

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061818\  
 Data File : BE096809.D  
 Acq On : 18 Jun 2018 15:28  
 Operator : SJ/JU  
 Sample : PB110224BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB110224BS

Quant Time: Jun 18 16:23:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 18 13:28:13 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 3994     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 16340    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.03 | 164  | 6594     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.78 | 188  | 14722    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 15264    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.22 | 264  | 14293    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.06  | 112 | 2697  | 0.31 | ng | 0.00 |
| 5) Phenol-d6                | 6.59  | 99  | 3542  | 0.27 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 2543  | 0.28 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.74 | 152 | 8116  | 0.31 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330 | 238   | 0.22 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.64 | 172 | 8510  | 0.31 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.82 | 212 | 37693 | 0.26 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.44 | 244 | 7922  | 0.23 | ng | 0.00 |

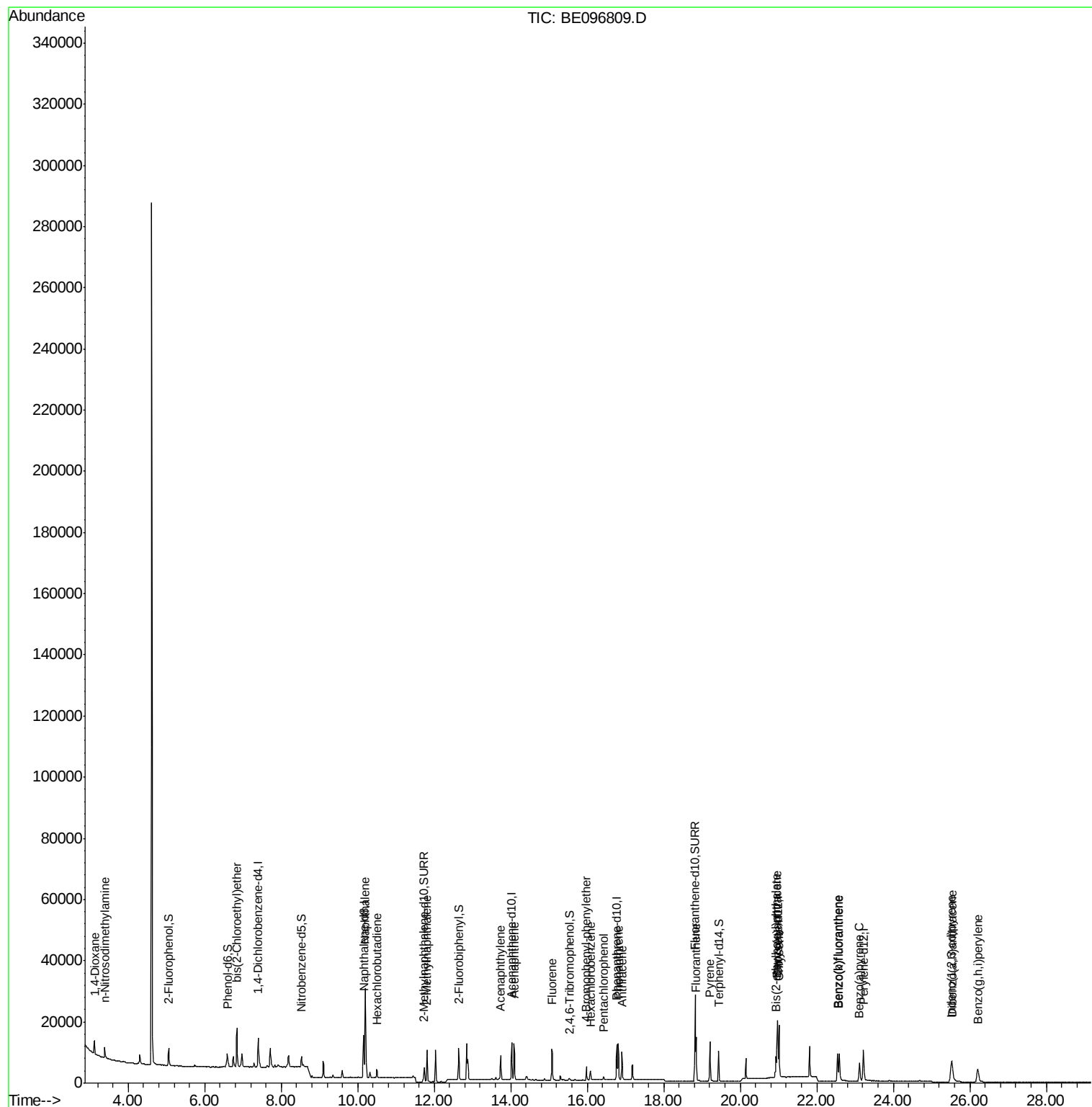
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.12  | 88  | 2732  | 0.423  | ng | # 82 |
| 3) n-Nitrosodimethylamine      | 3.39  | 42  | 2196  | 0.322  | ng | # 86 |
| 6) bis(2-Chloroethyl)ether     | 6.85  | 93  | 4286  | 0.278  | ng | 96   |
| 9) Naphthalene                 | 10.20 | 128 | 49310 | 0.307  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.50 | 225 | 1904  | 0.284  | ng | 97   |
| 12) 2-Methylnaphthalene        | 11.81 | 142 | 7407  | 0.275  | ng | 99   |
| 16) Acenaphthylene             | 13.74 | 152 | 8457  | 0.272  | ng | 100  |
| 17) Acenaphthene               | 14.08 | 154 | 5857  | 0.280  | ng | # 94 |
| 18) Fluorene                   | 15.07 | 166 | 6439  | 0.260  | ng | # 80 |
| 20) 4-Bromophenyl-phenylether  | 15.98 | 248 | 1945  | 0.271  | ng | # 82 |
| 21) Hexachlorobenzene          | 16.09 | 284 | 2376  | 0.282  | ng | # 80 |
| 22) Pentachlorophenol          | 16.43 | 266 | 507   | 0.382  | ng | # 78 |
| 23) Phenanthrene               | 16.81 | 178 | 11658 | 0.291  | ng | 98   |
| 24) Anthracene                 | 16.90 | 178 | 9315  | 0.284  | ng | 95   |
| 26) Fluoranthene               | 18.84 | 202 | 12055 | 0.285  | ng | 99   |
| 28) Pyrene                     | 19.21 | 202 | 11808 | 0.235  | ng | 99   |
| 30) Benzo(a)anthracene         | 20.97 | 228 | 10870 | 0.294  | ng | 96   |
| 31) Chrysene                   | 21.02 | 228 | 14046 | 0.301  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149 | 8197  | 0.295  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 25.51 | 276 | 11769 | 0.336  | ng | 94   |
| 35) Benzo(b)fluoranthene       | 22.54 | 252 | 11723 | 0.298  | ng | # 88 |
| 36) Benzo(k)fluoranthene       | 22.59 | 252 | 13731 | 0.294  | ng | 95   |
| 37) Benzo(a)pyrene             | 23.11 | 252 | 9648  | 0.283  | ng | 93   |
| 38) Dibenzo(a,h)anthracene     | 25.53 | 278 | 9756  | 0.317  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 26.21 | 276 | 11078 | 0.306  | ng | # 92 |

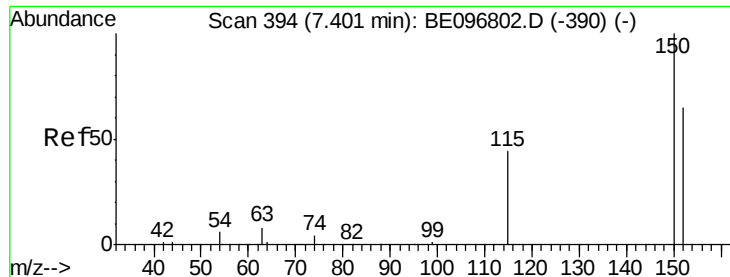
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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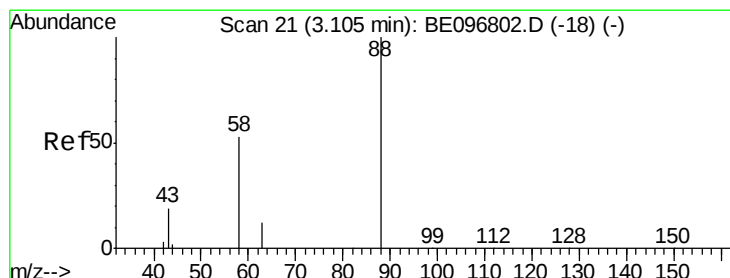
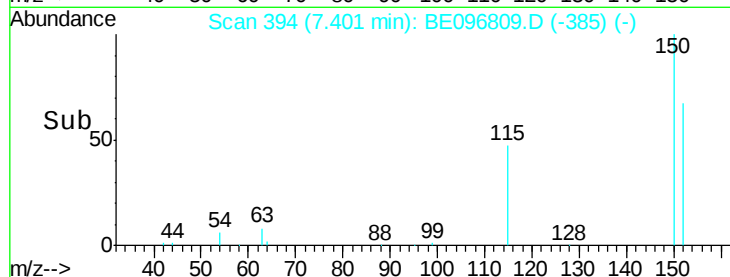
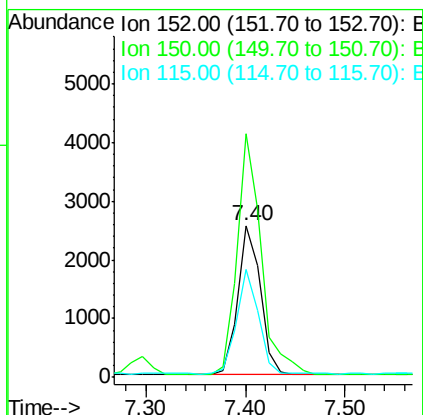
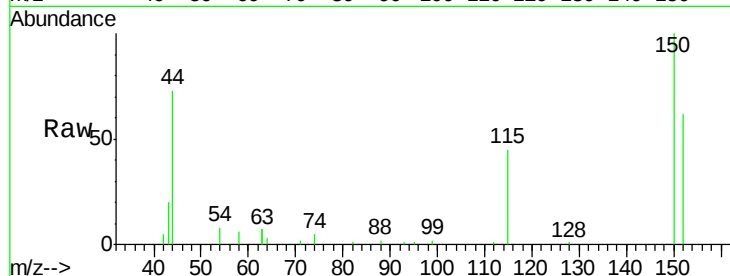


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. 0.00 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

Instrument :  
BNA\_E  
ClientSampleId :  
PB110224BS

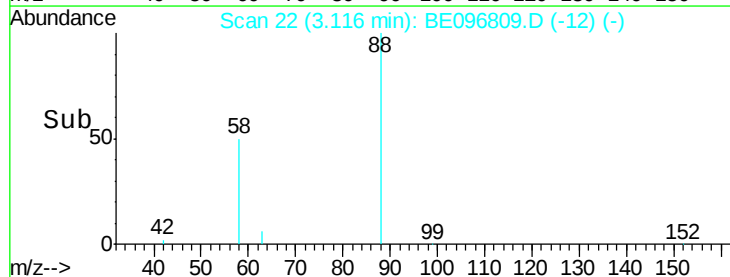
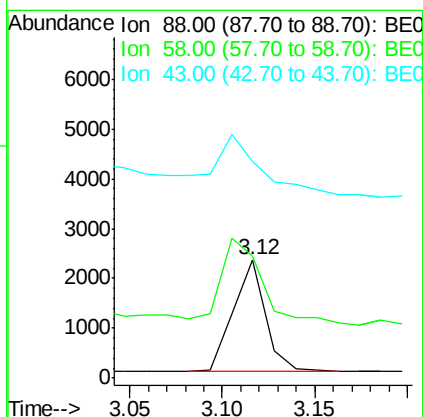
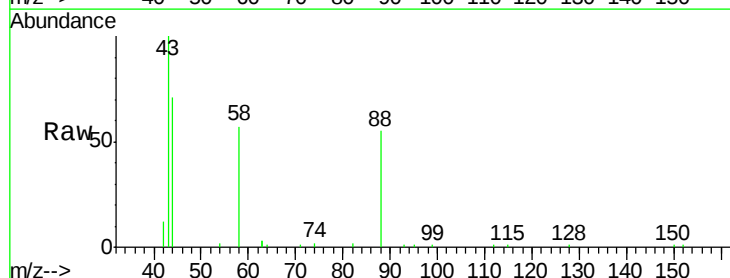
Tgt Ion:152 Resp: 3994  
Ion Ratio Lower Upper  
152 100  
150 160.5 117.2 175.8  
115 71.5 57.0 85.6

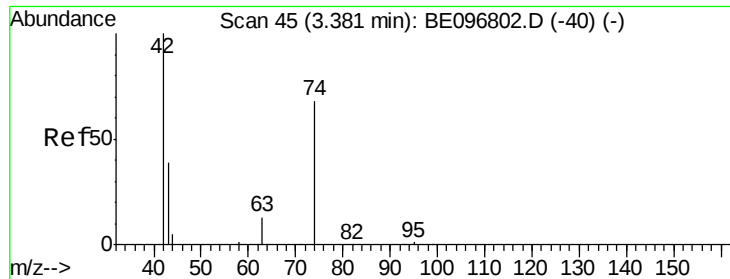


#2

1,4-Dioxane  
Concen: 0.423 ng  
RT: 3.12 min Scan# 22  
Delta R.T. 0.01 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

Tgt Ion: 88 Resp: 2732  
Ion Ratio Lower Upper  
88 100  
58 90.5 63.2 94.8  
43 70.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.322 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

