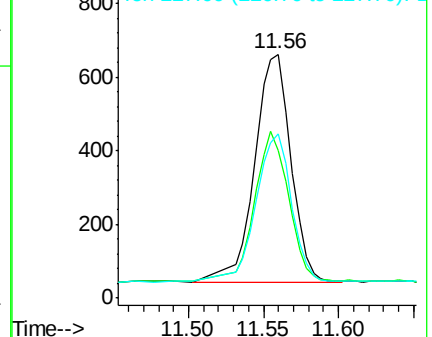
227 68.8 51.4 77.2

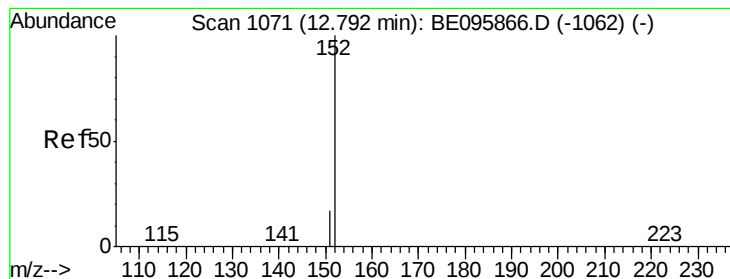


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

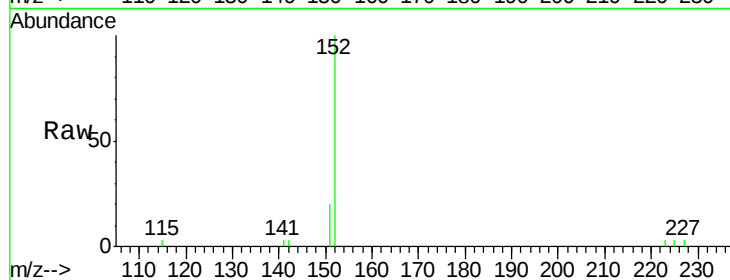
ClientSampleId :

Tot Ion:152 Resp: 2752

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.79

1500

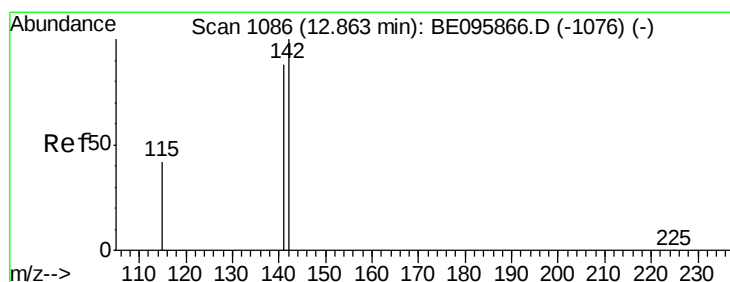
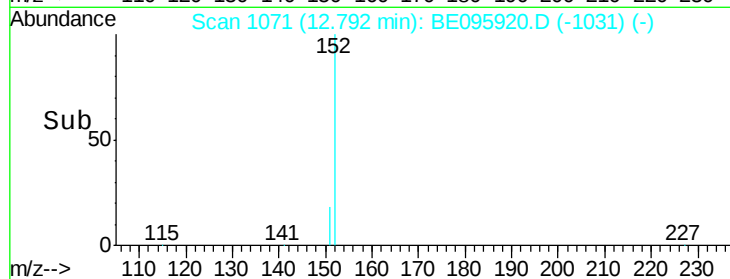
1000

500

0

12.75 12.80 12.85 12.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.361 ng

RT: 12.86 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

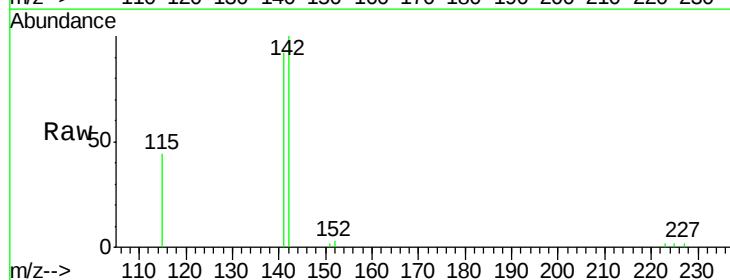
Tgt Ion:142 Resp: 3305

Ion Ratio Lower Upper

142 100

141 91.8 70.4 105.6

115 43.6 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

12.86

2500

2000

1500

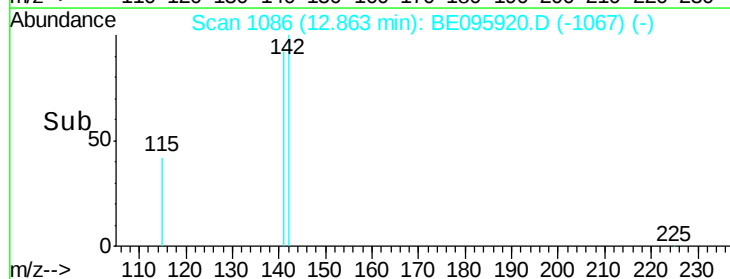
1000

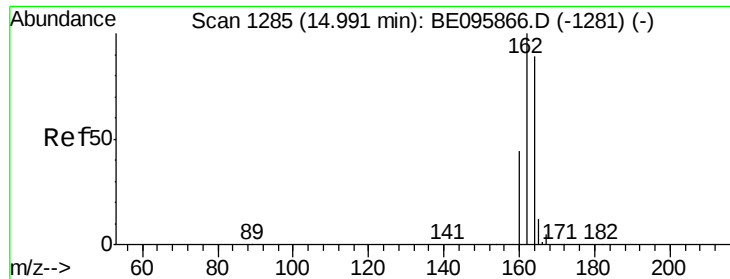
500

0

12.80 12.85 12.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

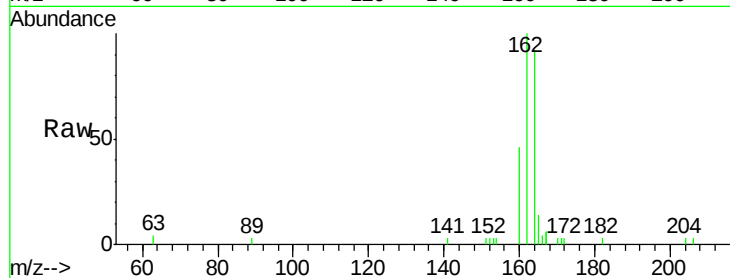
Tot Ion:164 Resp: 2399

Ion Ratio Lower Upper

164 100

162 109.1 83.1 124.7

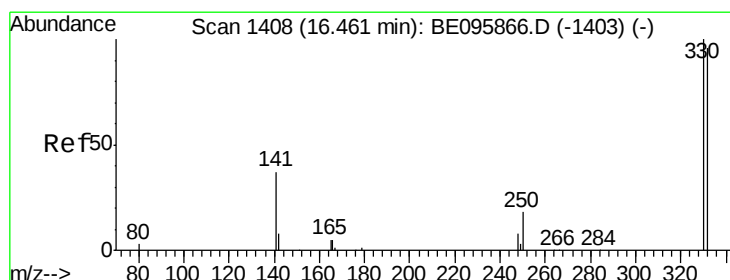
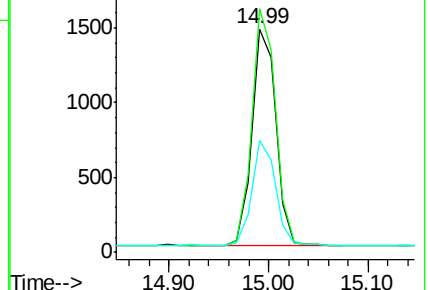
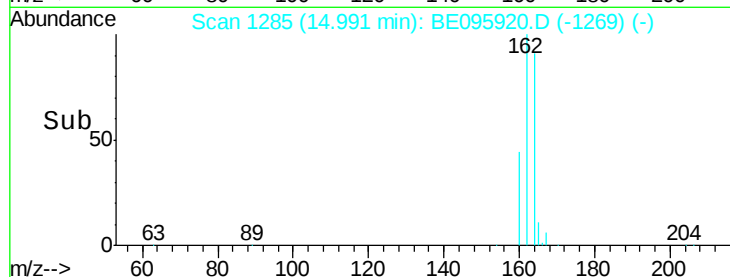
160 50.1 37.1 55.7



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: 0.323 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

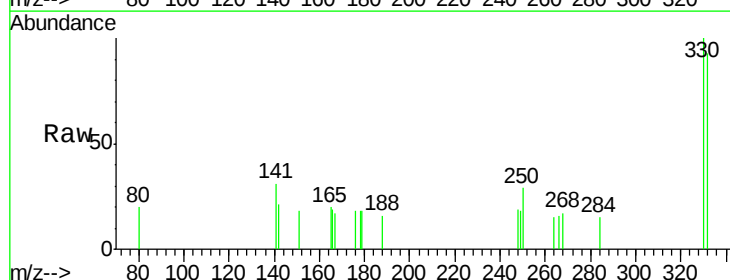
Tgt Ion:330 Resp: 447

Ion Ratio Lower Upper

330 100

332 90.2 152.7 229.1#

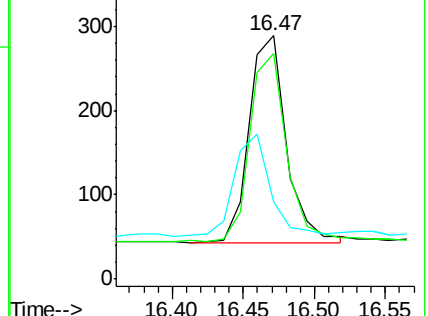
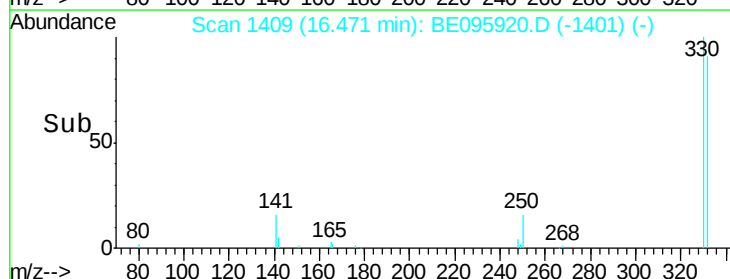
141 48.8 33.7 50.5

