

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\  
 Data File : BE094104.D  
 Acq On : 25 Sep 2017 16:08  
 Operator : SJ/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 25 17:00:10 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 25 15:34:48 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1330     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 6219     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 3626     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 14129    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 13857    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.91 | 264  | 12993    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.50  | 112 | 7581   | 1.09 | ng | 0.00  |
| 5) Phenol-d6                | 7.09  | 99  | 10946  | 1.39 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.04  | 82  | 9049   | 1.64 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 15007  | 1.42 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 3002   | 1.09 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 19346  | 1.62 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.27 | 212 | 212455 | 1.17 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.85 | 244 | 38078  | 1.75 | ng | 0.00  |

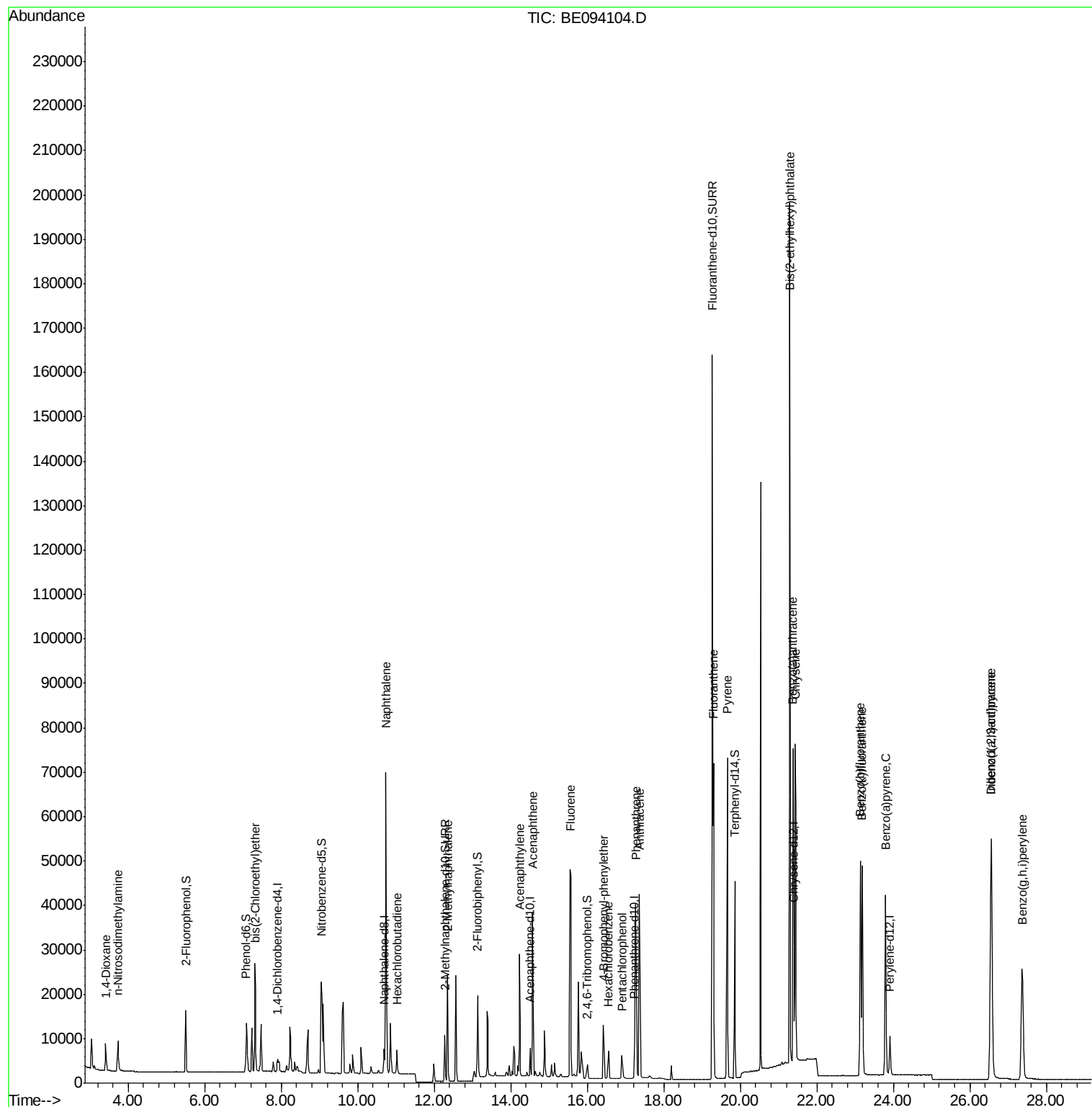
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 3681   | 1.326  | ng | # 83 |
| 3) n-Nitrosodimethylamine      | 3.73  | 42  | 4786   | 1.392  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 7.33  | 93  | 8523   | 1.451  | ng | 95   |
| 9) Naphthalene                 | 10.74 | 128 | 109273 | 1.379  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.03 | 225 | 3973   | 1.578  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 17899  | 1.425  | ng | 99   |
| 16) Acenaphthylene             | 14.23 | 152 | 29906  | 1.638  | ng | 100  |
| 17) Acenaphthene               | 14.57 | 154 | 18683  | 1.543  | ng | 98   |
| 18) Fluorene                   | 15.56 | 166 | 25040  | 1.389  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 8631   | 1.143  | ng | # 85 |
| 21) Hexachlorobenzene          | 16.55 | 284 | 5281   | 0.953  | ng | # 71 |
| 22) Pentachlorophenol          | 16.91 | 266 | 4905   | 12.424 | ng | # 70 |
| 23) Phenanthrene               | 17.27 | 178 | 58836  | 1.163  | ng | 97   |
| 24) Anthracene                 | 17.37 | 178 | 61928  | 1.587  | ng | 97   |
| 26) Fluoranthene               | 19.30 | 202 | 63579  | 1.171  | ng | 100  |
| 28) Pyrene                     | 19.66 | 202 | 67949  | 1.772  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 72345  | 1.559  | ng | 97   |
| 31) Chrysene                   | 21.44 | 228 | 70782  | 1.556  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 199365 | 1.599  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 71181  | 2.025  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 68997  | 1.467  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.19 | 252 | 67580  | 1.432  | ng | 97   |
| 37) Benzo(a)pyrene             | 23.80 | 252 | 64914  | 1.537  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278 | 61291  | 1.813  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 60659  | 1.795  | ng | 97   |

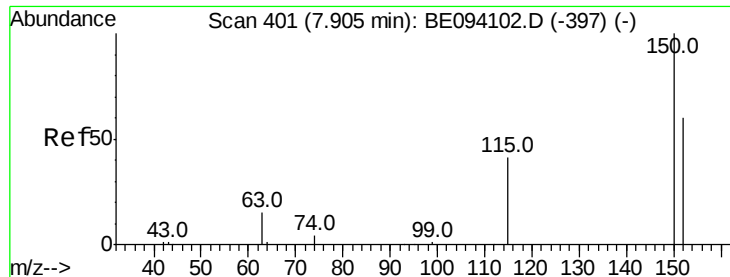
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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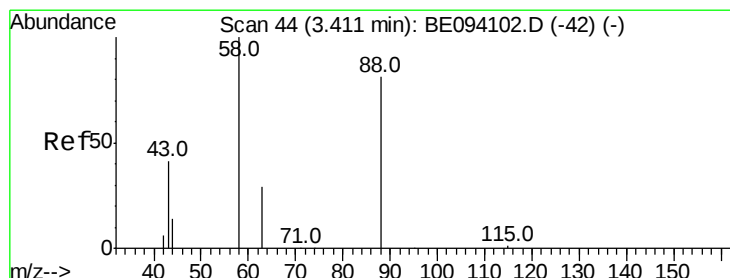
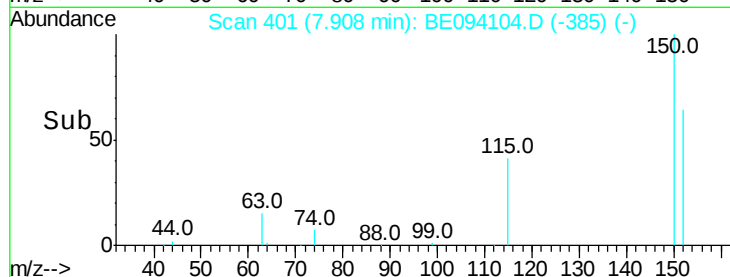
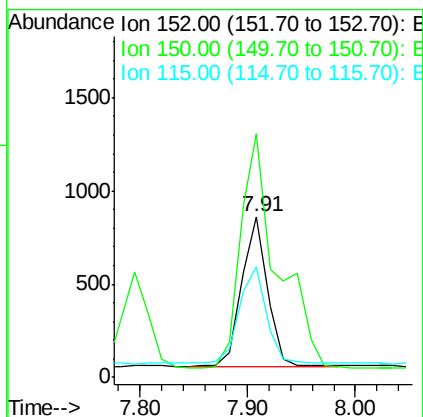
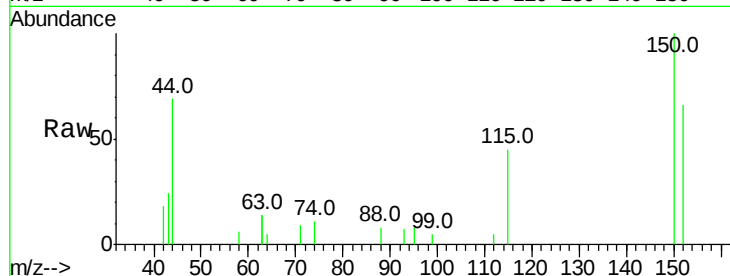


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094104.D  
Acq: 25 Sep 2017 16:08

Instrument :  
BNA\_E  
ClientSampled :

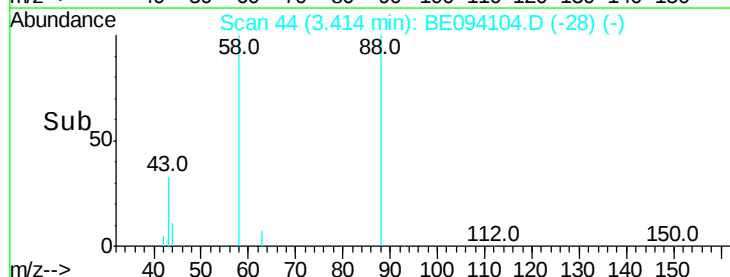
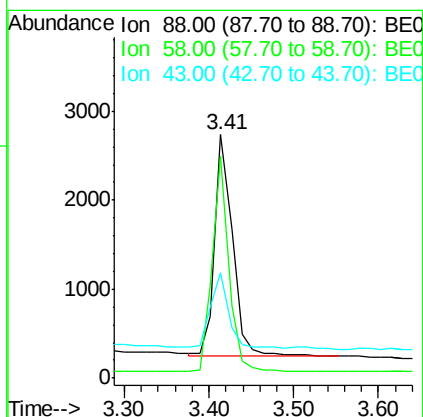
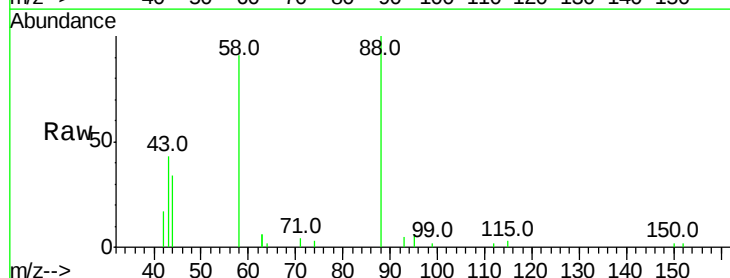
Tot Ion:152 Resp: 1330  
Ion Ratio Lower Upper  
152 100  
150 151.7 117.2 175.8  
115 68.9 57.0 85.6

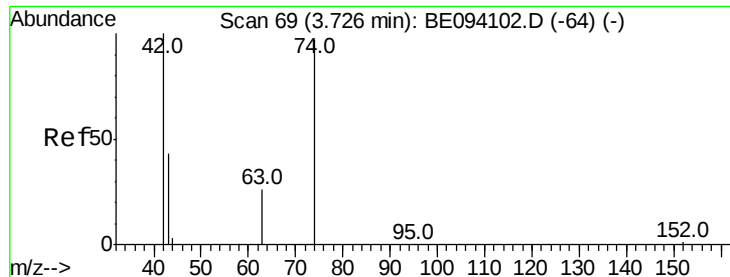


#2

1,4-Dioxane  
Concen: 1.326 ng  
RT: 3.41 min Scan# 44  
Delta R.T. 0.00 min  
Lab File: BE094104.D  
Acq: 25 Sep 2017 16:08

Tgt Ion: 88 Resp: 3681  
Ion Ratio Lower Upper  
88 100  
58 89.5 63.2 94.8  
43 33.9 41.2 61.8#