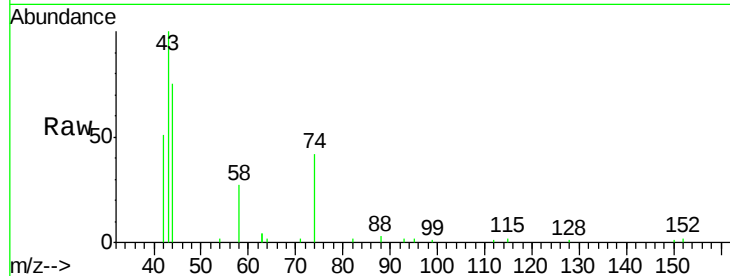
Tgt Ion: 42 Resp: 2196

Ion Ratio Lower Upper

42 100

74 107.1 96.0 144.0

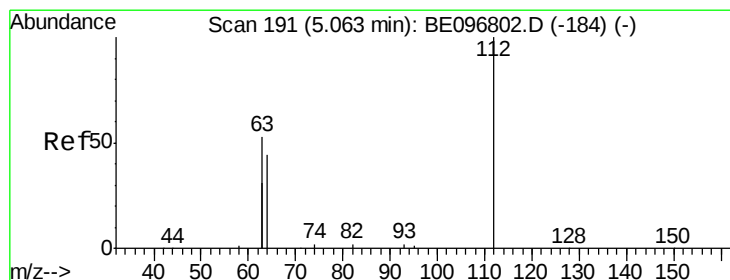
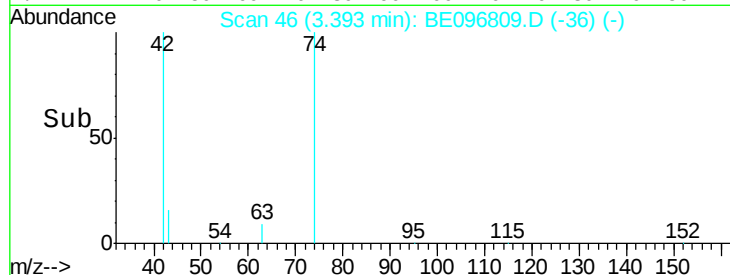
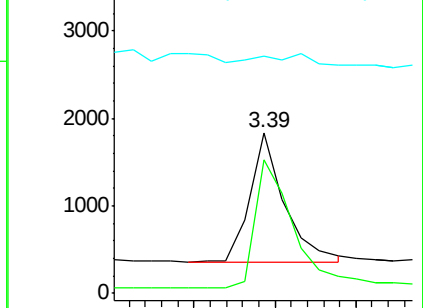
44 0.0 12.0 18.0#



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: 0.309 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

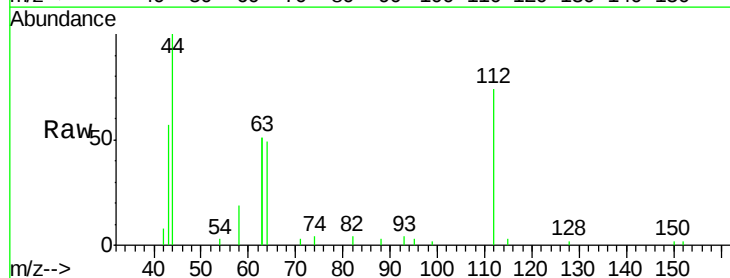
Tgt Ion: 112 Resp: 2697

Ion Ratio Lower Upper

112 100

64 68.9 60.1 90.1

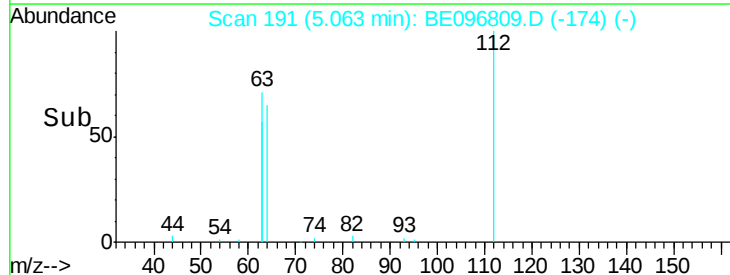
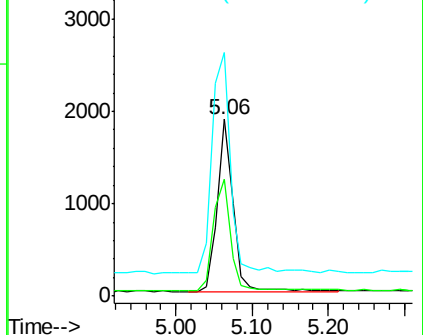
63 150.1 116.8 175.2

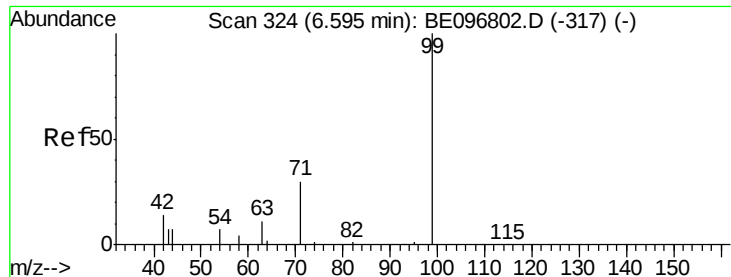


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.271 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

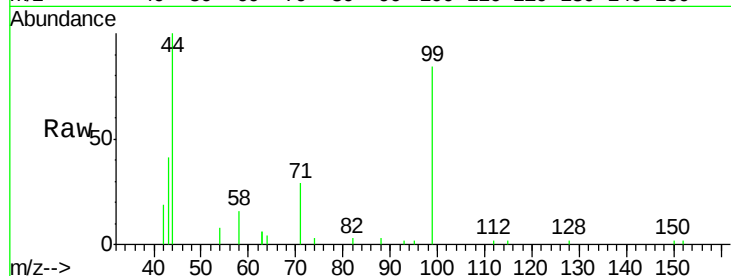
Tgt Ion: 99 Resp: 3542

Ion Ratio Lower Upper

99 100

42 25.6 20.2 30.2

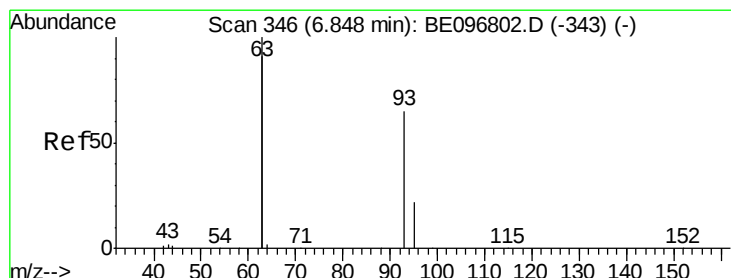
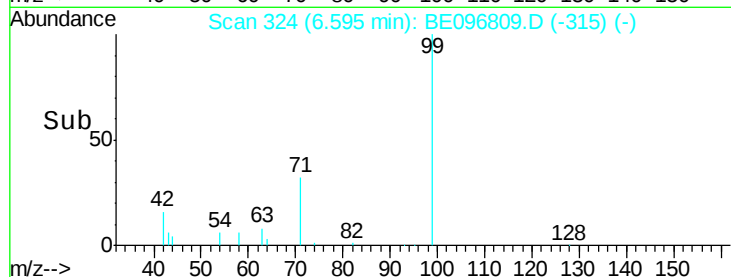
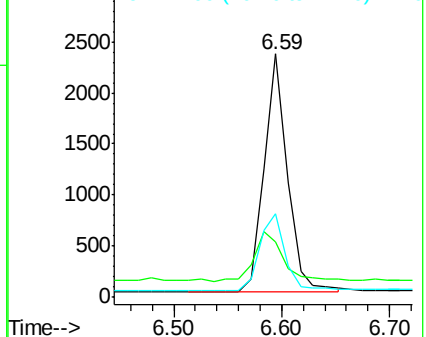
71 35.1 28.4 42.6



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: 0.278 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

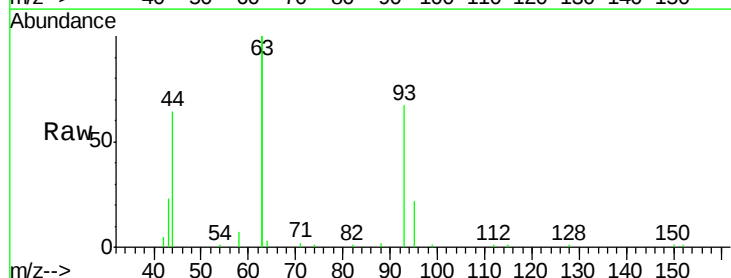
Tgt Ion: 93 Resp: 4286

Ion Ratio Lower Upper

93 100

63 334.1 275.3 412.9

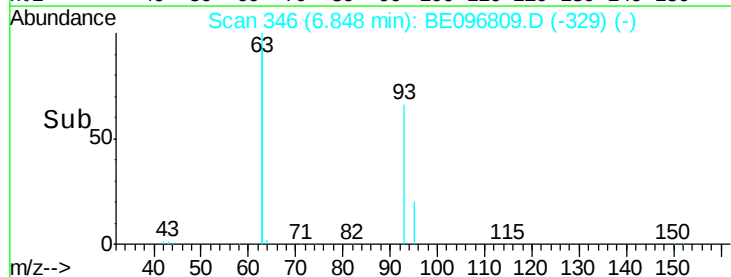
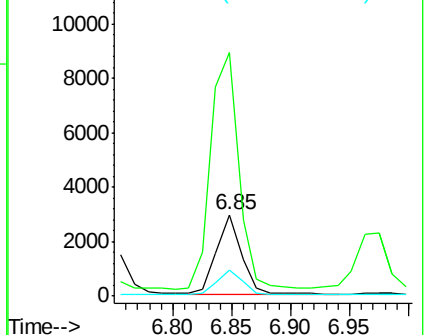
95 32.3 25.2 37.8

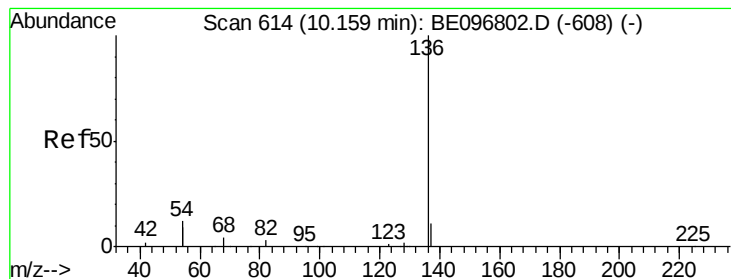


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

Tgt Ion:136 Resp: 16340

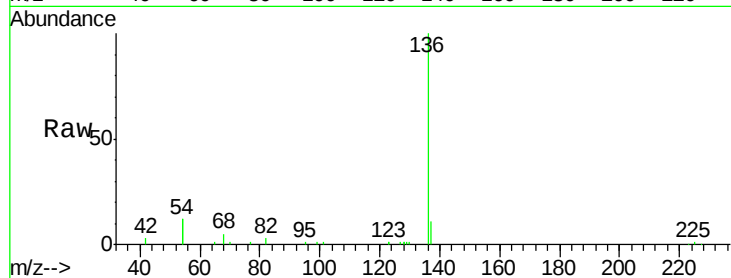
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 23.0 29.1 43.7#

68 5.0 6.2 9.2#

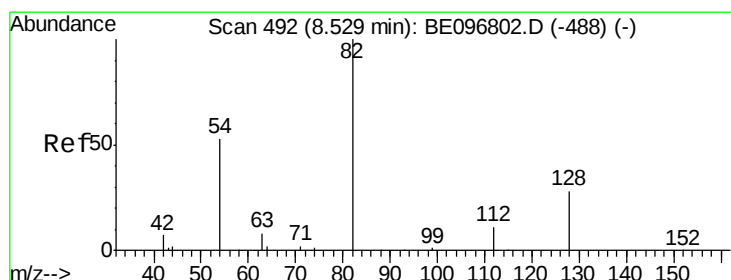
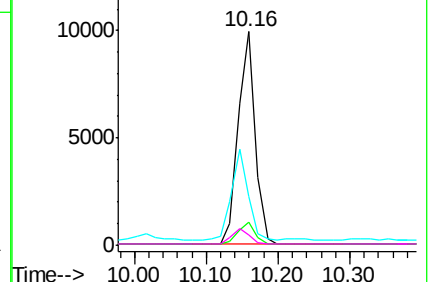
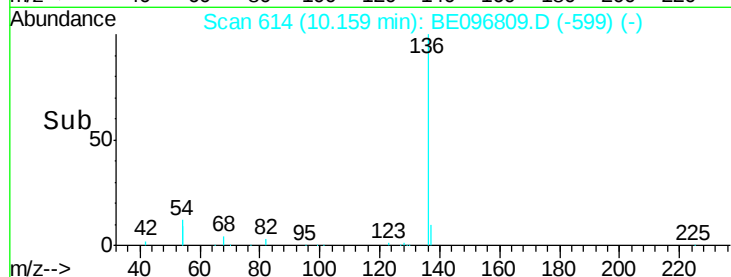


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.280 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

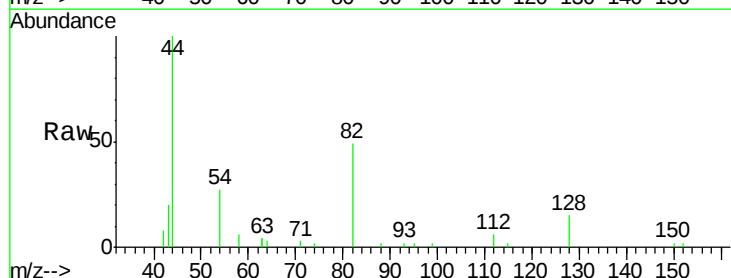
Tgt Ion: 82 Resp: 2543

Ion Ratio Lower Upper

82 100

128 30.7 24.0 36.0

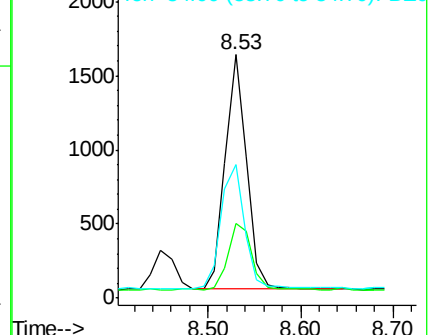
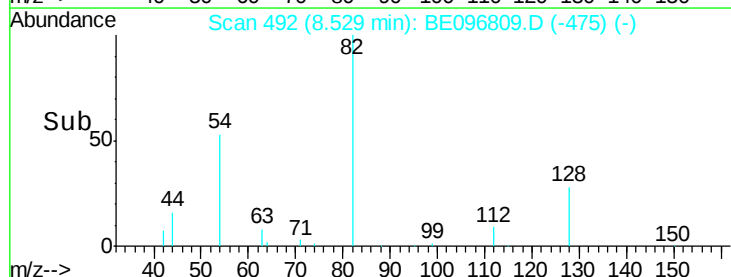
54 54.8 40.0 60.0