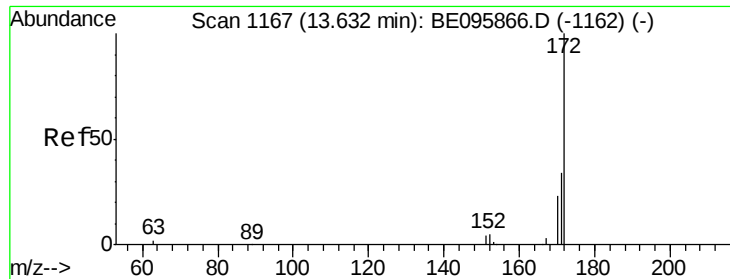


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

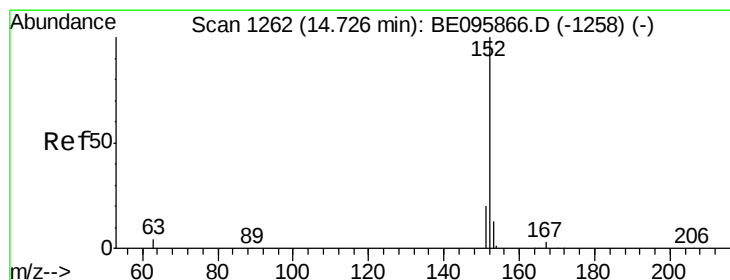
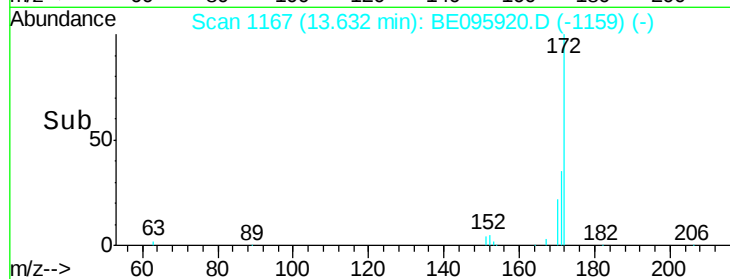
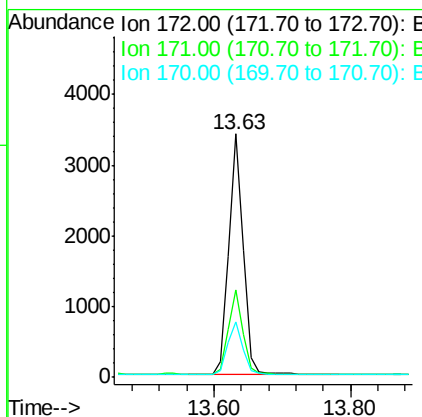
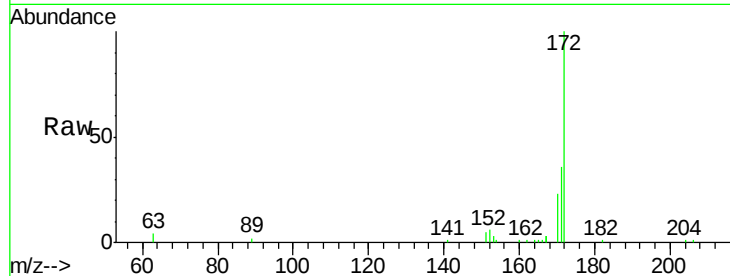




#15  
2-Fluorobiphenyl  
Concen: 0.500 ng  
RT: 13.63 min Scan# 1167  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

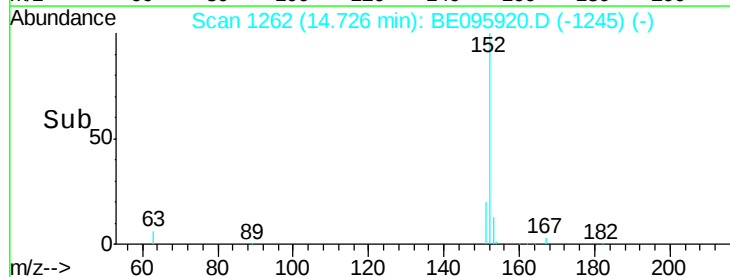
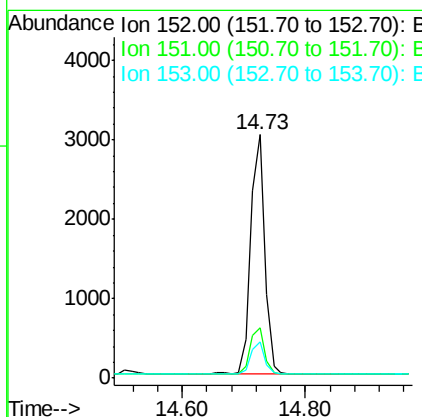
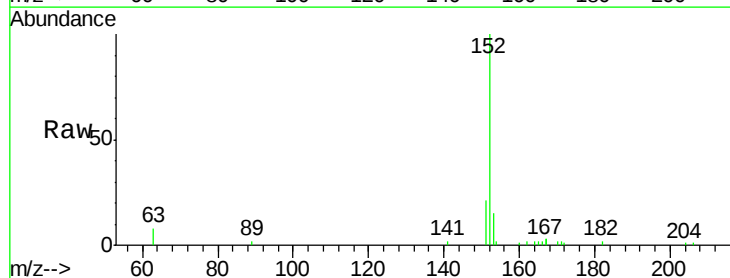
Instrument :  
BNA\_E  
ClientSampleId :

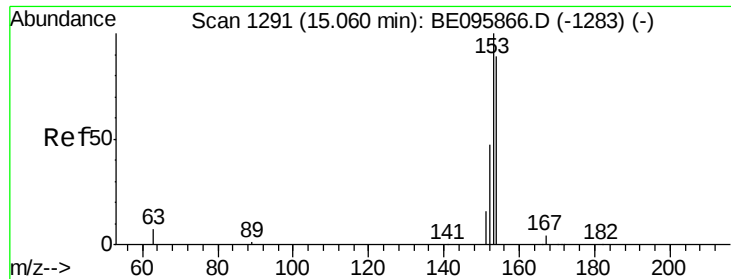
Tot Ion:172 Resp: 5055  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.9 44.9  
170 23.0 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.354 ng  
RT: 14.73 min Scan# 1262  
Delta R.T. -0.00 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Tgt Ion:152 Resp: 4856  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.346 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampled :

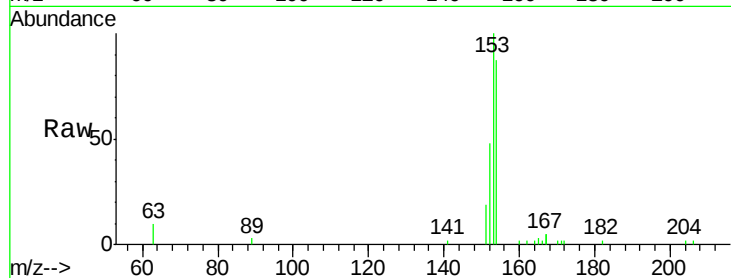
Tot Ion:154 Resp: 2898

Ion Ratio Lower Upper

154 100

153 115.5 89.2 133.8

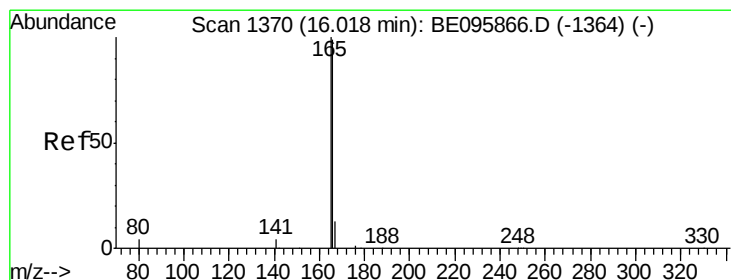
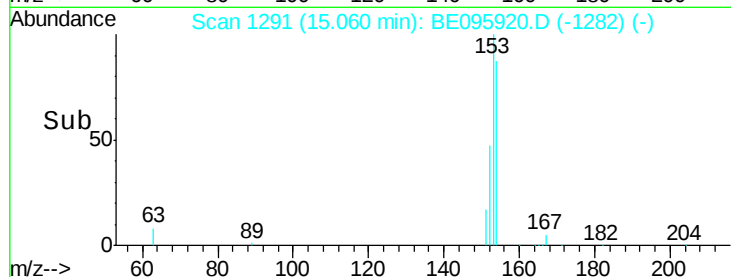
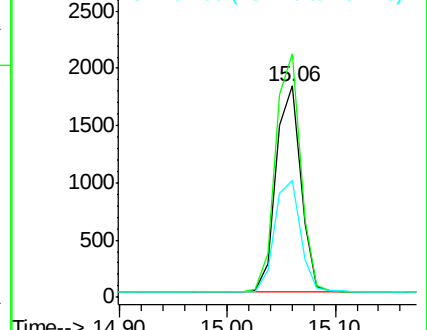
152 55.9 42.0 63.0