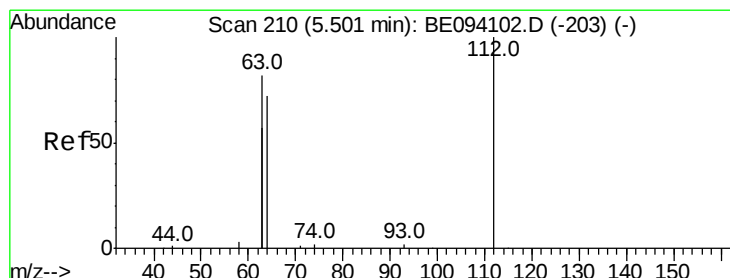
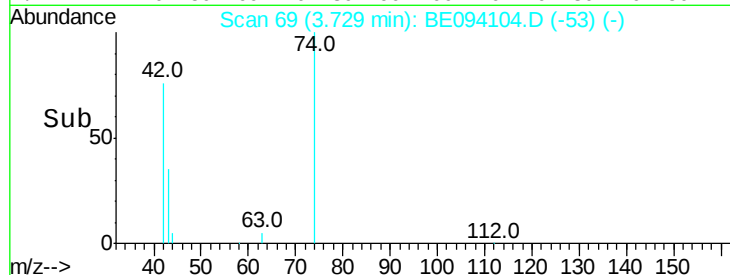
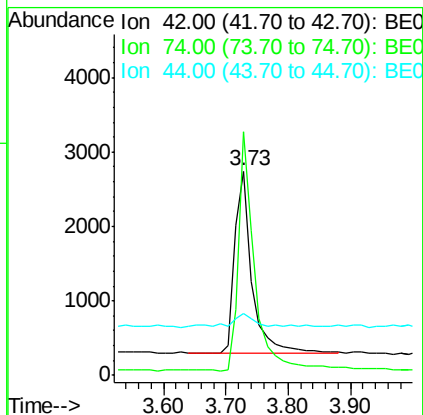
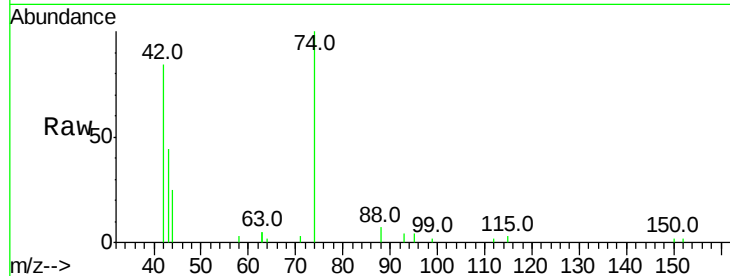


#3

n-Nitrosodimethylamine  
 Concen: 1.392 ng  
 RT: 3.73 min Scan# 69  
 Delta R.T. 0.00 min  
 Lab File: BE094104.D  
 Acq: 25 Sep 2017 16:08

Instrument :  
 BNA\_E  
 ClientSampleId :

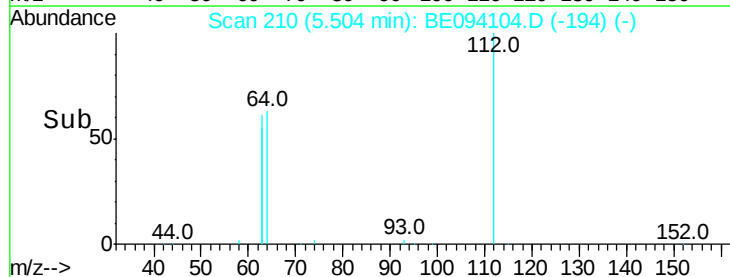
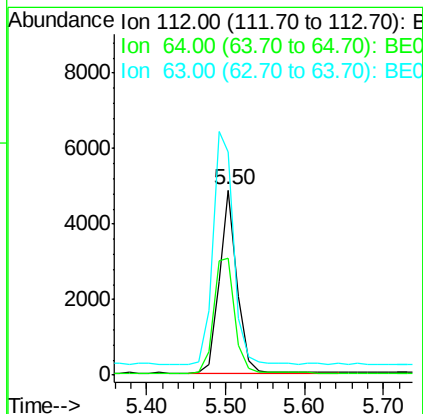
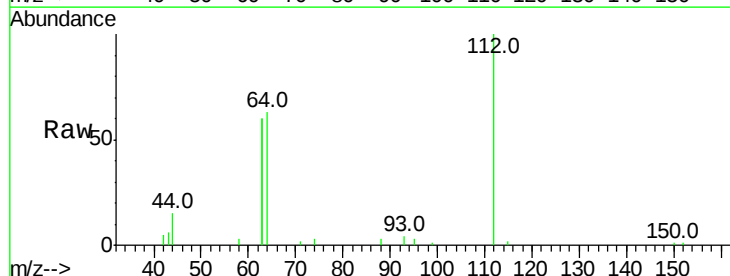
Tot Ion: 42 Resp: 4786  
 Ion Ratio Lower Upper  
 42 100  
 74 121.2 100.3 150.5  
 44 8.7 17.0 25.4#

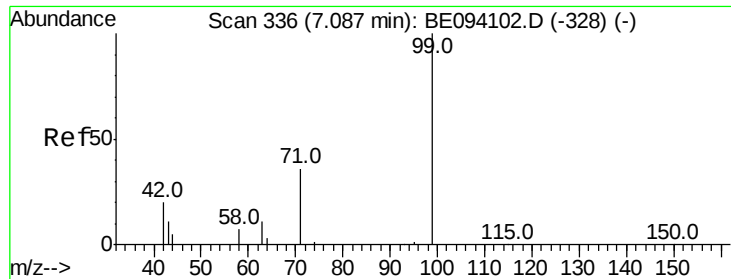


#4

2-Fluorophenol  
 Concen: 1.086 ng  
 RT: 5.50 min Scan# 210  
 Delta R.T. 0.00 min  
 Lab File: BE094104.D  
 Acq: 25 Sep 2017 16:08

Tgt Ion: 112 Resp: 7581  
 Ion Ratio Lower Upper  
 112 100  
 64 75.7 60.1 90.1  
 63 150.8 116.8 175.2





#5

Phenol-d6

Concen: 1.392 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

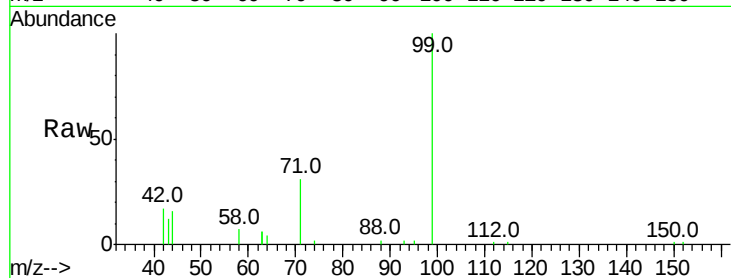
Tot Ion: 99 Resp: 10946

Ion Ratio Lower Upper

99 100

42 22.9 20.2 30.2

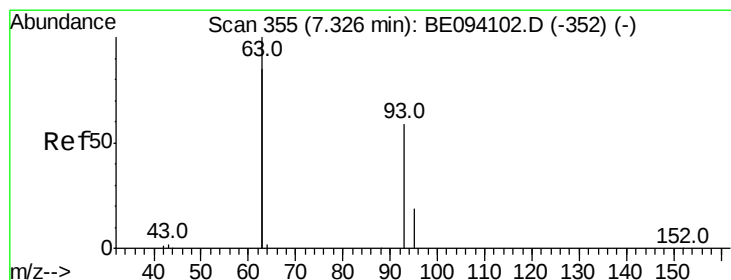
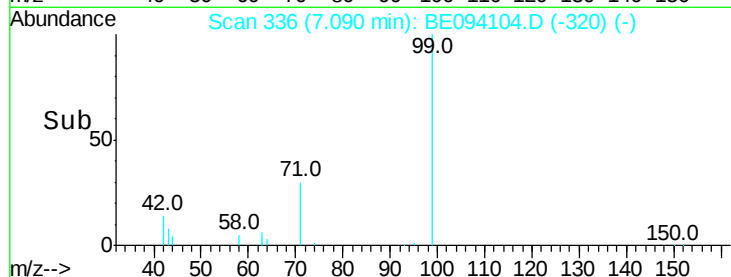
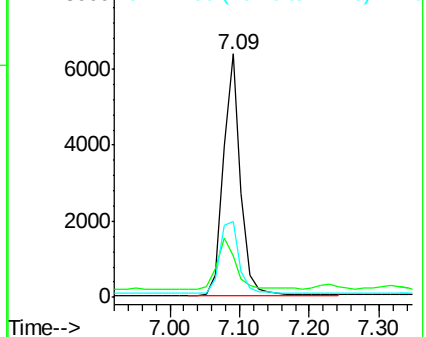
71 34.4 28.4 42.6



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: 1.451 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

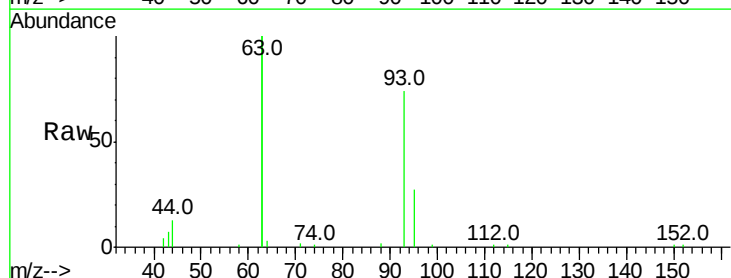
Tgt Ion: 93 Resp: 8523

Ion Ratio Lower Upper

93 100

63 356.2 275.3 412.9

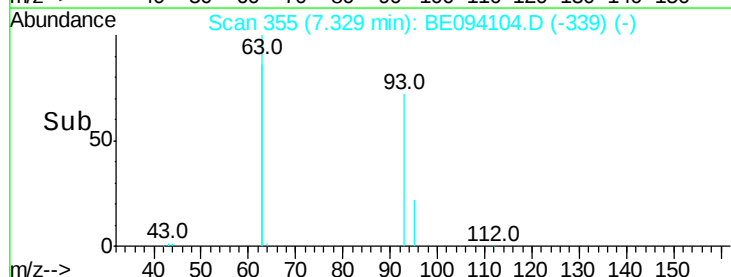
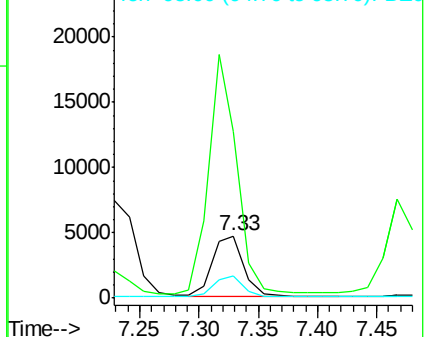
95 32.3 25.2 37.8

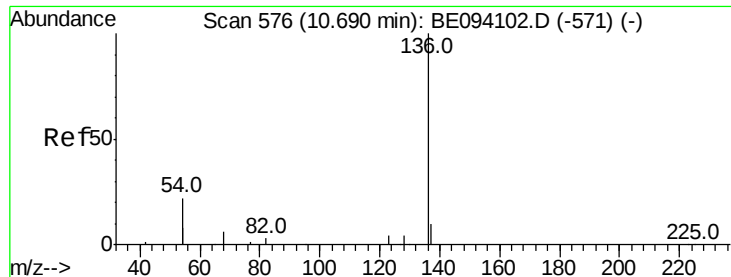


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampled :

Tot Ion:136 Resp: 6219

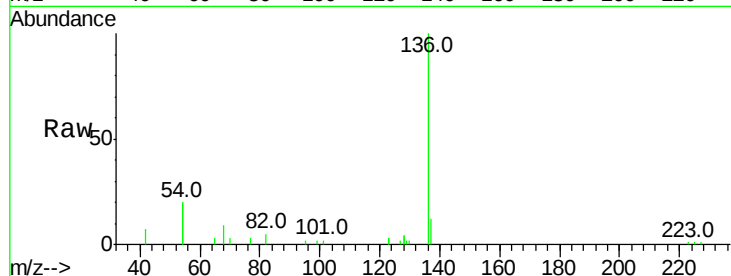
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 40.4 29.1 43.7

68 8.7 6.2 9.2

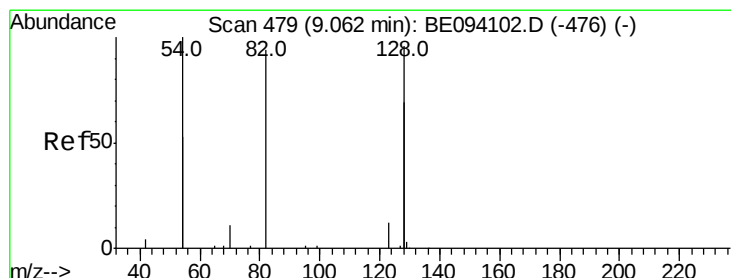
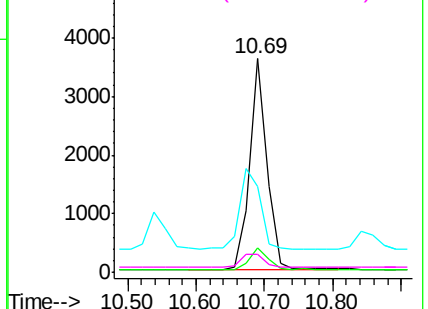
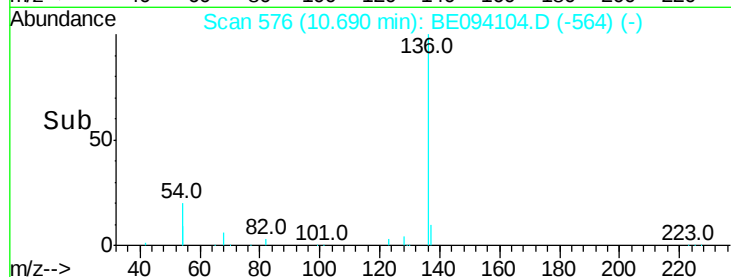


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.636 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