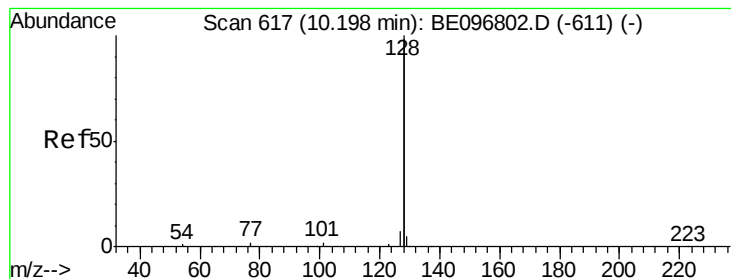


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.307 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

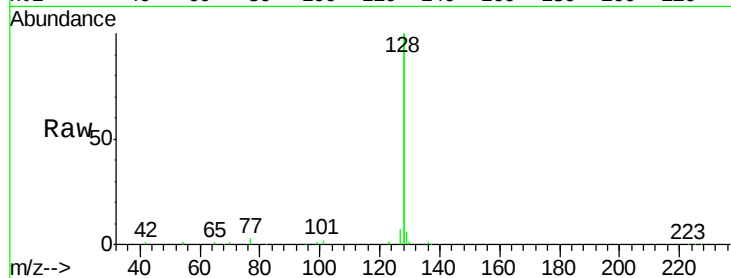
Tgt Ion:128 Resp: 49310

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

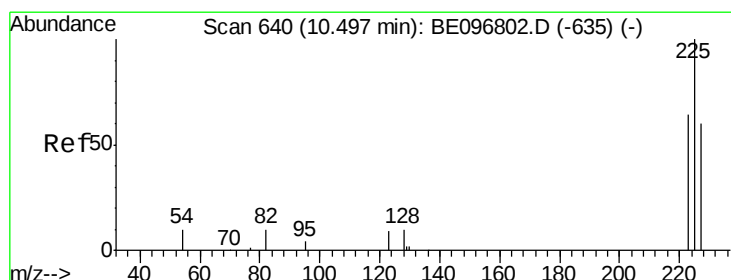
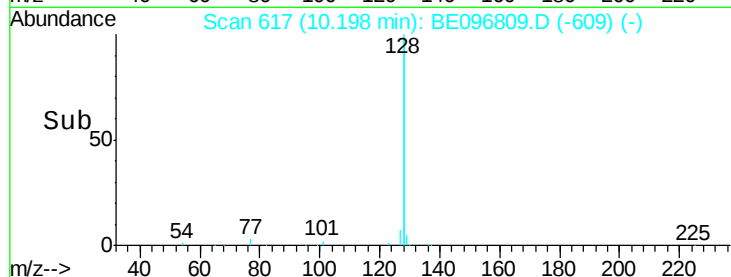
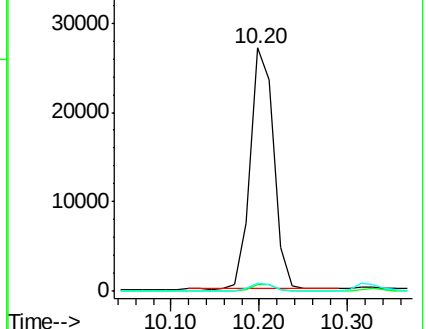
127 3.5 2.8 4.2



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: 0.284 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

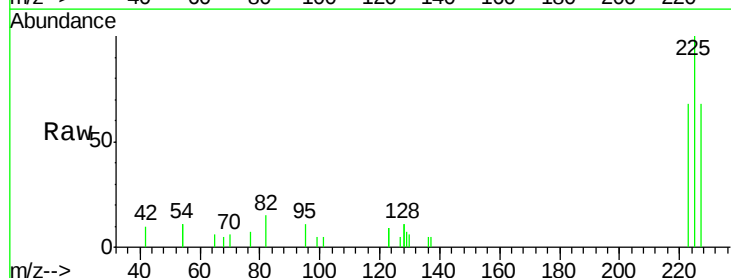
Tgt Ion:225 Resp: 1904

Ion Ratio Lower Upper

225 100

223 63.5 53.0 79.6

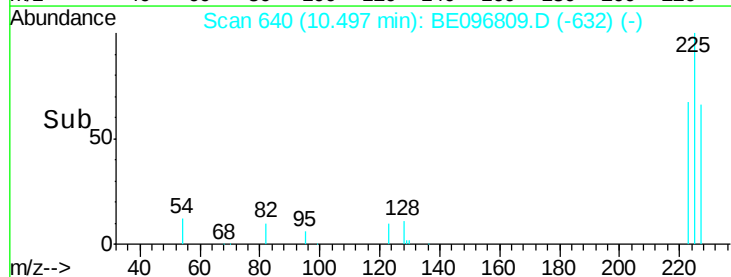
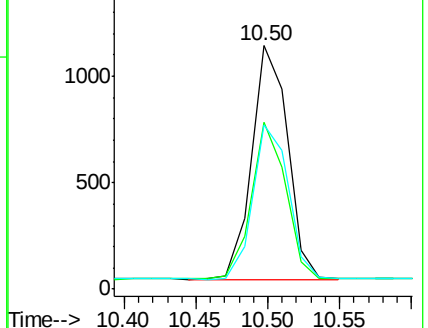
227 65.7 51.4 77.2

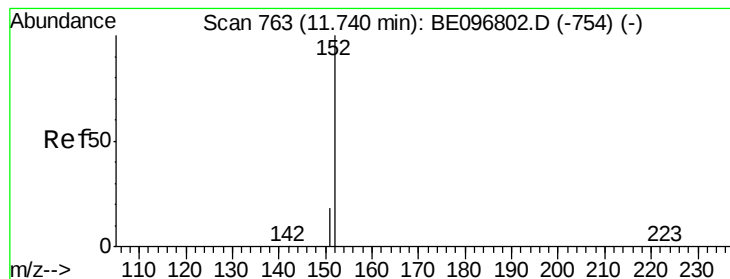


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

RT: 11.74 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

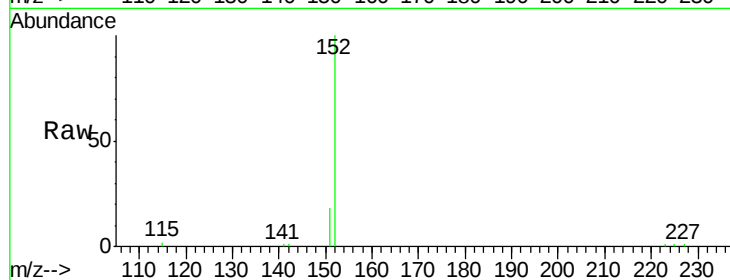
PB110224BS

Tgt Ion:152 Resp: 8116

Ion Ratio Lower Upper

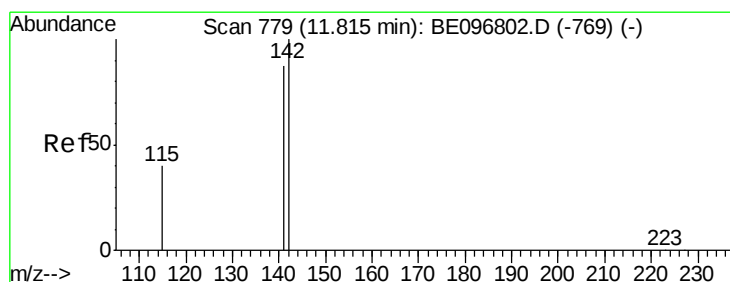
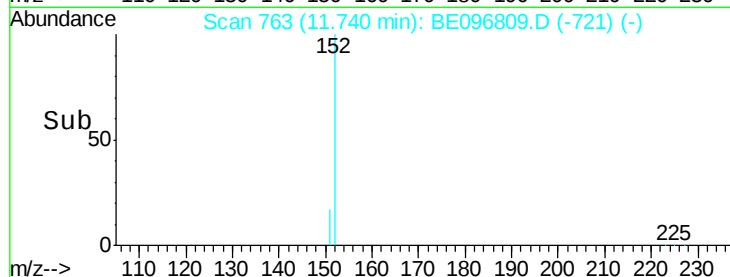
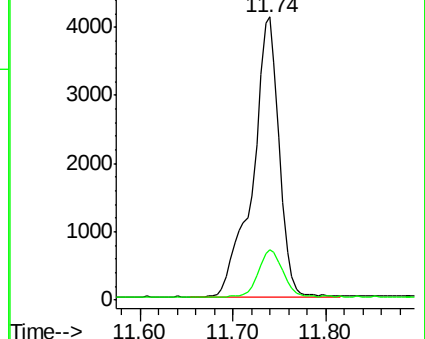
152 100

151 15.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.275 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

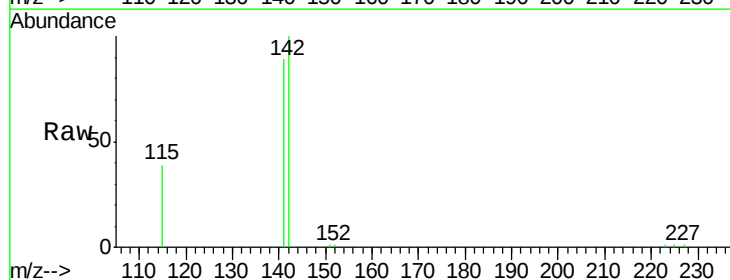
Tgt Ion:142 Resp: 7407

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6

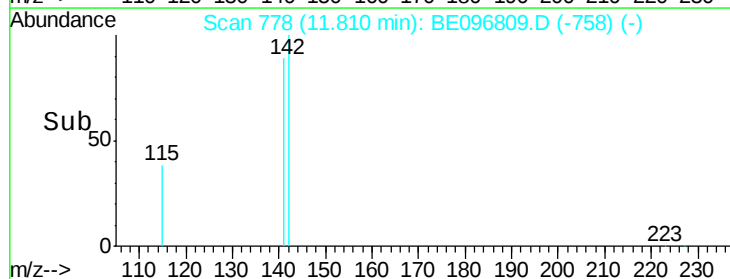
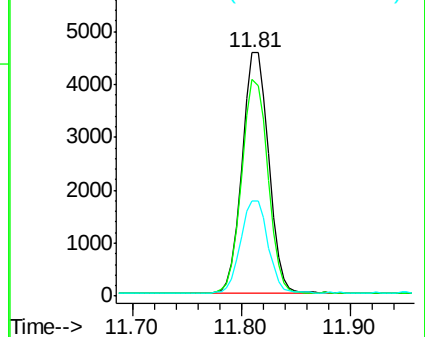
115 39.2 31.7 47.5

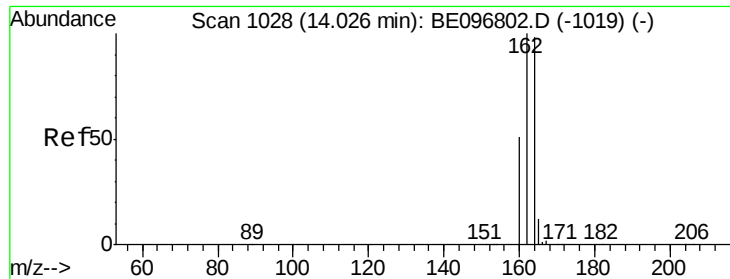


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

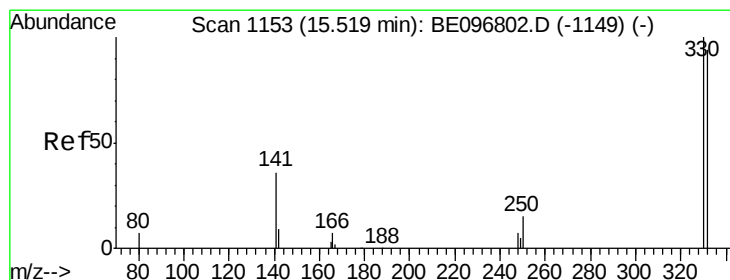
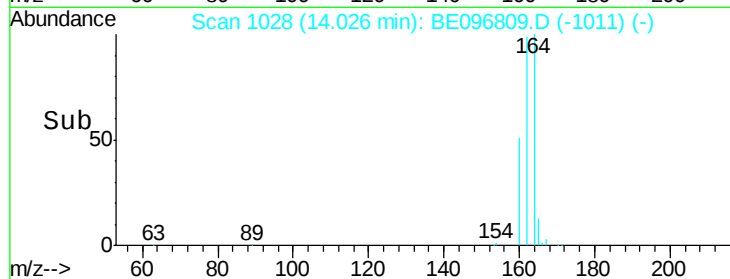
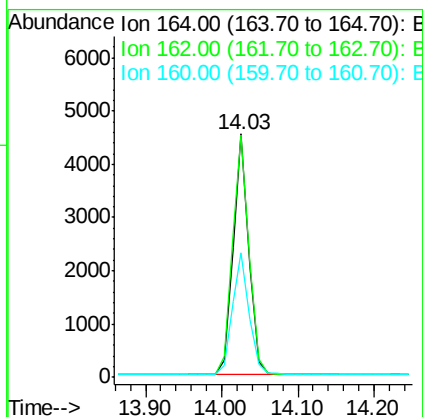
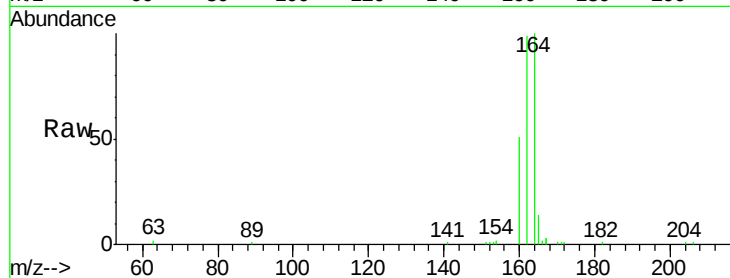




