

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102417\  
 Data File : BE094511.D  
 Acq On : 24 Oct 2017 9:59  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 24 15:48:01 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1147     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.70 | 136  | 6459     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 3976     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 7438     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 9350     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 8864     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.53  | 112  | 1651     | 0.42 | ng    | 0.00     |
| 5) Phenol-d6                | 7.14  | 99   | 2628     | 0.44 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.96  | 82   | 117      | 0.02 | ng    | -0.12    |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152  | 4227     | 0.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 483      | 0.44 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 5579     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.28 | 212  | 41037    | 0.46 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 6975     | 0.40 | ng    | 0.00     |

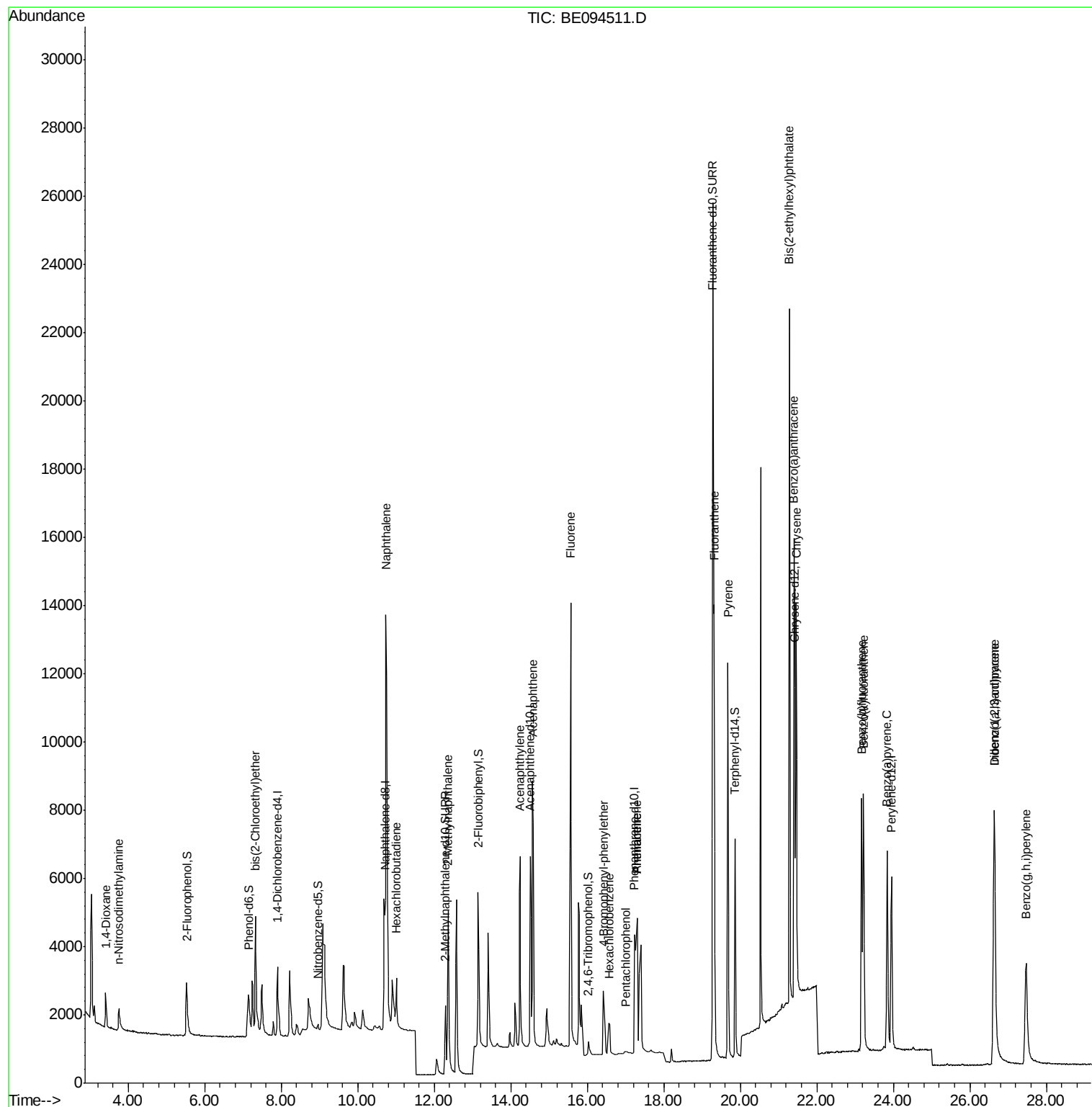
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88   | 787      | 0.405 | ng    | # 89   |
| 3) n-Nitrosodimethylamine      | 3.75  | 42   | 733      | 0.394 | ng    | # 80   |
| 6) bis(2-Chloroethyl)ether     | 7.33  | 93   | 1807     | 0.394 | ng    | 87     |
| 9) Naphthalene                 | 10.74 | 128  | 29459    | 0.403 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.01 | 225  | 1084     | 0.410 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 5049     | 0.407 | ng    | 98     |
| 16) Acenaphthylene             | 14.24 | 152  | 8191     | 0.390 | ng    | 100    |
| 17) Acenaphthene               | 14.57 | 154  | 5348     | 0.397 | ng    | 99     |
| 18) Fluorene                   | 15.56 | 166  | 6888     | 0.399 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248  | 1651     | 0.407 | ng    | # 24   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 1735     | 0.488 | ng    | # 38   |
| 22) Pentachlorophenol          | 17.01 | 266  | 106      | 0.233 | ng    | 94     |
| 23) Phenanthrene               | 17.30 | 178  | 8271     | 0.421 | ng    | 99     |
| 24) Anthracene                 | 17.30 | 178  | 8267     | 0.378 | ng    | 96     |
| 26) Fluoranthene               | 19.31 | 202  | 12356    | 0.454 | ng    | 100    |
| 28) Pyrene                     | 19.67 | 202  | 12937    | 0.396 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 12447    | 0.409 | ng    | # 62   |
| 31) Chrysene                   | 21.46 | 228  | 12124    | 0.392 | ng    | # 64   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 28964    | 0.388 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.64 | 276  | 11453    | 0.401 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 23.17 | 252  | 11521    | 0.402 | ng    | # 41   |
| 36) Benzo(k)fluoranthene       | 23.22 | 252  | 12056    | 0.395 | ng    | # 41   |
| 37) Benzo(a)pyrene             | 23.84 | 252  | 11118    | 0.400 | ng    | # 34   |
| 38) Dibenzo(a,h)anthracene     | 26.64 | 278  | 9975     | 0.399 | ng    | # 46   |
| 39) Benzo(g,h,i)perylene       | 27.47 | 276  | 9368     | 0.401 | ng    | # 56   |

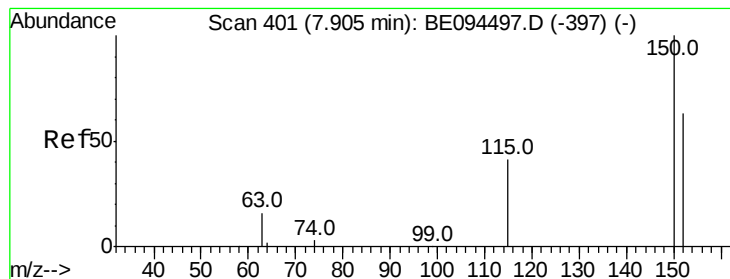
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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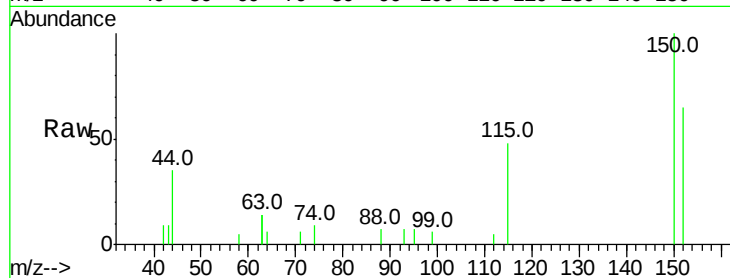


#1

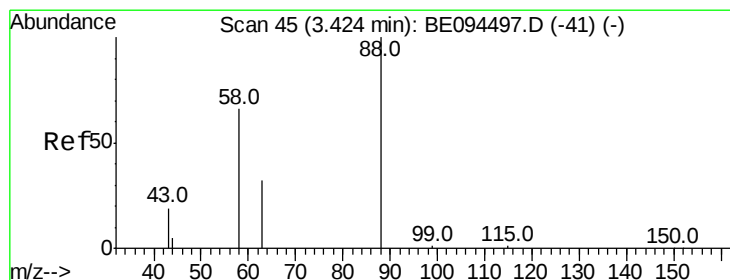
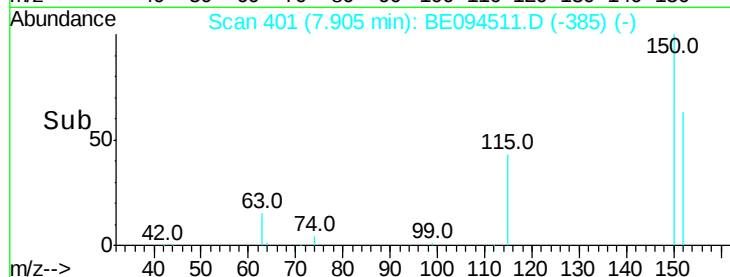
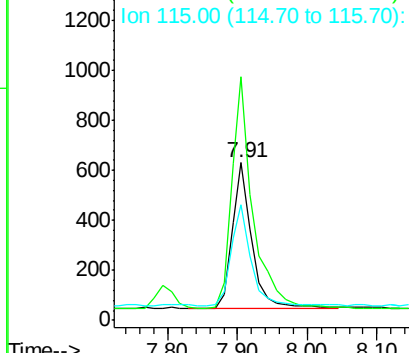
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.91 min Scan# 401  
 Delta R.T. 0.00 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:152 Resp: 1147  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 117.2 175.8  
 115 73.5 57.0 85.6



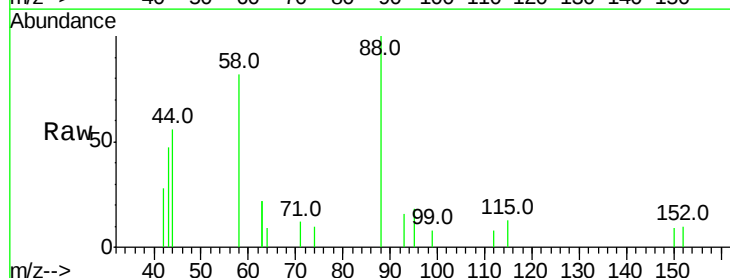
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



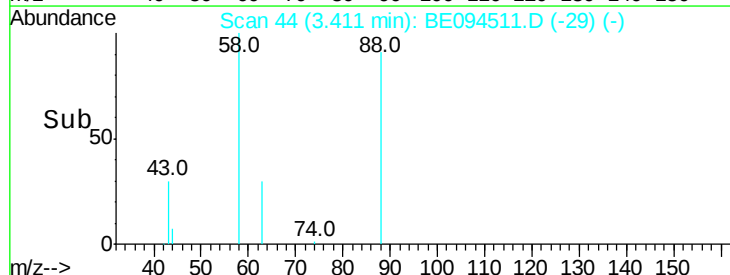
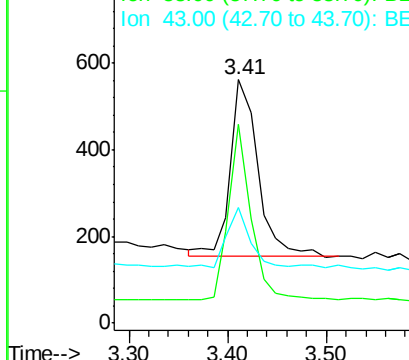
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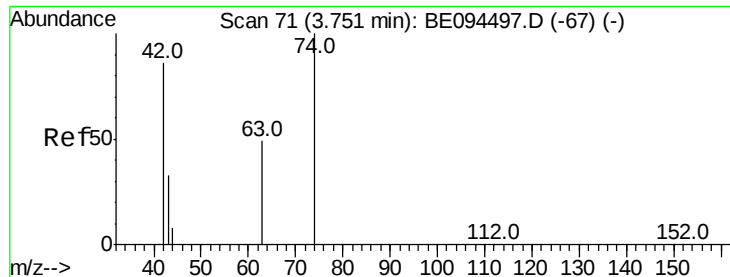
1,4-Dioxane  
 Concen: 0.405 ng  
 RT: 3.41 min Scan# 44  
 Delta R.T. -0.01 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

Tgt Ion: 88 Resp: 787  
 Ion Ratio Lower Upper  
 88 100  
 58 80.9 63.2 94.8  
 43 34.7 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