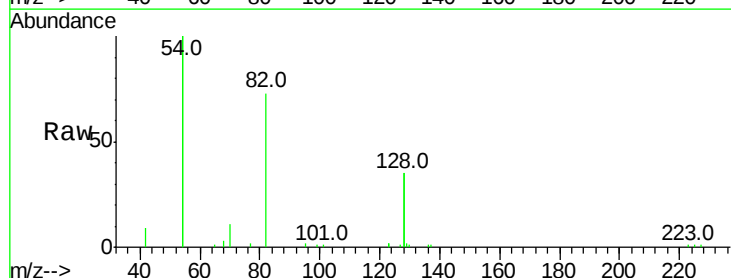
Tgt Ion: 82 Resp: 9049

Ion Ratio Lower Upper

82 100

128 95.6 150.0 225.0#

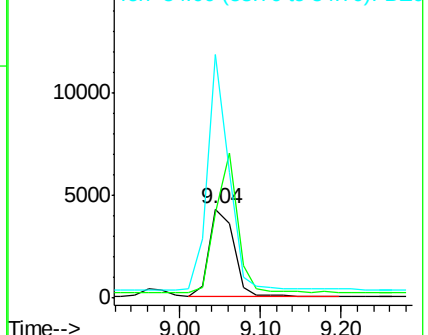
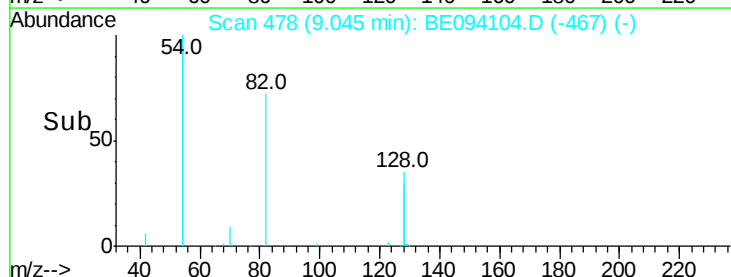
54 274.1 154.2 231.4#

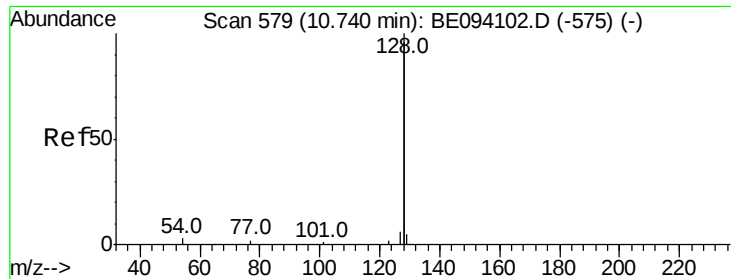


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.379 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

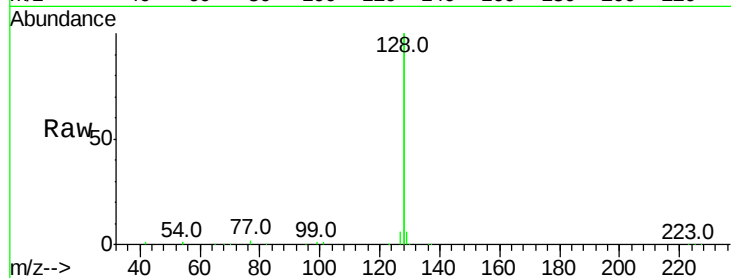
Tot Ion:128 Resp: 109273

Ion Ratio Lower Upper

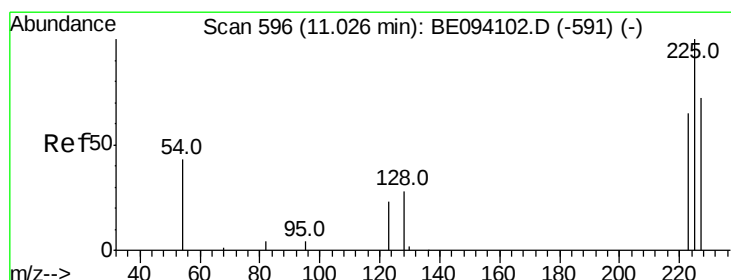
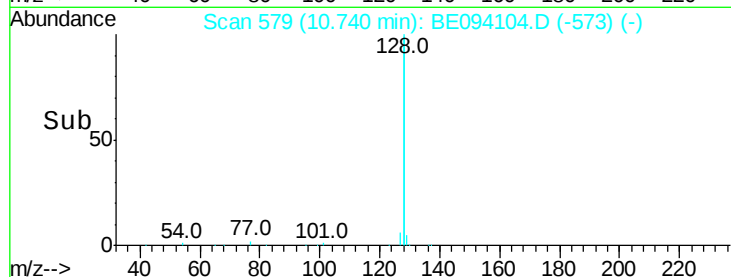
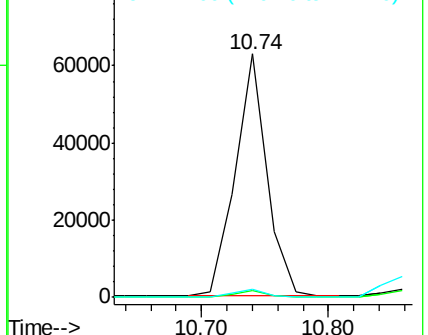
128 100

129 2.8 2.6 3.8

127 3.2 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: 1.578 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

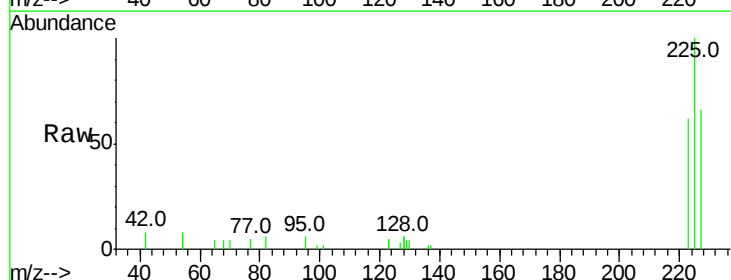
Tgt Ion:225 Resp: 3973

Ion Ratio Lower Upper

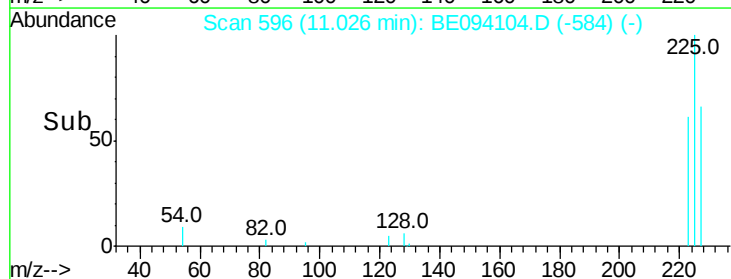
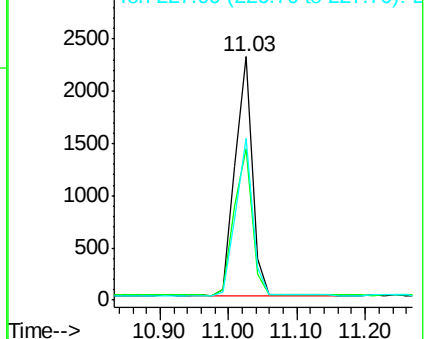
225 100

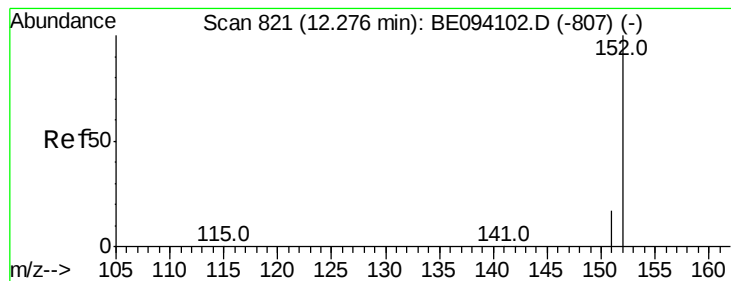
223 63.5 53.0 79.6

227 65.1 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: 1.424 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

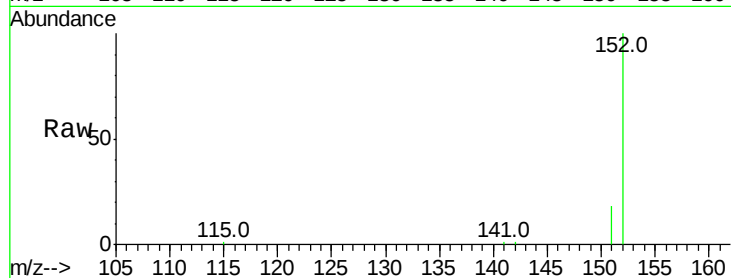
ClientSampleId :

Tot Ion:152 Resp: 15007

Ion Ratio Lower Upper

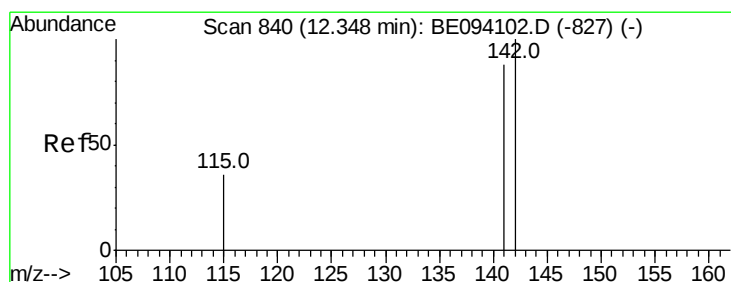
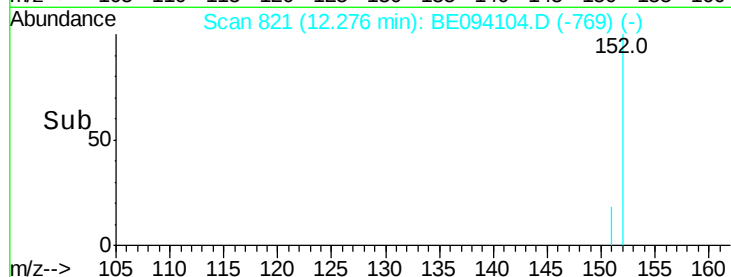
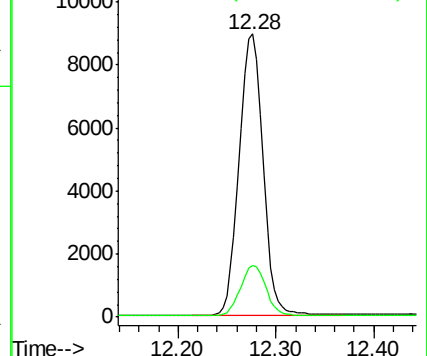
152 100

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

2-Methylnaphthalene

Concen: 1.425 ng

RT: 12.34 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

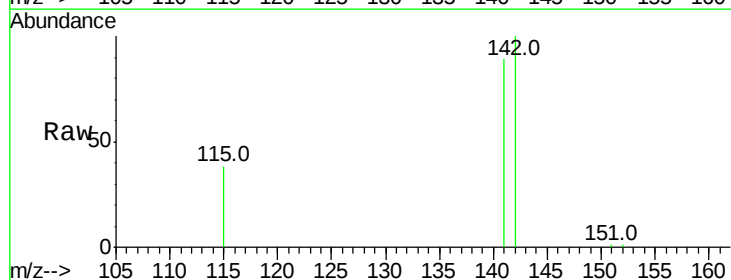
Tgt Ion:142 Resp: 17899

Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6

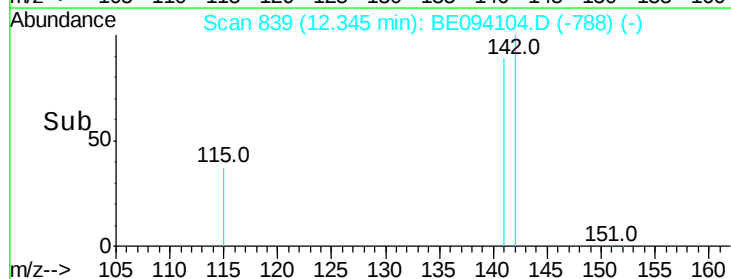
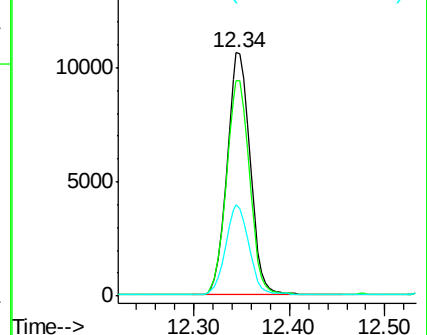
115 37.7 31.7 47.5

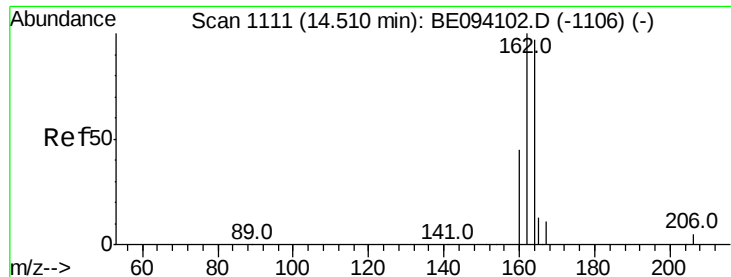


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.51 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