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.03 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

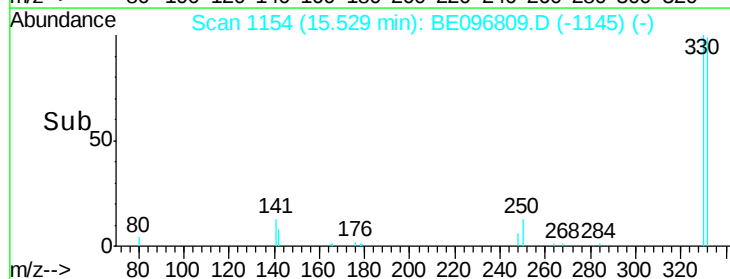
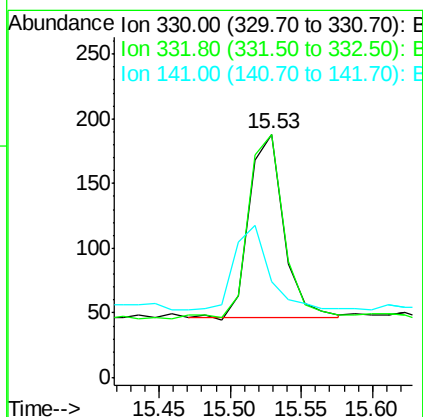
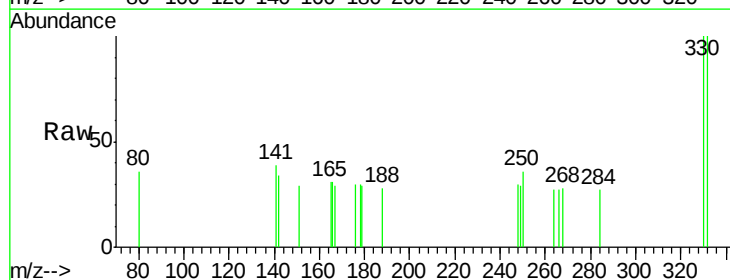
Instrument :  
BNA\_E  
ClientSampleId :  
PB110224BS

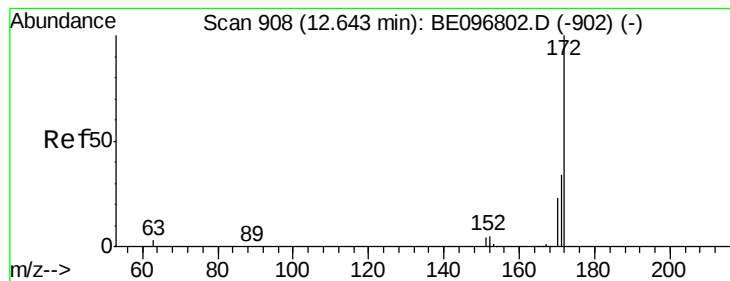
Tgt Ion:164 Resp: 6594  
Ion Ratio Lower Upper  
164 100  
162 99.3 83.1 124.7  
160 51.4 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.218 ng  
RT: 15.53 min Scan# 1154  
Delta R.T. 0.01 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

Tgt Ion:330 Resp: 238  
Ion Ratio Lower Upper  
330 100  
332 105.9 152.7 229.1#  
141 47.1 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.314 ng

RT: 12.64 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

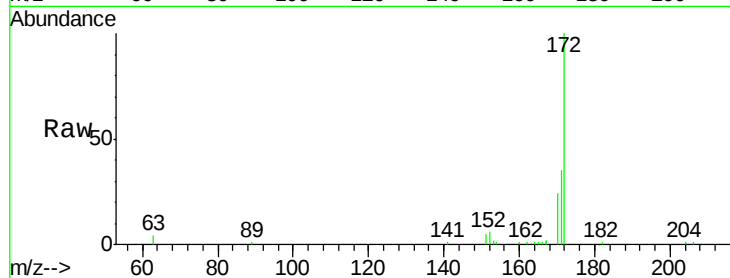
Tgt Ion:172 Resp: 8510

Ion Ratio Lower Upper

172 100

171 35.4 29.9 44.9

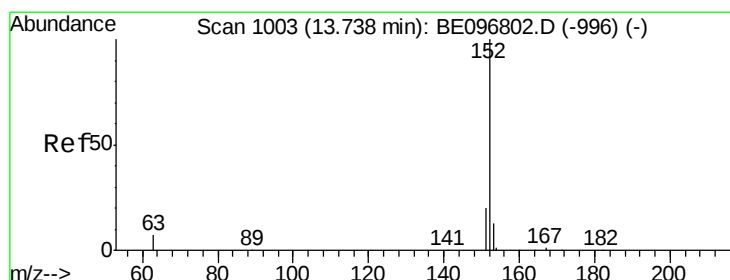
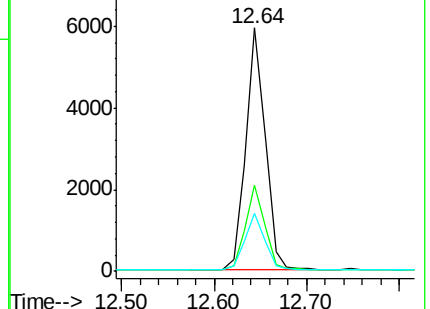
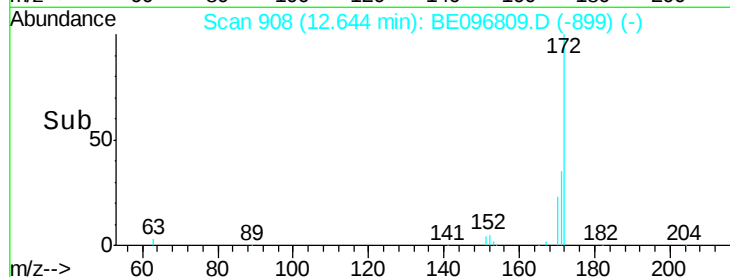
170 23.8 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.272 ng

RT: 13.74 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

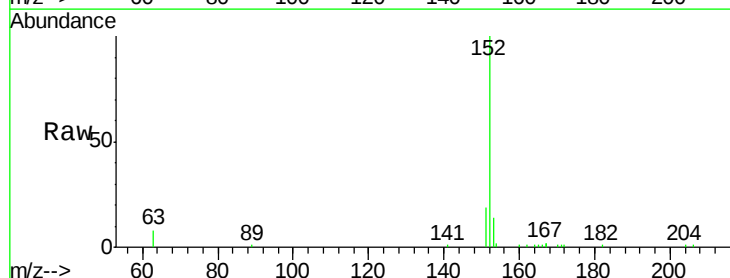
Tgt Ion:152 Resp: 8457

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

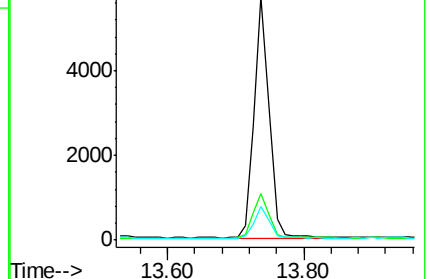
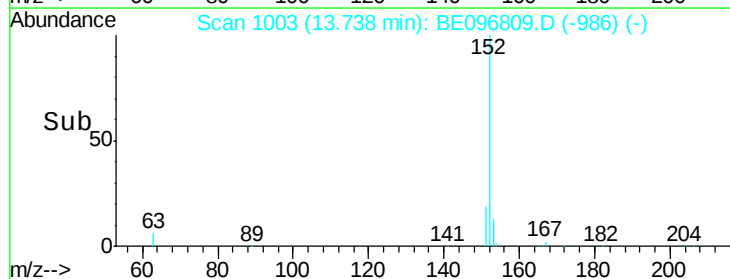
153 13.0 10.5 15.7

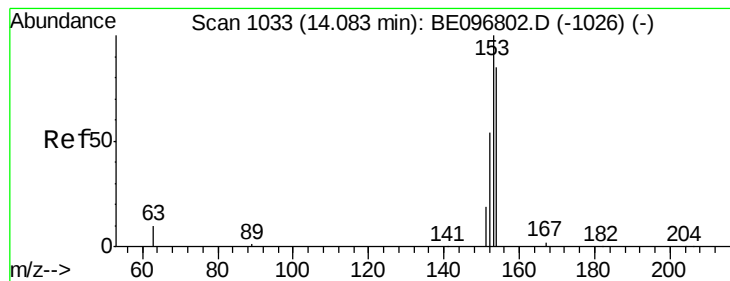


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.280 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

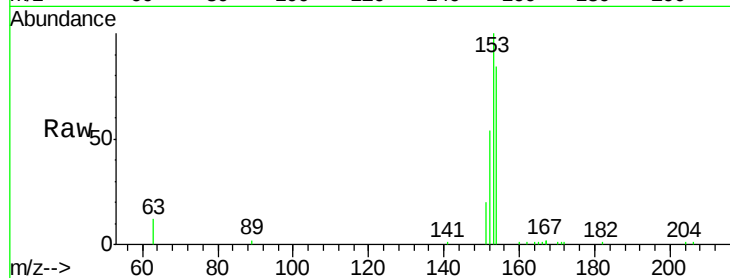
Tgt Ion:154 Resp: 5857

Ion Ratio Lower Upper

154 100

153 113.0 89.2 133.8

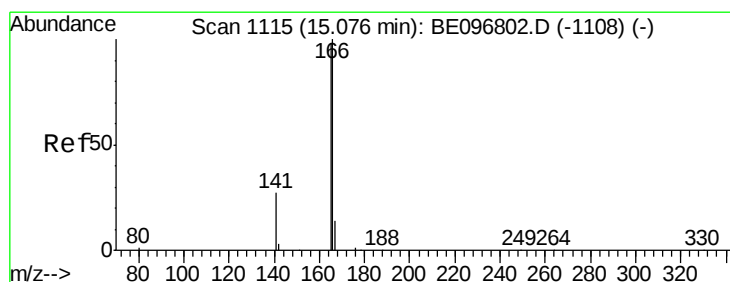
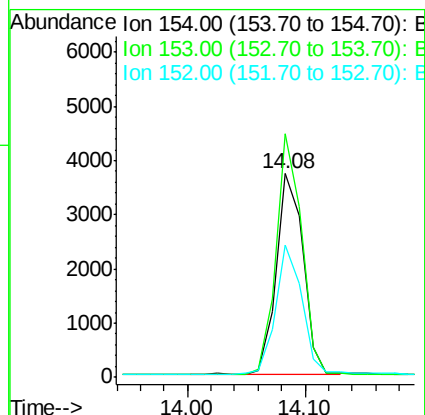
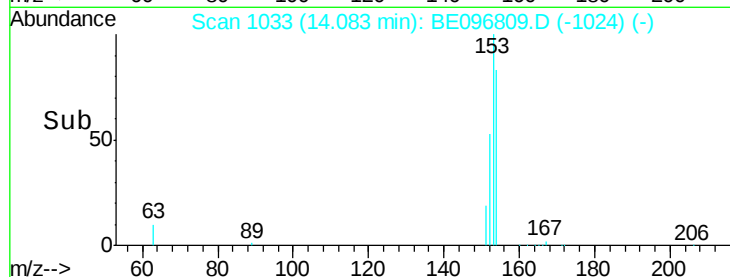
152 63.2 42.0 63.0#



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: 0.260 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

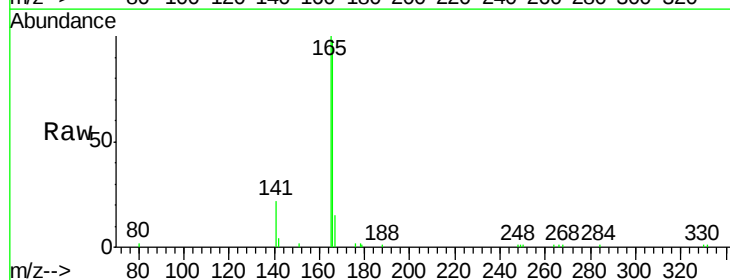
Tgt Ion:166 Resp: 6439

Ion Ratio Lower Upper

166 100

165 98.6 77.8 116.6

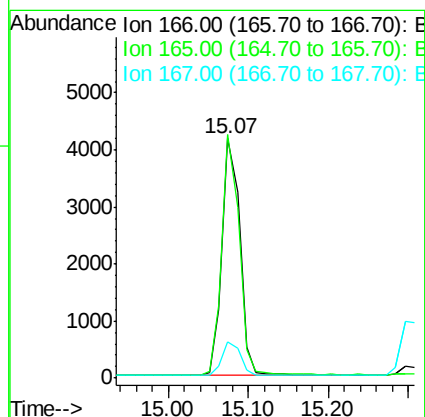
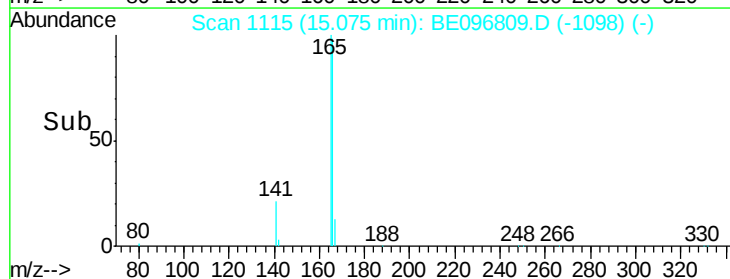
167 14.5 42.4 63.6#

