

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\  
 Data File : BE094119.D  
 Acq On : 26 Sep 2017 1:30  
 Operator : SJ/JU  
 Sample : I5340-03DL 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 26 03:54:50 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 17:37:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 406      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 1915     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 1168     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 4516     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 3482     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.91 | 264  | 3242     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.50  | 112 | 662   | 0.43 | ng | 0.00 |
| 5) Phenol-d6                | 7.09  | 99  | 811   | 0.38 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 780   | 0.42 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 1036  | 0.35 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 174   | 0.24 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 1390  | 0.36 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.27 | 212 | 11455 | 0.26 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 1685  | 0.27 | ng | 0.00 |

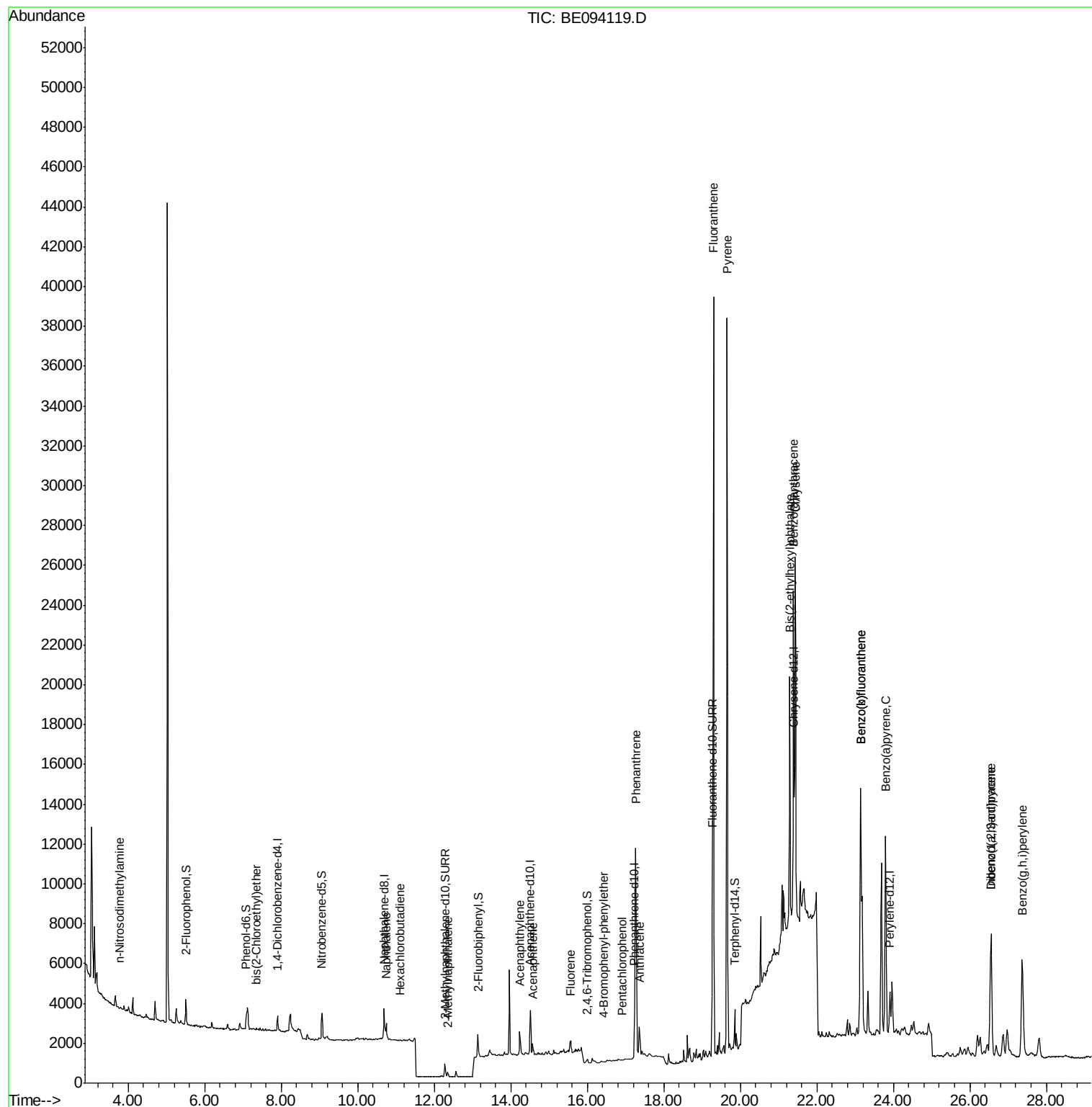
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 3) n-Nitrosodimethylamine      | 3.78  | 42  | 25    | 0.025  | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93  | 91    | 0.055  | ng | # 1  |
| 9) Naphthalene                 | 10.74 | 128 | 1406  | 0.065  | ng | # 85 |
| 10) Hexachlorobutadiene        | 11.11 | 225 | 7     | 0.009  | ng | # 17 |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 180   | 0.051  | ng | # 73 |
| 16) Acenaphthylene             | 14.23 | 152 | 1676  | 0.286  | ng | 98   |
| 17) Acenaphthene               | 14.57 | 154 | 286   | 0.078  | ng | 94   |
| 18) Fluorene                   | 15.56 | 166 | 605   | 0.122  | ng | 92   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 6     | 0.003  | ng | # 14 |
| 22) Pentachlorophenol          | 16.91 | 266 | 10    | 0.009  | ng | 91   |
| 23) Phenanthrene               | 17.27 | 178 | 15949 | 1.380  | ng | 97   |
| 24) Anthracene                 | 17.37 | 178 | 2695  | 0.222  | ng | # 92 |
| 26) Fluoranthene               | 19.30 | 202 | 35402 | 2.734  | ng | 99   |
| 28) Pyrene                     | 19.66 | 202 | 35636 | 3.230  | ng | # 96 |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 16461 | 1.404  | ng | 94   |
| 31) Chrysene                   | 21.44 | 228 | 19534 | 1.726  | ng | 95   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 16089 | 0.315  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 10909 | 0.901  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 23269 | 1.989  | ng | # 90 |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 23269 | 2.078  | ng | # 92 |
| 37) Benzo(a)pyrene             | 23.80 | 252 | 16080 | 1.521  | ng | # 91 |
| 38) Dibenzo(a,h)anthracene     | 26.55 | 278 | 3005  | 0.300  | ng | # 51 |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 11587 | 1.169  | ng | 94   |