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: 0.328 ng

RT: 16.03 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

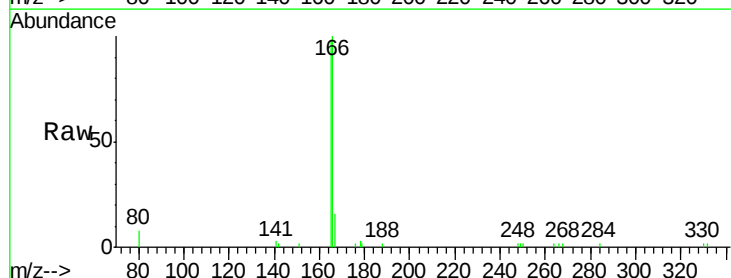
Tgt Ion:166 Resp: 3607

Ion Ratio Lower Upper

166 100

165 100.6 77.8 116.6

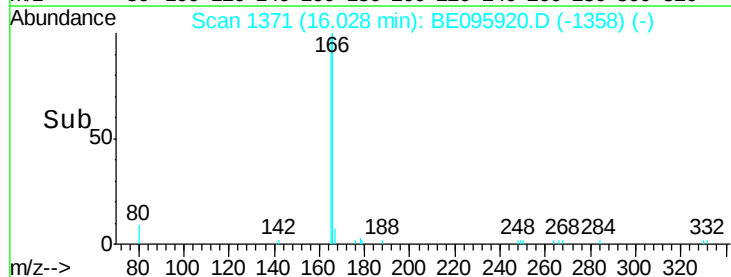
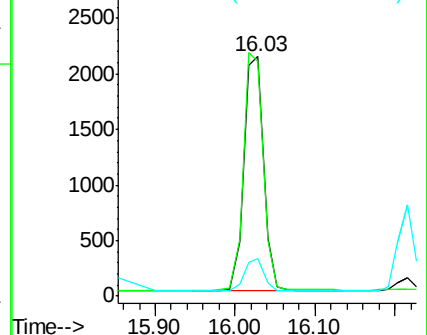
167 13.7 42.4 63.6#

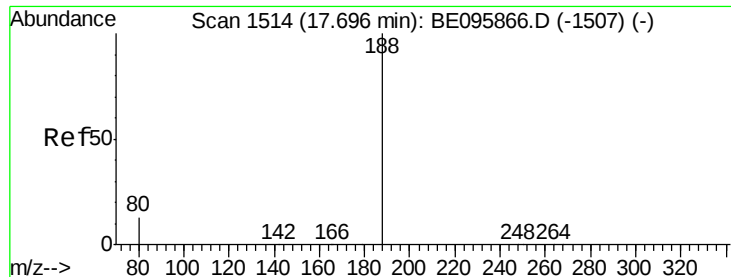


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

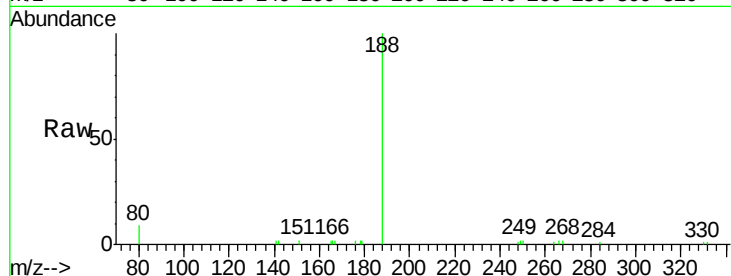
Tot Ion:188 Resp: 5084

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

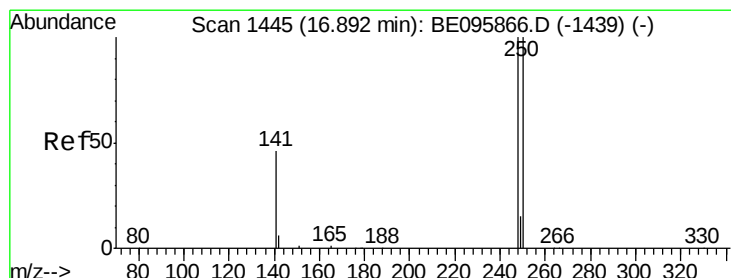
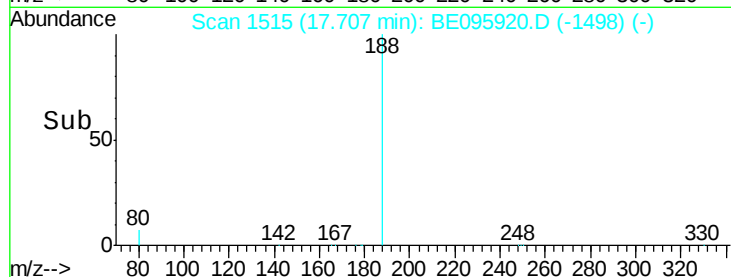
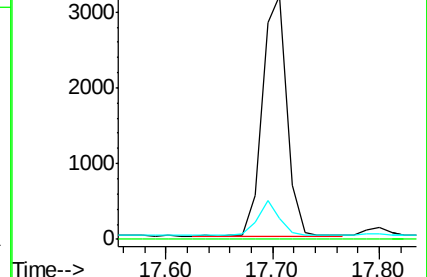
80 8.7 3.6 5.4#



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: 0.396 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

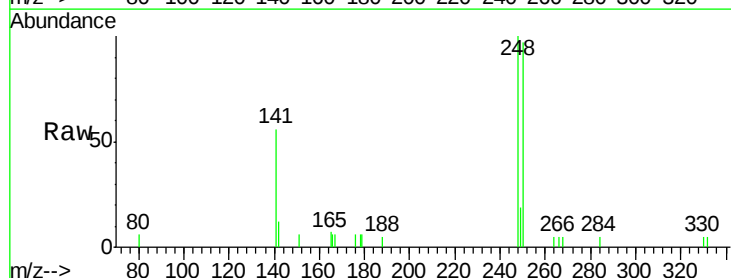
Tgt Ion:248 Resp: 1210

Ion Ratio Lower Upper

248 100

250 97.5 62.7 94.1#

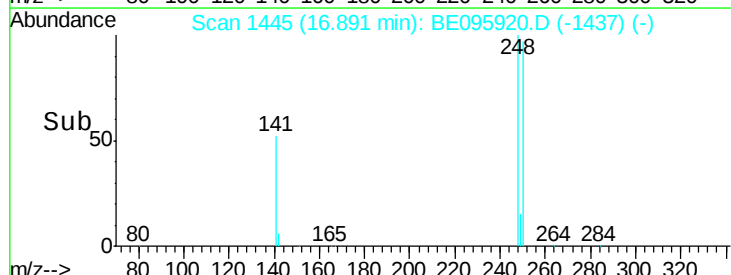
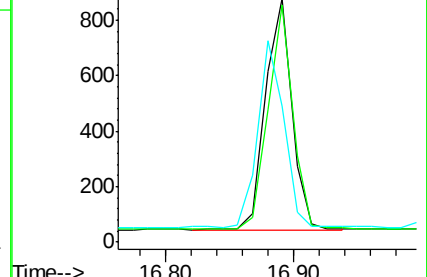
141 55.7 48.2 72.2

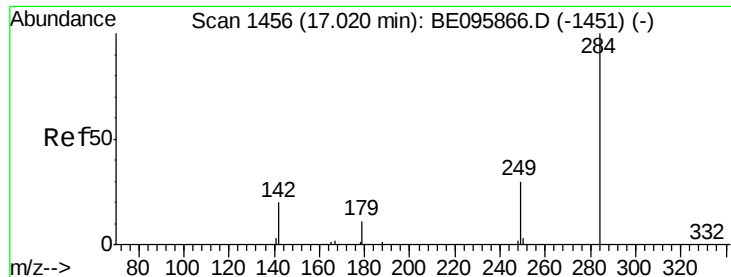


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampled :

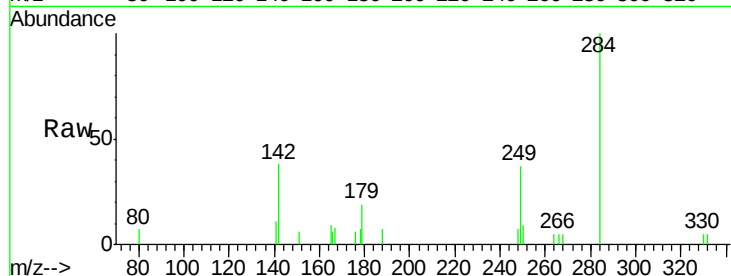
Tot Ion:284 Resp: 1160

Ion Ratio Lower Upper

284 100

142 42.8 22.1 33.1#

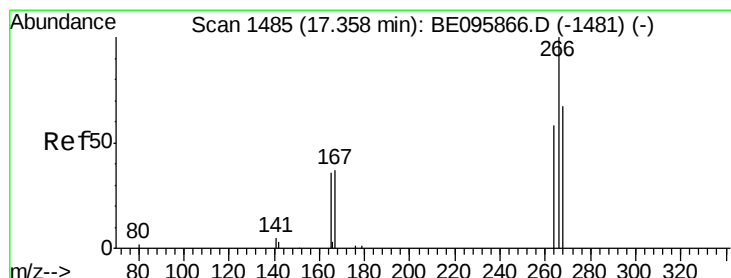
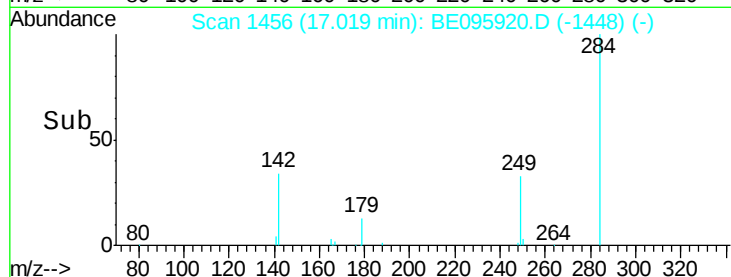
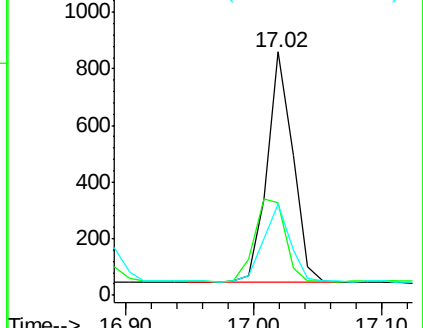
249 34.7 34.8 52.2#