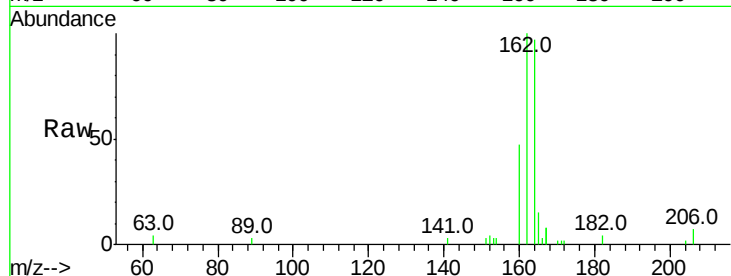
Tot Ion:164 Resp: 3626

Ion Ratio Lower Upper

164 100

162 103.6 83.1 124.7

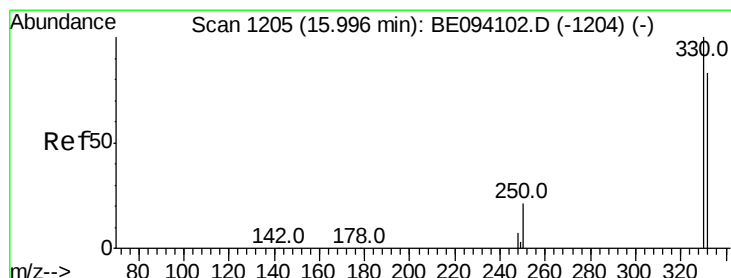
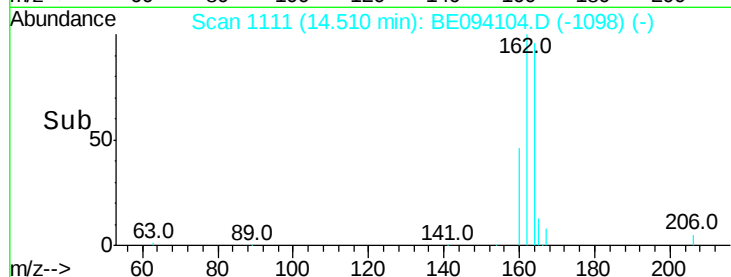
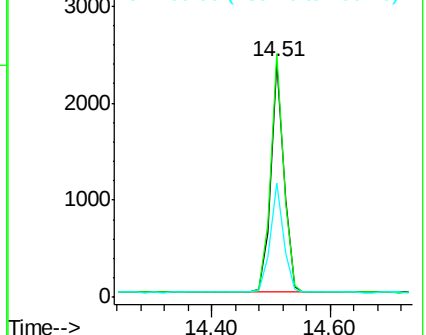
160 48.8 37.1 55.7



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: 1.091 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

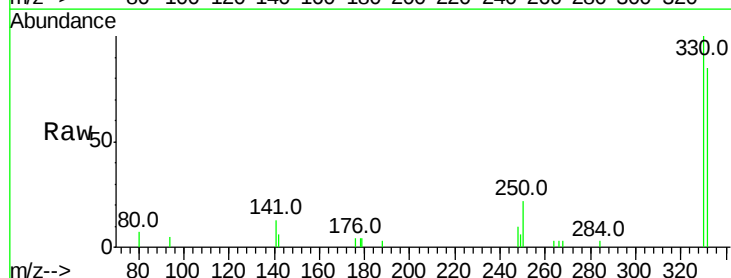
Tgt Ion:330 Resp: 3002

Ion Ratio Lower Upper

330 100

332 86.9 152.7 229.1#

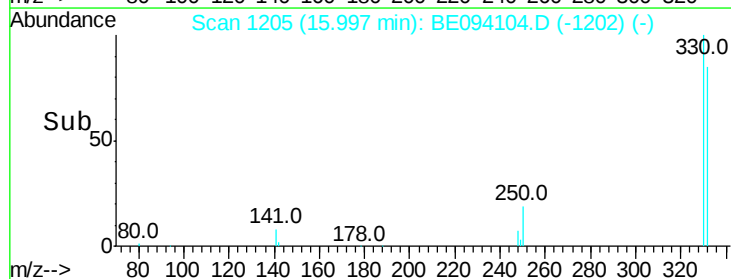
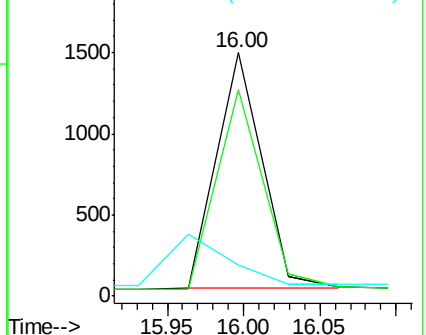
141 0.0 33.7 50.5#

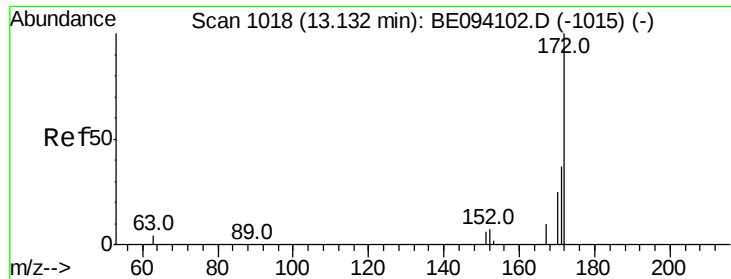


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

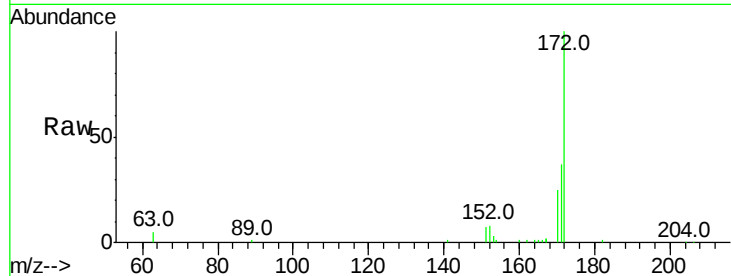




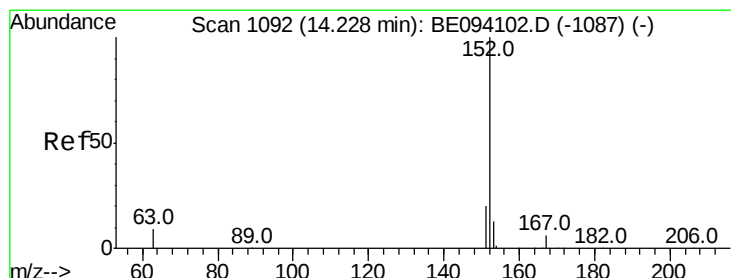
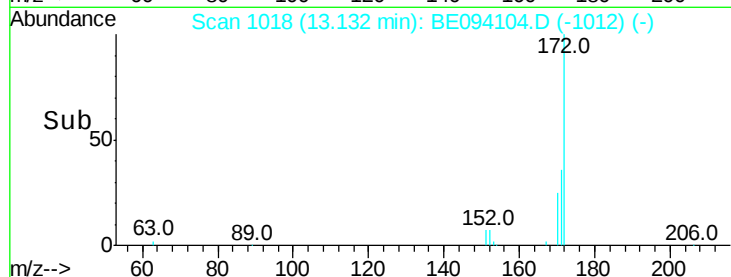
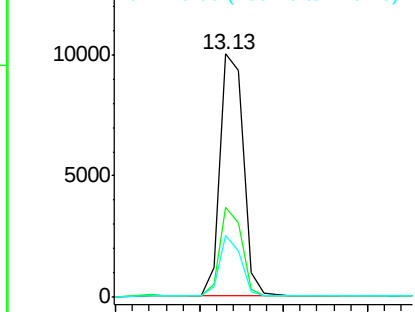
#15  
2-Fluorobiphenyl  
Concen: 1.624 ng  
RT: 13.13 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: BE094104.D  
Acq: 25 Sep 2017 16:08

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:172 Resp: 19346  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.9 44.9  
170 25.5 21.8 32.8

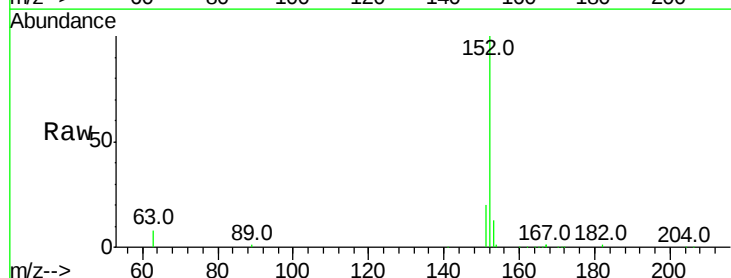


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

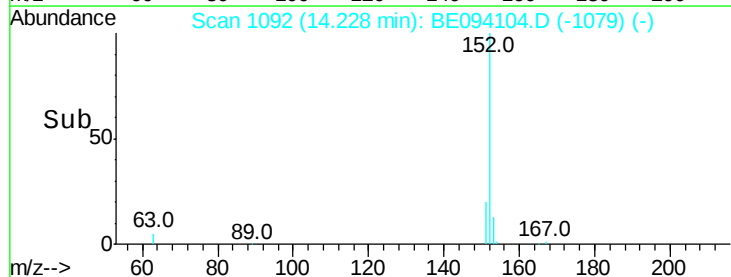
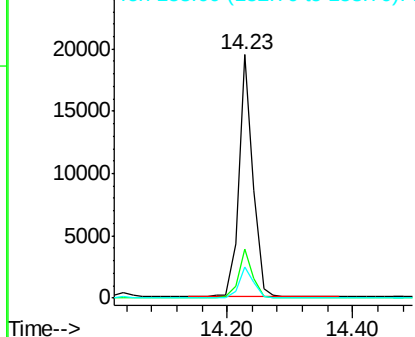


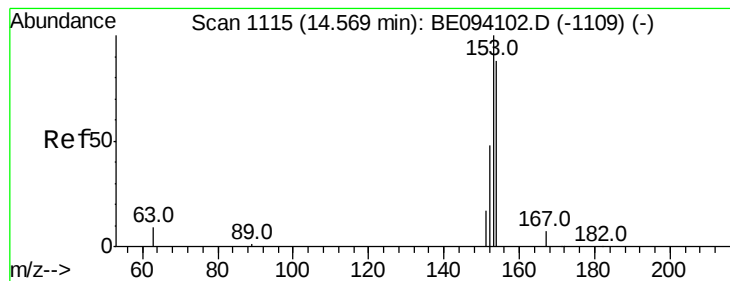
#16  
Acenaphthylene  
Concen: 1.638 ng  
RT: 14.23 min Scan# 1092  
Delta R.T. -0.00 min  
Lab File: BE094104.D  
Acq: 25 Sep 2017 16:08

Tgt Ion:152 Resp: 29906  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.1 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: 1.543 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

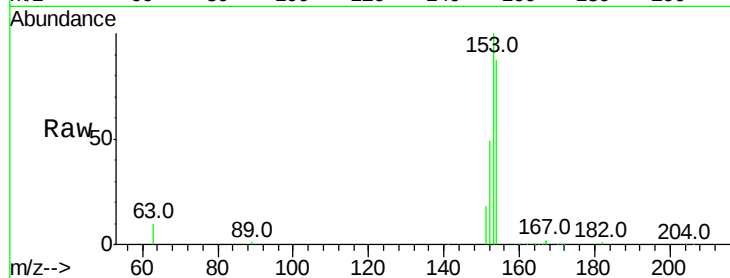
Tot Ion:154 Resp: 18683

Ion Ratio Lower Upper

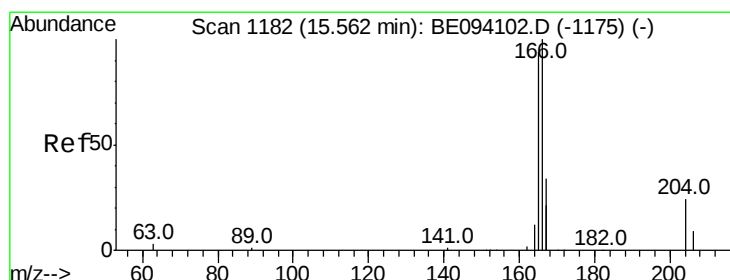
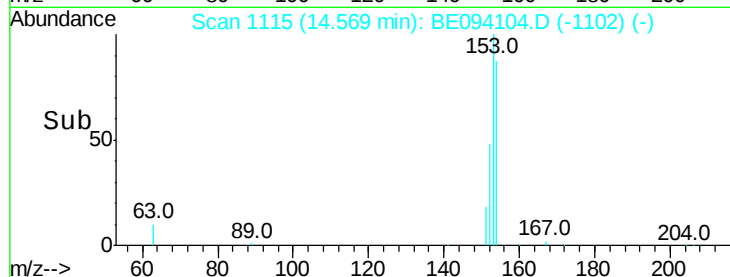
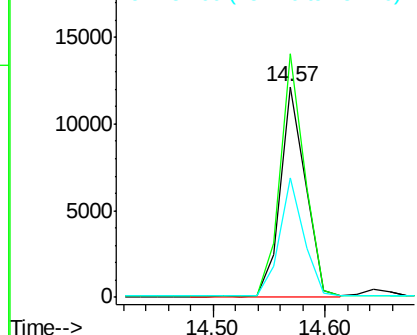
154 100

153 113.4 89.2 133.8

152 54.6 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: 1.389 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

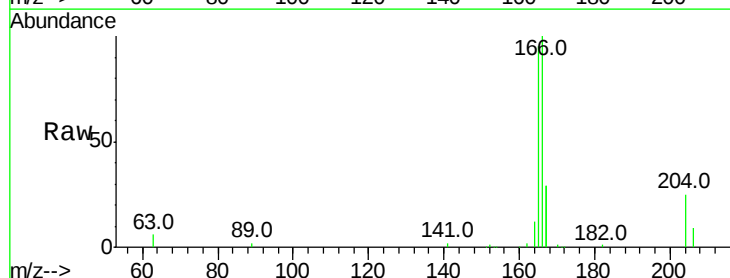
Tgt Ion:166 Resp: 25040

Ion Ratio Lower Upper

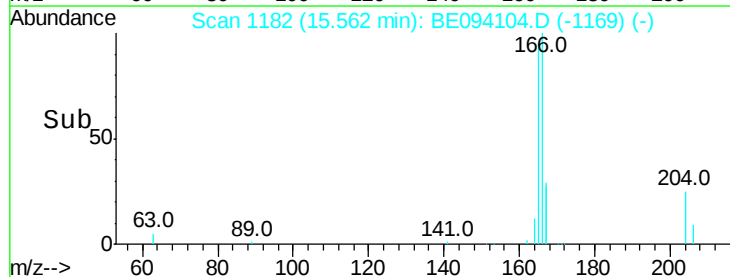
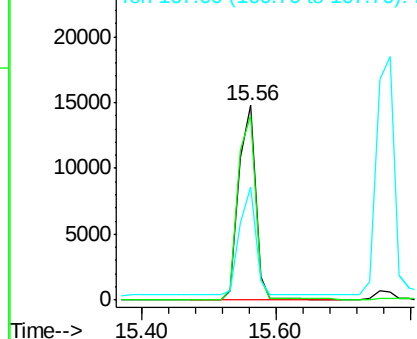
166 100