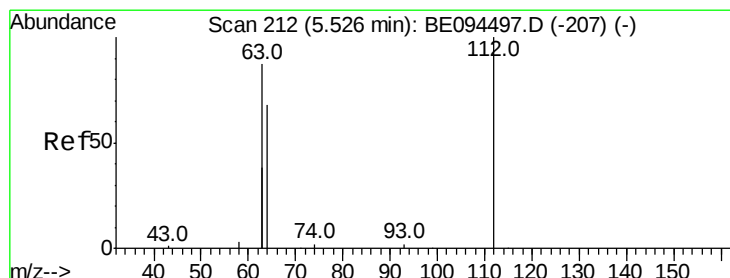
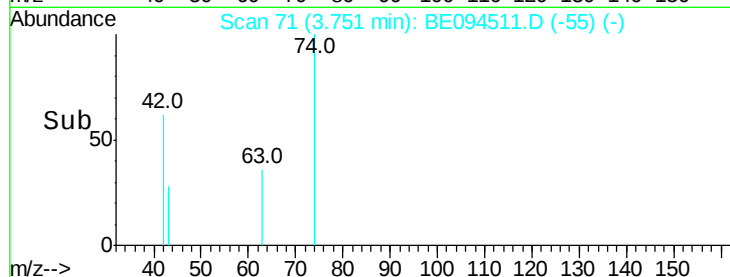
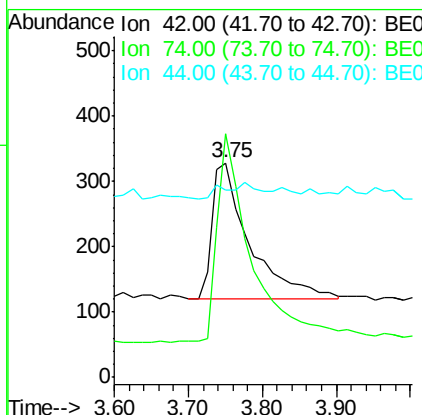
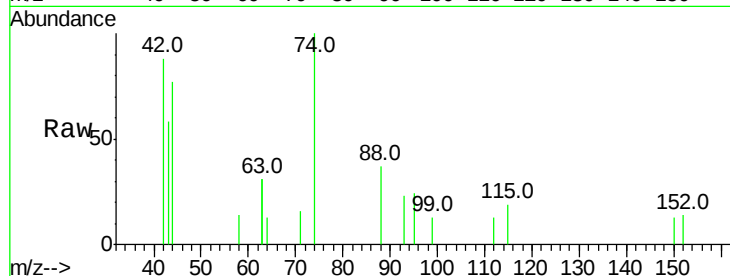


#3

n-Nitrosodimethylamine  
 Concen: 0.394 ng  
 RT: 3.75 min Scan# 71  
 Delta R.T. 0.00 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

Instrument :  
 BNA\_E  
 ClientSampleId :

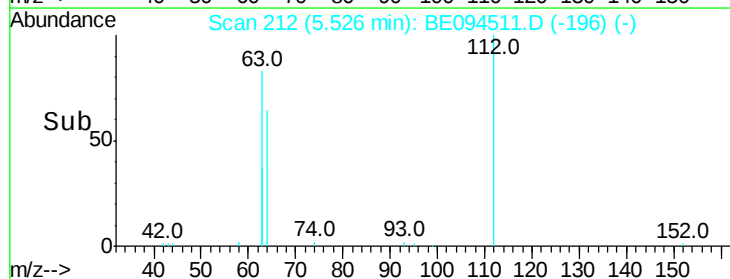
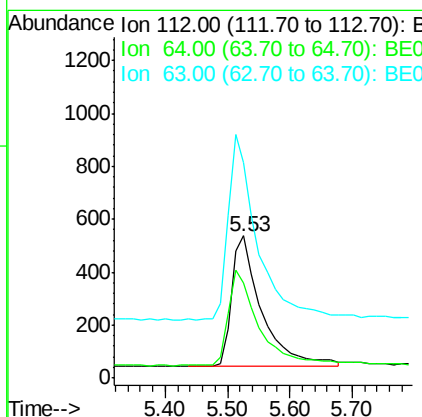
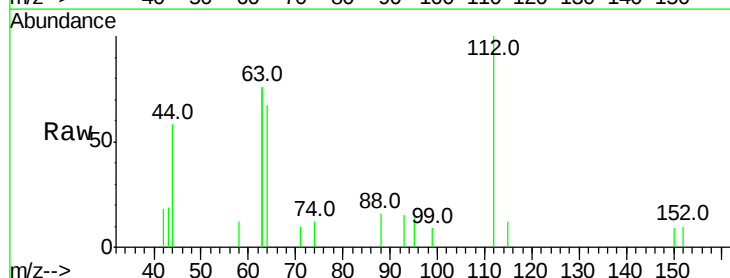
Tot Ion: 42 Resp: 733  
 Ion Ratio Lower Upper  
 42 100  
 74 143.0 100.3 150.5  
 44 0.0 17.0 25.4#

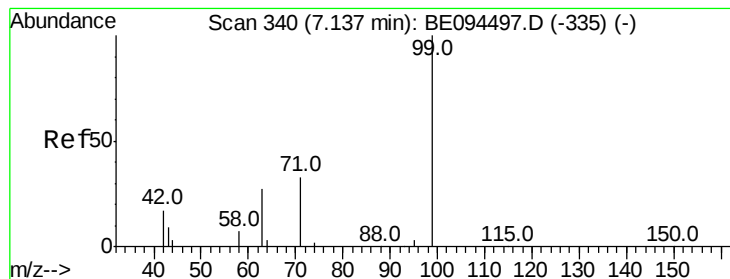


#4

2-Fluorophenol  
 Concen: 0.420 ng  
 RT: 5.53 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

Tgt Ion: 112 Resp: 1651  
 Ion Ratio Lower Upper  
 112 100  
 64 73.3 60.1 90.1  
 63 139.7 116.8 175.2





#5

Phenol-d6

Concen: 0.443 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

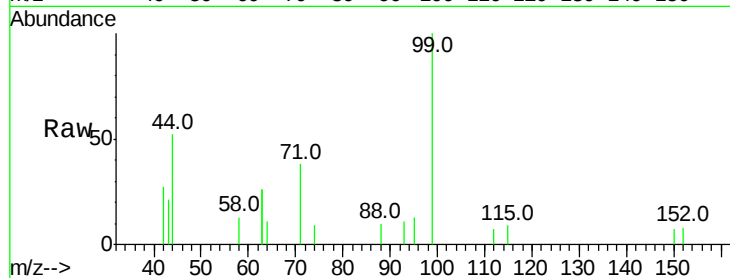
Tot Ion: 99 Resp: 2628

Ion Ratio Lower Upper

99 100

42 17.1 20.2 30.2#

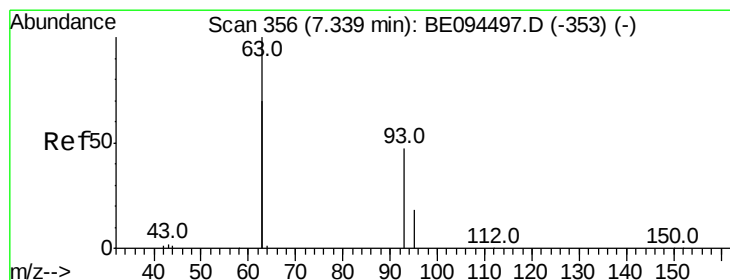
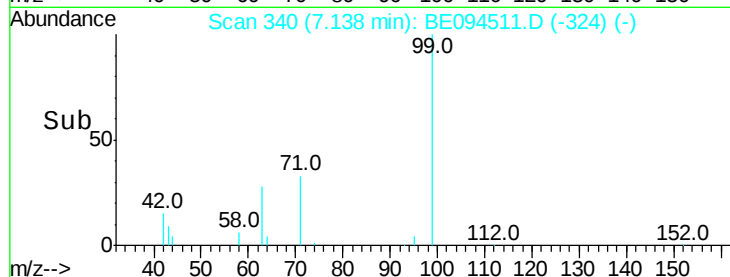
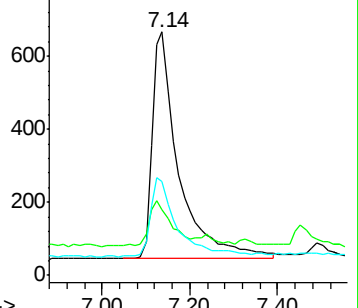
71 34.6 28.4 42.6



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: 0.394 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.01 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

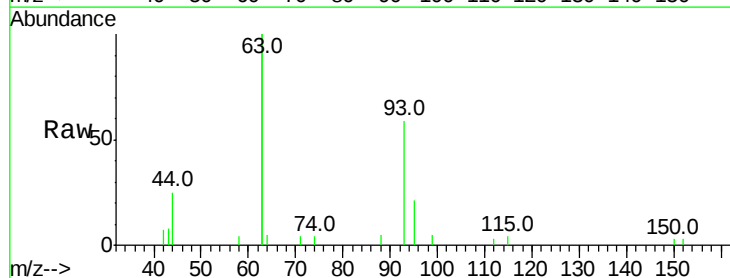
Tgt Ion: 93 Resp: 1807

Ion Ratio Lower Upper

93 100

63 315.2 275.3 412.9

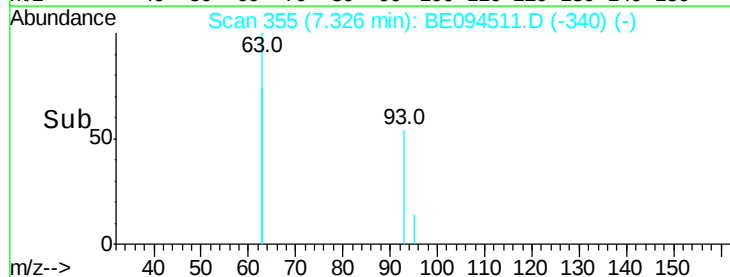
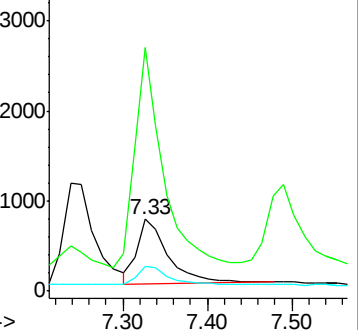
95 29.8 25.2 37.8

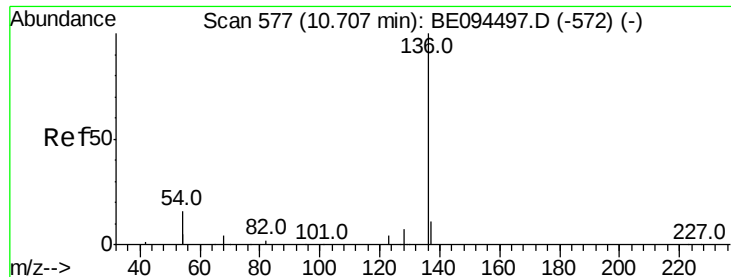


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.70 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 6459

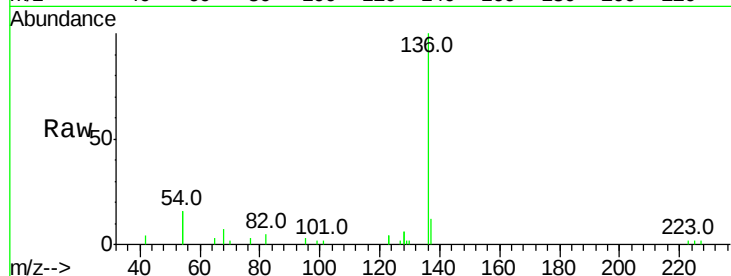
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 31.1 29.1 43.7

68 7.0 6.2 9.2

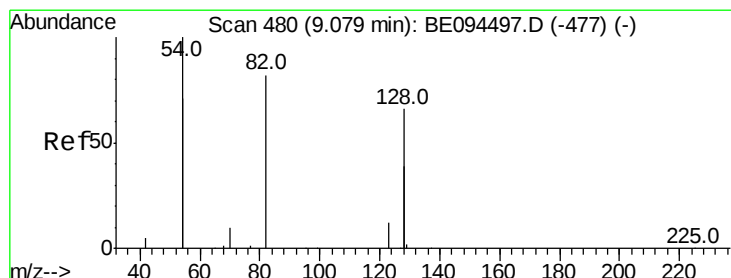
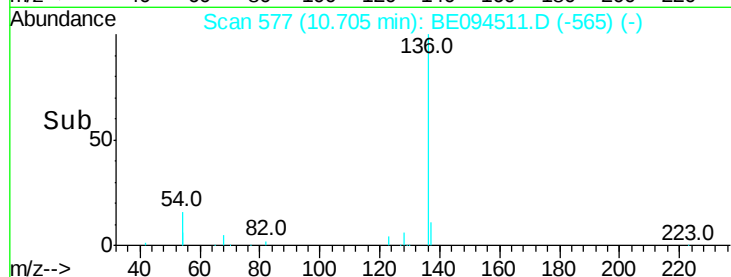
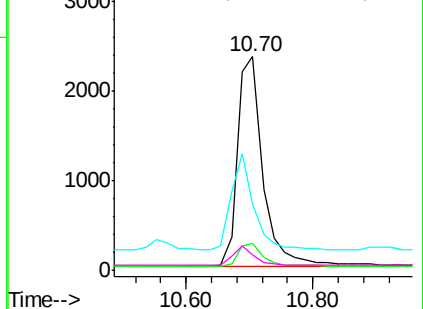


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.023 ng

RT: 8.96 min Scan# 473

Delta R.T. -0.12 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

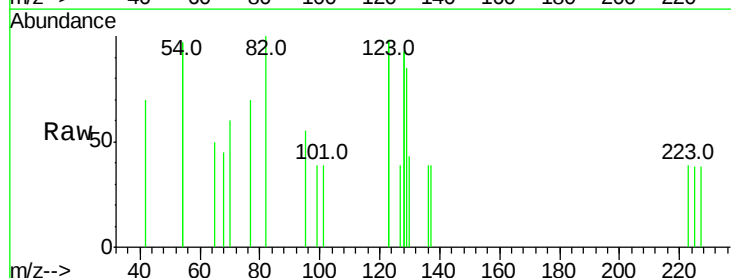
Tgt Ion: 82 Resp: 117

Ion Ratio Lower Upper

82 100

128 186.6 150.0 225.0

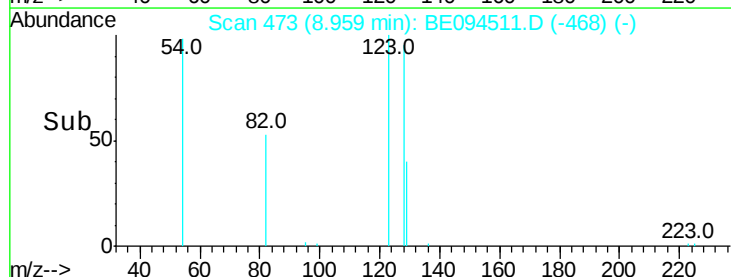
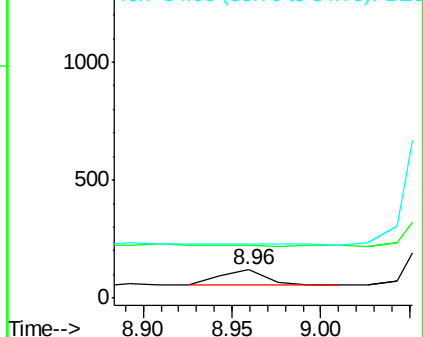
54 193.3 154.2 231.4