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: 0.620 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

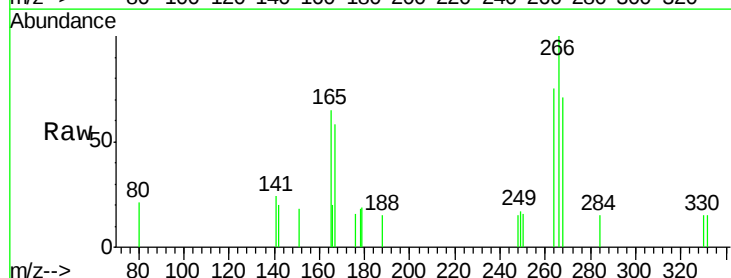
Tgt Ion:266 Resp: 564

Ion Ratio Lower Upper

266 100

264 75.3 72.5 108.7

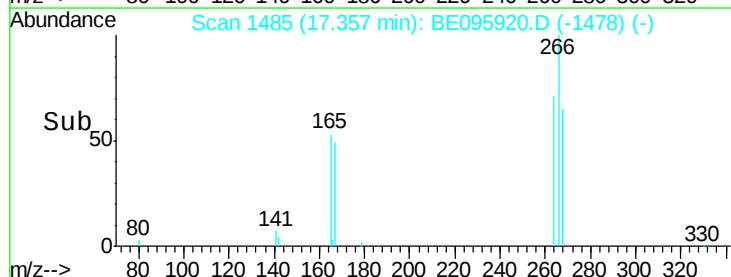
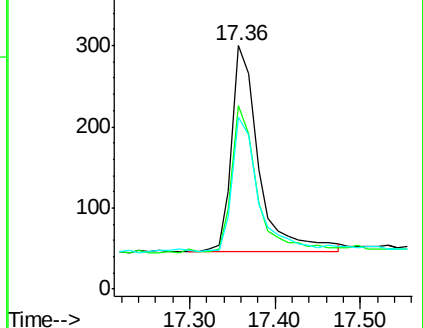
268 70.7 73.8 110.6#

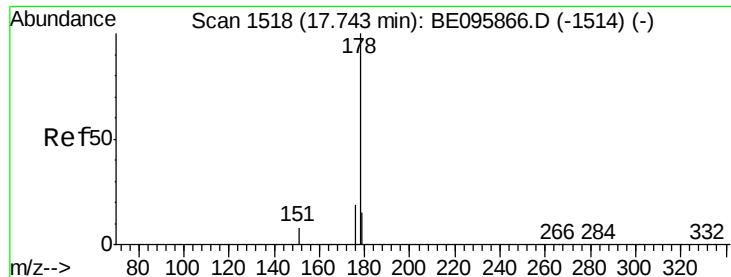


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.376 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

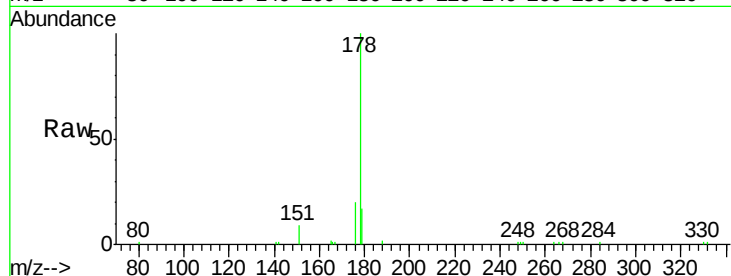
Tot Ion:178 Resp: 5718

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

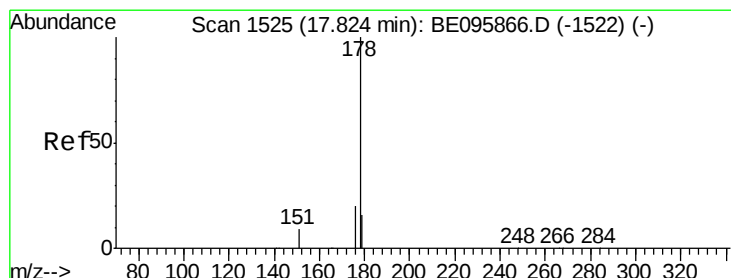
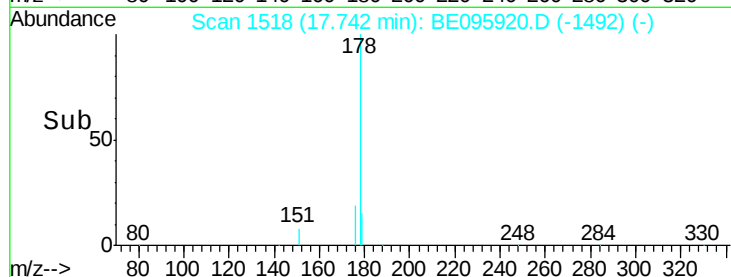
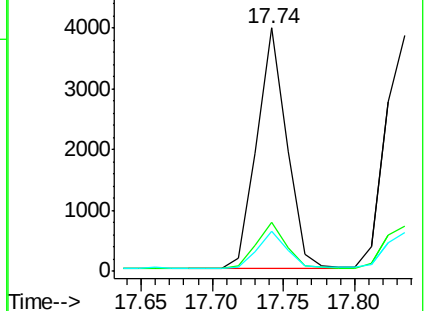
179 15.2 11.8 17.6



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: 0.383 ng

RT: 17.83 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

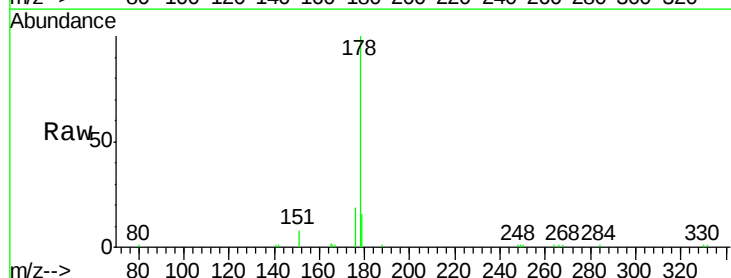
Tgt Ion:178 Resp: 5826

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

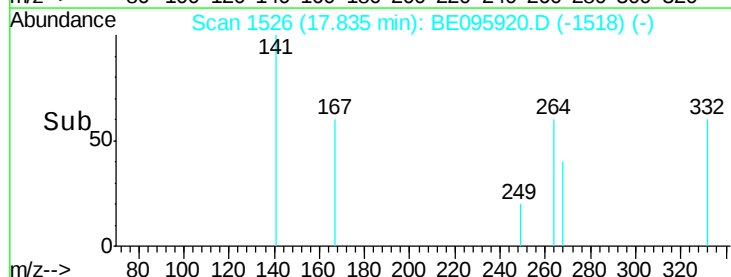
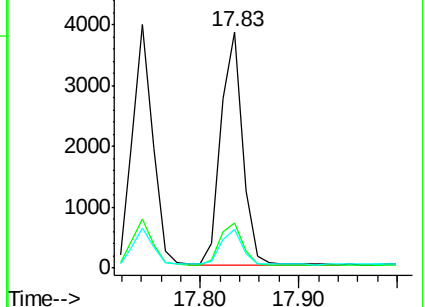
179 15.6 13.0 19.6

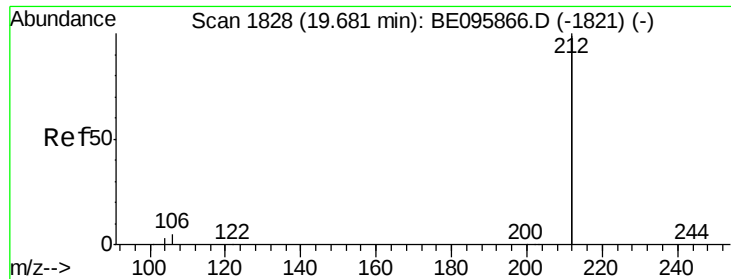


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

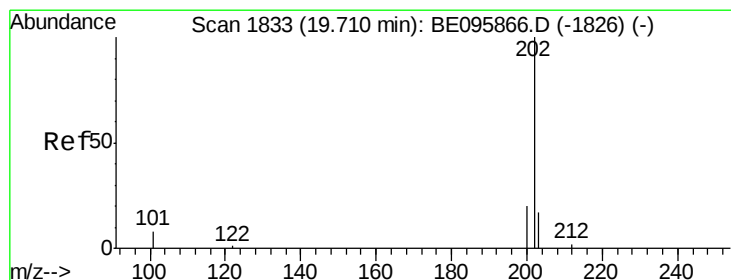
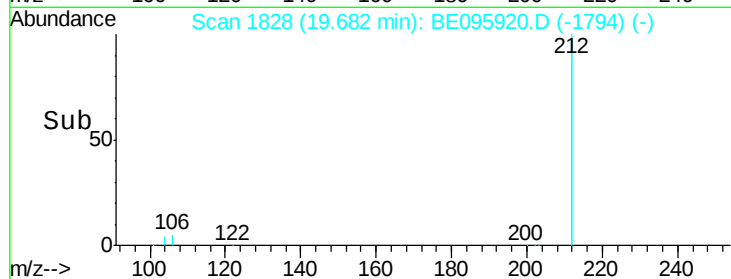
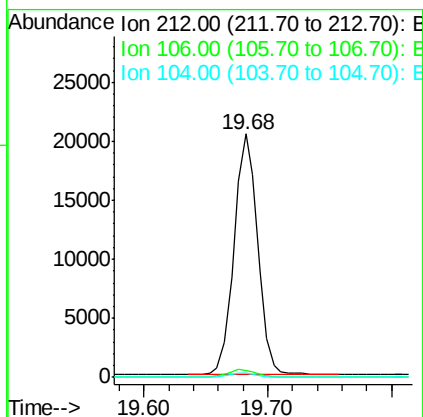
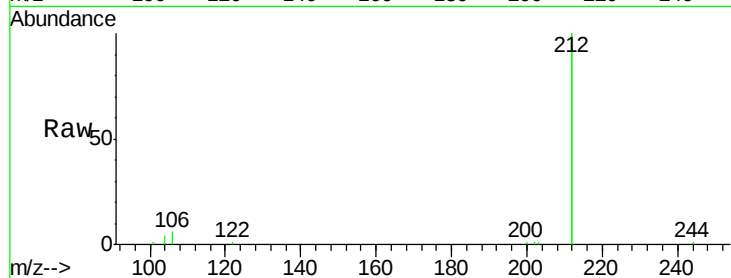