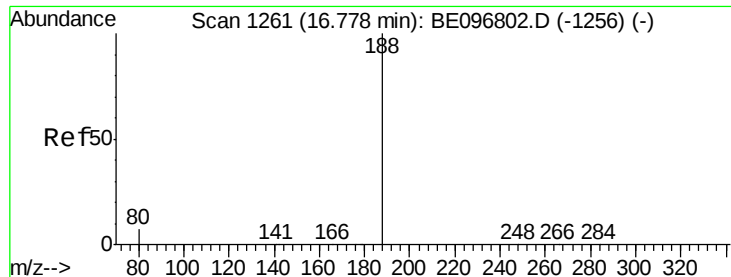


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.78 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

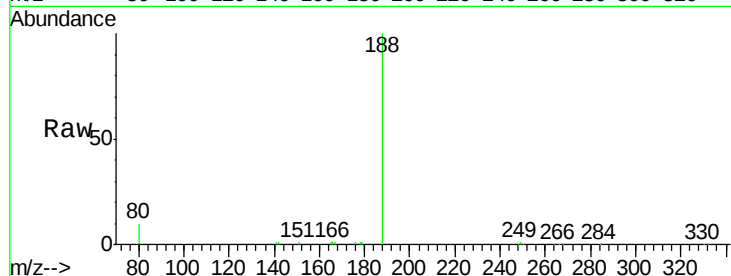
Tgt Ion:188 Resp: 14722

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

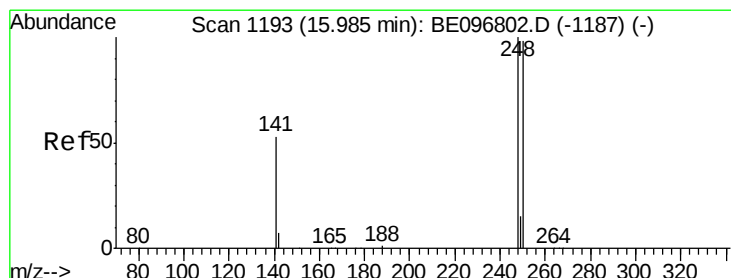
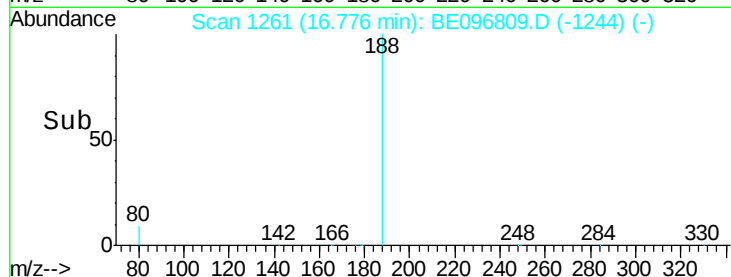
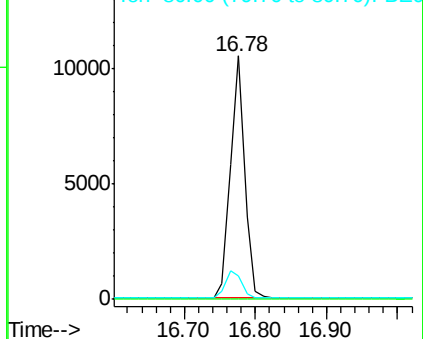
80 9.5 3.6 5.4#



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: 0.271 ng

RT: 15.98 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

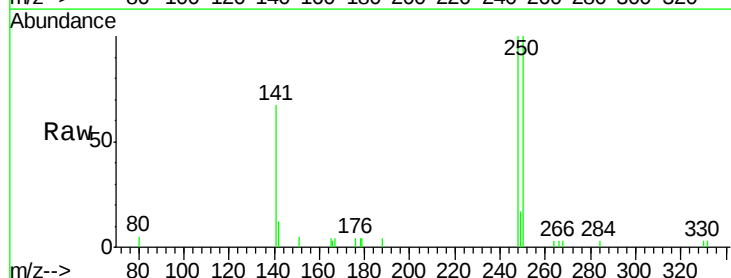
Tgt Ion:248 Resp: 1945

Ion Ratio Lower Upper

248 100

250 99.9 62.7 94.1#

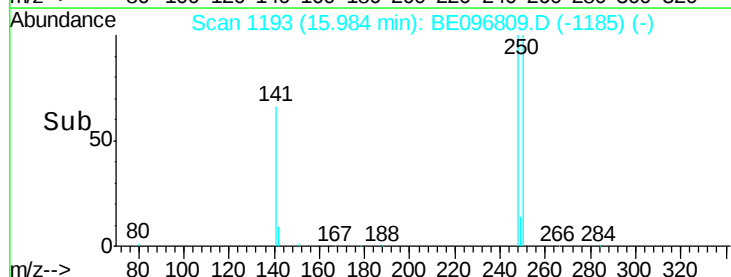
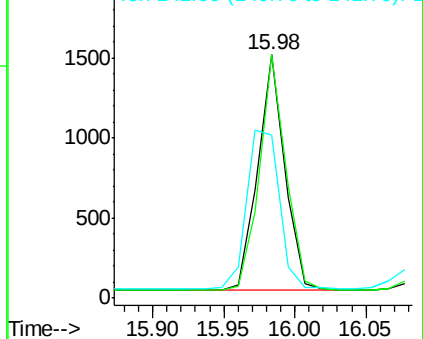
141 67.2 48.2 72.2

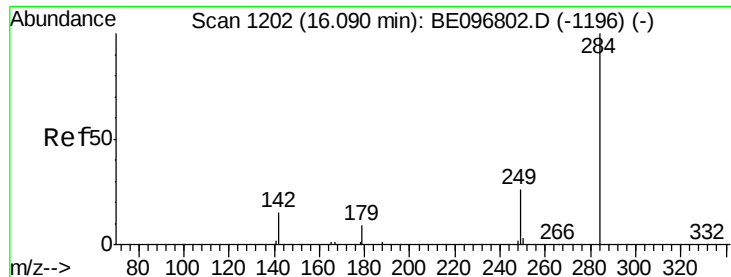


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.282 ng

RT: 16.09 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

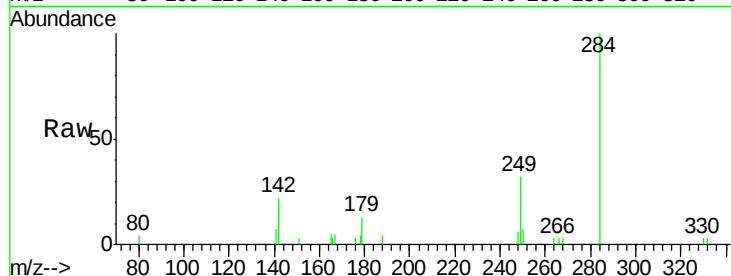
Tgt Ion:284 Resp: 2376

Ion Ratio Lower Upper

284 100

142 40.2 22.1 33.1#

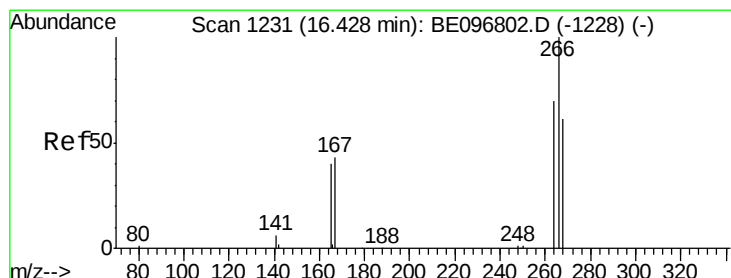
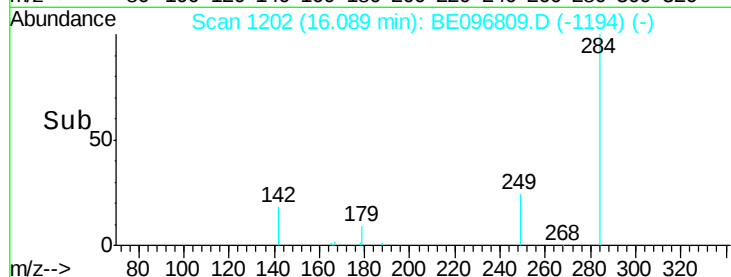
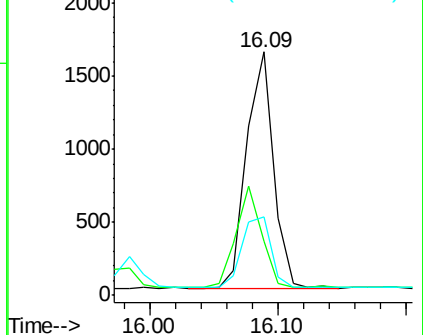
249 32.6 34.8 52.2#



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: 0.382 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

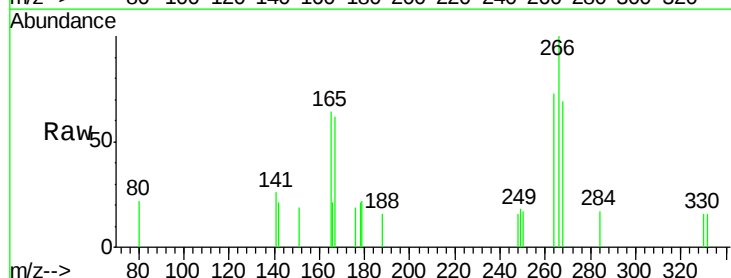
Tgt Ion:266 Resp: 507

Ion Ratio Lower Upper

266 100

264 72.7 72.5 108.7

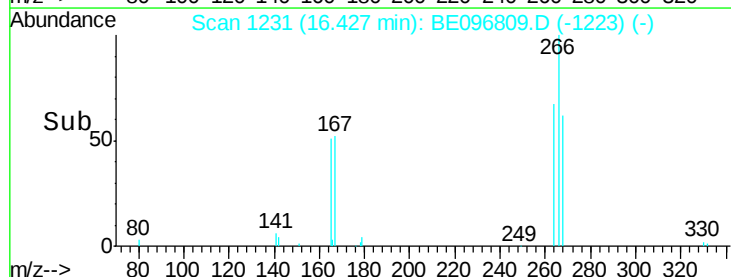
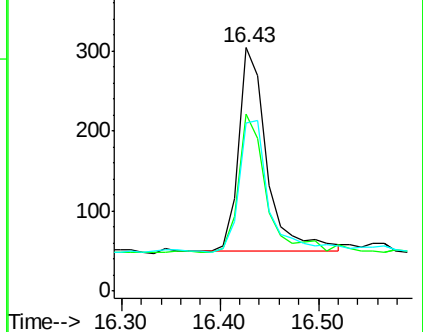
268 69.1 73.8 110.6#

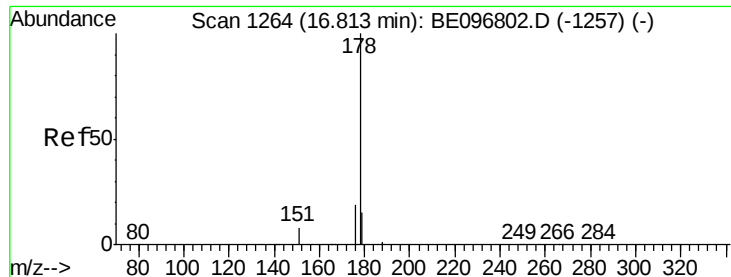


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

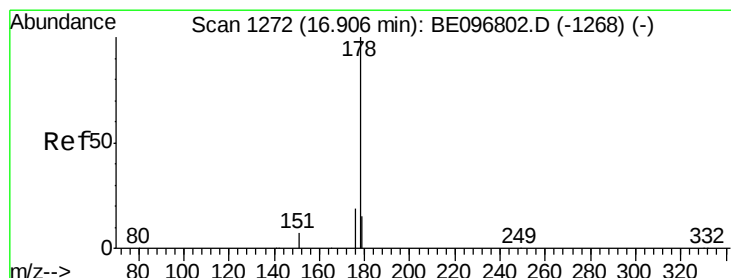
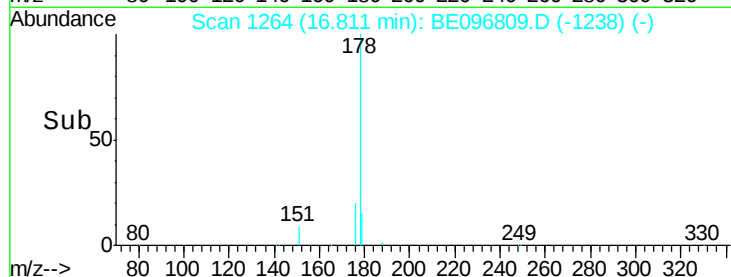
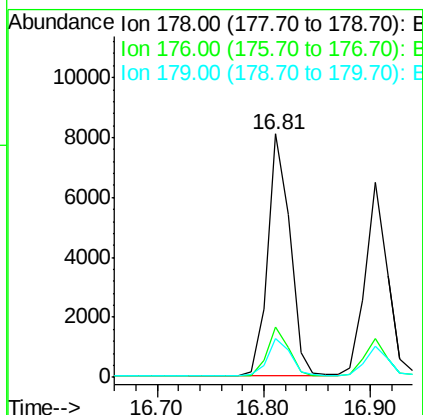
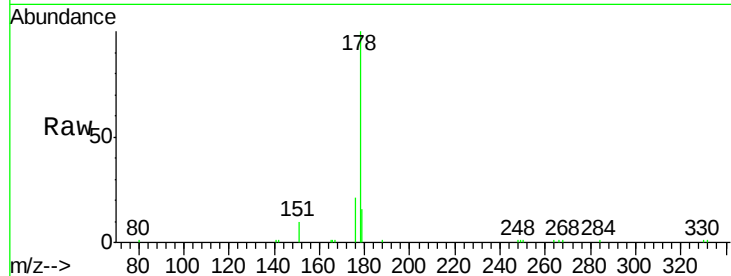