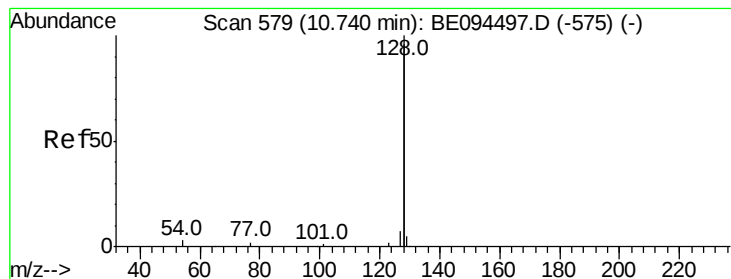


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampled :

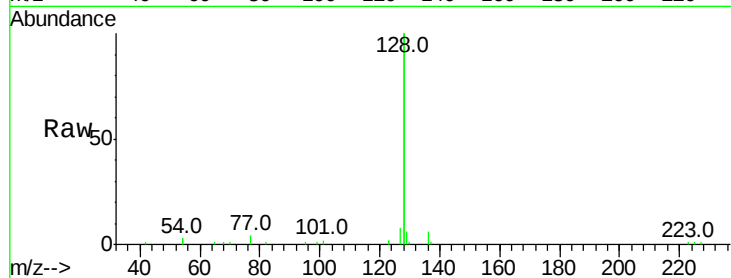
Tot Ion:128 Resp: 29459

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

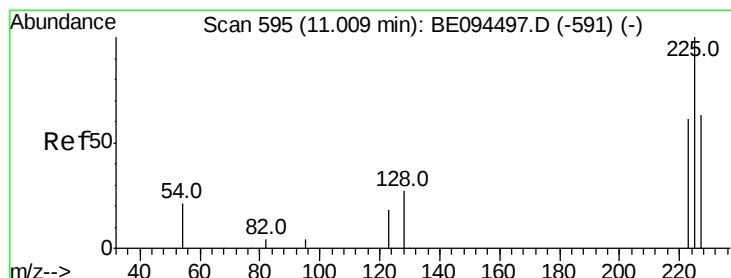
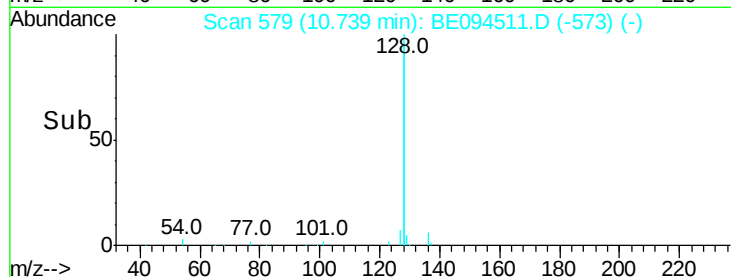
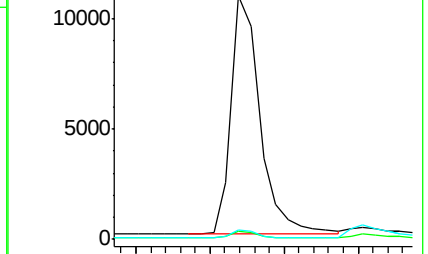
127 3.8 2.8 4.2



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: 0.410 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

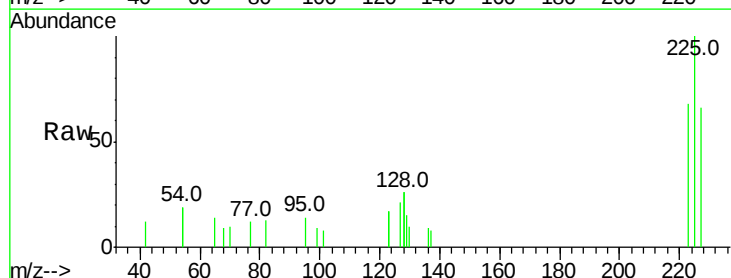
Tgt Ion:225 Resp: 1084

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

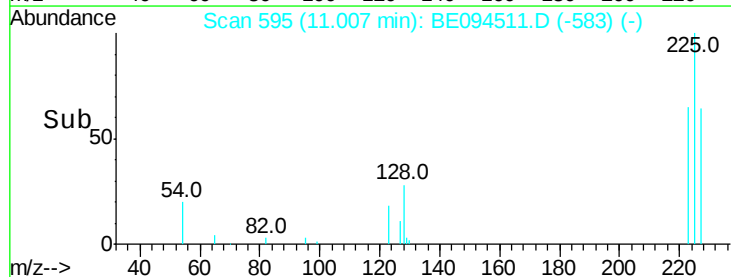
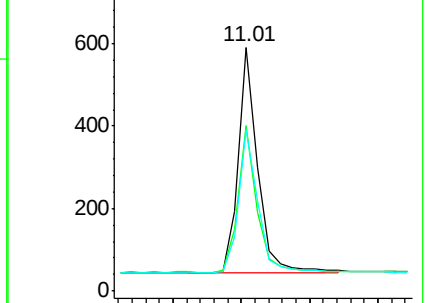
227 63.7 51.4 77.2

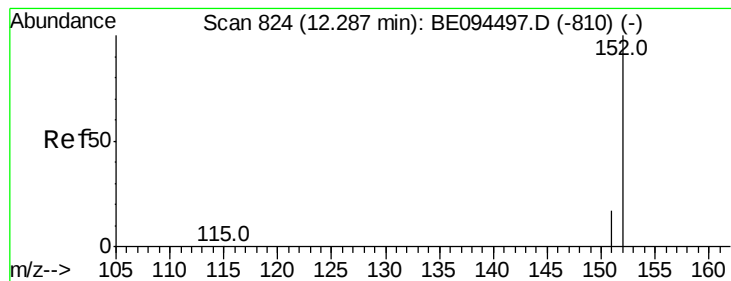


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

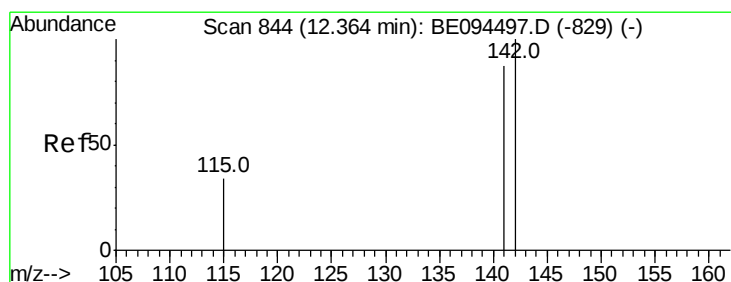
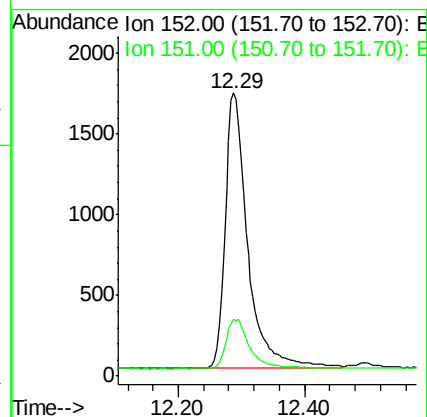
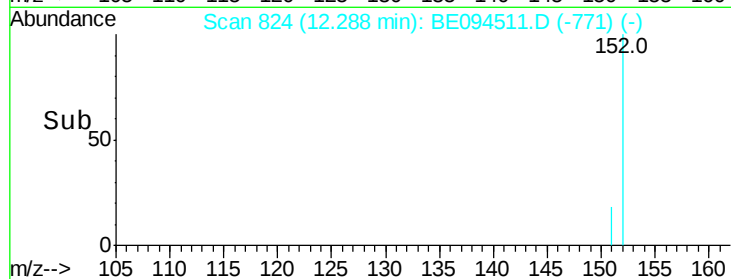
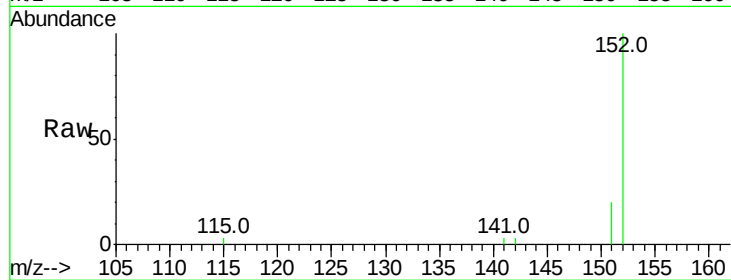
ClientSampleId :

Tot Ion:152 Resp: 4227

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.407 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

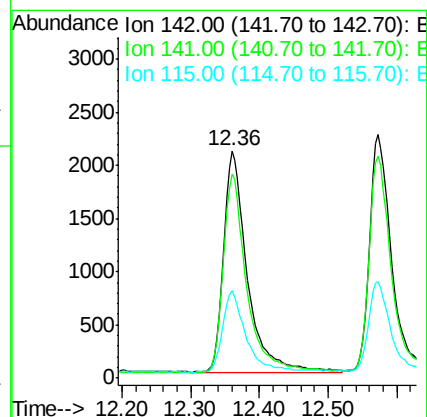
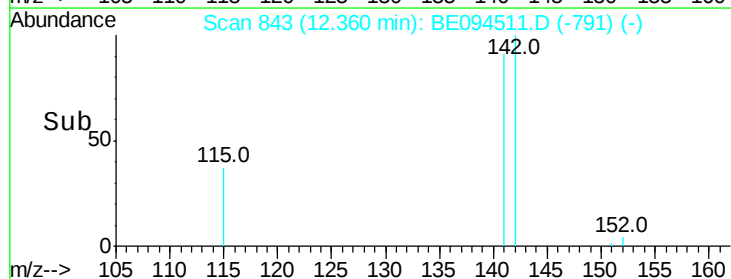
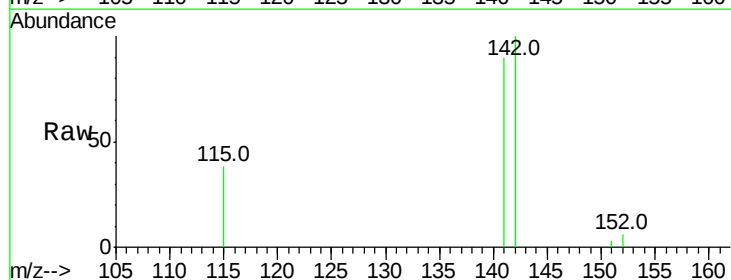
Tgt Ion:142 Resp: 5049

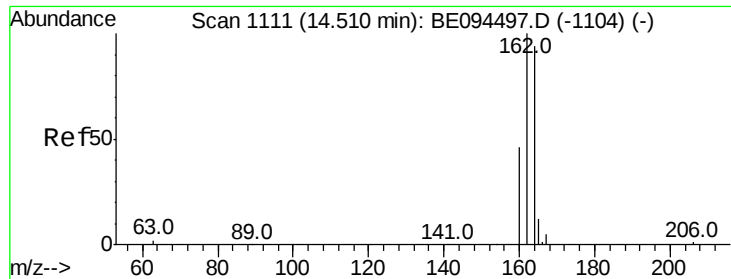
Ion Ratio Lower Upper

142 100

141 90.0 70.4 105.6

115 38.4 31.7 47.5

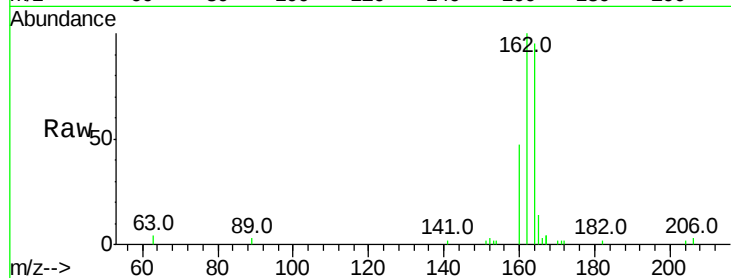




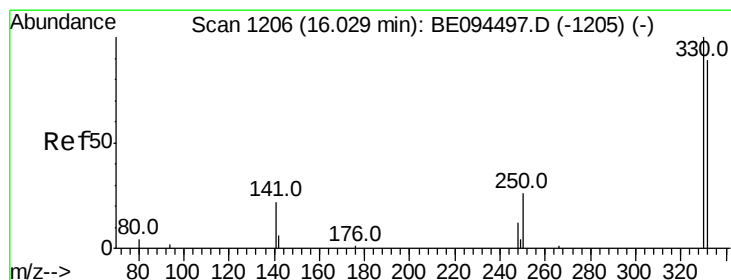
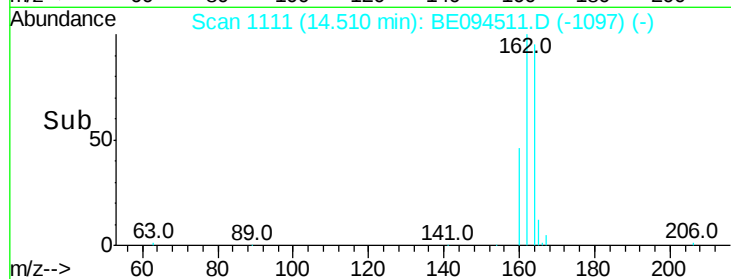
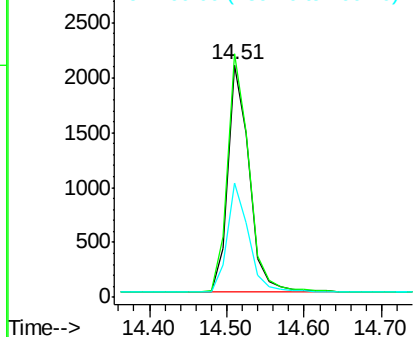
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 3976  
Ion Ratio Lower Upper  
164 100  
162 104.8 83.1 124.7  
160 49.2 37.1 55.7