#25  
 Fluoranthene-d10  
 Concen: 0.359 ng  
 RT: 19.68 min Scan# 1828  
 Delta R.T. -0.01 min  
 Lab File: BE095920.D  
 Acq: 2 Apr 2018 10:47

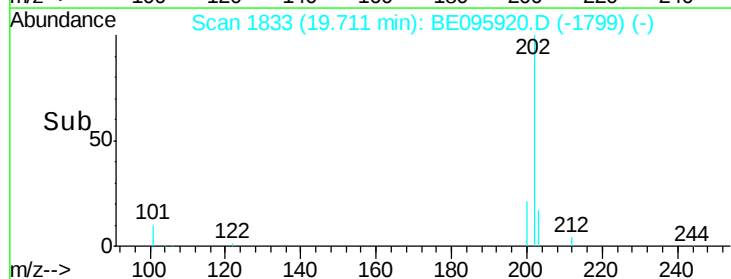
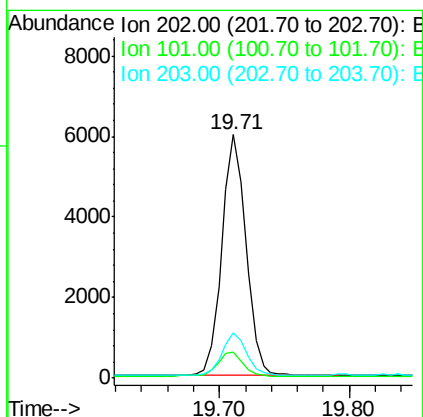
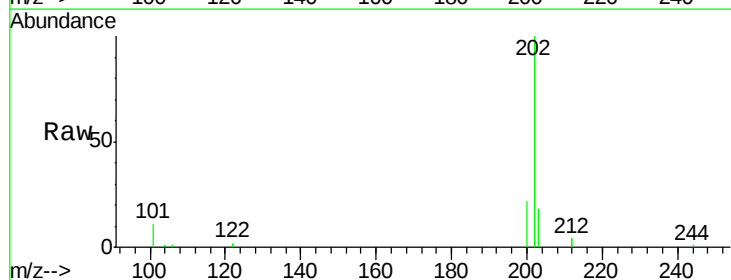
Instrument :  
 BNA\_E  
 ClientSampleId :

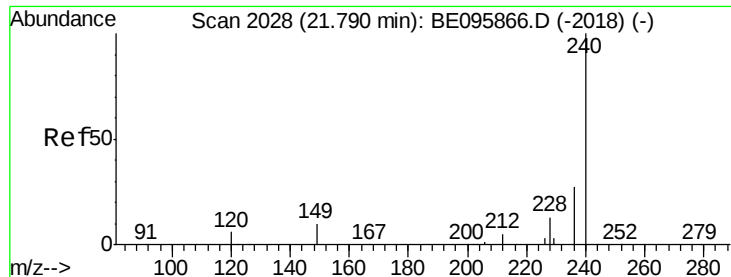
Tot Ion:212 Resp: 27126  
 Ion Ratio Lower Upper  
 212 100  
 106 3.0 2.8 4.2  
 104 1.8 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.362 ng  
 RT: 19.71 min Scan# 1833  
 Delta R.T. -0.01 min  
 Lab File: BE095920.D  
 Acq: 2 Apr 2018 10:47

Tgt Ion:202 Resp: 7659  
 Ion Ratio Lower Upper  
 202 100  
 101 10.5 9.8 14.8  
 203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

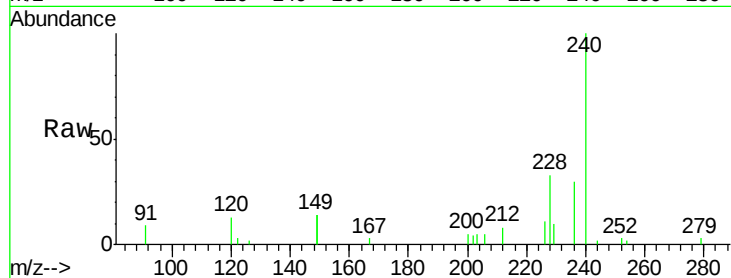
Tot Ion:240 Resp: 6169

Ion Ratio Lower Upper

240 100

120 13.0 5.5 8.3#

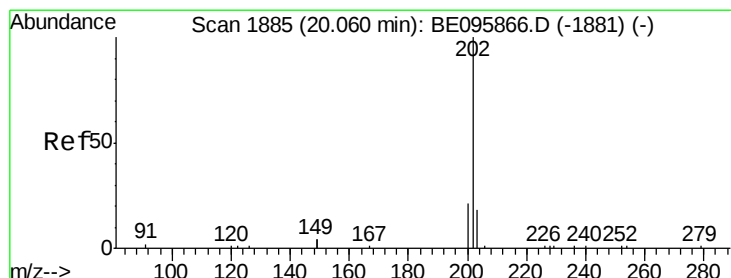
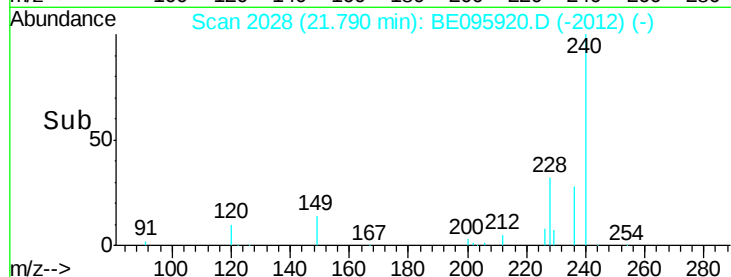
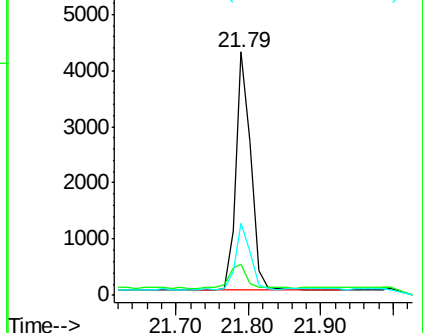
236 29.7 20.7 31.1



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: 0.331 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

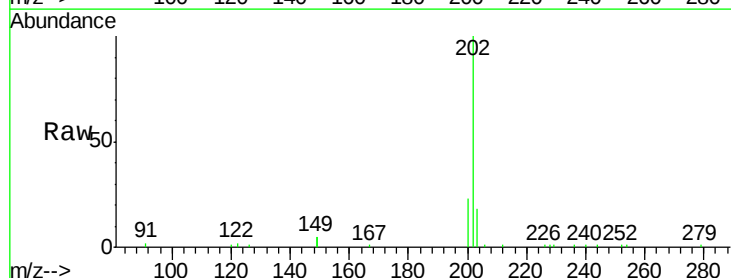
Tgt Ion:202 Resp: 8320

Ion Ratio Lower Upper

202 100

200 25.7 16.6 25.0#

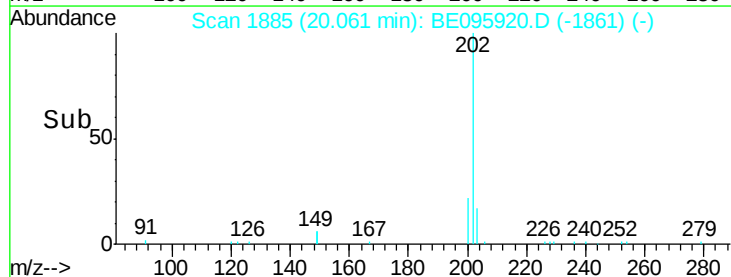
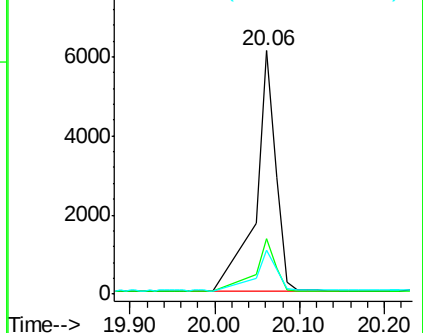
203 23.3 13.8 20.8#

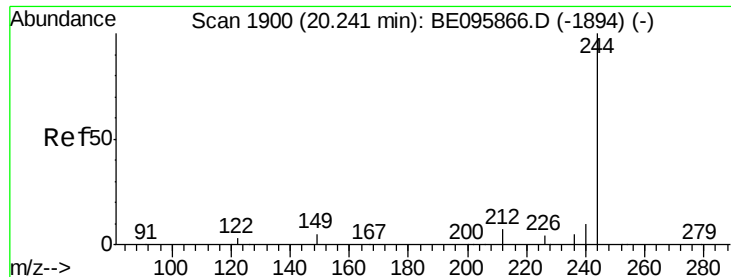


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.484 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :