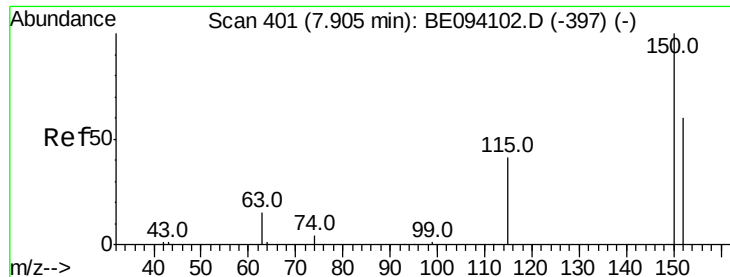
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_E  
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Quant Time: Sep 26 03:54:50 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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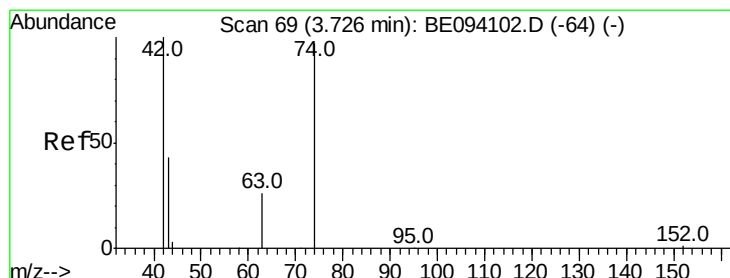
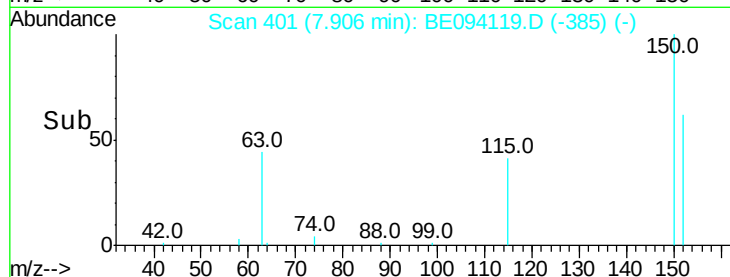
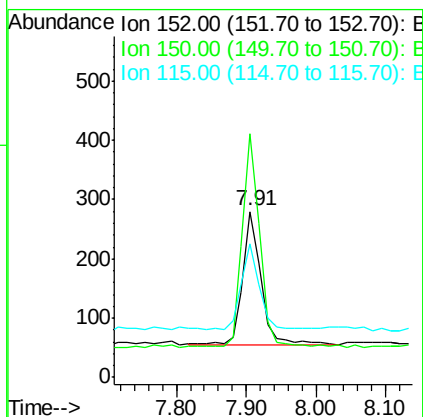
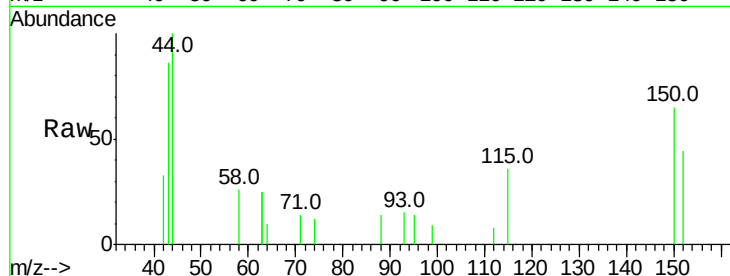


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Instrument :  
BNA\_E  
ClientSampled :