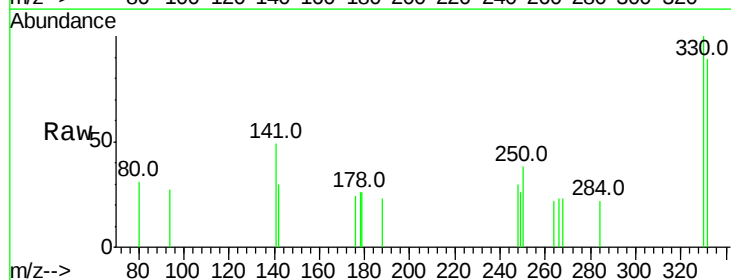


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

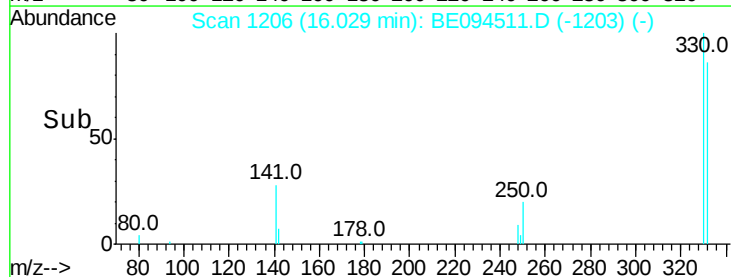
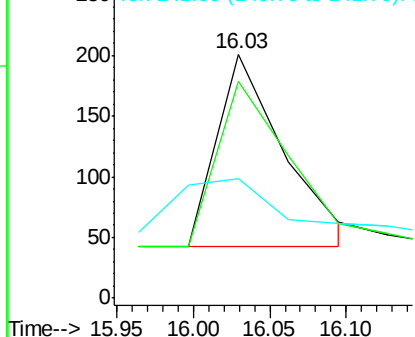


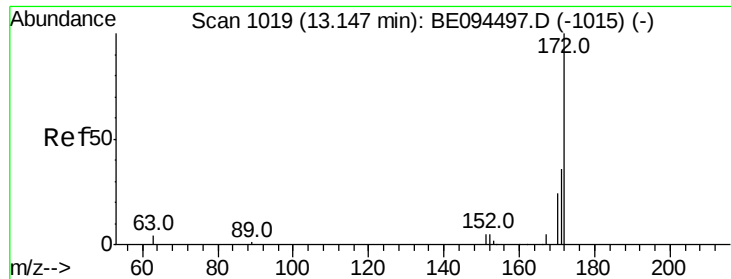
#14  
2,4,6-Tribromophenol  
Concen: 0.440 ng  
RT: 16.03 min Scan# 1206  
Delta R.T. 0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

Tgt Ion:330 Resp: 483  
Ion Ratio Lower Upper  
330 100  
332 93.2 152.7 229.1#  
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

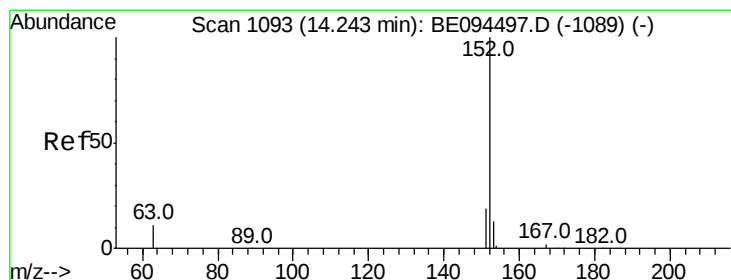
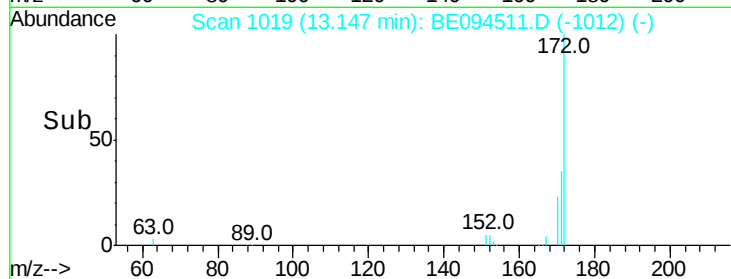
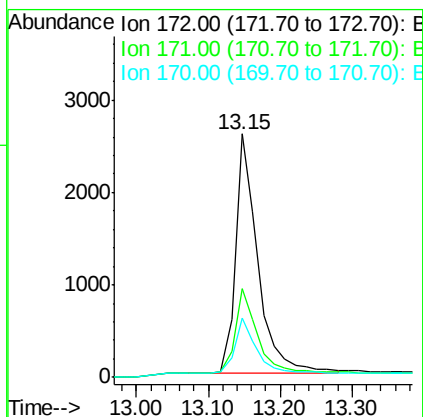
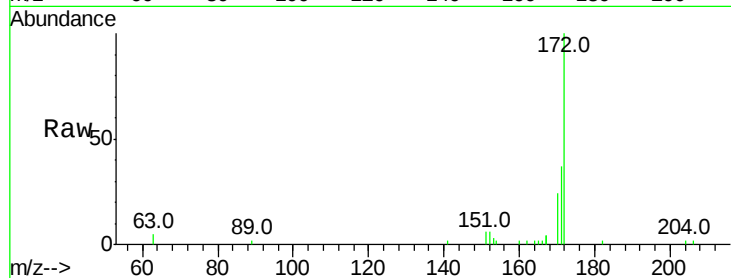




#15  
2-Fluorobiphenyl  
Concen: 0.398 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

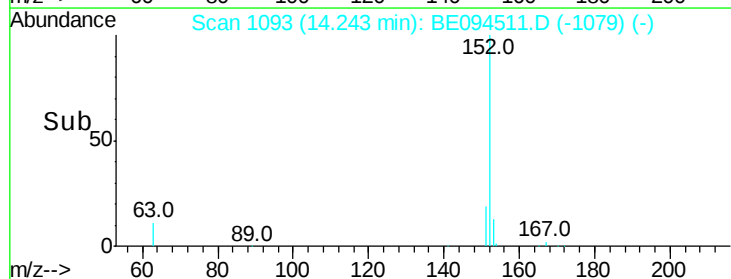
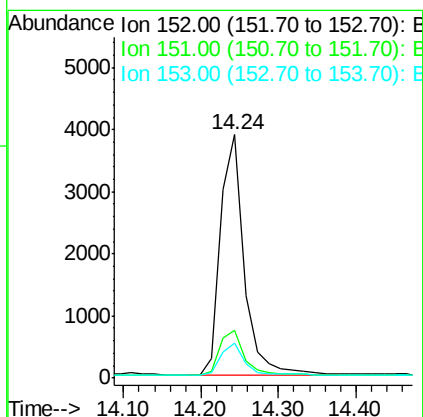
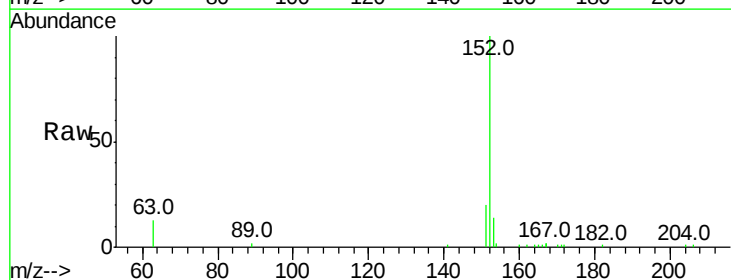
Instrument :  
BNA\_E  
ClientSampleId :

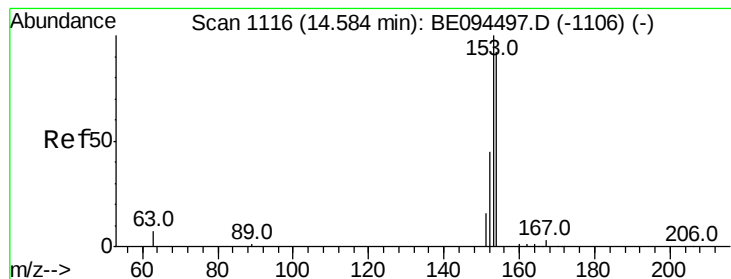
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.9  | 44.9  |
| 170     | 24.3  | 21.8  | 32.8  |



#16  
Acenaphthylene  
Concen: 0.390 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.7  | 23.5  |
| 153     | 13.1  | 10.5  | 15.7  |





#17

Acenaphthene

Concen: 0.397 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

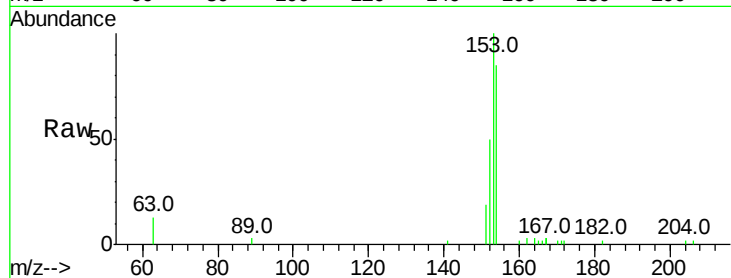
Tot Ion:154 Resp: 5348

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

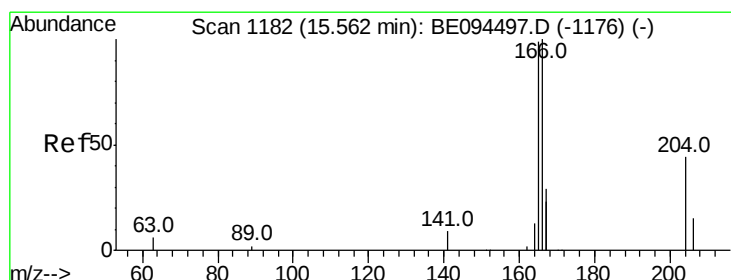
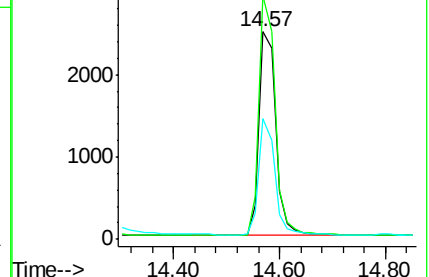
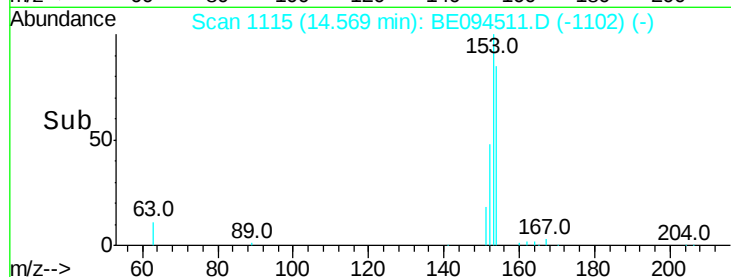
152 53.5 42.0 63.0



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: 0.399 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

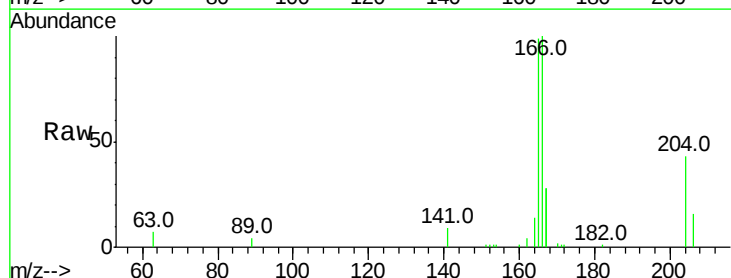
Tgt Ion:166 Resp: 6888

Ion Ratio Lower Upper

166 100

165 97.4 77.8 116.6

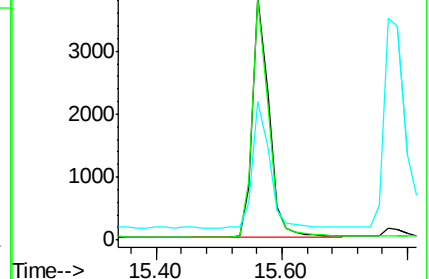
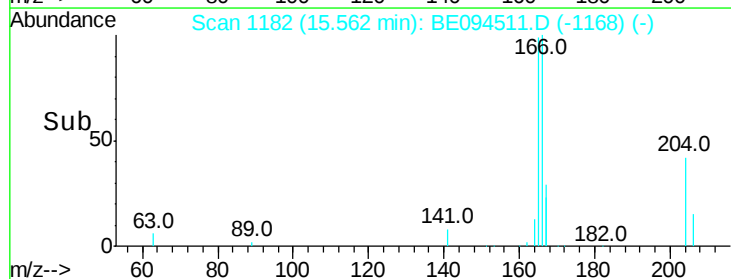
167 53.2 42.4 63.6