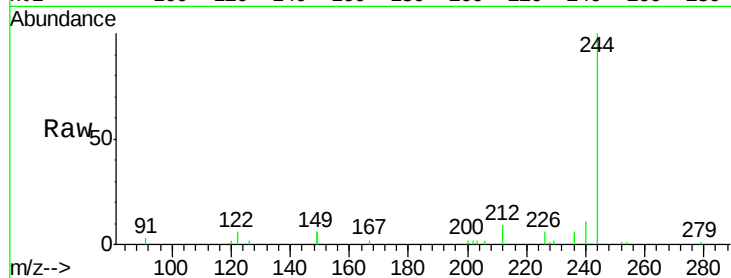
Tot Ion:244 Resp: 6345

Ion Ratio Lower Upper

244 100

212 8.8 25.4 38.0#

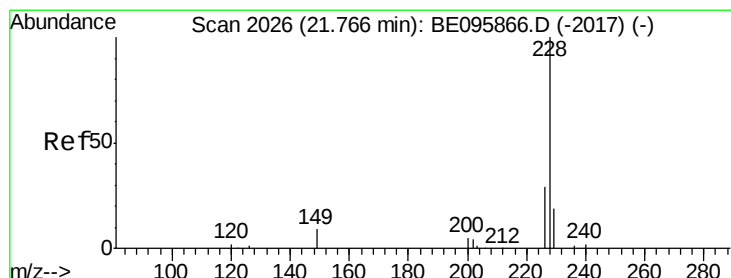
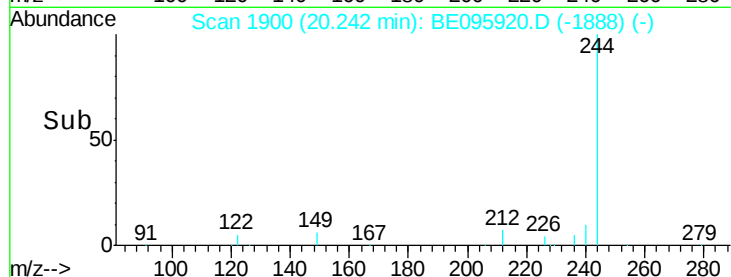
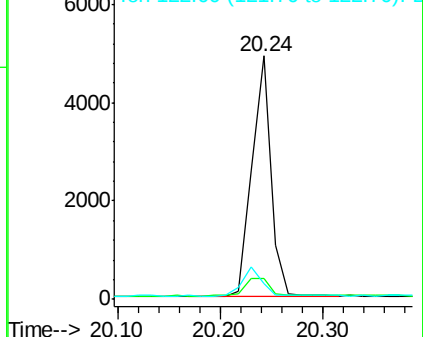
122 6.4 8.1 12.1#



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: 0.376 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

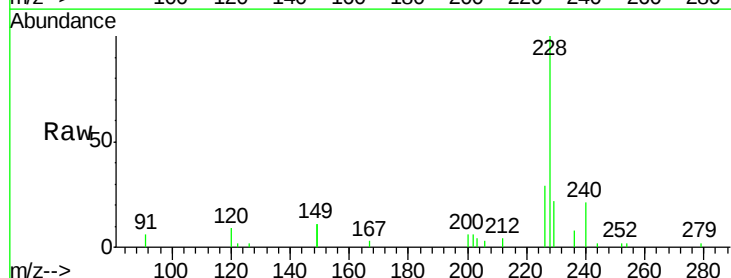
Tgt Ion:228 Resp: 8039

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

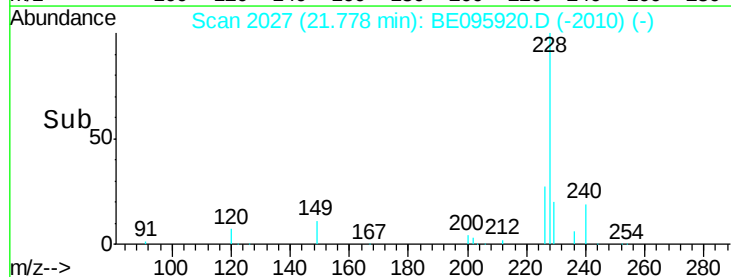
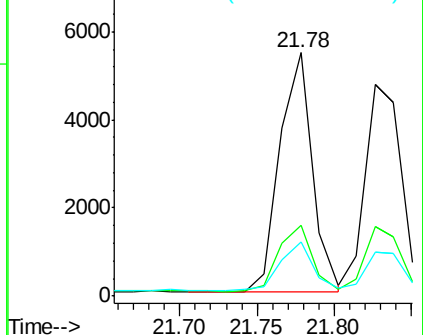
229 22.5 16.0 24.0

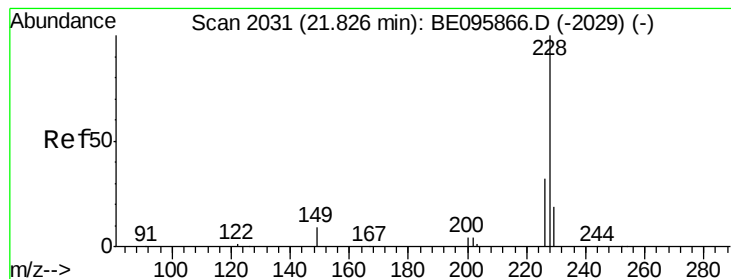


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.390 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

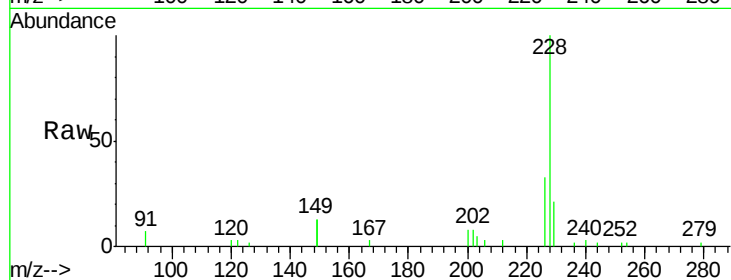
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:228 Resp: 7610

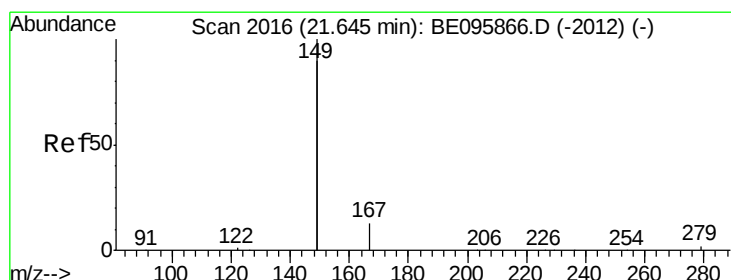
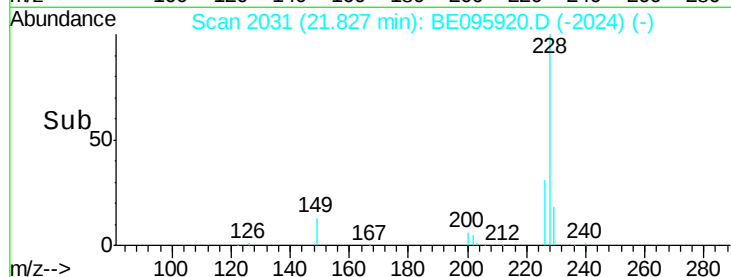
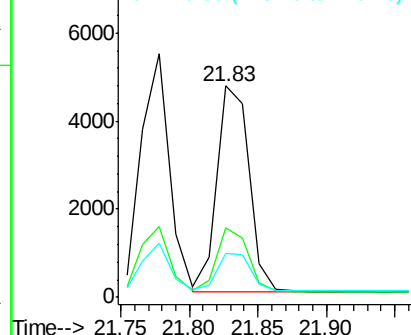
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 33.1  | 24.0  | 36.0  |
| 229 | 21.0  | 16.0  | 24.0  |



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.315 ng

RT: 21.65 min Scan# 2016

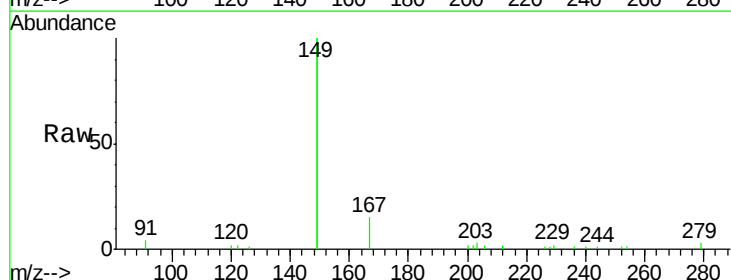
Delta R.T. 0.00 min

Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Tgt Ion:149 Resp: 20630

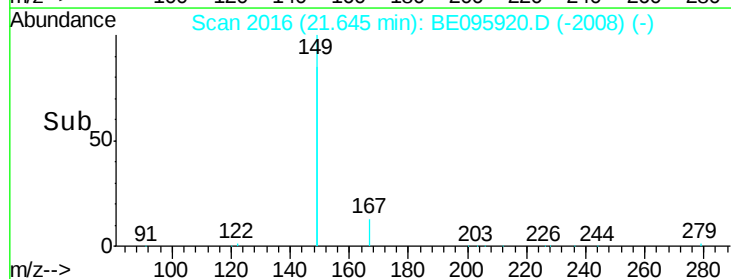
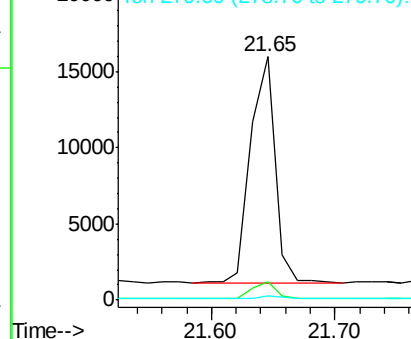
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.9   | 5.4   | 8.0   |
| 279 | 0.9   | 0.7   | 1.1   |