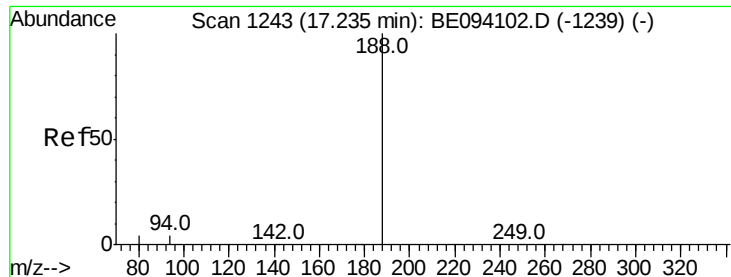
165 98.7 77.8 116.6

167 54.3 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

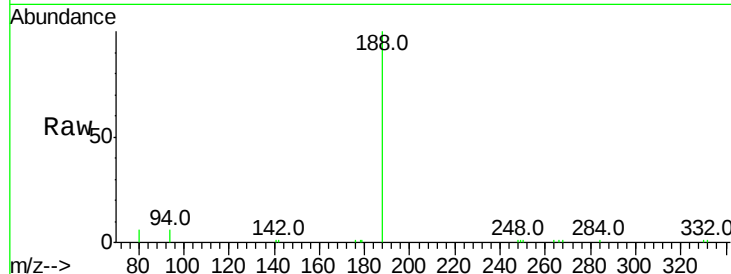




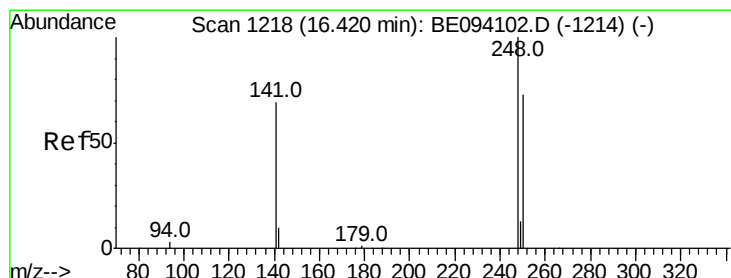
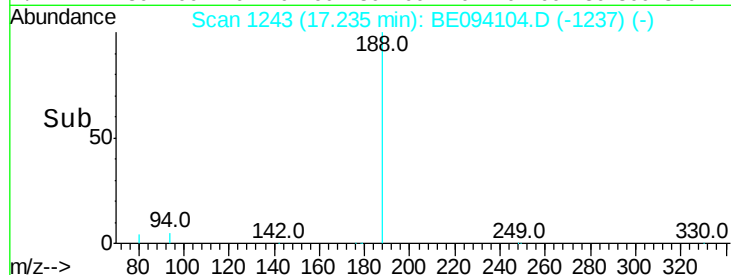
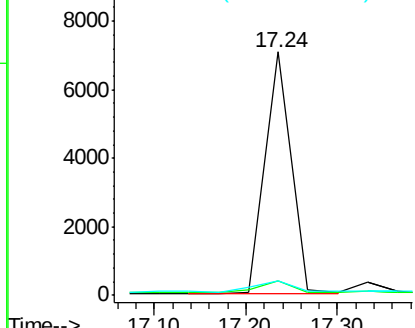
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.24 min Scan# 1243  
 Delta R.T. 0.00 min  
 Lab File: BE094104.D  
 Acq: 25 Sep 2017 16:08

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:188 Resp: 14129  
 Ion Ratio Lower Upper  
 188 100  
 94 6.0 3.9 5.9#  
 80 5.8 3.6 5.4#

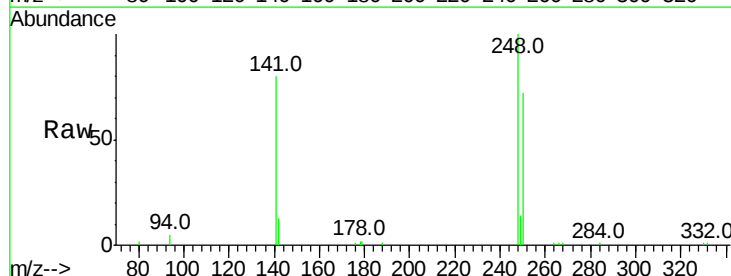


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BE0  
 Ion 80.00 (79.70 to 80.70): BE0

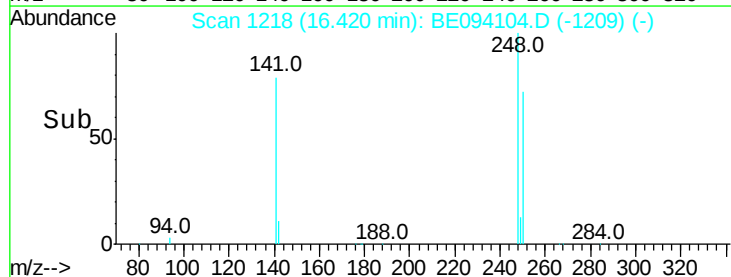
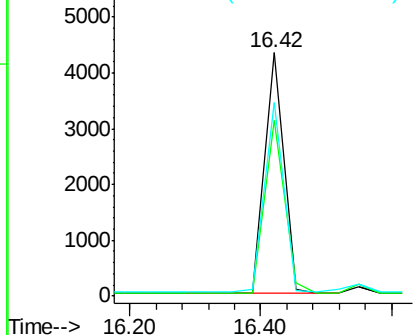


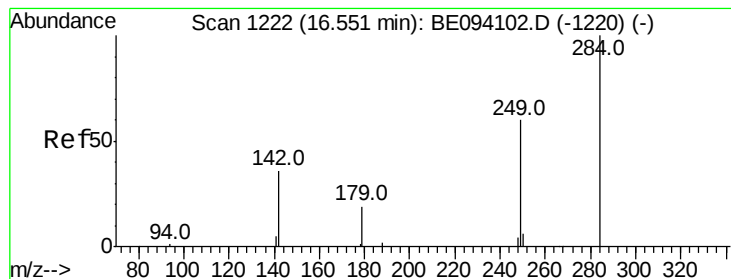
#20  
 4-Bromophenyl-phenylether  
 Concen: 1.143 ng  
 RT: 16.42 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: BE094104.D  
 Acq: 25 Sep 2017 16:08

Tgt Ion:248 Resp: 8631  
 Ion Ratio Lower Upper  
 248 100  
 250 72.4 62.7 94.1  
 141 79.7 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: 0.953 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

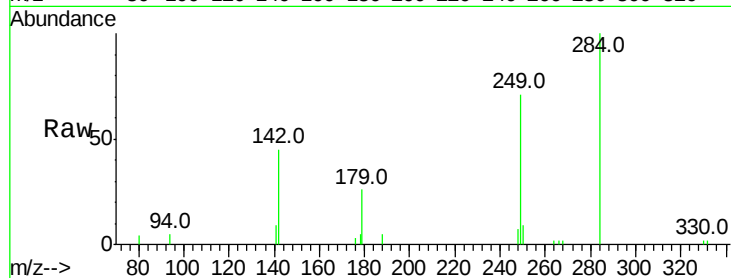
Tot Ion:284 Resp: 5281

Ion Ratio Lower Upper

284 100

142 42.9 22.1 33.1#

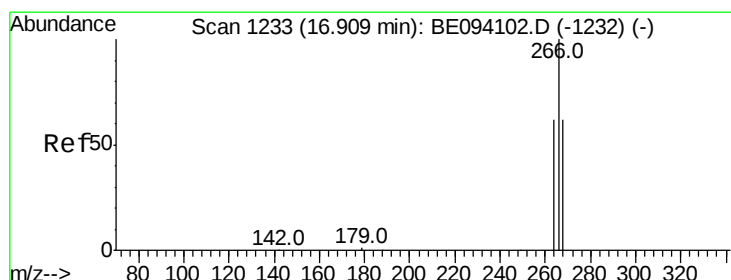
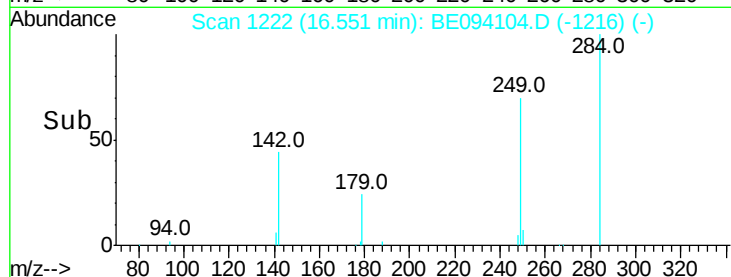
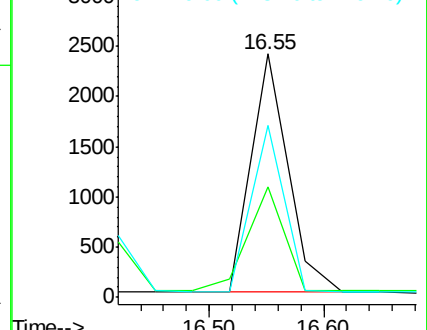
249 62.1 34.8 52.2#



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: 12.424 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

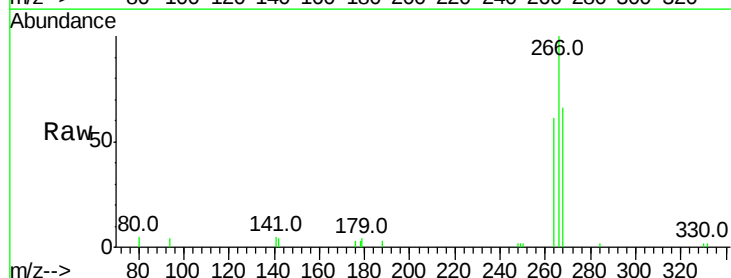
Tgt Ion:266 Resp: 4905

Ion Ratio Lower Upper

266 100

264 60.7 72.5 108.7#

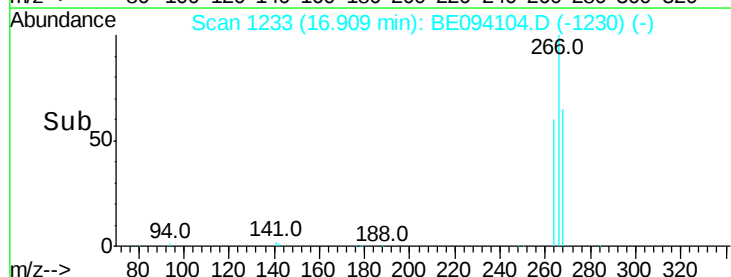
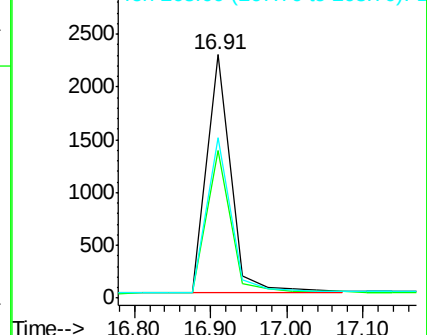
268 65.6 73.8 110.6#

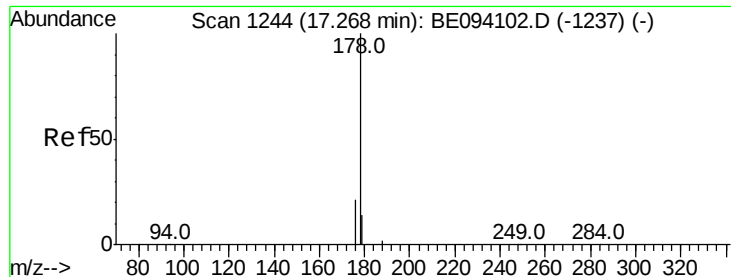


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.163 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

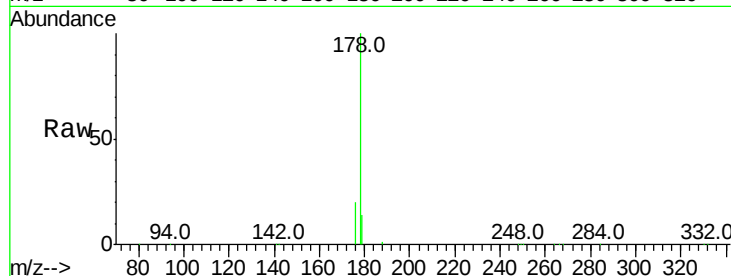
Tot Ion:178 Resp: 58836

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

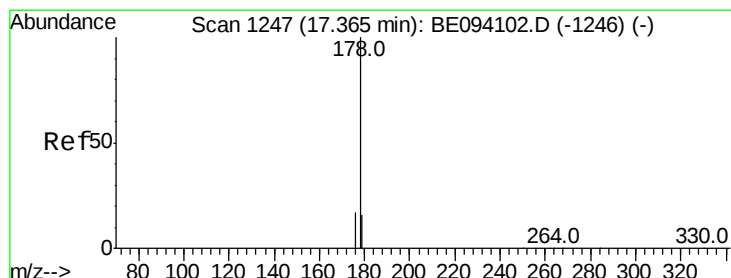
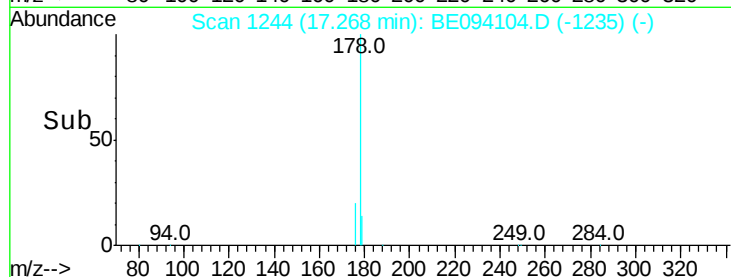
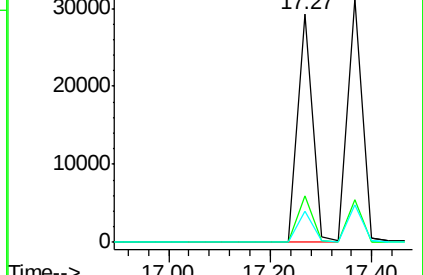
179 13.7 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.587 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