#23  
Phenanthrene  
Concen: 0.291 ng  
RT: 16.81 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

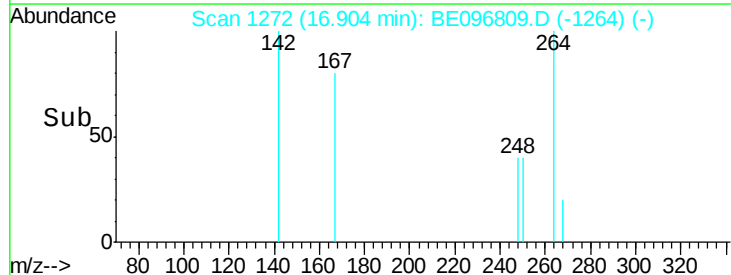
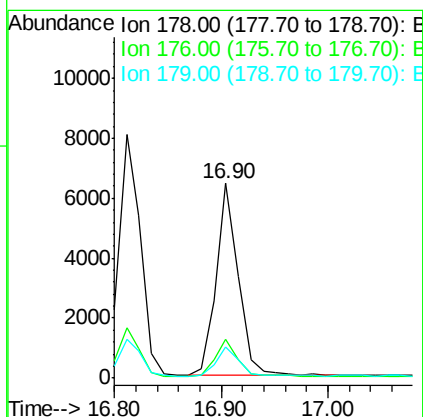
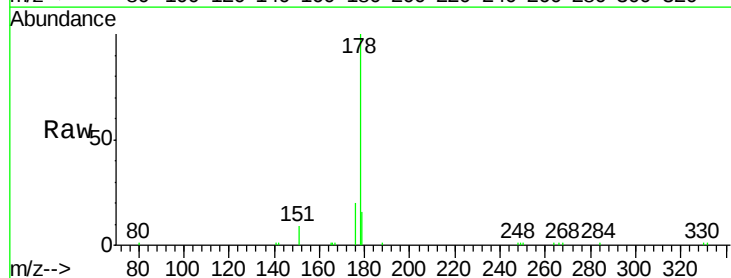
Instrument :  
BNA\_E  
ClientSampleId :  
PB110224BS

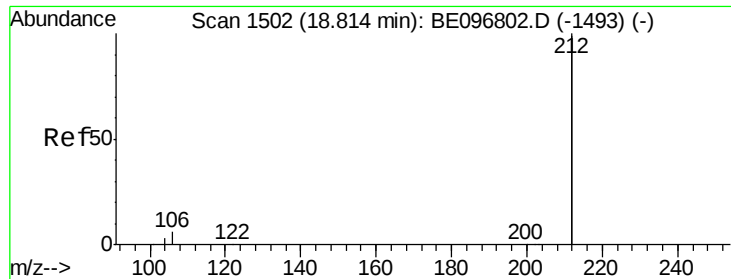
Tgt Ion:178 Resp: 11658  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.1 22.7  
179 15.5 11.8 17.6



#24  
Anthracene  
Concen: 0.284 ng  
RT: 16.90 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: BE096809.D  
Acq: 18 Jun 2018 15:28

Tgt Ion:178 Resp: 9315  
Ion Ratio Lower Upper  
178 100  
176 19.1 12.8 19.2  
179 15.0 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

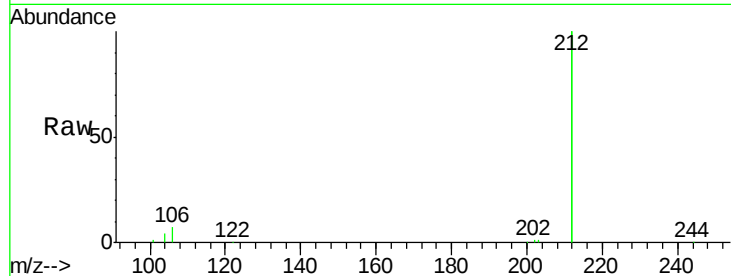
Tgt Ion:212 Resp: 37693

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

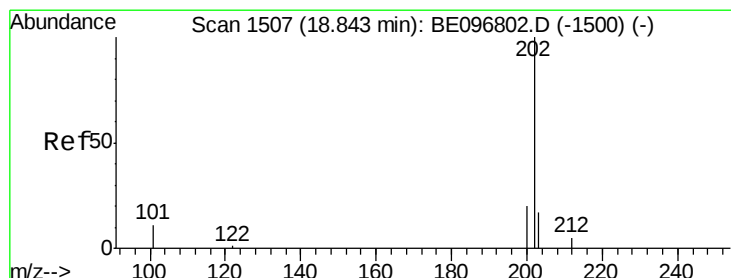
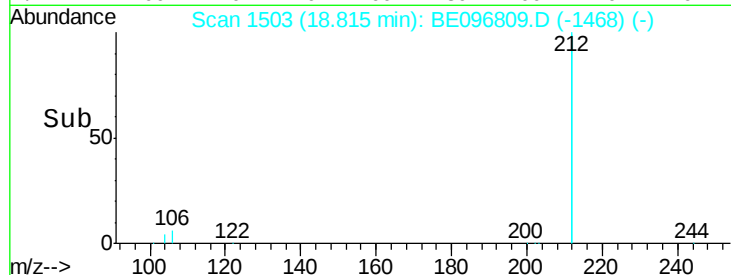
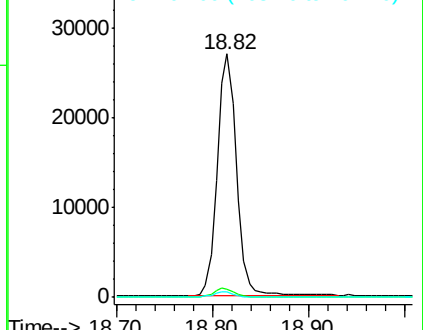
104 2.0 1.6 2.4



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: 0.285 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

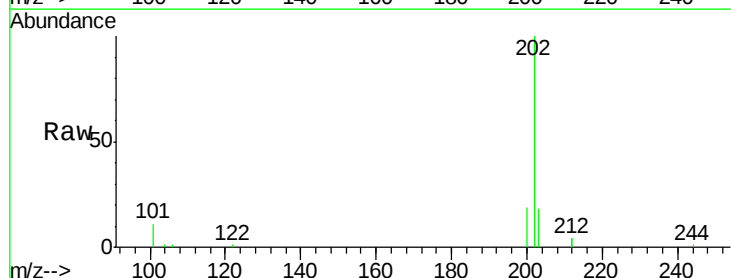
Tgt Ion:202 Resp: 12055

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

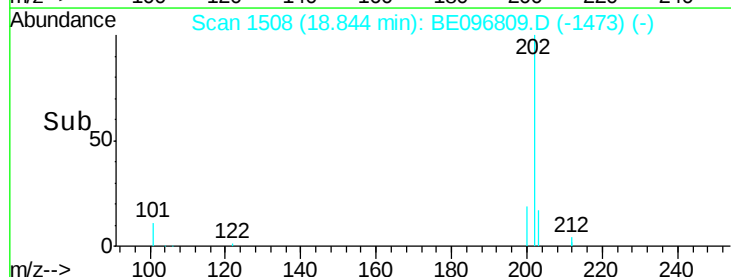
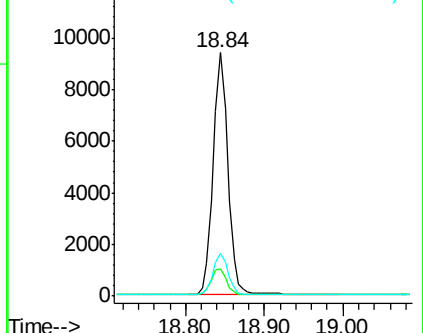
203 17.1 13.7 20.5

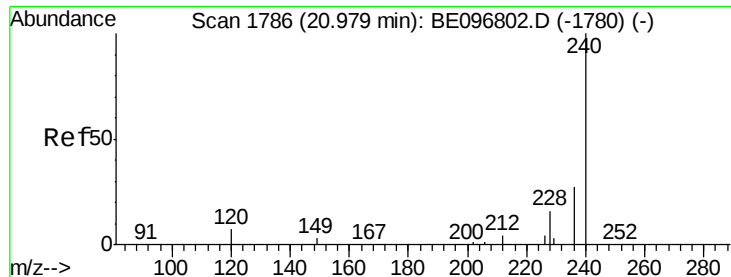


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

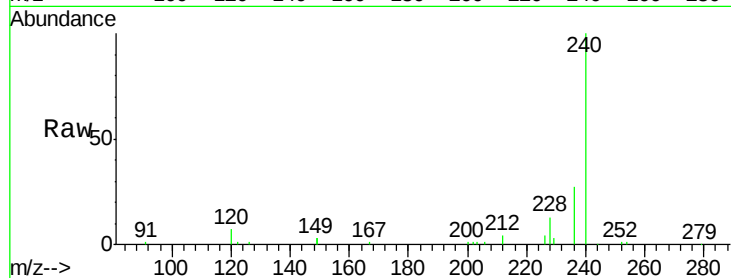
Tgt Ion:240 Resp: 15264

Ion Ratio Lower Upper

240 100

120 7.3 5.5 8.3

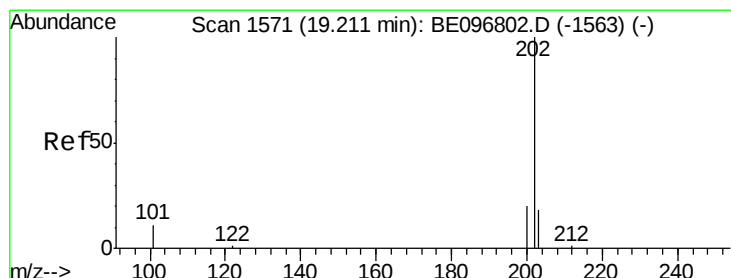
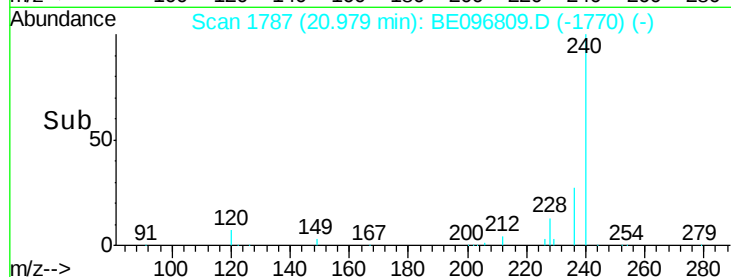
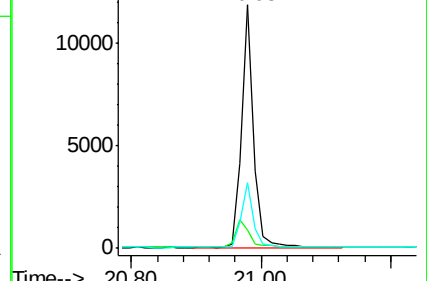
236 27.2 20.7 31.1



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: 0.235 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

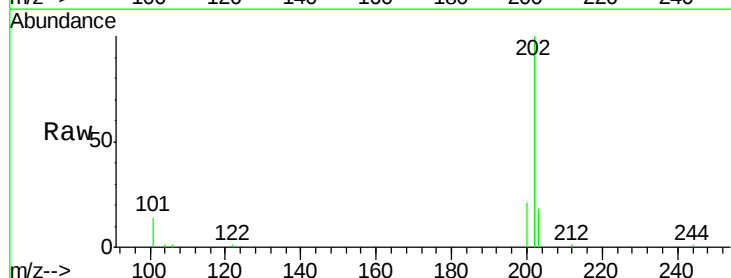
Tgt Ion:202 Resp: 11808

Ion Ratio Lower Upper

202 100

200 20.0 16.6 25.0

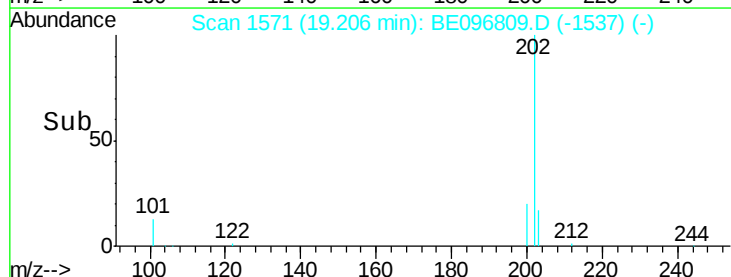
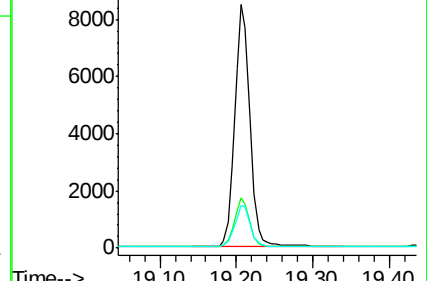
203 17.5 13.8 20.8