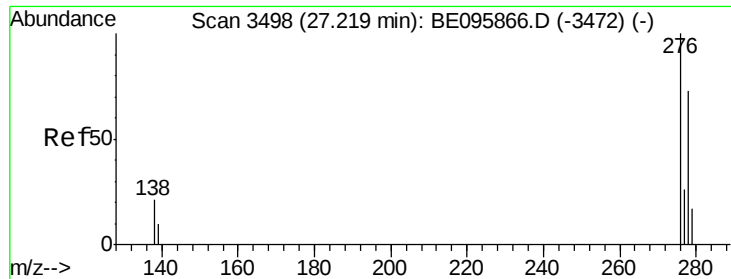


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

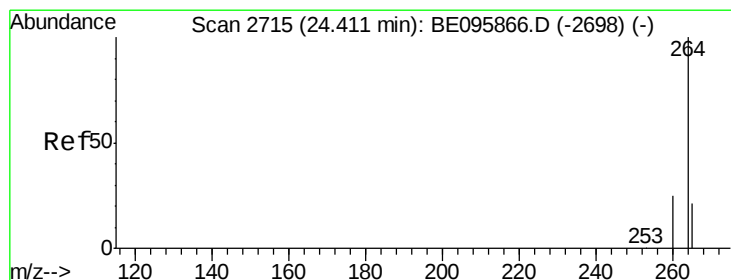
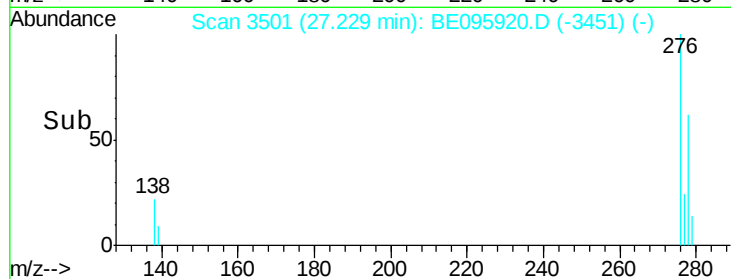
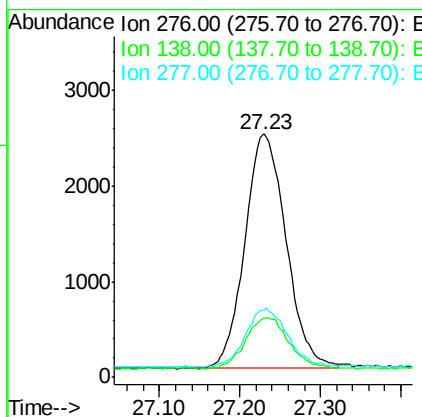
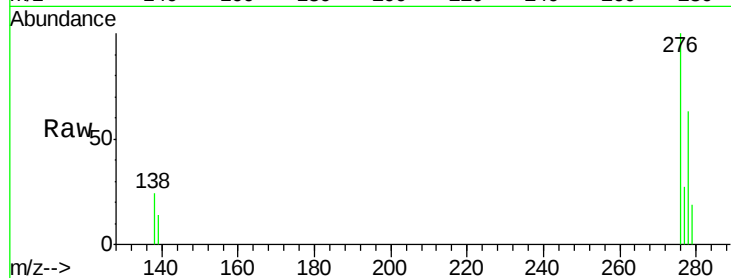




#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.417 ng  
RT: 27.23 min Scan# 3501  
Delta R.T. -0.02 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

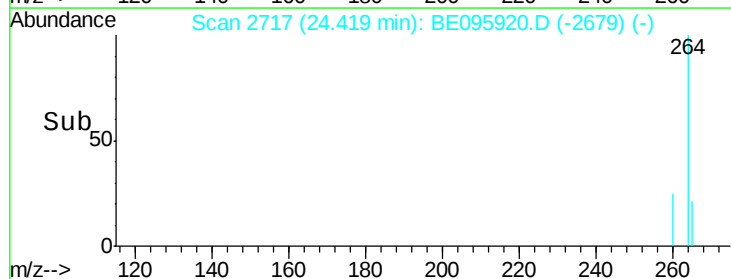
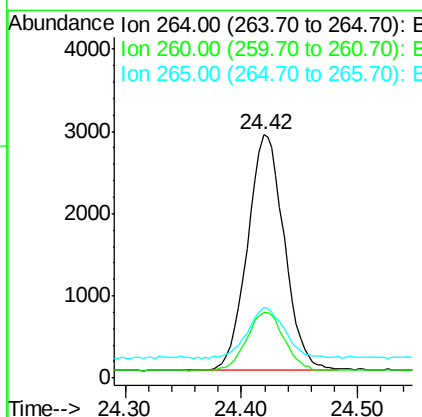
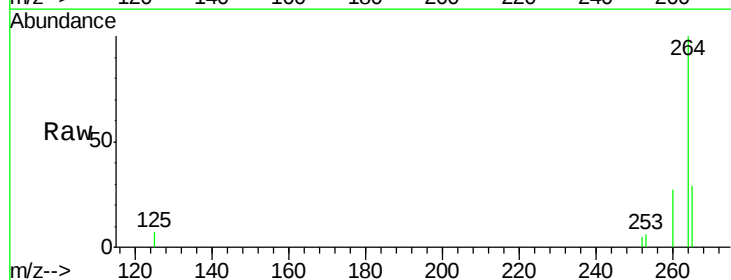
Instrument :  
BNA\_E  
ClientSampleId :

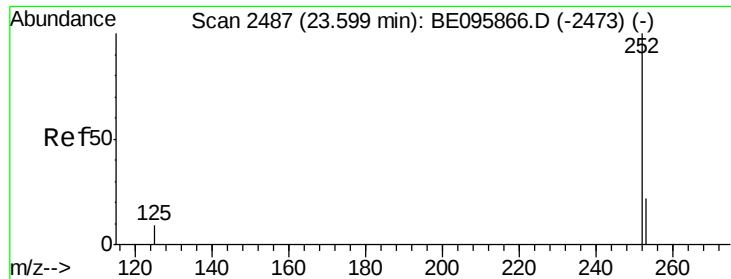
Tot Ion:276 Resp: 8771  
Ion Ratio Lower Upper  
276 100  
138 23.3 22.5 33.7  
277 25.5 19.9 29.9



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.42 min Scan# 2717  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Tgt Ion:264 Resp: 6302  
Ion Ratio Lower Upper  
264 100  
260 27.0 20.5 30.7  
265 28.9 22.8 34.2

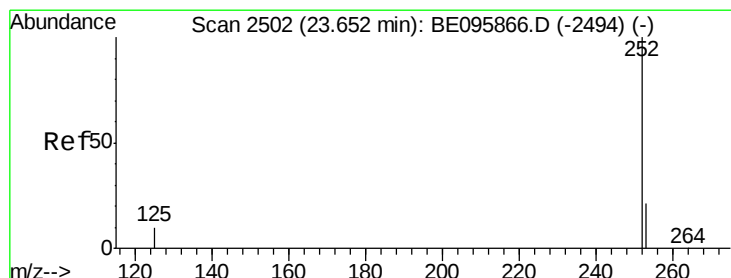
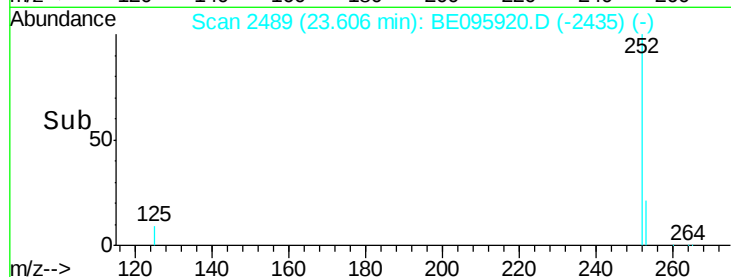
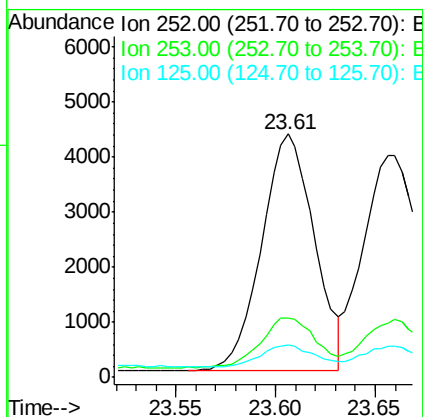
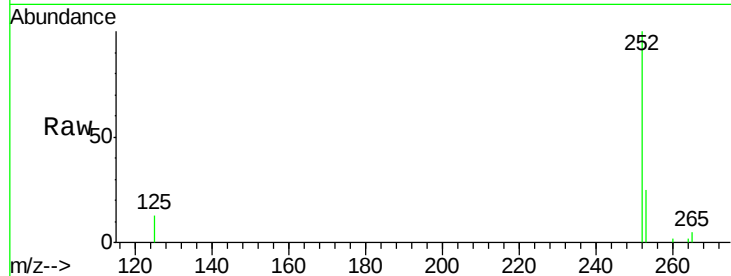




#35  
Benzo(b)fluoranthene  
Concen: 0.378 ng  
RT: 23.61 min Scan# 2489  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