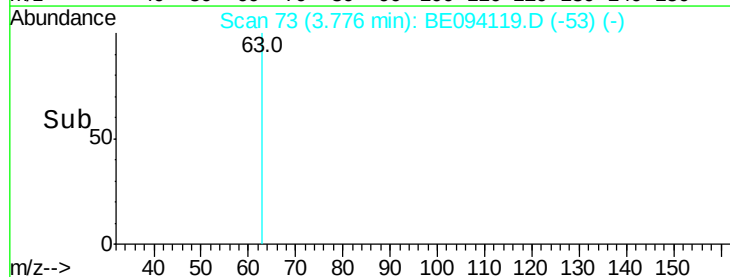
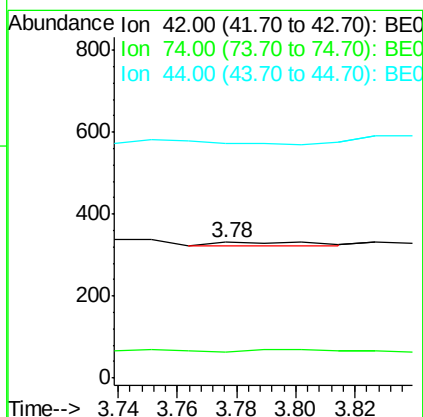
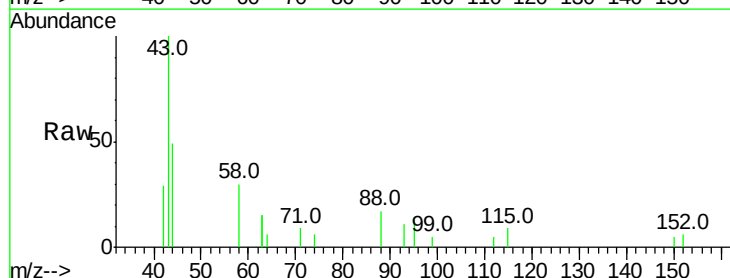
Tot Ion:152 Resp: 406  
Ion Ratio Lower Upper  
152 100  
150 146.8 117.2 175.8  
115 80.4 57.0 85.6

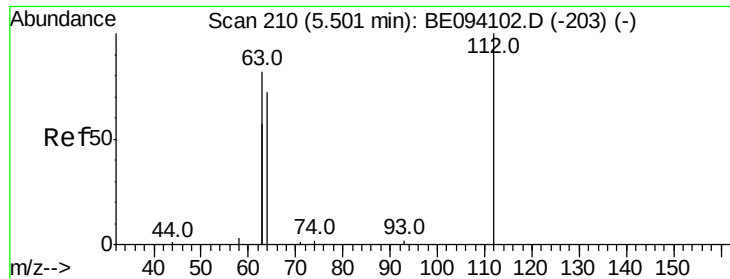


#3

n-Nitrosodimethylamine  
Concen: 0.025 ng  
RT: 3.78 min Scan# 73  
Delta R.T. 0.05 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Tgt Ion: 42 Resp: 25  
Ion Ratio Lower Upper  
42 100  
74 0.0 100.3 150.5#  
44 0.0 17.0 25.4#





#4

2-Fluorophenol

Concen: 0.430 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampled :

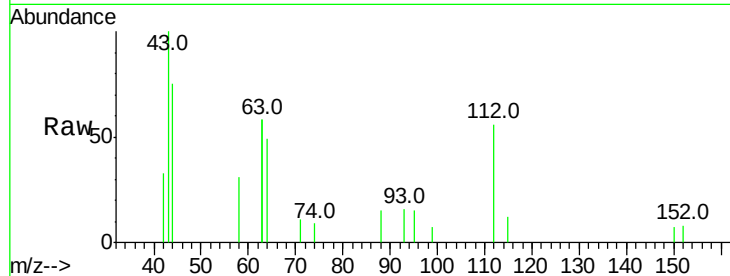
Tot Ion: 112 Resp: 662

Ion Ratio Lower Upper

112 100

64 74.9 60.1 90.1

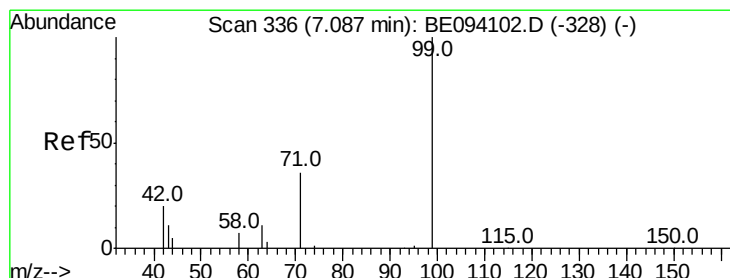
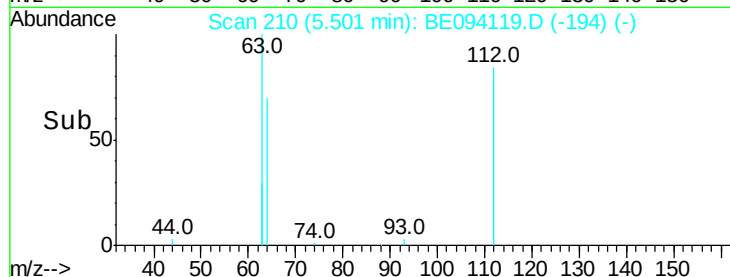
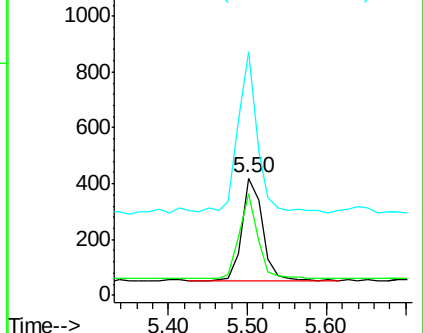
63 148.6 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.379 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