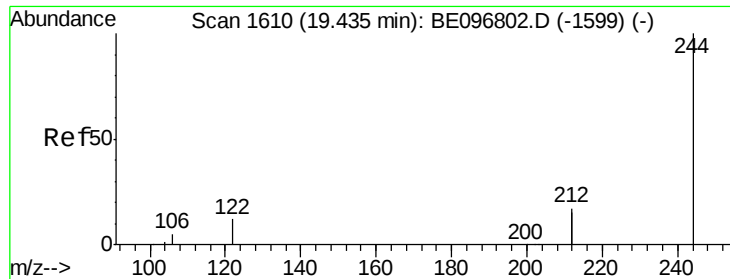


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.229 ng

RT: 19.44 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

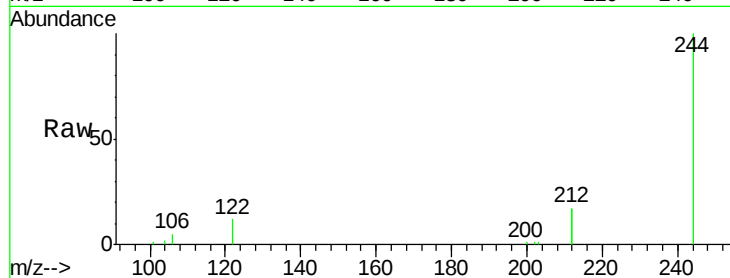
Tgt Ion:244 Resp: 7922

Ion Ratio Lower Upper

244 100

212 33.6 25.4 38.0

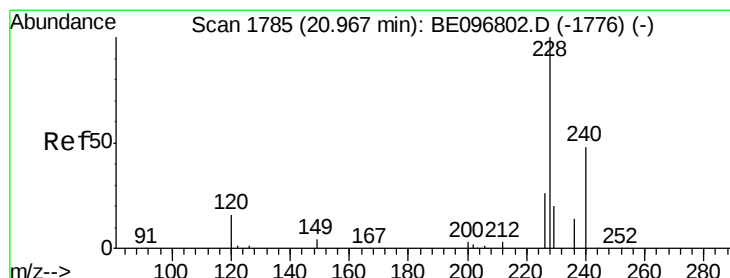
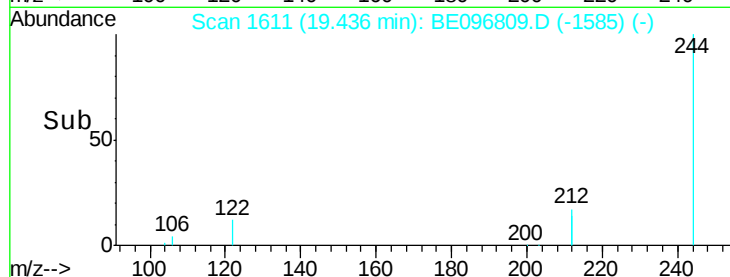
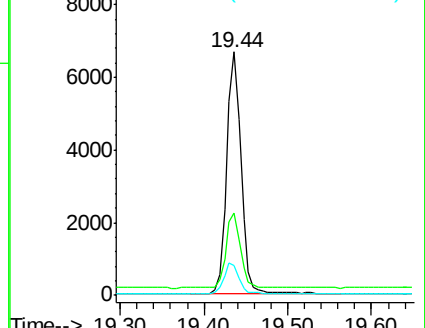
122 12.2 8.1 12.1#



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: 0.294 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

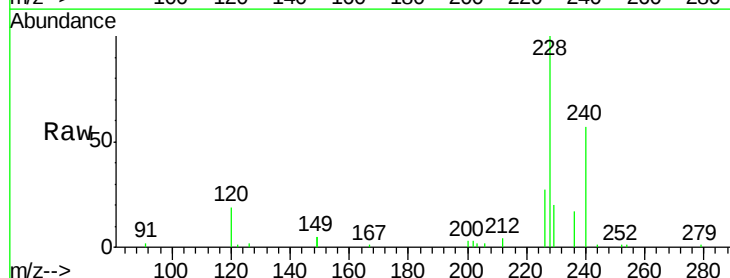
Tgt Ion:228 Resp: 10870

Ion Ratio Lower Upper

228 100

226 27.0 24.0 36.0

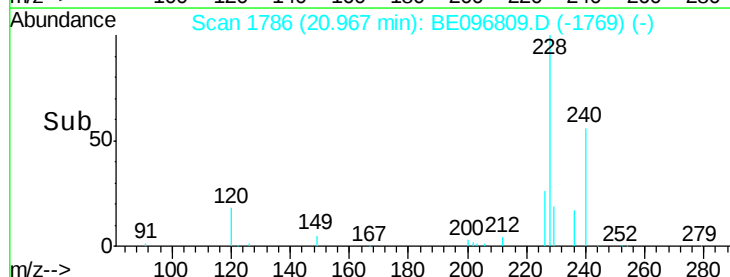
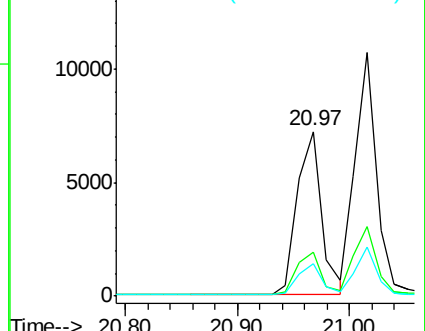
229 19.7 16.0 24.0

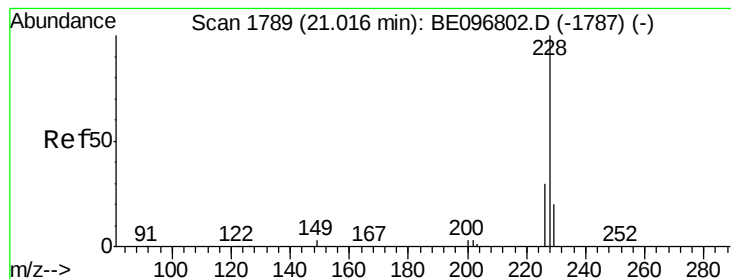


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.301 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

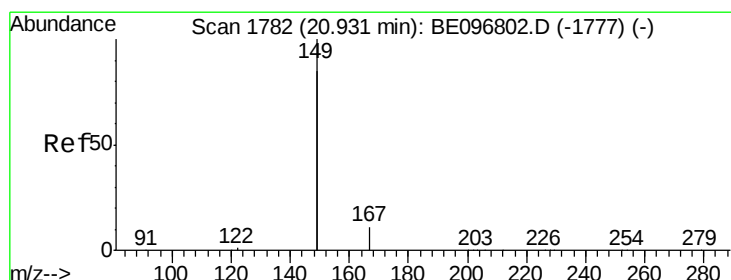
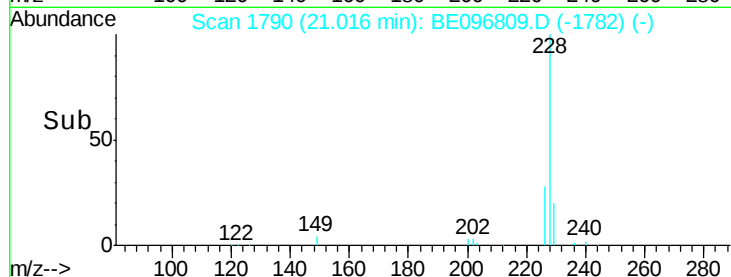
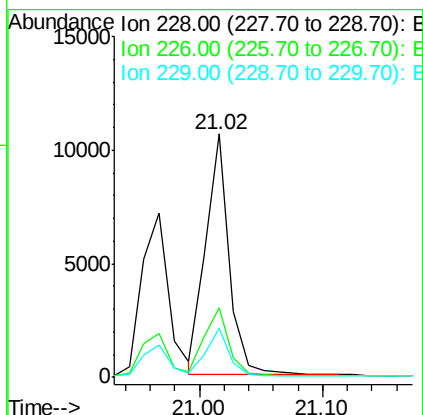
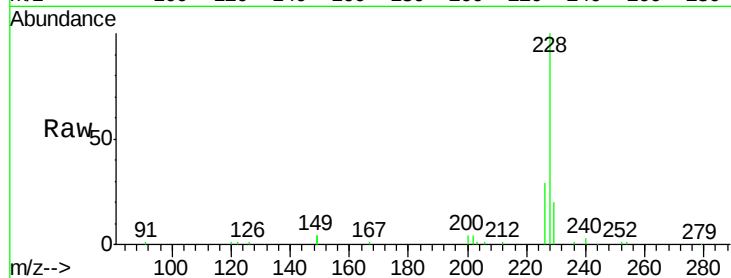
Tgt Ion:228 Resp: 14046

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

229 20.3 16.0 24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.295 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

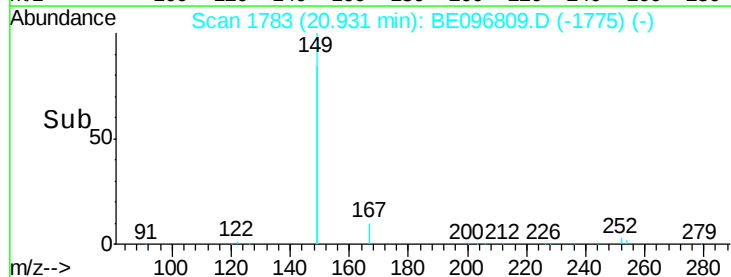
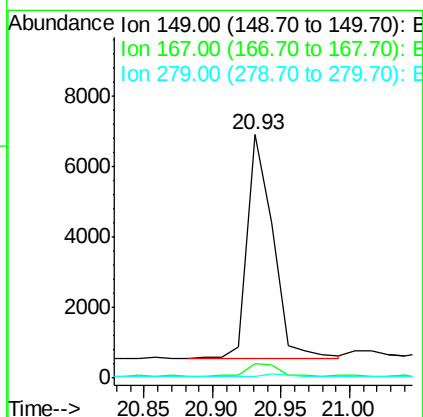
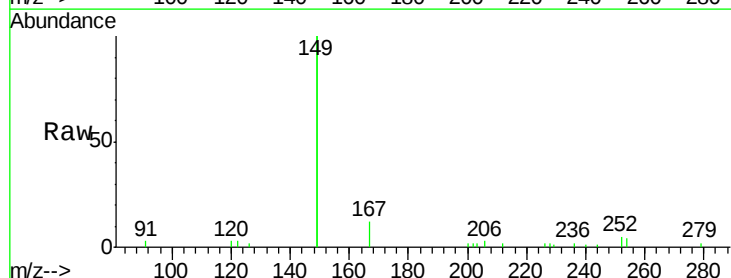
Tgt Ion:149 Resp: 8197

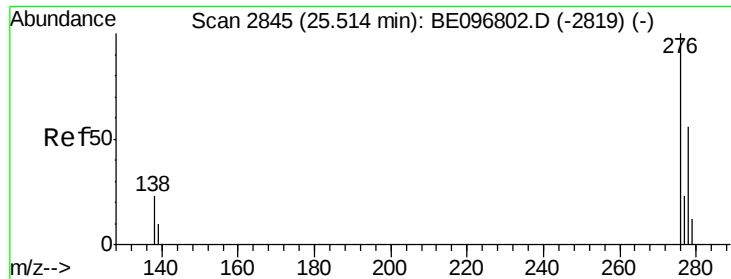
Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

279 1.1 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.336 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

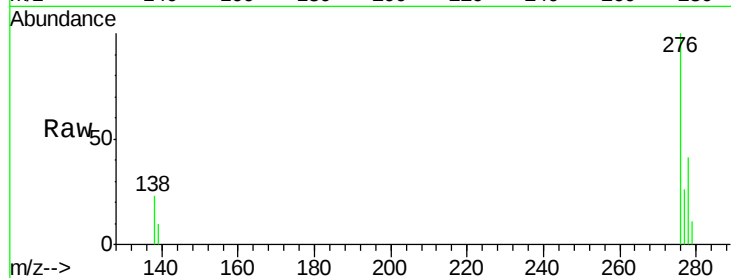
Tgt Ion:276 Resp: 11769

Ion Ratio Lower Upper

276 100

138 23.0 22.5 33.7

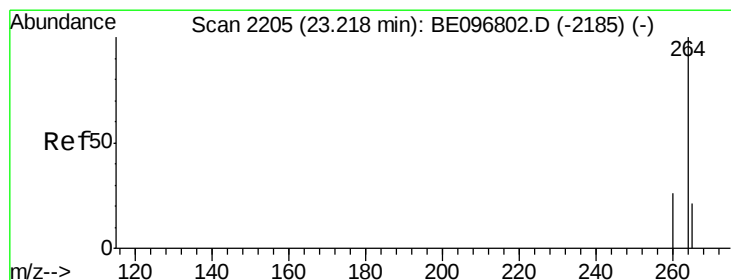
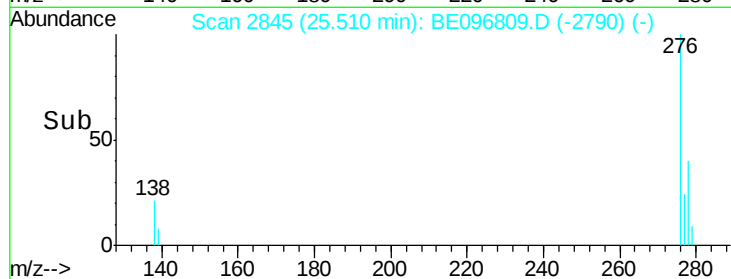
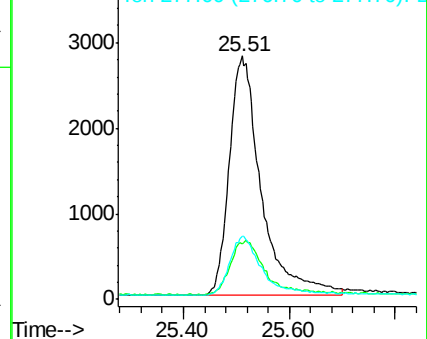
277 24.3 19.9 29.9



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: 23.22 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

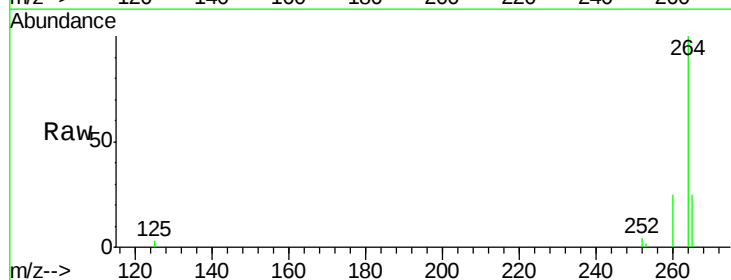
Tgt Ion:264 Resp: 14293

Ion Ratio Lower Upper

264 100

260 24.5 20.5 30.7

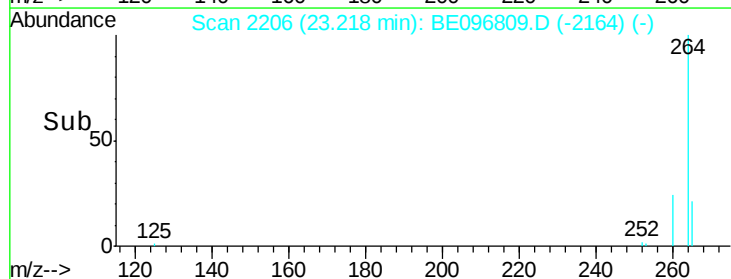
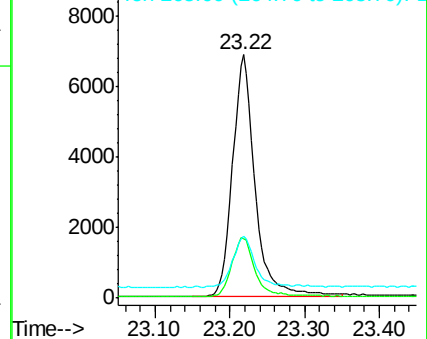
265 25.2 22.8 34.2