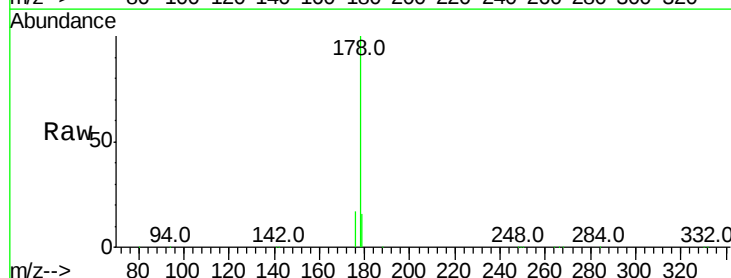
Tgt Ion:178 Resp: 61928

Ion Ratio Lower Upper

178 100

176 17.3 12.8 19.2

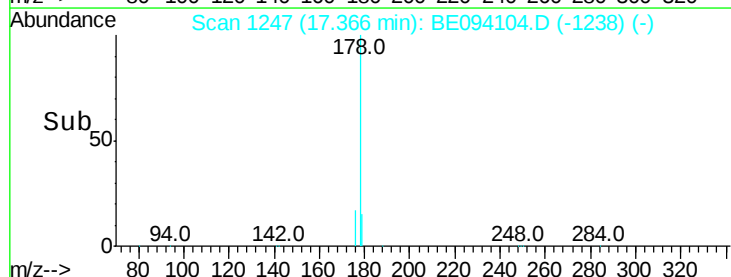
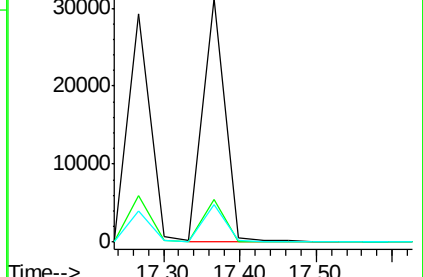
179 15.4 13.0 19.6

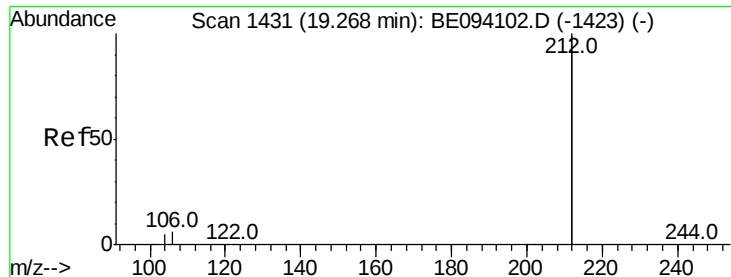


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.172 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

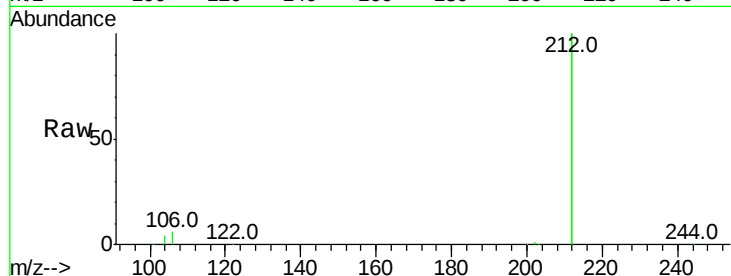
Tot Ion:212 Resp: 212455

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

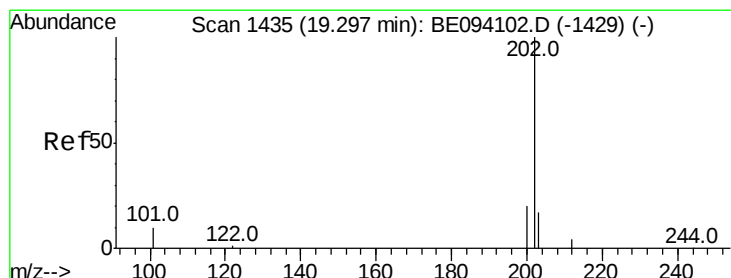
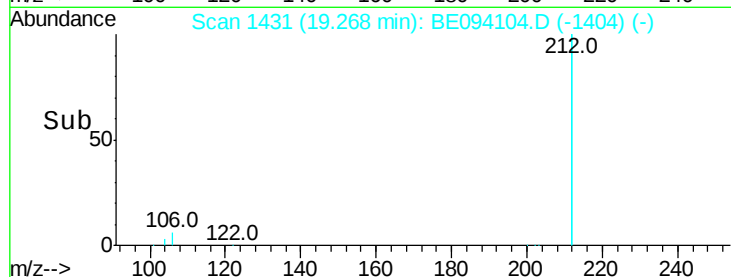
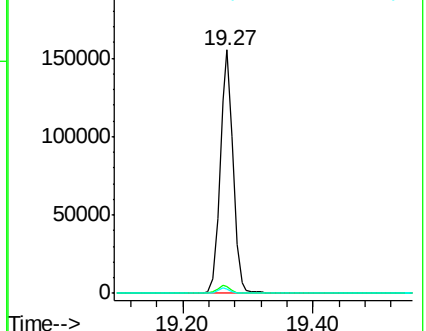
104 2.2 1.6 2.4



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: 1.171 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

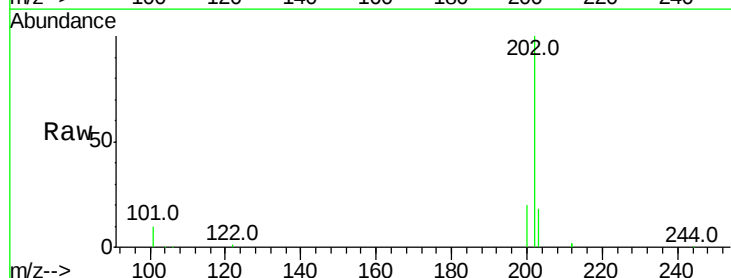
Tgt Ion:202 Resp: 63579

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

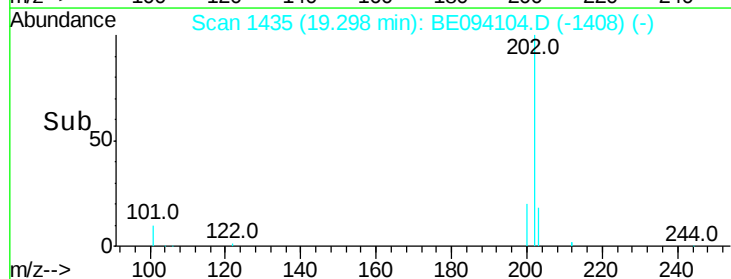
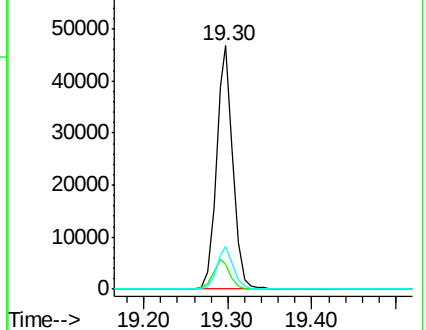
203 17.3 13.7 20.5

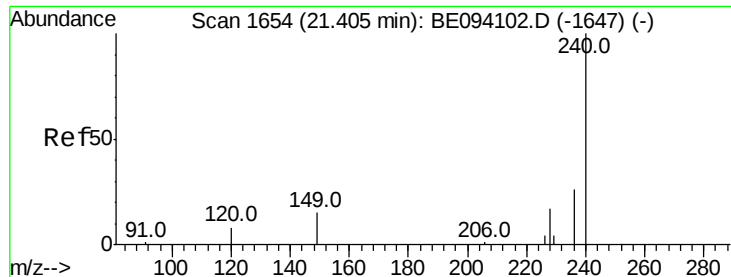


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

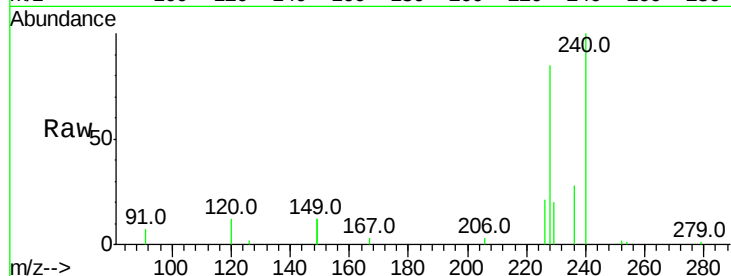
Tot Ion:240 Resp: 13857

Ion Ratio Lower Upper

240 100

120 11.7 5.5 8.3#

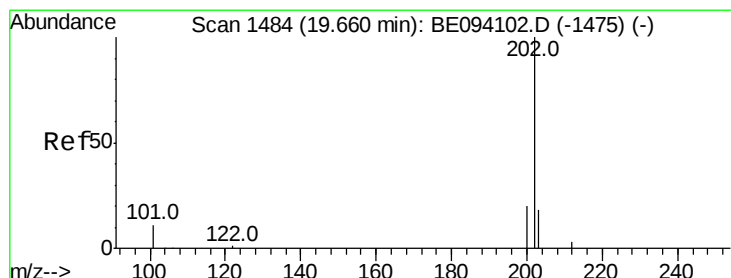
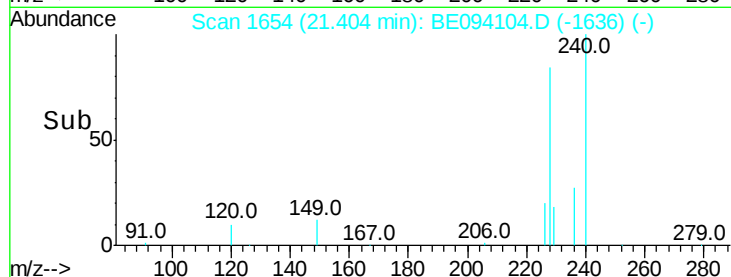
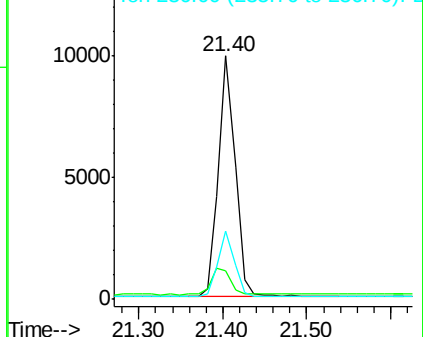
236 27.9 20.7 31.1



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: 1.772 ng

RT: 19.66 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

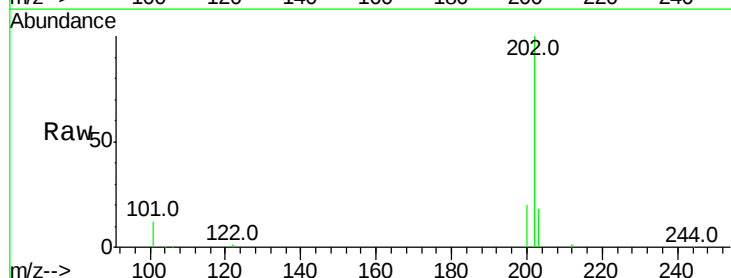
Tgt Ion:202 Resp: 67949

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

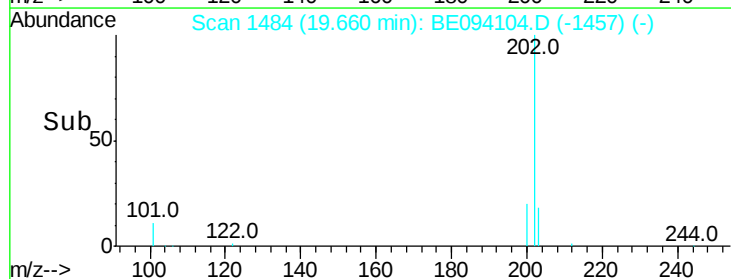
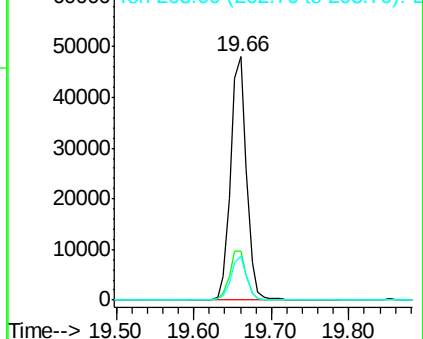
203 17.6 13.8 20.8

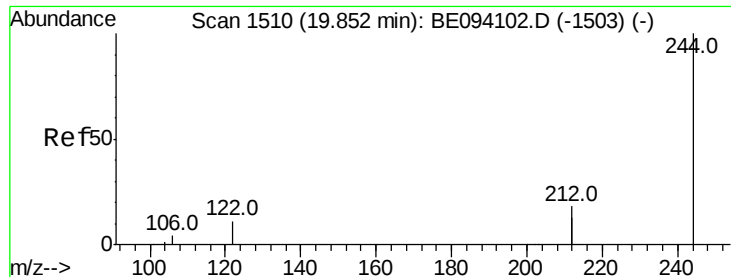


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.754 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