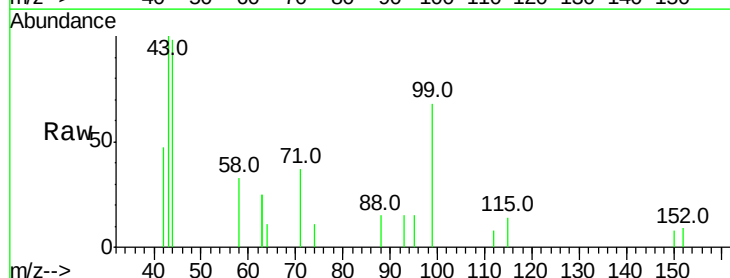
Tgt Ion: 99 Resp: 811

Ion Ratio Lower Upper

99 100

42 28.0 20.2 30.2

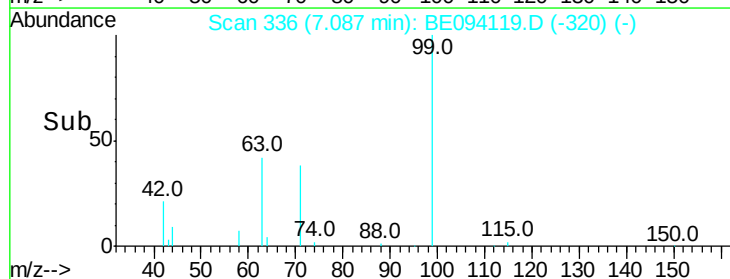
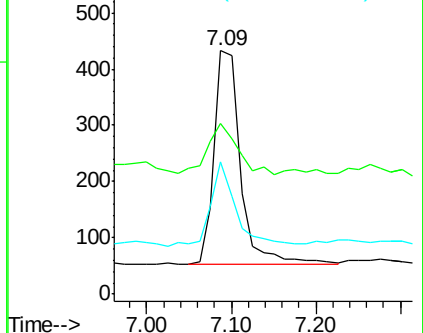
71 37.5 28.4 42.6

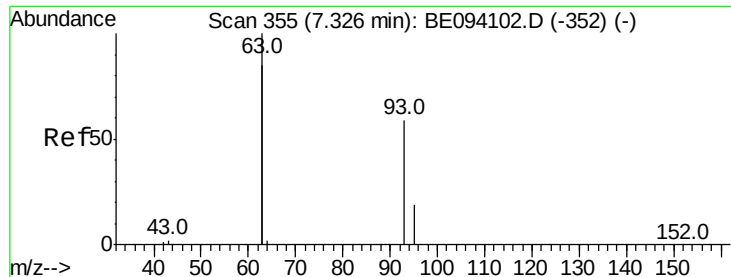


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.055 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

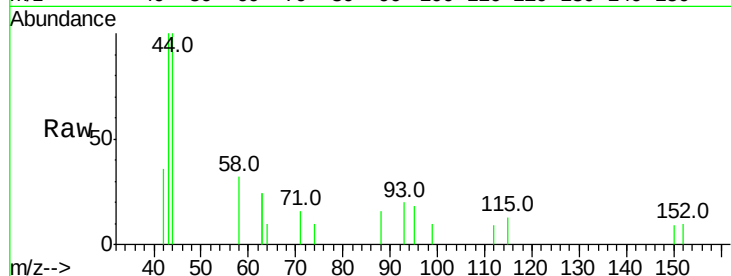
Tot Ion: 93 Resp: 91

Ion Ratio Lower Upper

93 100

63 15.4 275.3 412.9#

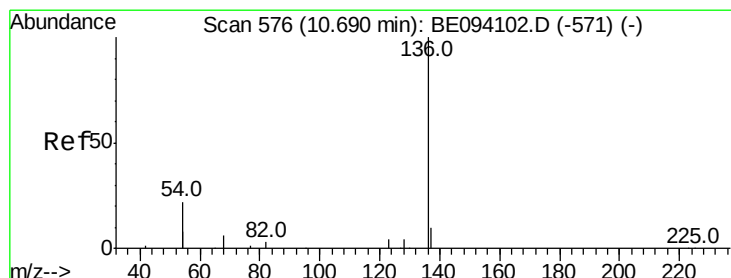
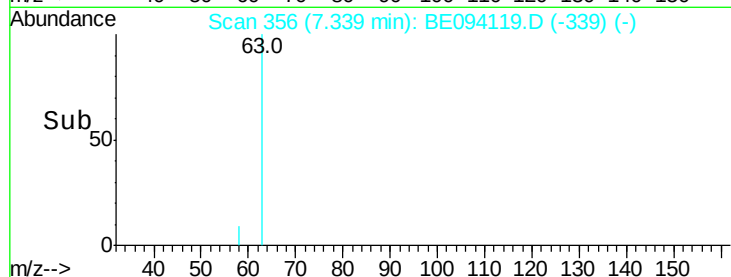
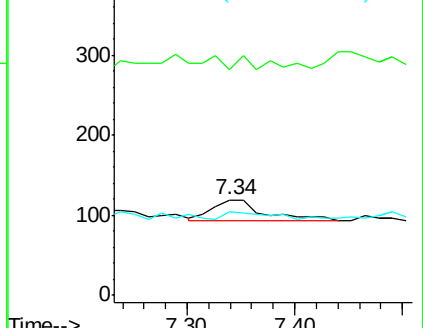
95 35.2 25.2 37.8