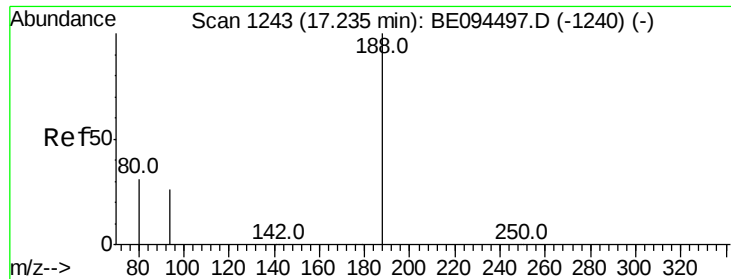


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

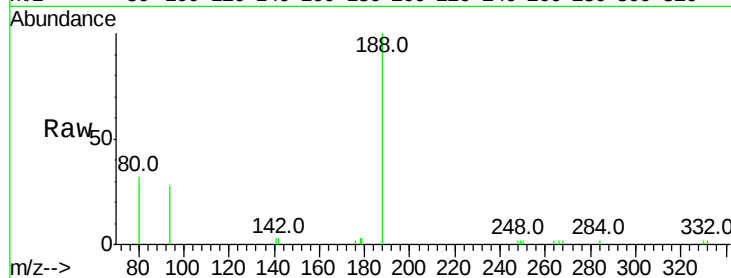
Tot Ion:188 Resp: 7438

Ion Ratio Lower Upper

188 100

94 28.4 3.9 5.9#

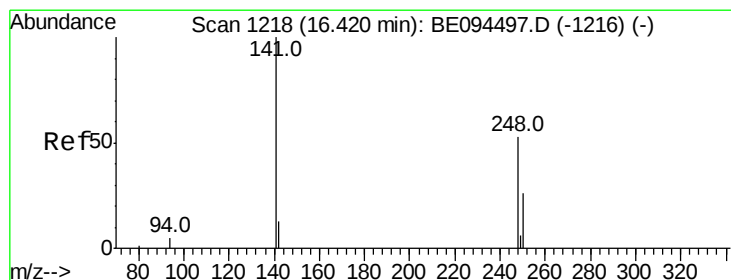
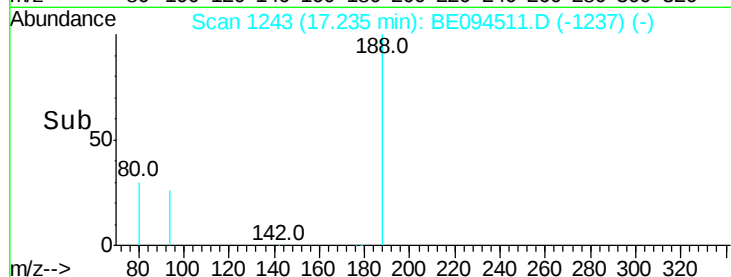
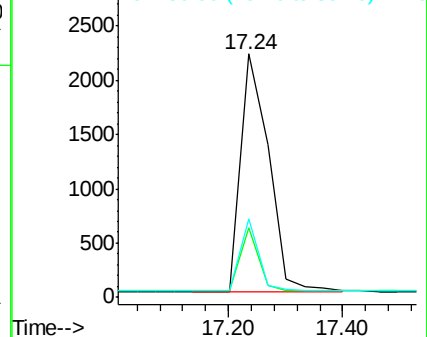
80 32.5 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): E

Ion 80.00 (79.70 to 80.70): E



#20

4-Bromophenyl-phenylether

Concen: 0.407 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

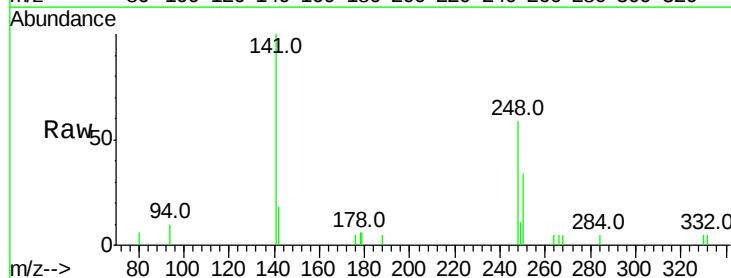
Tgt Ion:248 Resp: 1651

Ion Ratio Lower Upper

248 100

250 58.0 62.7 94.1#

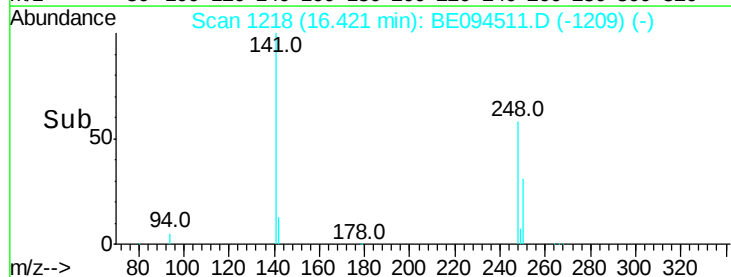
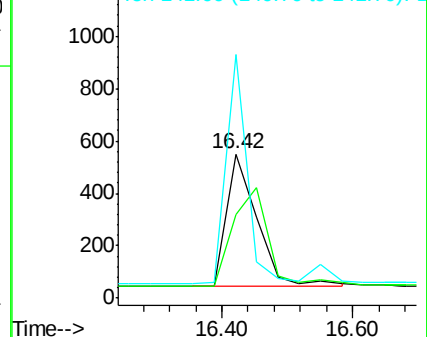
141 169.1 48.2 72.2#

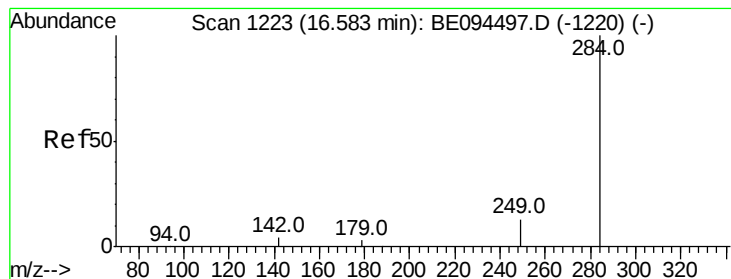


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.488 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

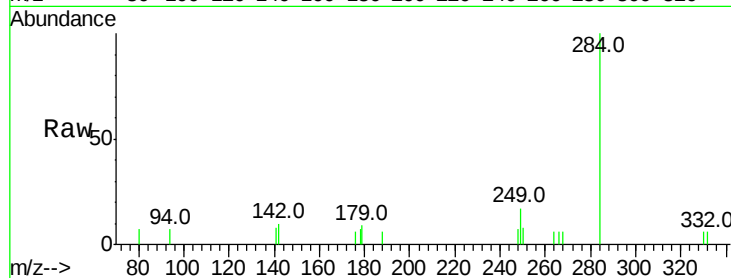
Tot Ion:284 Resp: 1735

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

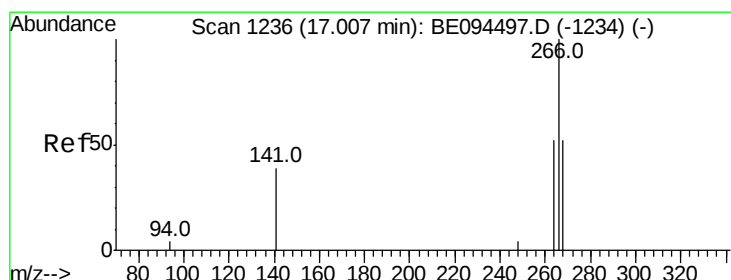
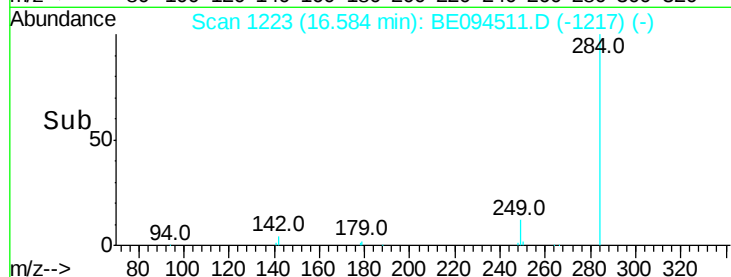
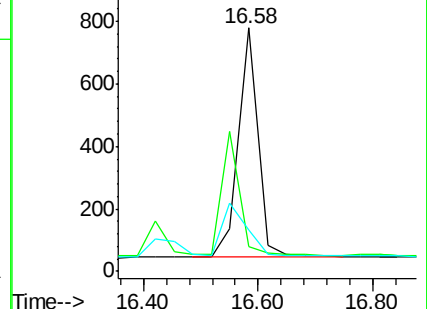
249 0.0 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.233 ng

RT: 17.01 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

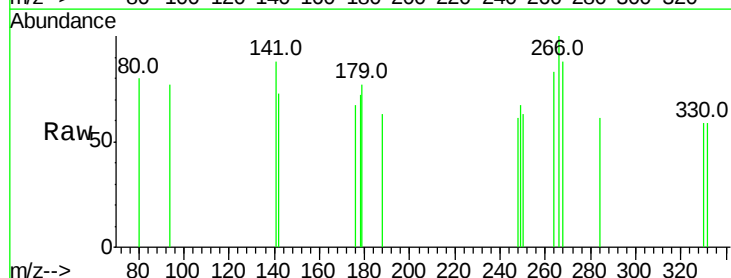
Tgt Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

264 82.7 72.5 108.7

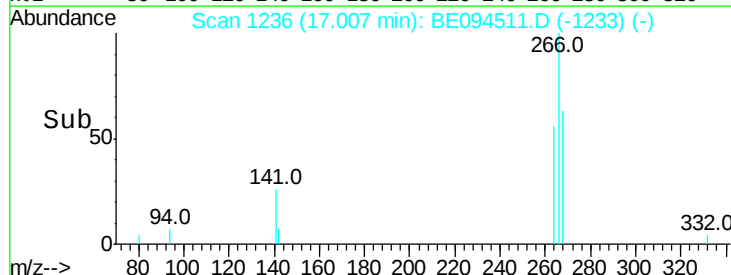
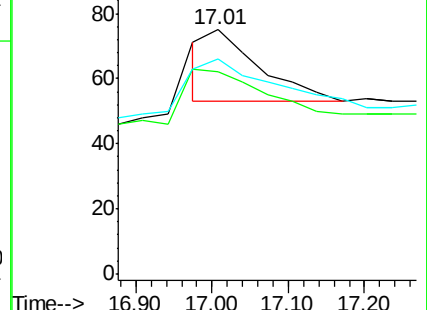
268 88.0 73.8 110.6

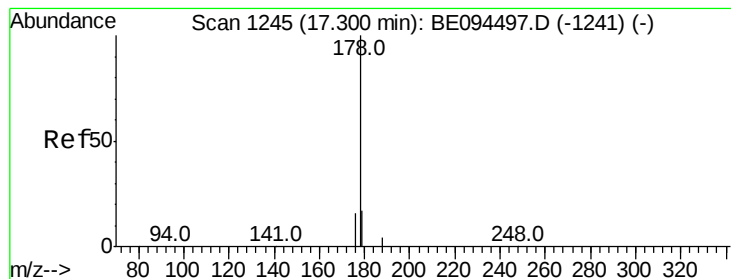


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.421 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

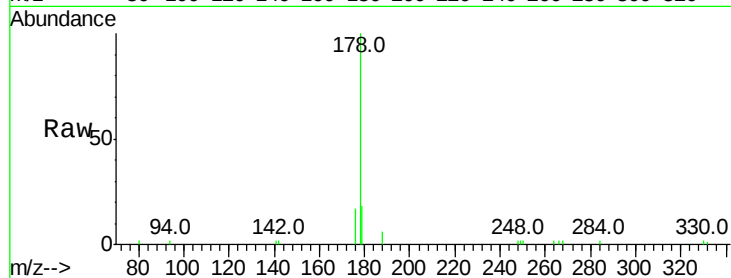
Tot Ion:178 Resp: 8271

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

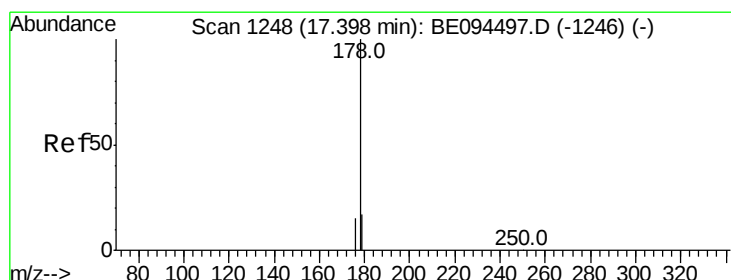
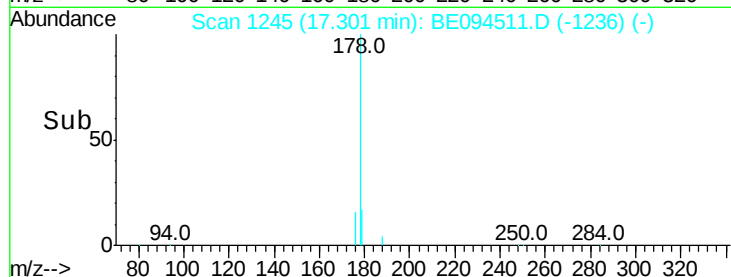
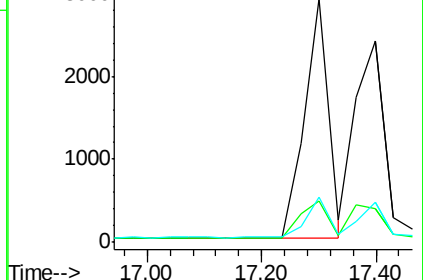
179 15.6 11.8 17.6



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: 0.378 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