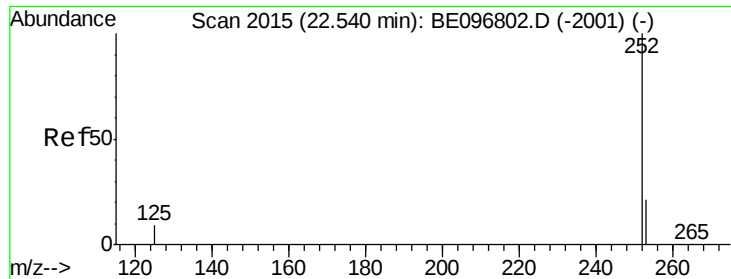


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.298 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

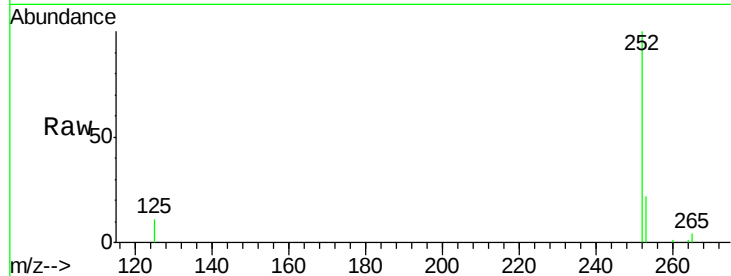
Tgt Ion:252 Resp: 11723

Ion Ratio Lower Upper

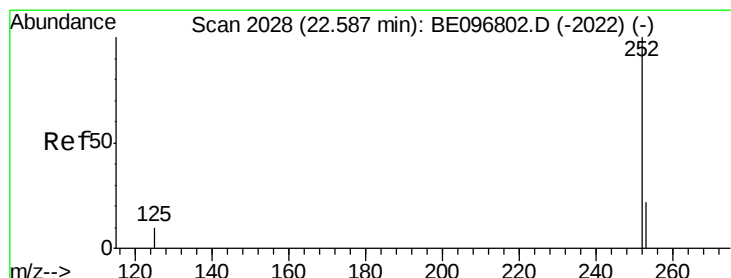
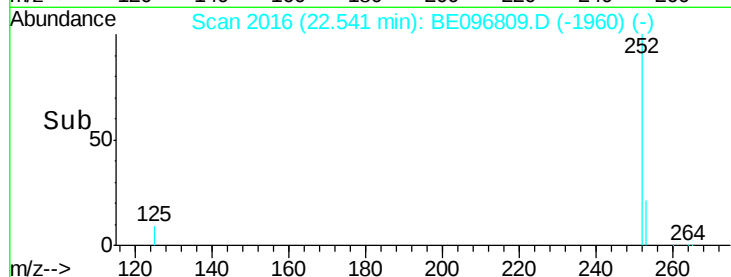
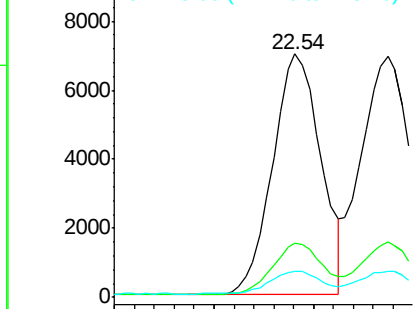
252 100

253 22.2 20.0 30.0

125 10.6 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.294 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

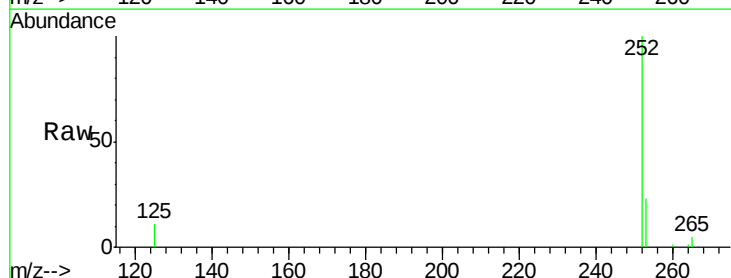
Tgt Ion:252 Resp: 13731

Ion Ratio Lower Upper

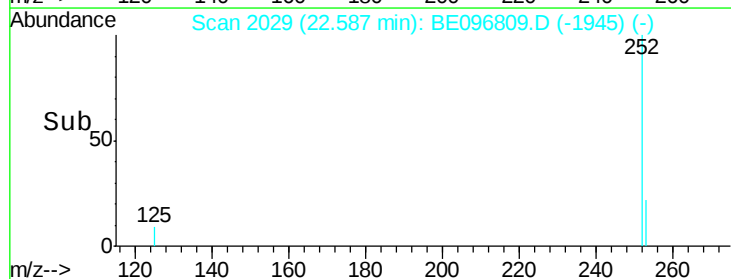
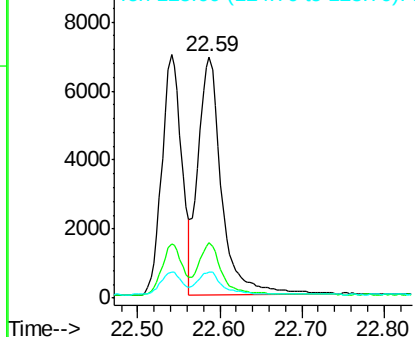
252 100

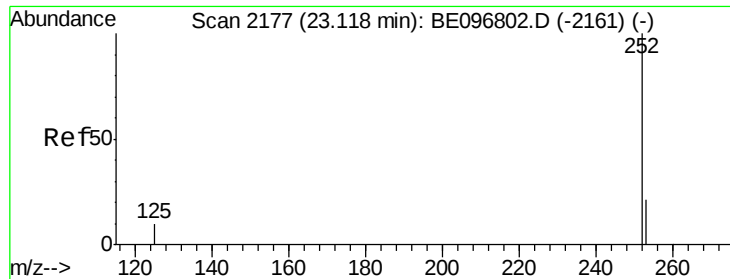
253 22.8 16.0 24.0

125 10.5 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.283 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS

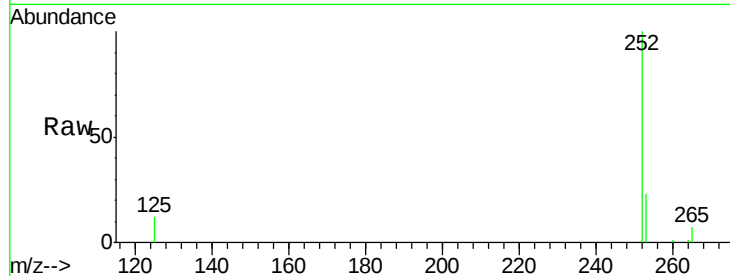
Tgt Ion:252 Resp: 9648

Ion Ratio Lower Upper

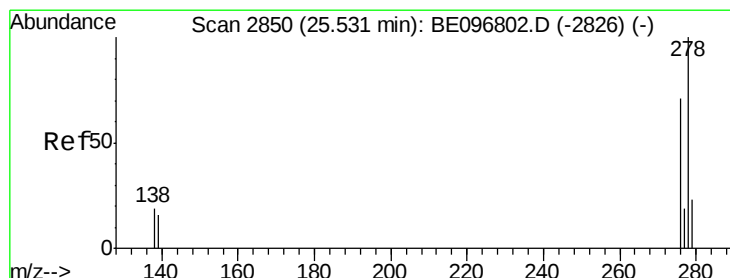
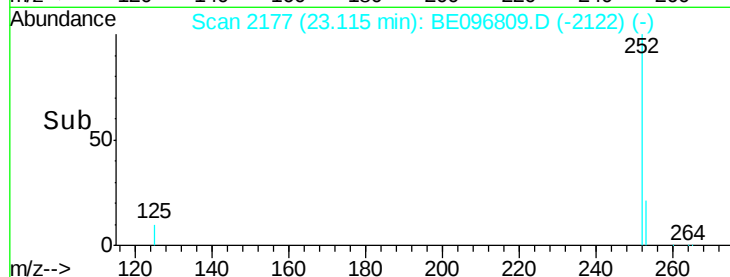
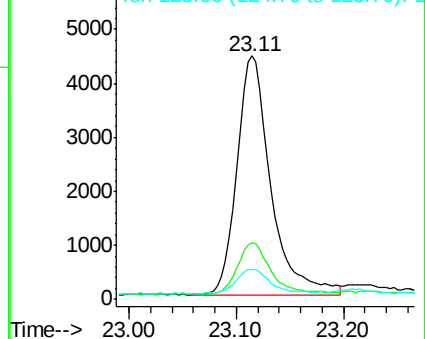
252 100

253 23.2 16.0 24.0

125 12.4 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: 0.317 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096809.D

Acq: 18 Jun 2018 15:28

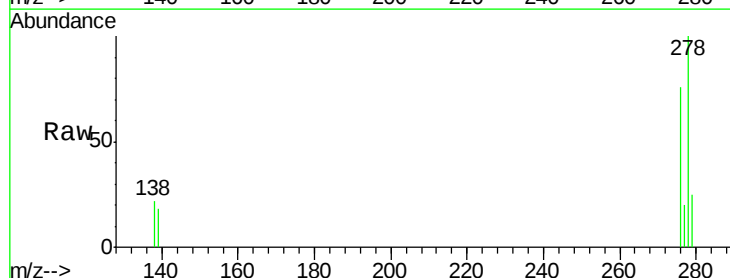
Tgt Ion:278 Resp: 9756

Ion Ratio Lower Upper

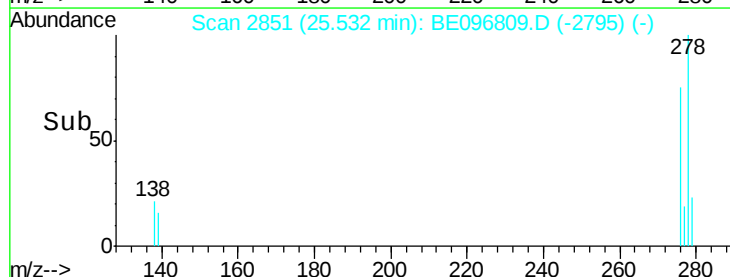
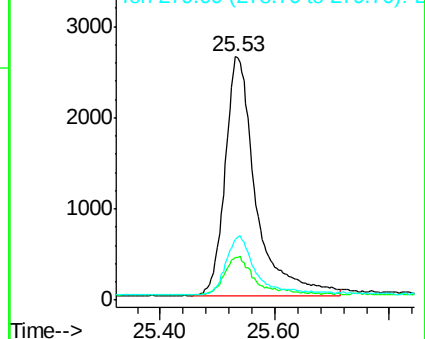
278 100

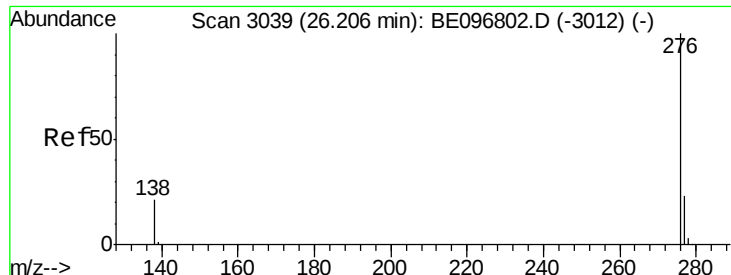
139 17.6 16.0 24.0

279 25.0 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(g,h,i)perylene

Concen: 0.306 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE096809.D

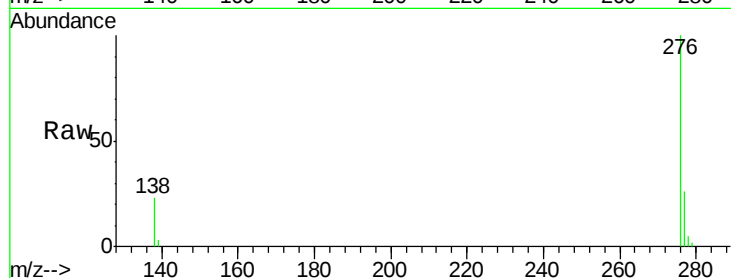
Acq: 18 Jun 2018 15:28

Instrument :

BNA\_E

ClientSampleId :

PB110224BS



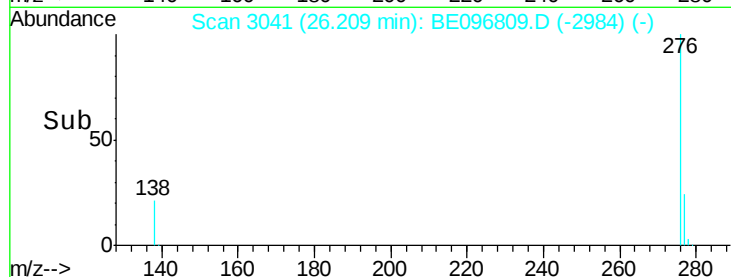
Tgt Ion: 276 Resp: 11078

Ion Ratio Lower Upper

276 100

277 25.7 16.0 24.0#

138 22.7 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