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: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion: 136 Resp: 1915

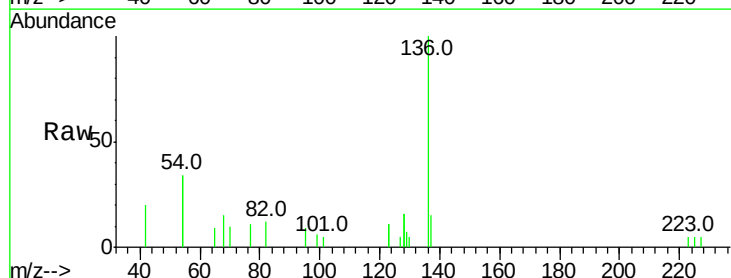
Ion Ratio Lower Upper

136 100

137 15.2 9.5 14.3#

54 68.4 29.1 43.7#

68 15.1 6.2 9.2#

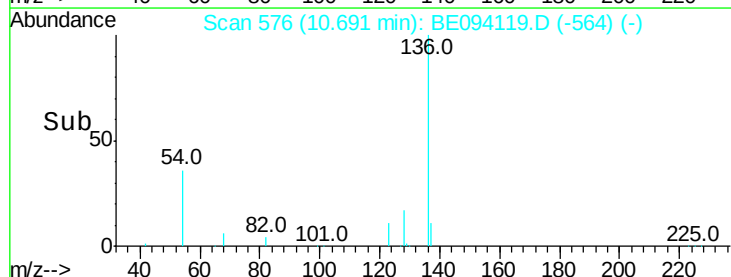
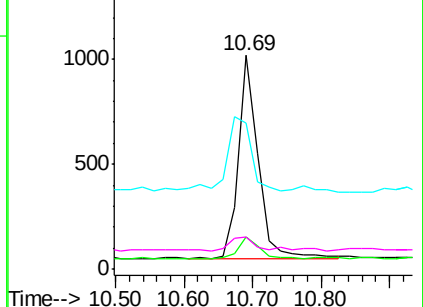


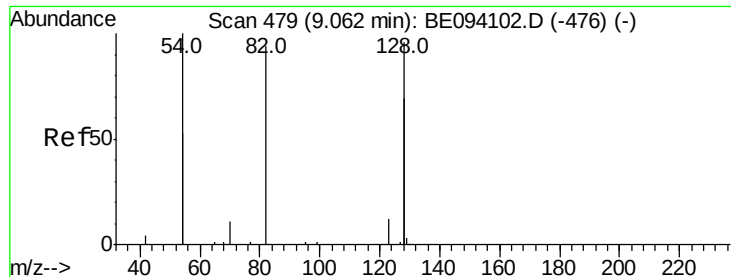
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.421 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