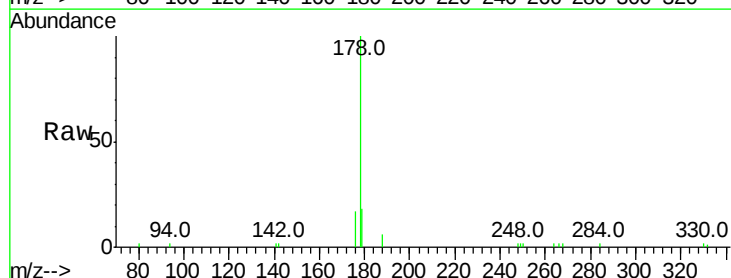
Tgt Ion:178 Resp: 8267

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

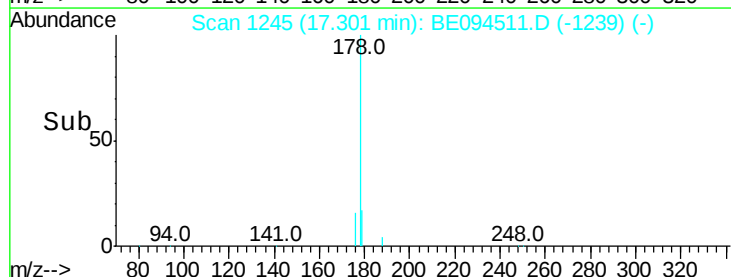
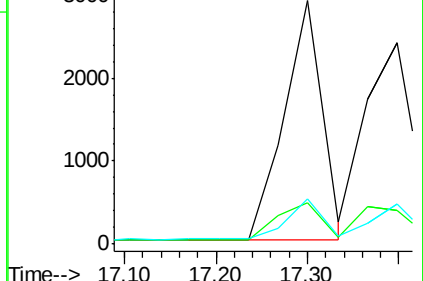
179 15.4 13.0 19.6

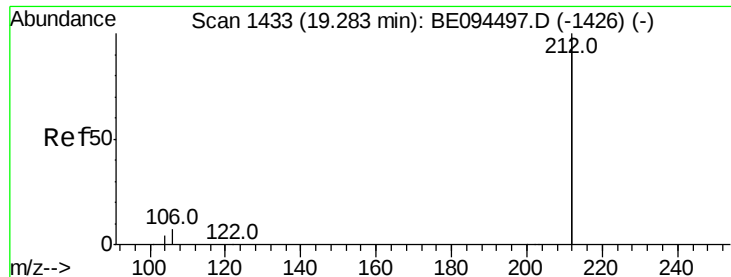


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

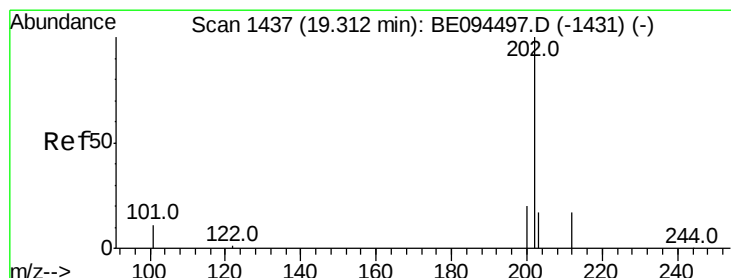
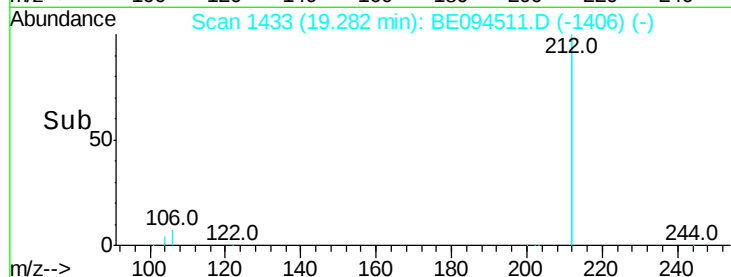
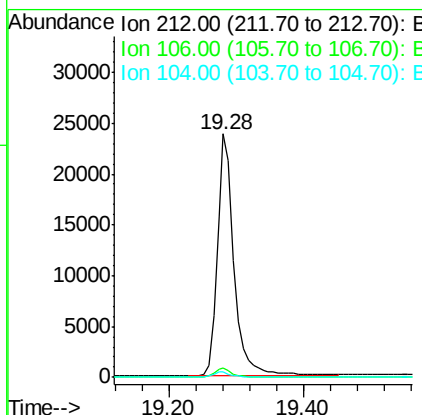
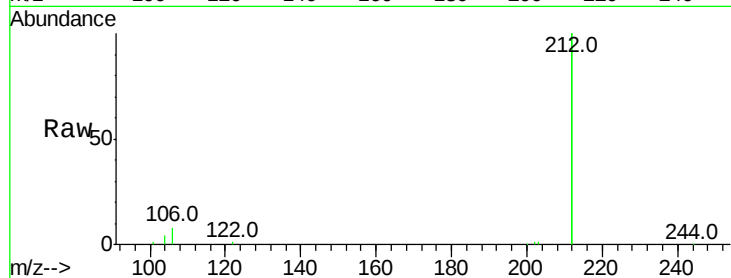




#25  
 Fluoranthene-d10  
 Concen: 0.460 ng  
 RT: 19.28 min Scan# 1433  
 Delta R.T. -0.00 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

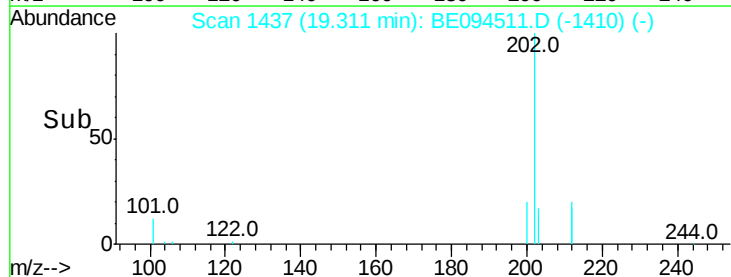
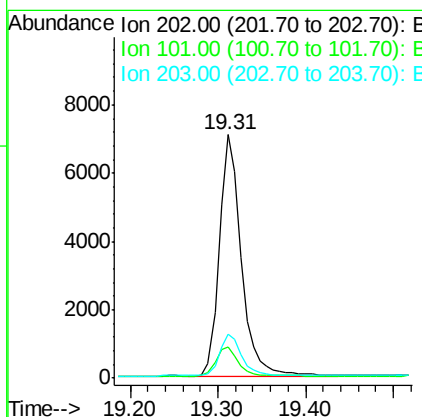
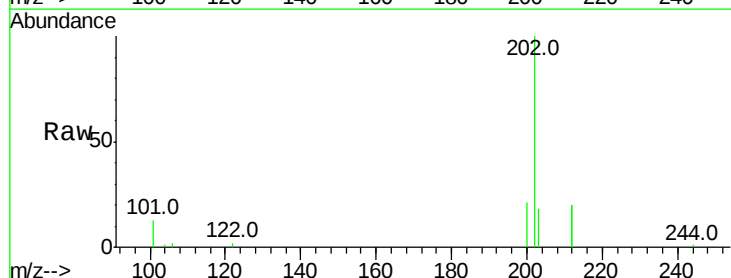
Instrument :  
 BNA\_E  
 ClientSampleId :

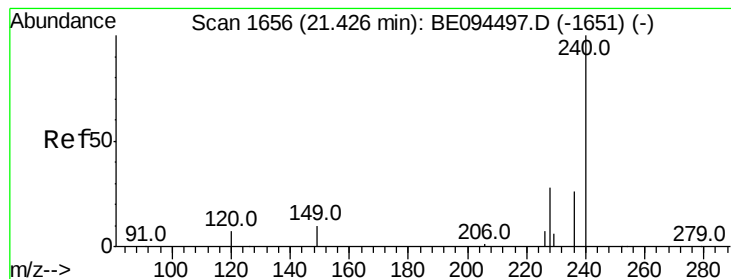
Tot Ion:212 Resp: 41037  
 Ion Ratio Lower Upper  
 212 100  
 106 3.6 2.8 4.2  
 104 2.0 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.454 ng  
 RT: 19.31 min Scan# 1437  
 Delta R.T. -0.00 min  
 Lab File: BE094511.D  
 Acq: 24 Oct 2017 9:59

Tgt Ion:202 Resp: 12356  
 Ion Ratio Lower Upper  
 202 100  
 101 12.5 9.8 14.8  
 203 17.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

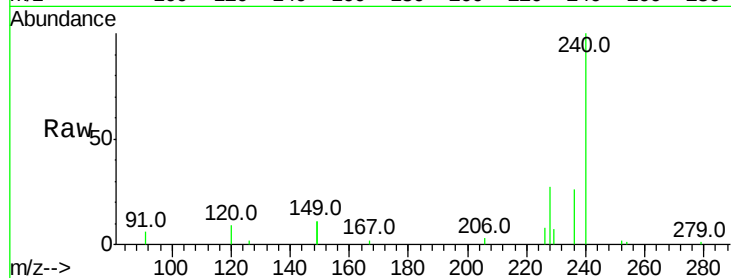
Tot Ion:240 Resp: 9350

Ion Ratio Lower Upper

240 100

120 9.4 5.5 8.3#

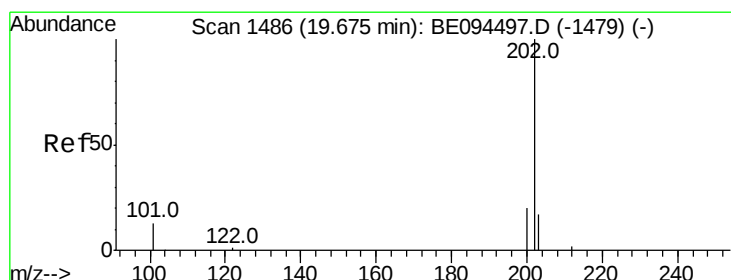
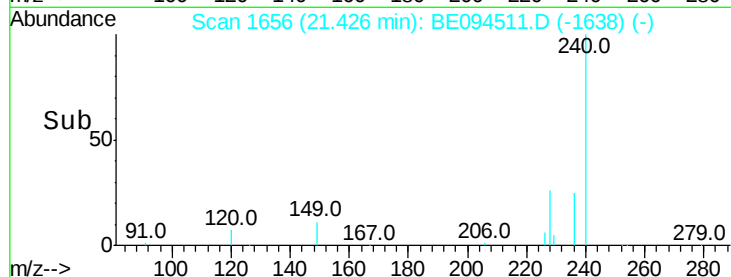
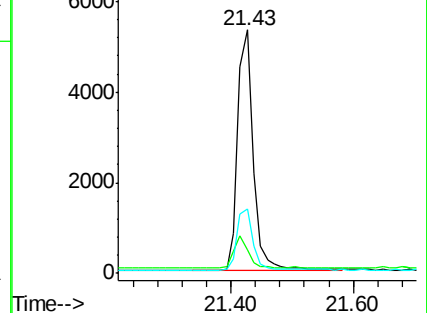
236 26.2 20.7 31.1



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: 0.396 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

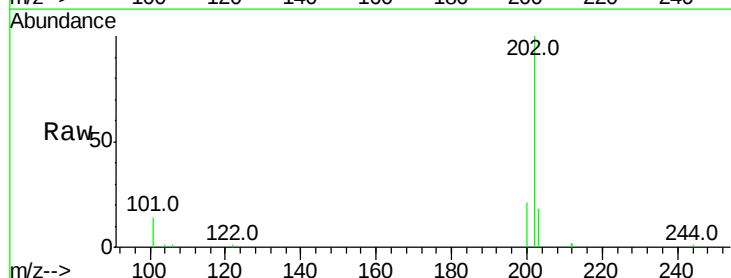
Tgt Ion:202 Resp: 12937

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

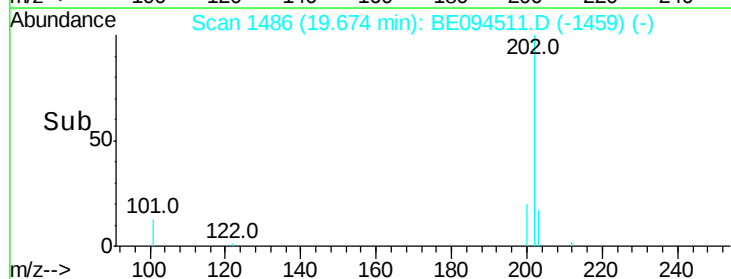
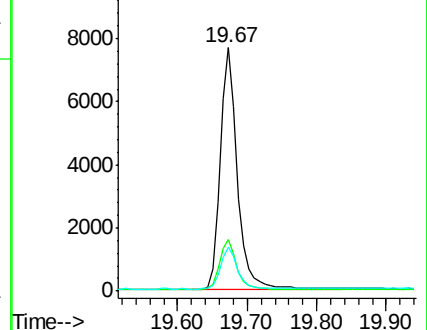
203 17.3 13.8 20.8

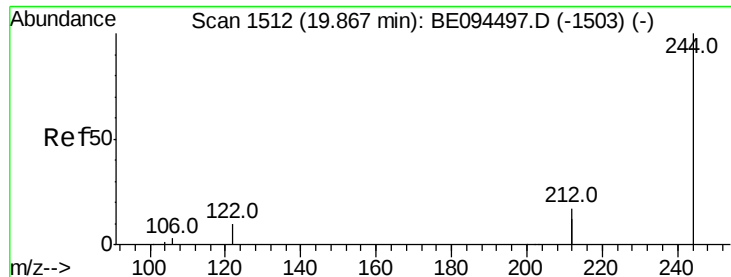


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.396 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