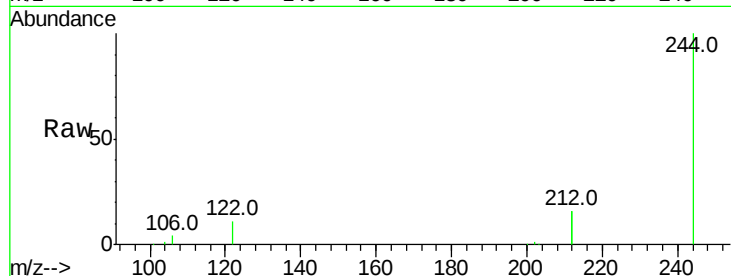
Tot Ion:244 Resp: 38078

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

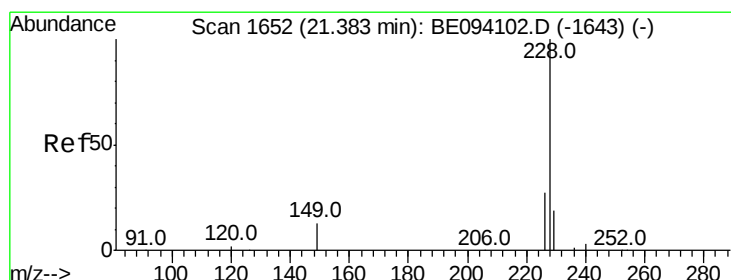
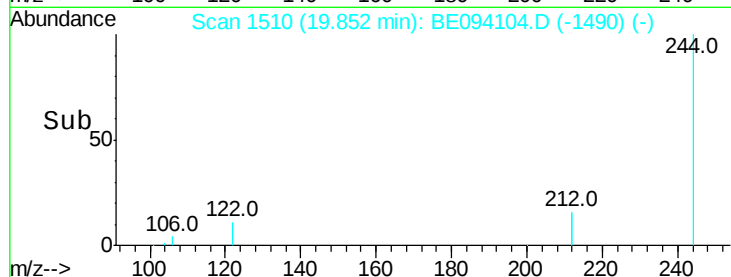
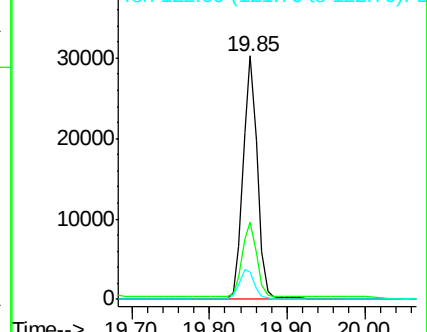
122 11.1 8.1 12.1



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: 1.559 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

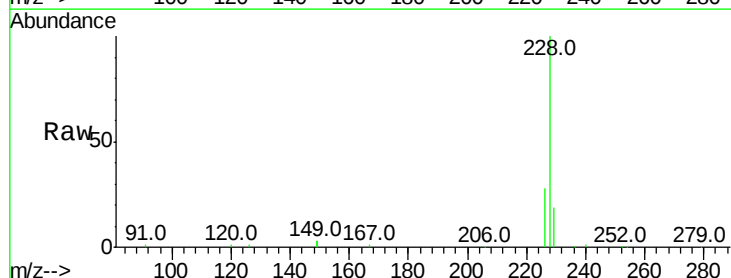
Tgt Ion:228 Resp: 72345

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.0

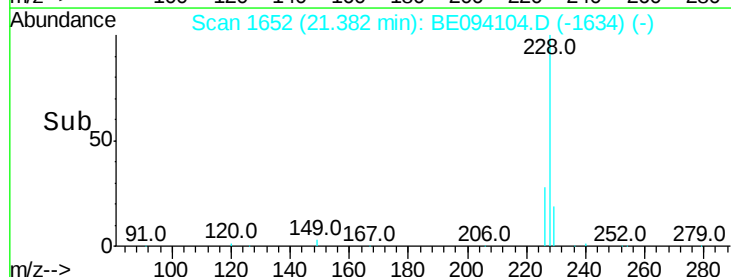
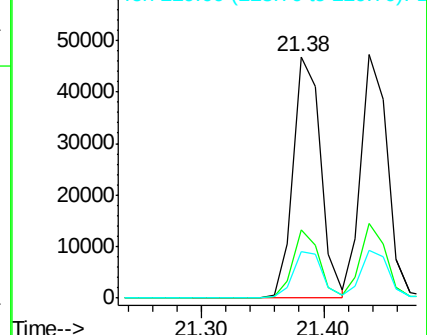
229 19.3 16.4 24.6

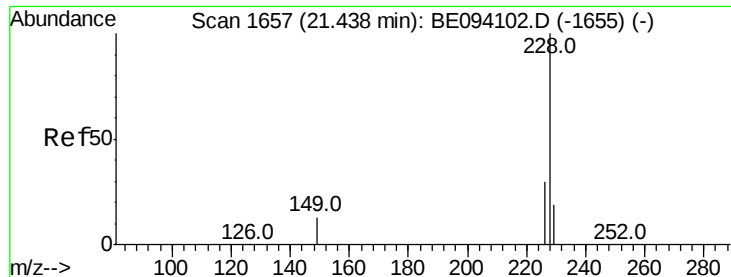


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.556 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

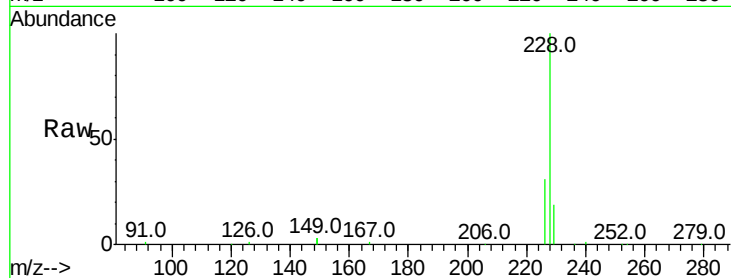
Tot Ion:228 Resp: 70782

Ion Ratio Lower Upper

228 100

226 30.5 23.6 35.4

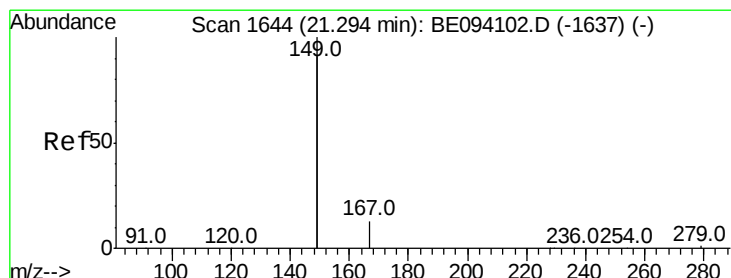
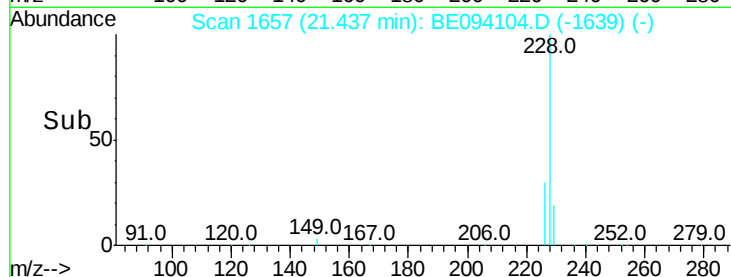
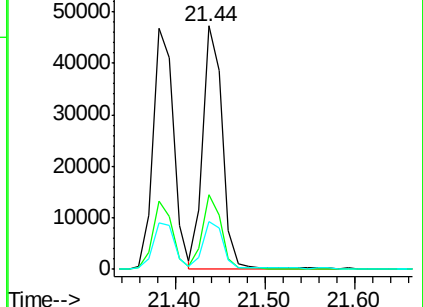
229 19.4 16.4 24.6



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: 1.599 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

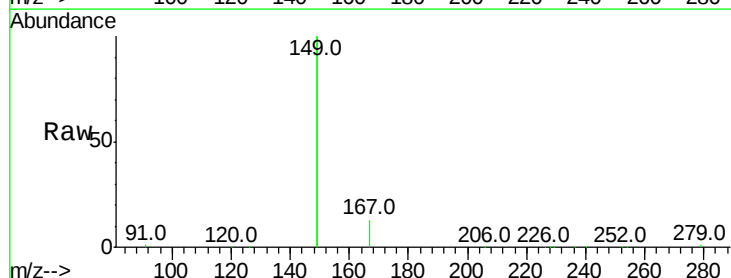
Tgt Ion:149 Resp: 199365

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

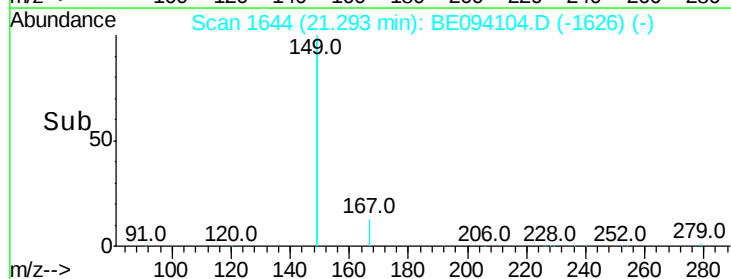
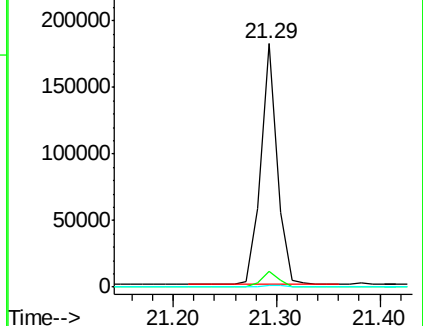
279 0.8 0.7 1.1

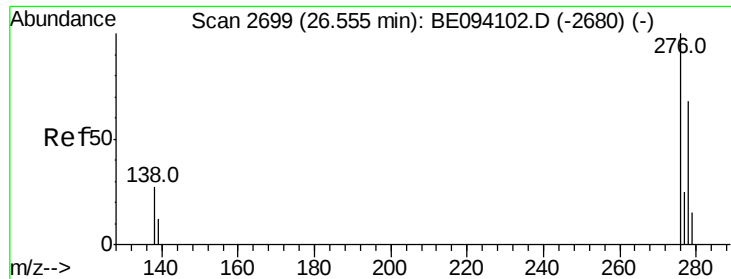


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.025 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

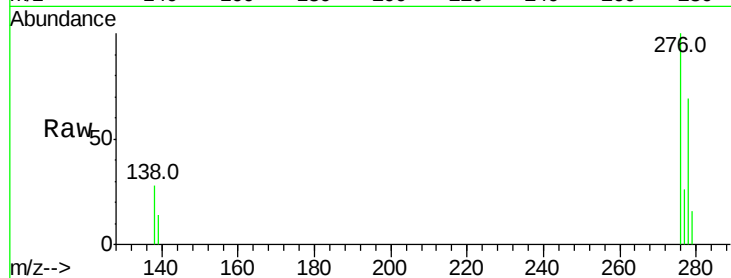
Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :



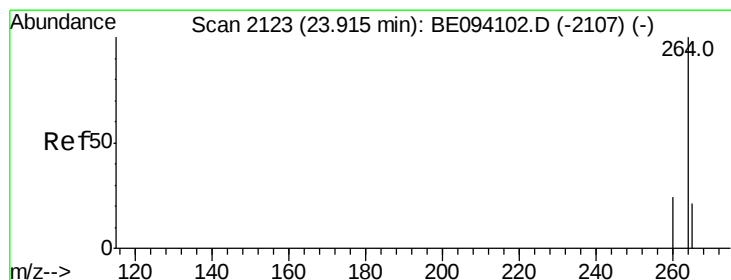
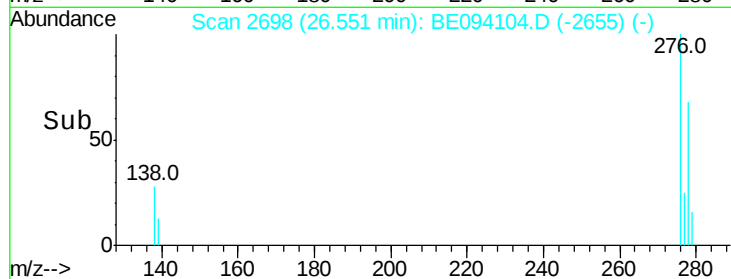
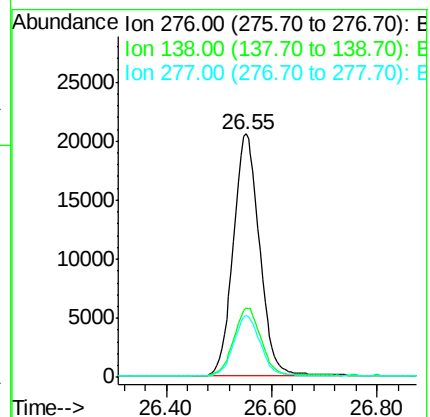
Tot Ion:276 Resp: 71181

Ion Ratio Lower Upper

276 100

138 28.6 22.5 33.7

277 25.2 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

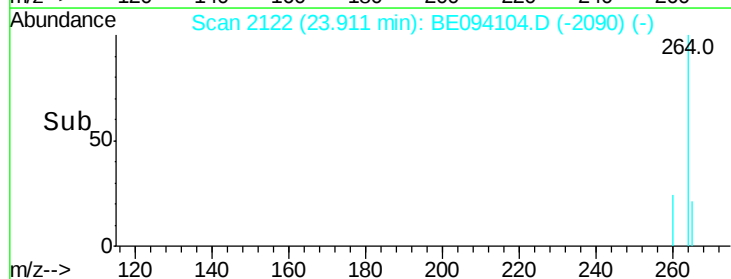
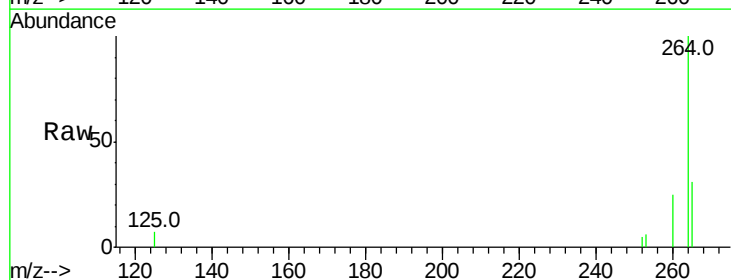
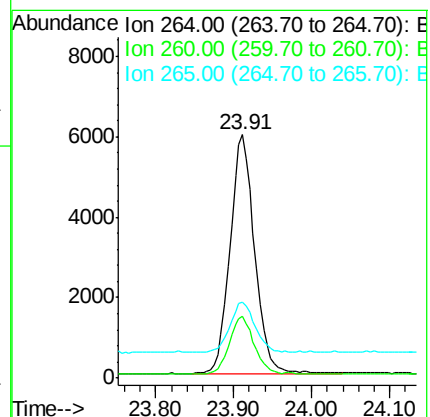
Tgt Ion:264 Resp: 12993