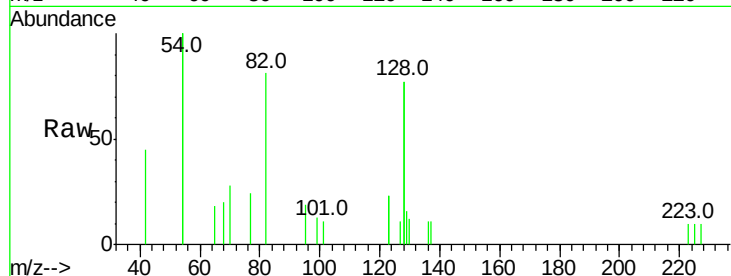
Tot Ion: 82 Resp: 780

Ion Ratio Lower Upper

82 100

128 189.9 150.0 225.0

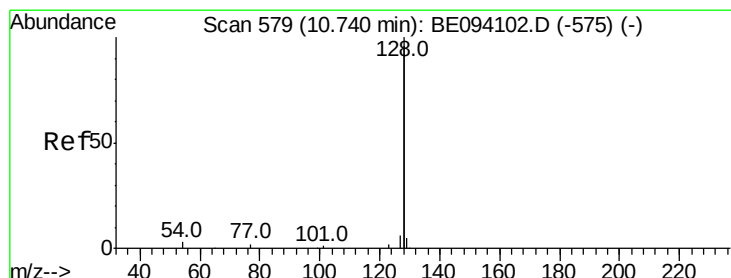
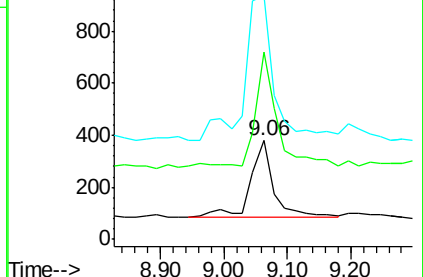
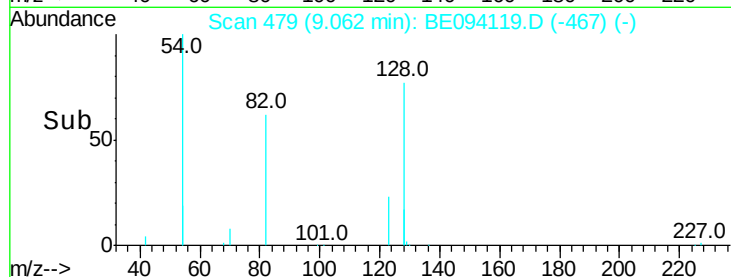
54 247.6 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094119.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094119.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094119.D (-467) (-)



#9

Naphthalene

Concen: 0.065 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

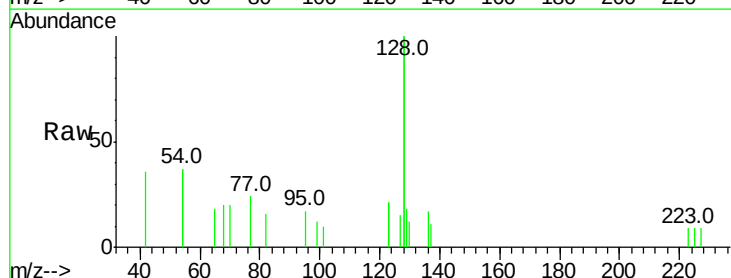
Tgt Ion: 128 Resp: 1406

Ion Ratio Lower Upper

128 100

129 8.8 2.6 3.8#

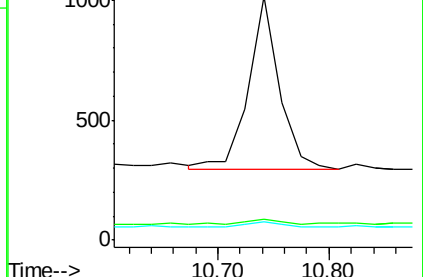
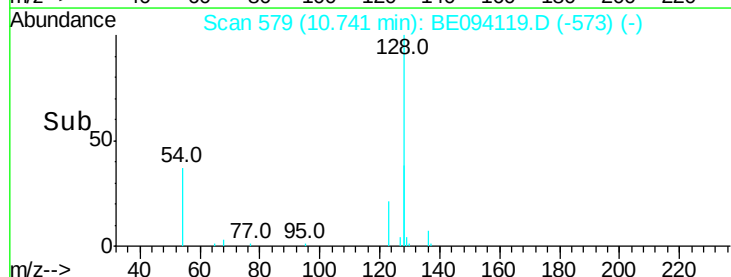
127 7.6 2.8 4.2#

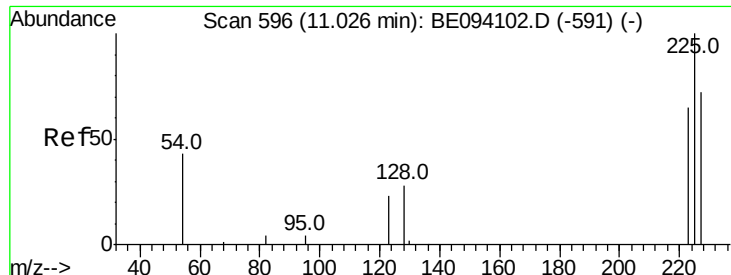


Abundance Ion 128.00 (127.70 to 128.70): BE094119.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE094119.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE094119.D (-573) (-)