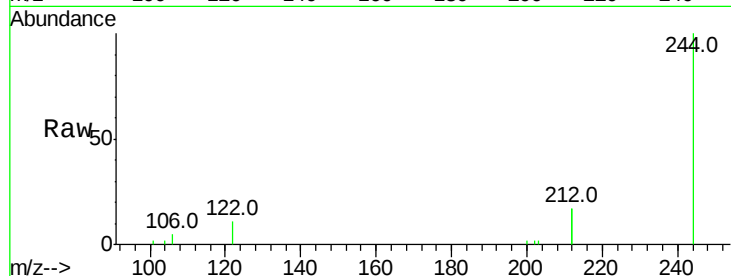
Tot Ion:244 Resp: 6975

Ion Ratio Lower Upper

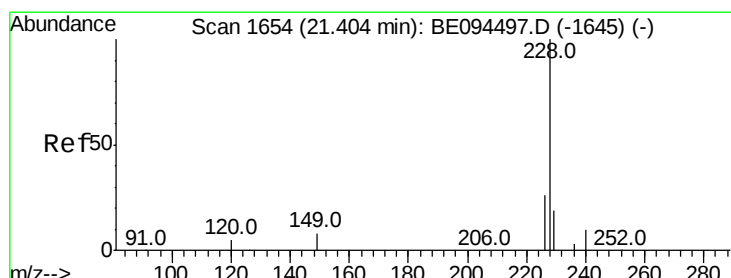
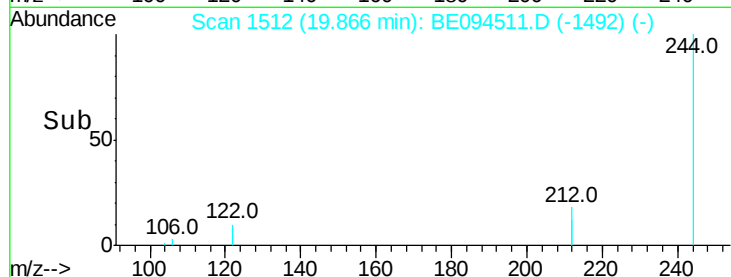
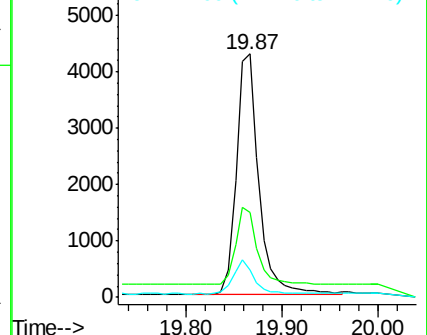
244 100

212 34.8 25.4 38.0

122 11.4 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: 0.409 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

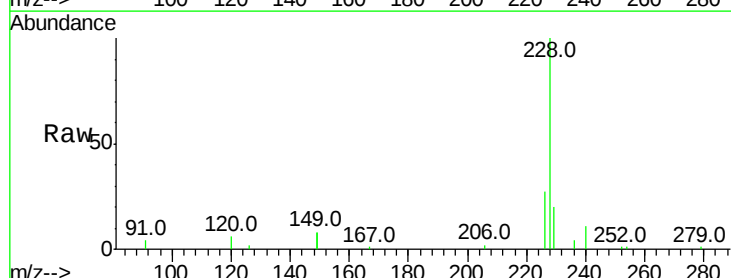
Tgt Ion:228 Resp: 12447

Ion Ratio Lower Upper

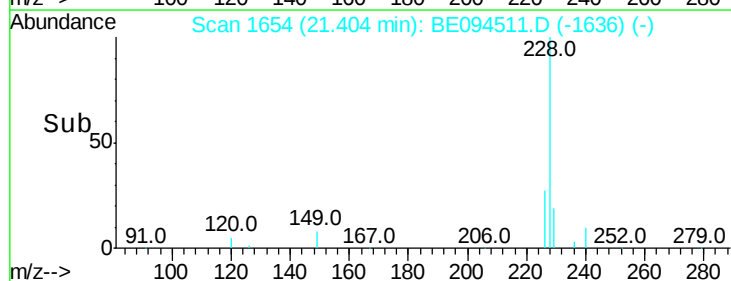
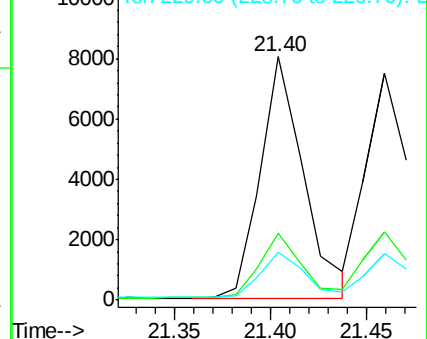
228 100

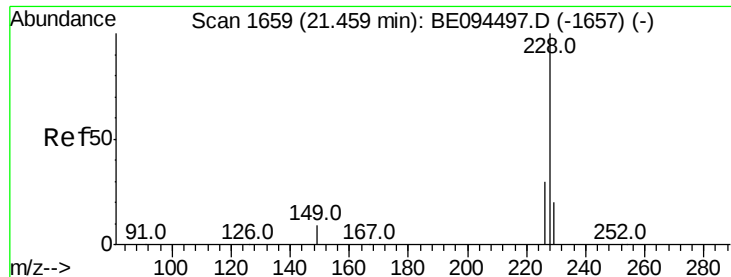
226 27.3 40.0 60.0#

229 19.8 40.0 60.0#



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: 0.392 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

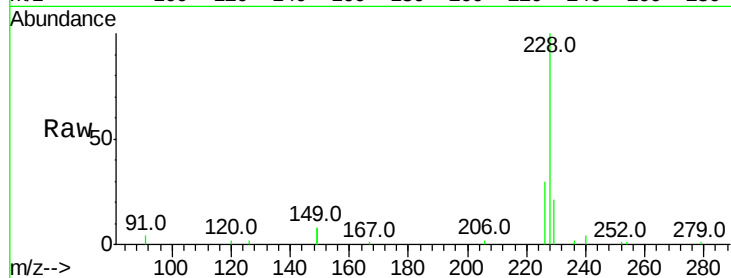
Tot Ion:228 Resp: 12124

Ion Ratio Lower Upper

228 100

226 29.9 40.0 60.0#

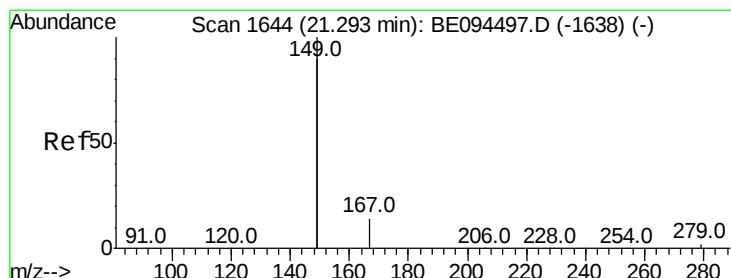
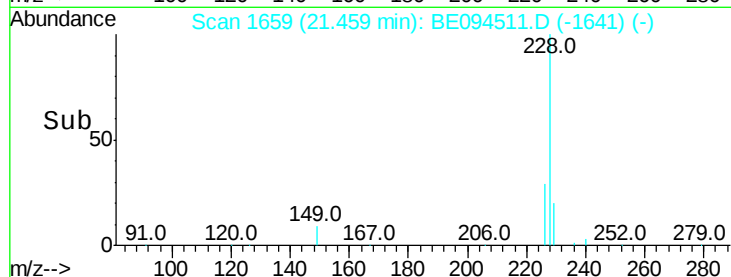
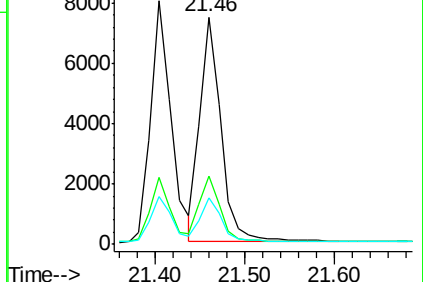
229 20.5 40.0 60.0#



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: 0.388 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

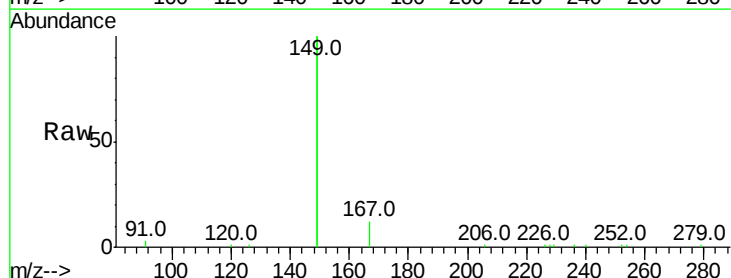
Tgt Ion:149 Resp: 28964

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

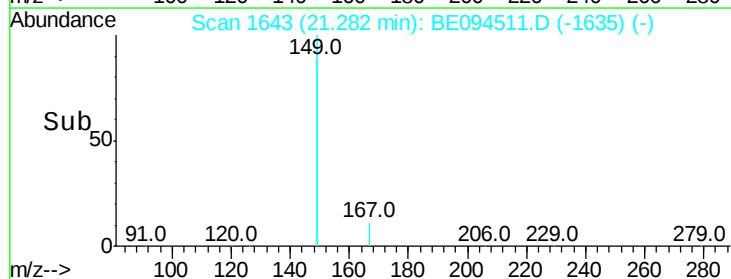
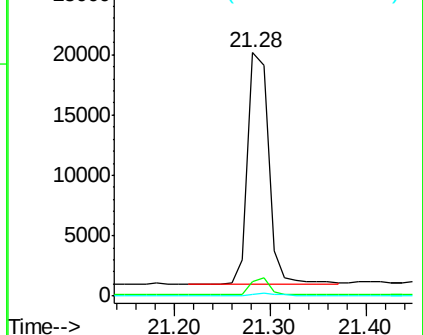
279 0.9 0.7 1.1

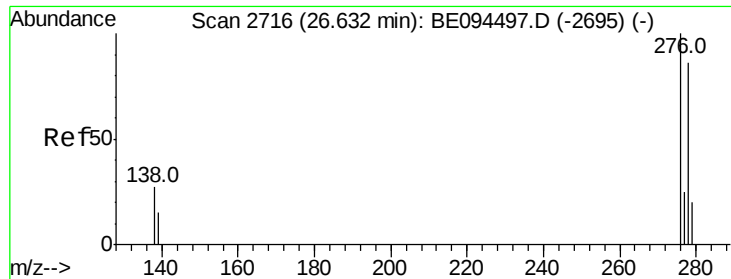


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.401 ng

RT: 26.64 min Scan# 2717

Delta R.T. 0.01 min

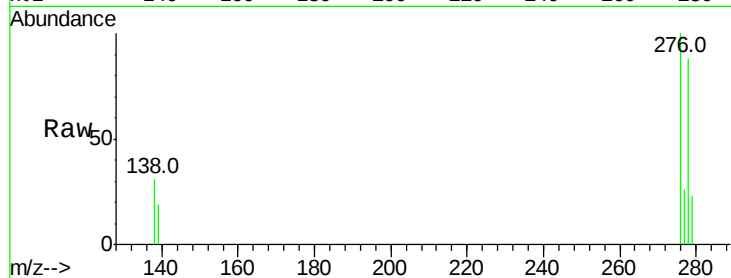
Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :



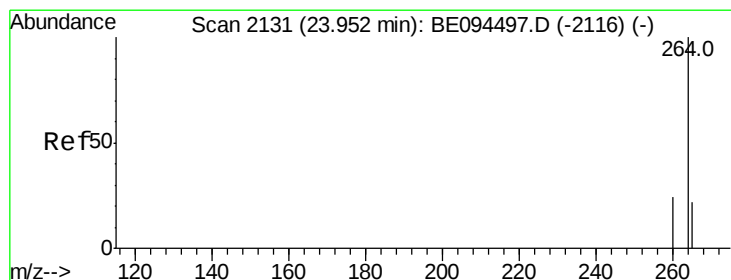
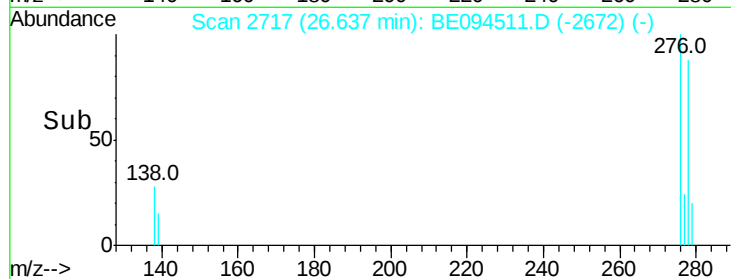
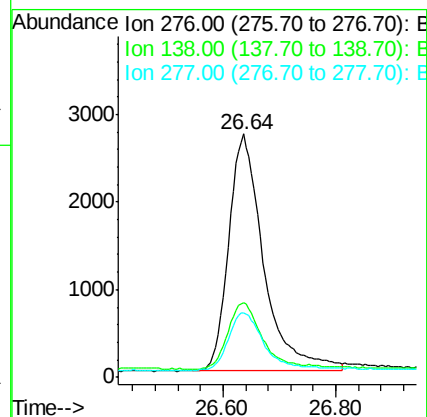
Tot Ion:276 Resp: 11453

Ion Ratio Lower Upper

276 100

138 26.9 22.5 33.7

277 24.3 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

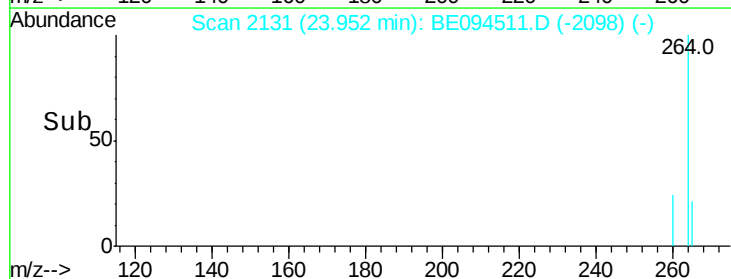
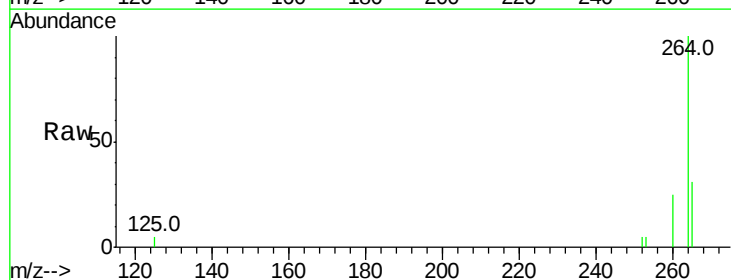
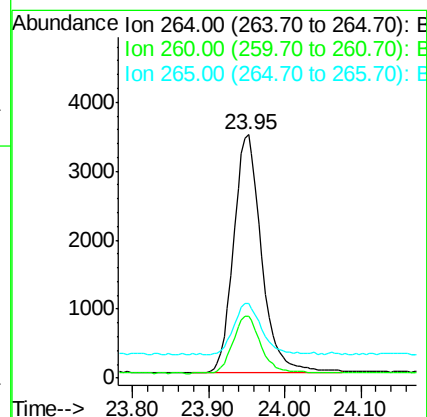
Tgt Ion:264 Resp: 8864