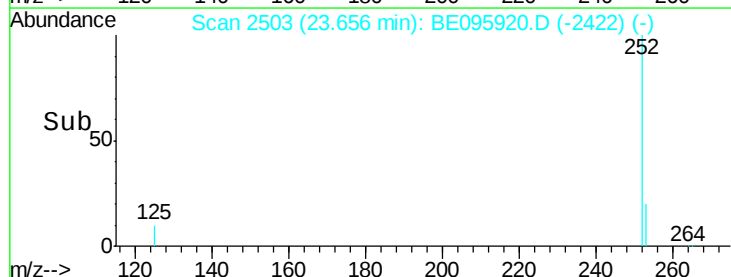
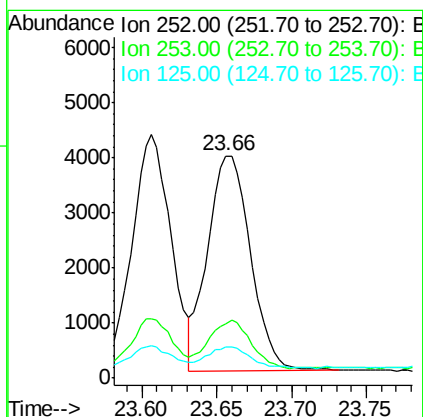
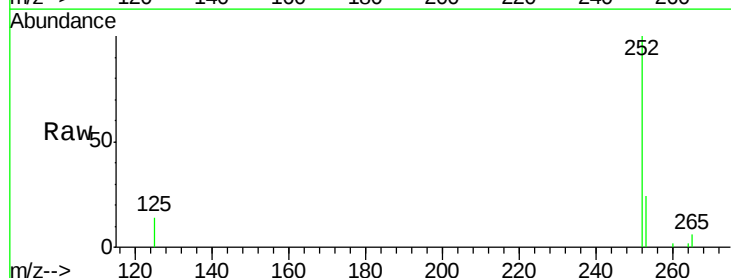
Instrument :  
BNA\_E  
ClientSampleId :

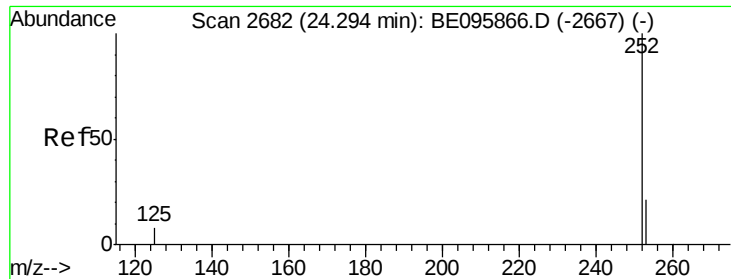
Tot Ion:252 Resp: 7890  
Ion Ratio Lower Upper  
252 100  
253 24.6 20.0 30.0  
125 13.1 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.372 ng  
RT: 23.66 min Scan# 2503  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Tgt Ion:252 Resp: 7753  
Ion Ratio Lower Upper  
252 100  
253 24.5 16.0 24.0#  
125 13.9 8.0 12.0#

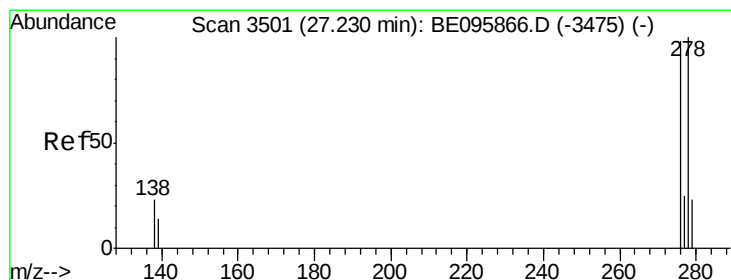
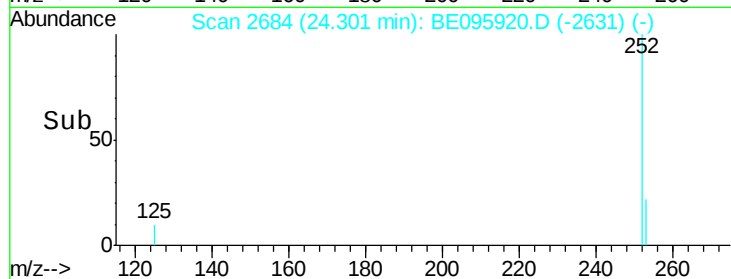
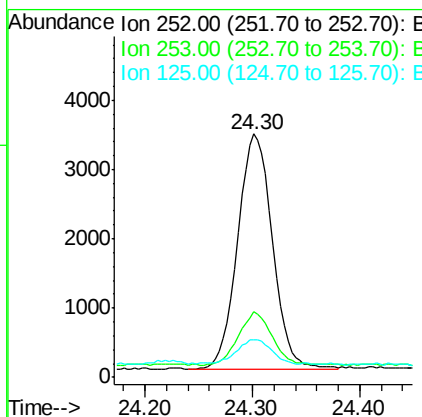
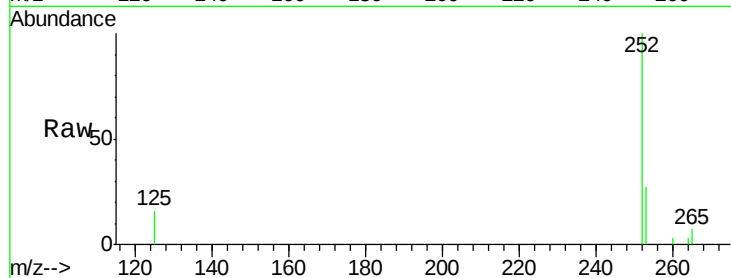




#37  
Benzo(a)pyrene  
Concen: 0.391 ng  
RT: 24.30 min Scan# 2684  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

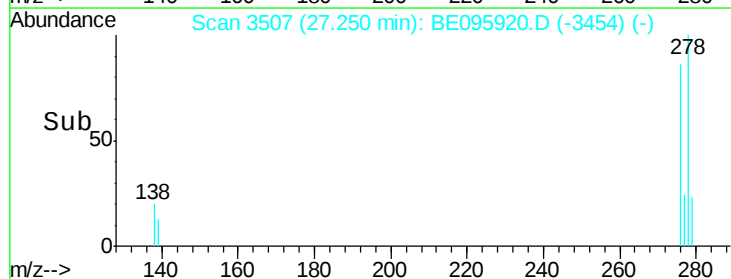
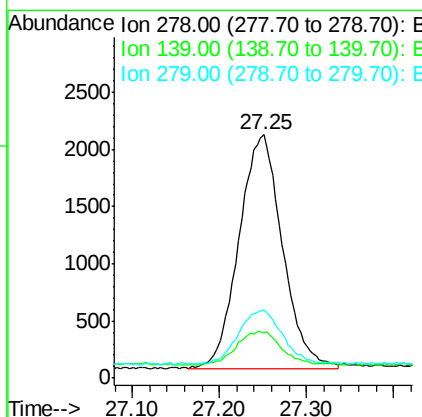
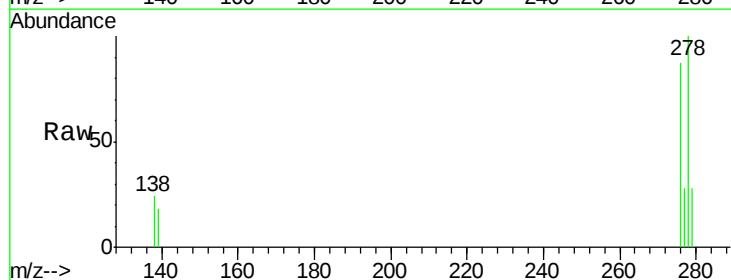
Instrument :  
BNA\_E  
ClientSampleId :

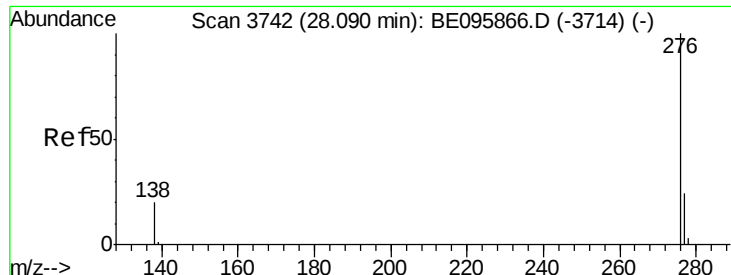
Tot Ion:252 Resp: 7633  
Ion Ratio Lower Upper  
252 100  
253 27.0 16.0 24.0#  
125 15.5 12.0 18.0



#38  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng  
RT: 27.25 min Scan# 3507  
Delta R.T. -0.01 min  
Lab File: BE095920.D  
Acq: 2 Apr 2018 10:47

Tgt Ion:278 Resp: 7066  
Ion Ratio Lower Upper  
278 100  
139 18.3 16.0 24.0  
279 27.8 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.396 ng

RT: 28.11 min Scan# 3747

Delta R.T. -0.02 min

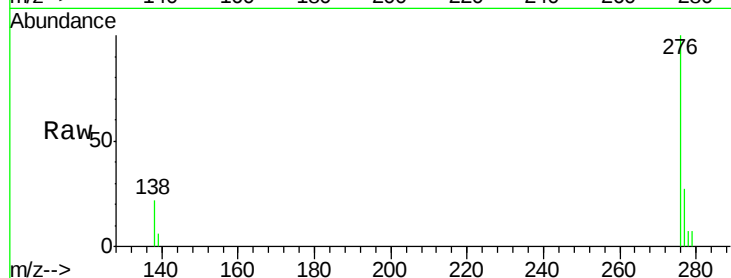
Lab File: BE095920.D

Acq: 2 Apr 2018 10:47

Instrument :

BNA\_E

ClientSampleId :



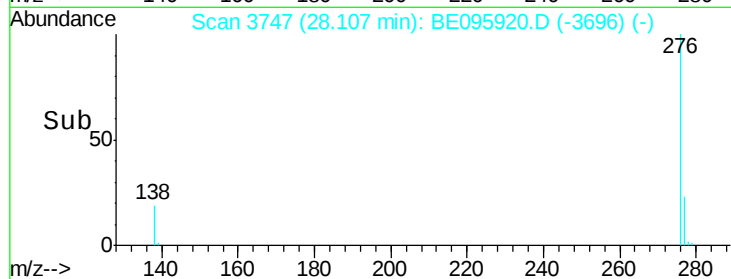
Tot Ion: 276 Resp: 7388

Ion Ratio Lower Upper

276 100

277 27.3 16.0 24.0#

138 22.1 20.0 30.0



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