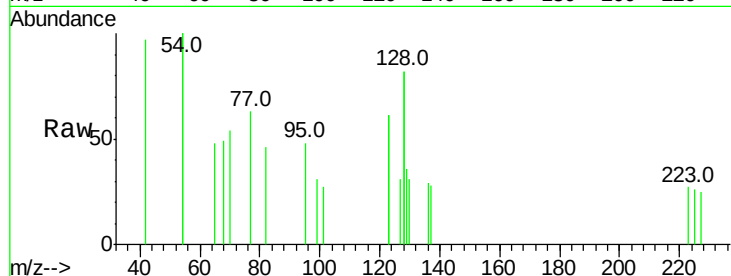




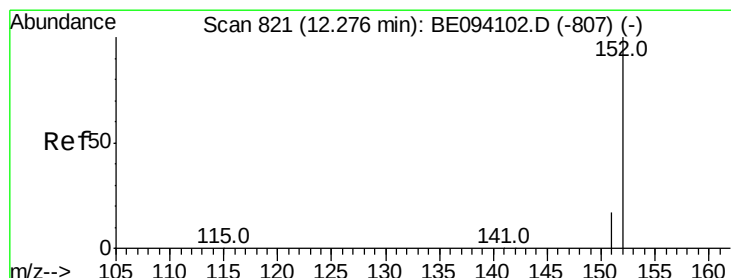
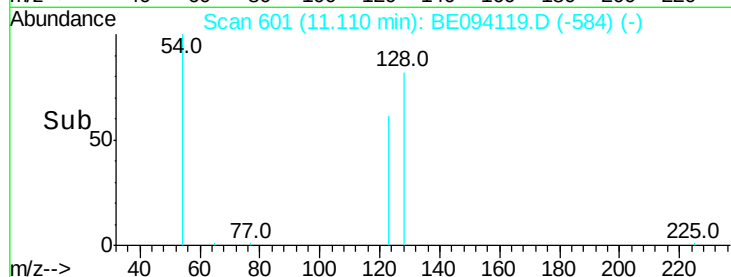
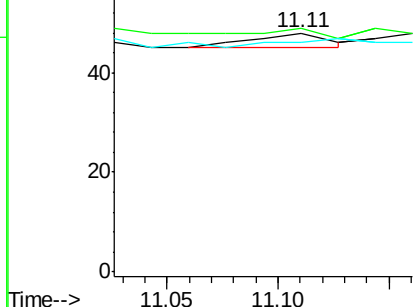
#10  
Hexachlorobutadiene  
Concen: 0.009 ng  
RT: 11.11 min Scan# 601  
Delta R.T. 0.08 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion: 225 Resp: 7  
Ion Ratio Lower Upper  
225 100  
223 0.0 53.0 79.6#  
227 0.0 51.4 77.2#

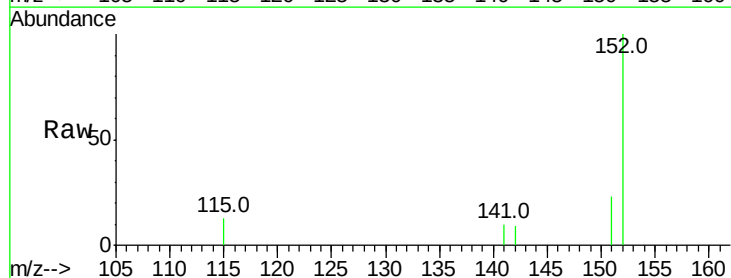


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

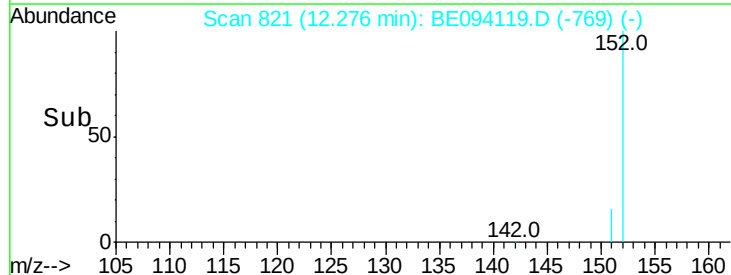
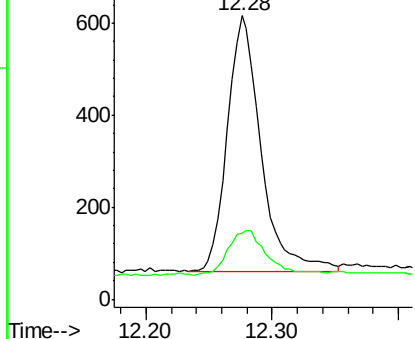


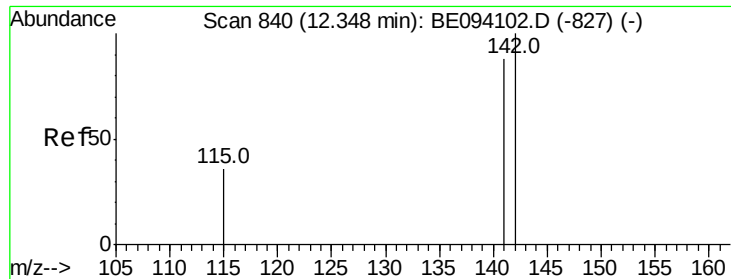
#11  
2-Methylnaphthalene-d10  
Concen: 0.351 ng  
RT: 12.28 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Tgt Ion: 152 Resp: 1036  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E