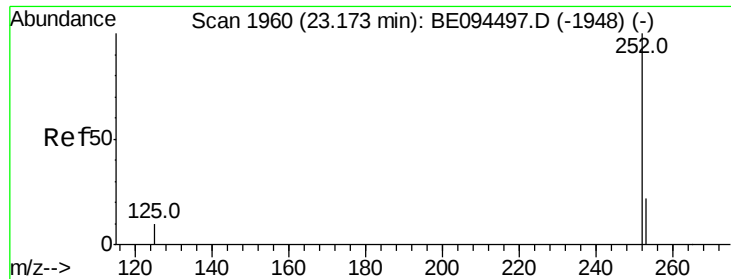
Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

265 30.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.402 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

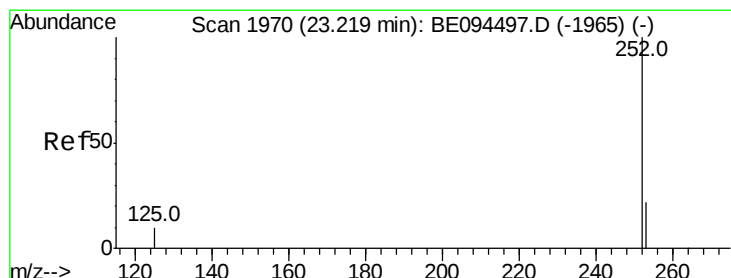
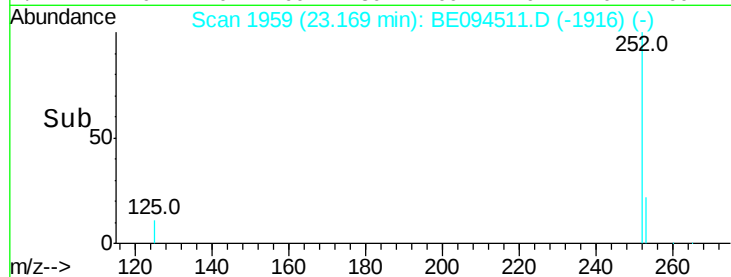
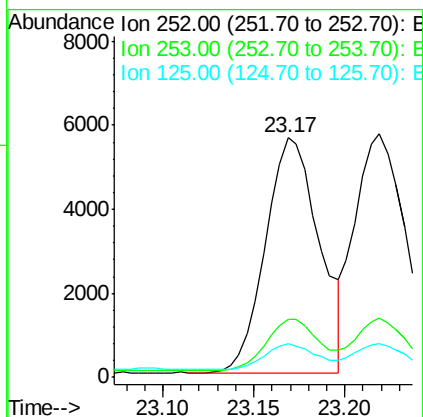
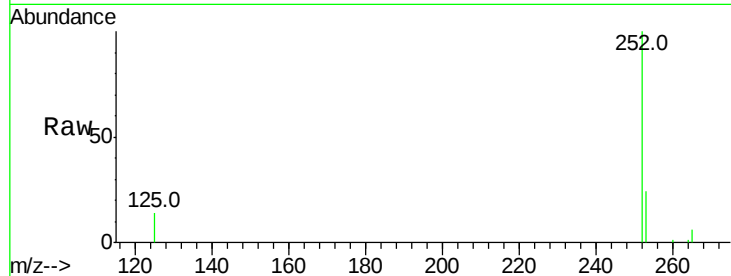
Tot Ion:252 Resp: 11521

Ion Ratio Lower Upper

252 100

253 24.0 48.0 72.0#

125 13.9 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.395 ng

RT: 23.22 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

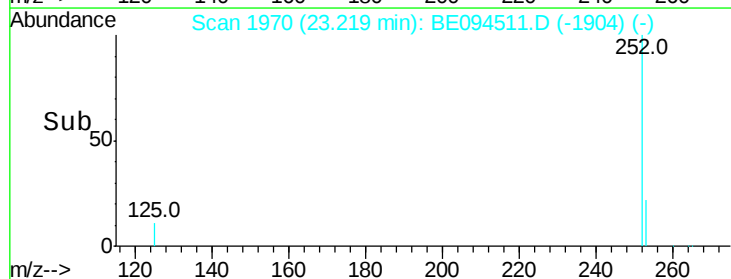
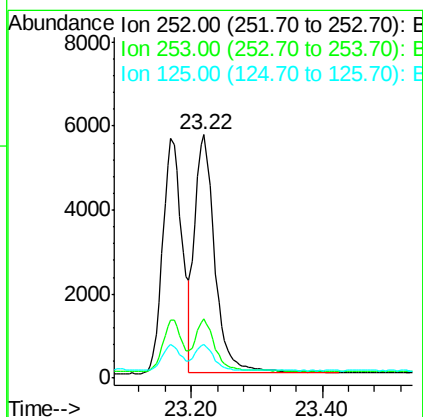
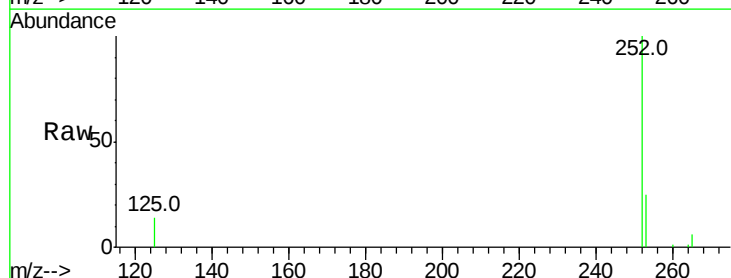
Tgt Ion:252 Resp: 12056

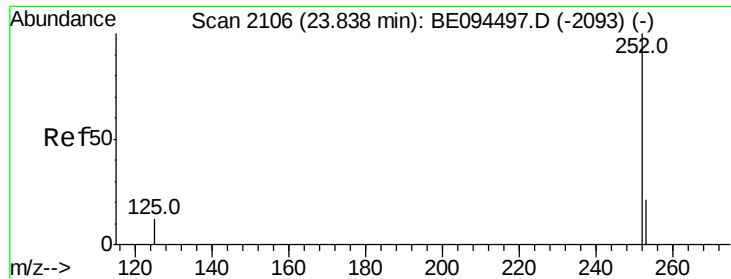
Ion Ratio Lower Upper

252 100

253 24.5 48.0 72.0#

125 13.7 56.0 84.0#

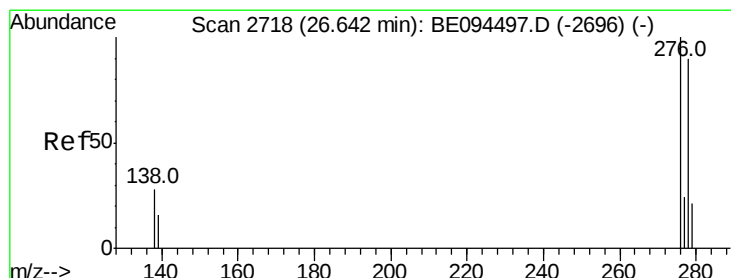
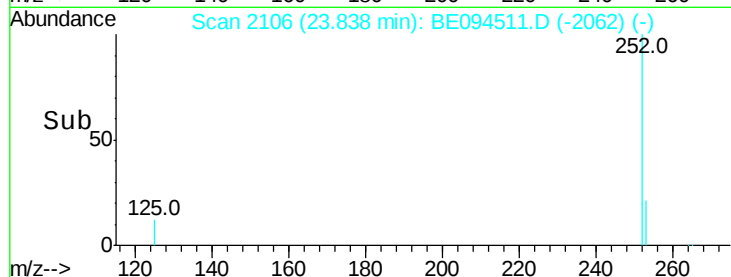
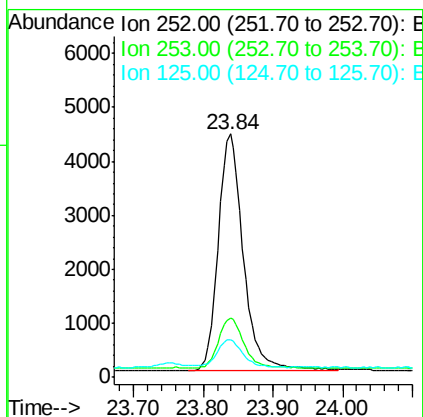
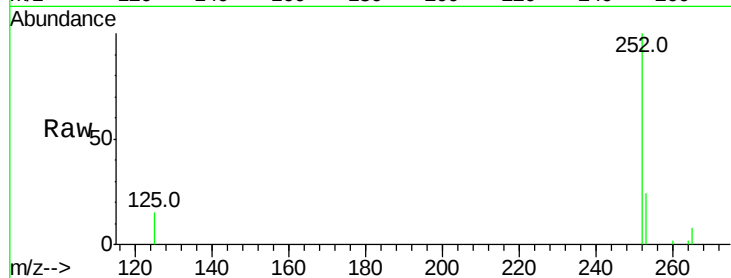




#37  
Benzo(a)pyrene  
Concen: 0.400 ng  
RT: 23.84 min Scan# 2106  
Delta R.T. 0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

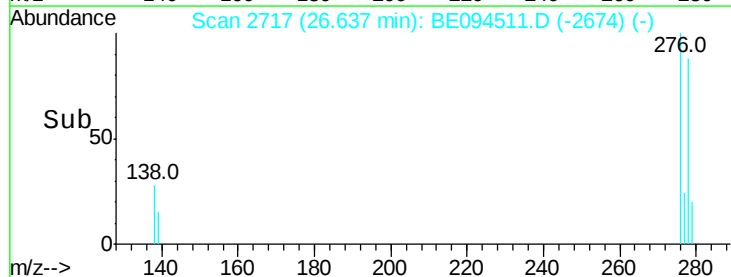
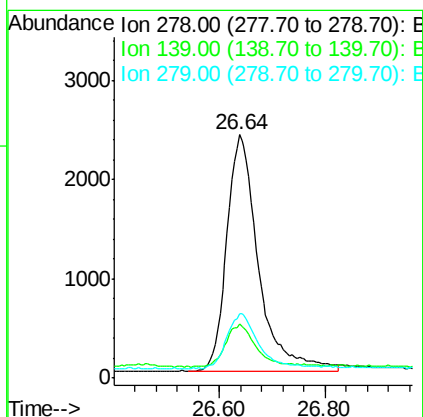
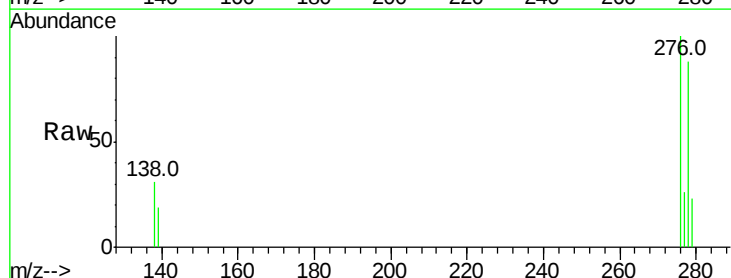
Instrument :  
BNA\_E  
ClientSampleId :

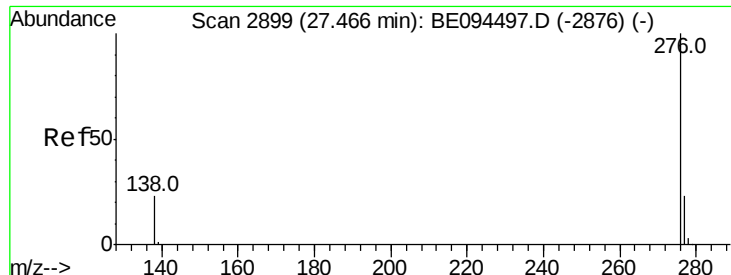
Tot Ion:252 Resp: 11118  
Ion Ratio Lower Upper  
252 100  
253 24.3 52.0 78.0#  
125 15.5 68.0 102.0#



#38  
Dibenzo(a,h)anthracene  
Concen: 0.399 ng  
RT: 26.64 min Scan# 2717  
Delta R.T. -0.00 min  
Lab File: BE094511.D  
Acq: 24 Oct 2017 9:59

Tgt Ion:278 Resp: 9975  
Ion Ratio Lower Upper  
278 100  
139 22.0 56.0 84.0#  
279 26.4 52.0 78.0#





#39

Benzo(a,h,i)perylene

Concen: 0.401 ng

RT: 27.47 min Scan# 2900

Delta R.T. 0.01 min

Lab File: BE094511.D

Acq: 24 Oct 2017 9:59

Instrument :

BNA\_E

ClientSampleId :

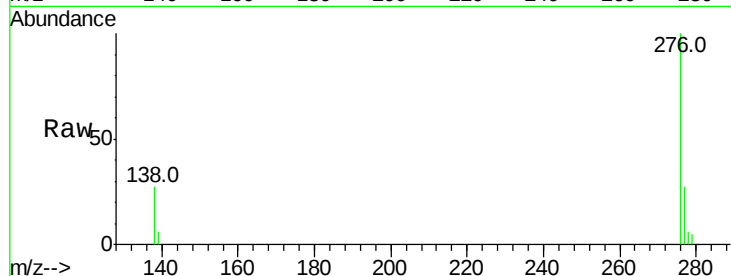
Tot Ion:276 Resp: 9368

Ion Ratio Lower Upper

276 100

277 26.6 52.0 78.0#

138 27.4 44.0 66.0#



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