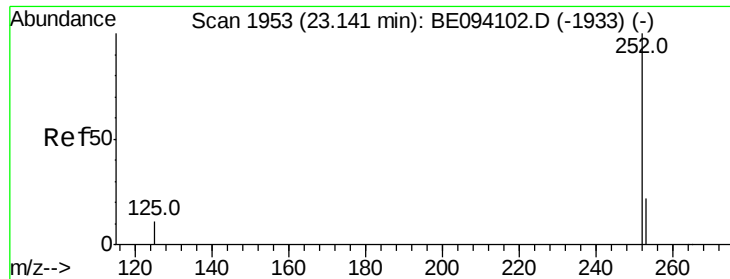
Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

265 31.1 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 1.467 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

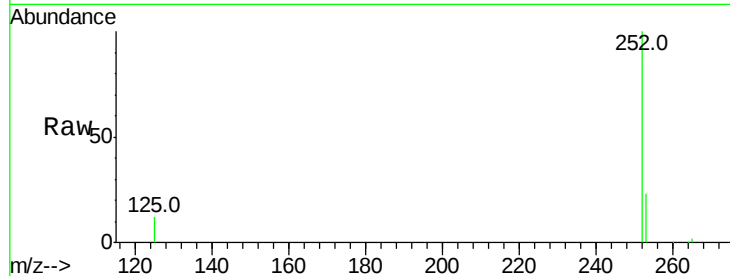
Tot Ion:252 Resp: 68997

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

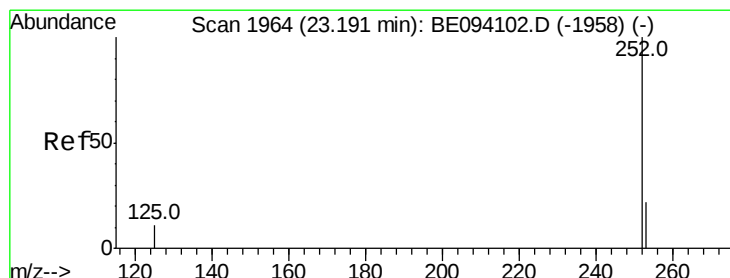
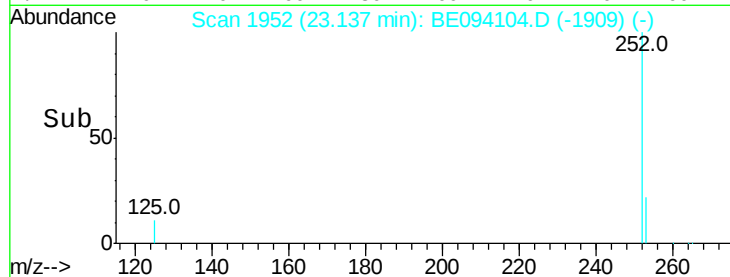
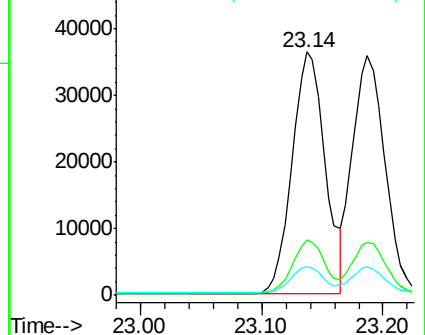
125 11.9 10.1 15.1



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: 1.432 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

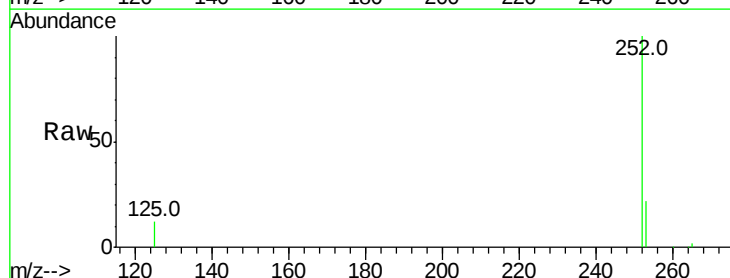
Tgt Ion:252 Resp: 67580

Ion Ratio Lower Upper

252 100

253 22.3 18.6 27.8

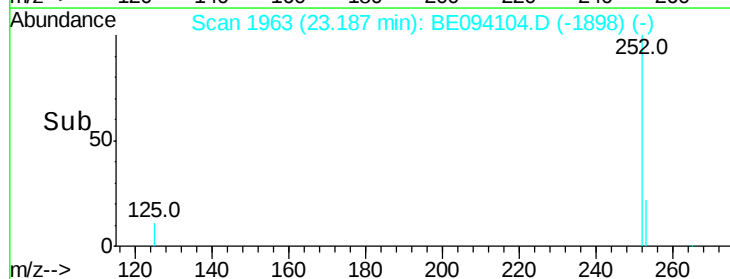
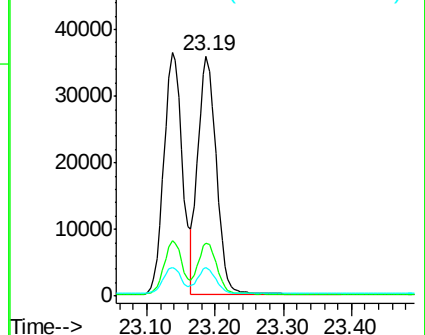
125 11.9 10.7 16.1

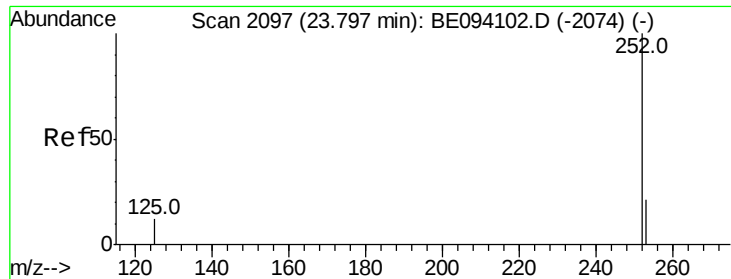


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.537 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :

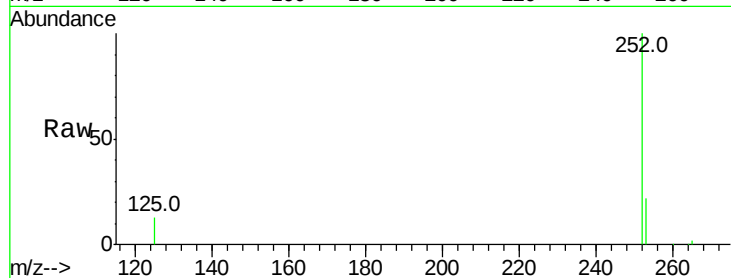
Tot Ion:252 Resp: 64914

Ion Ratio Lower Upper

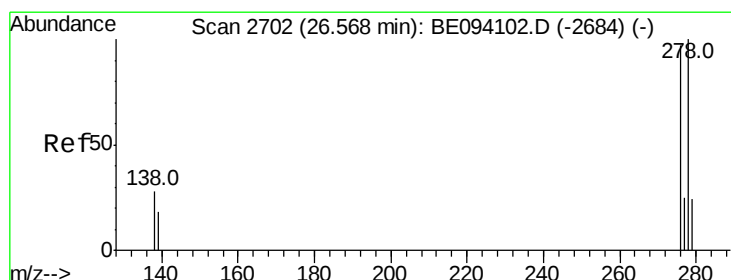
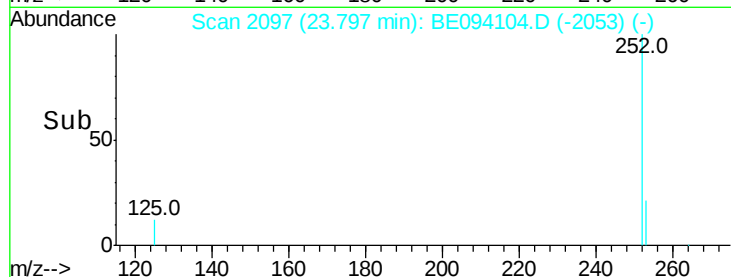
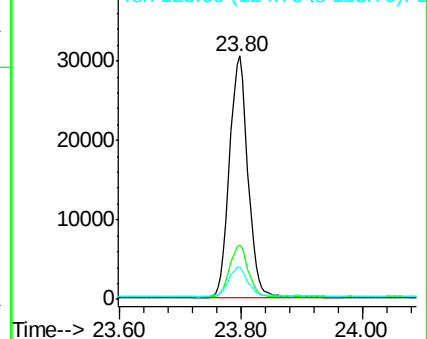
252 100

253 22.3 19.0 28.6

125 13.3 11.8 17.8



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: 1.813 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

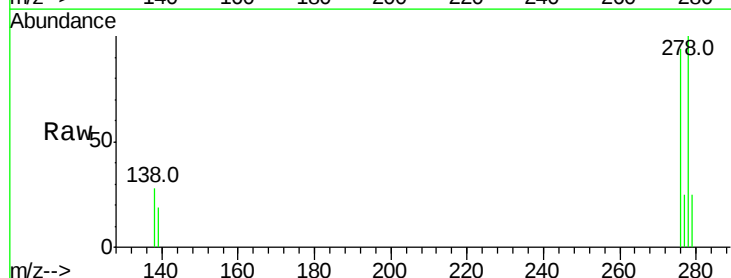
Tgt Ion:278 Resp: 61291

Ion Ratio Lower Upper

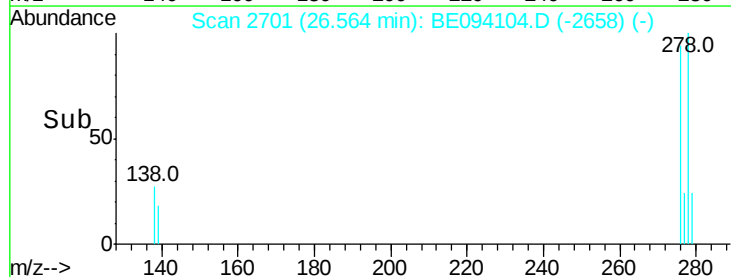
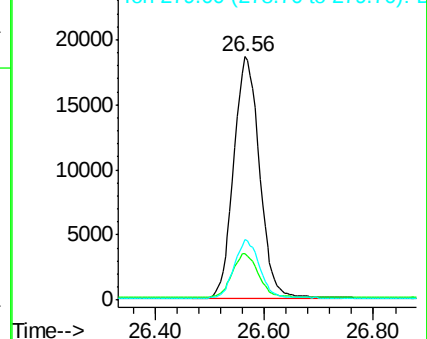
278 100

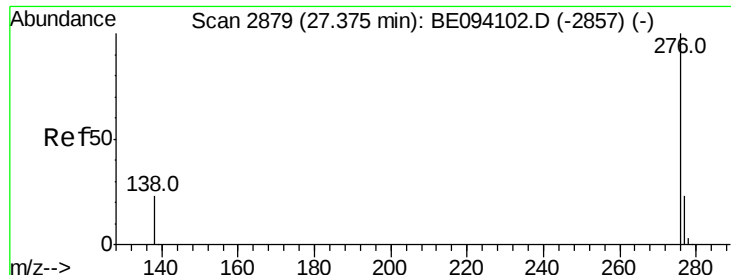
139 19.2 16.3 24.5

279 24.6 19.9 29.9



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: 1.795 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

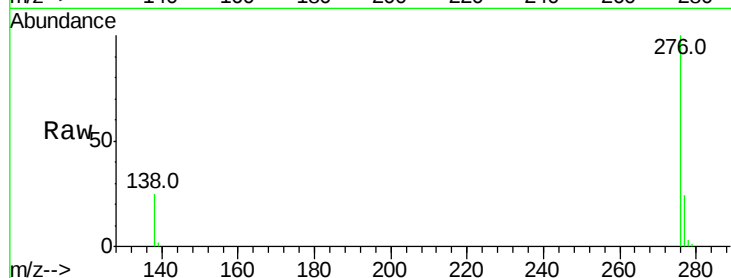
Lab File: BE094104.D

Acq: 25 Sep 2017 16:08

Instrument :

BNA\_E

ClientSampleId :



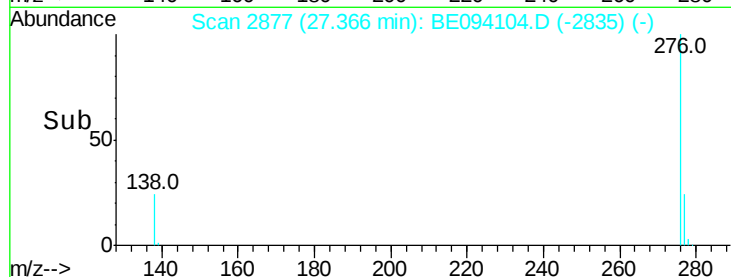
Tot Ion: 276 Resp: 60659

Ion Ratio Lower Upper

276 100

277 24.1 20.8 31.2

138 25.4 21.5 32.3



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