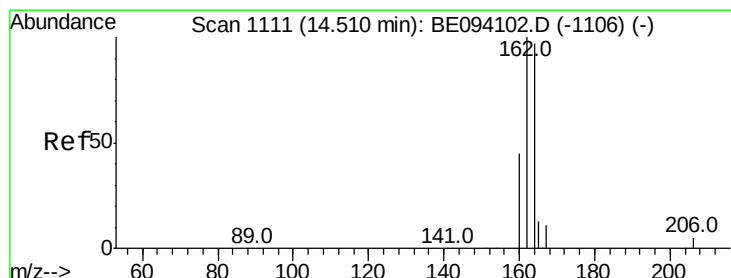
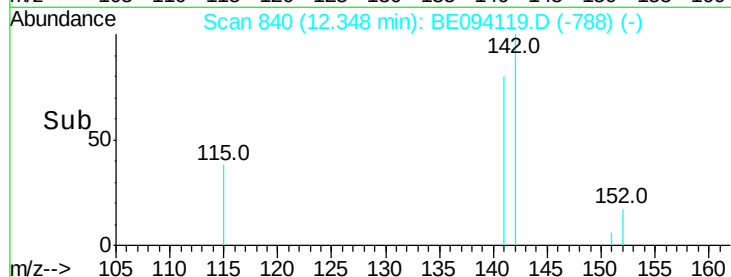
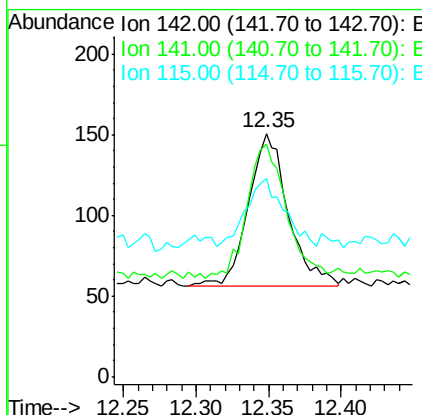
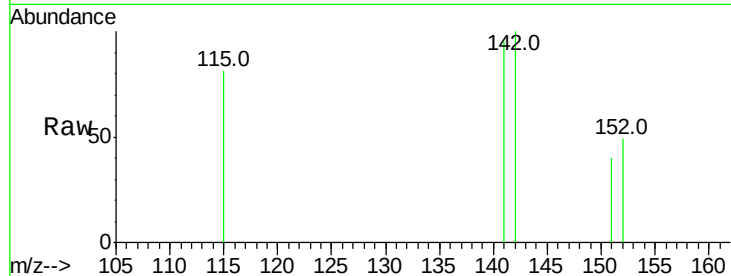




#12  
2-Methylnaphthalene  
Concen: 0.051 ng  
RT: 12.35 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

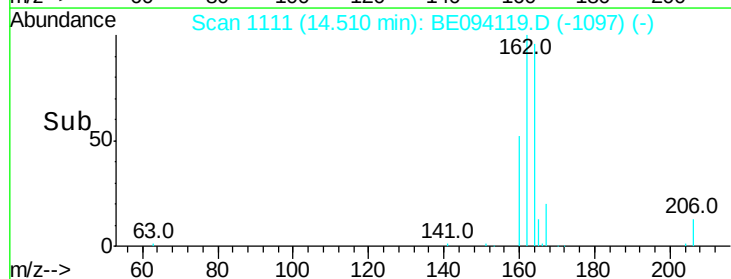
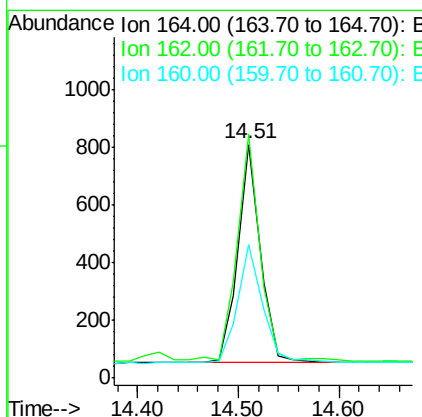
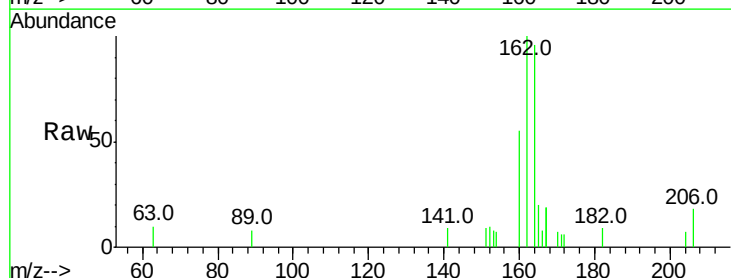
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:142 Resp: 180  
Ion Ratio Lower Upper  
142 100  
141 95.4 70.4 105.6  
115 81.5 31.7 47.5#

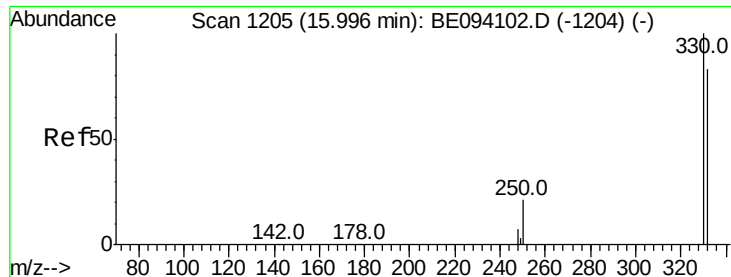


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Tgt Ion:164 Resp: 1168  
Ion Ratio Lower Upper  
164 100  
162 104.2 83.1 124.7  
160 57.0 37.1 55.7#



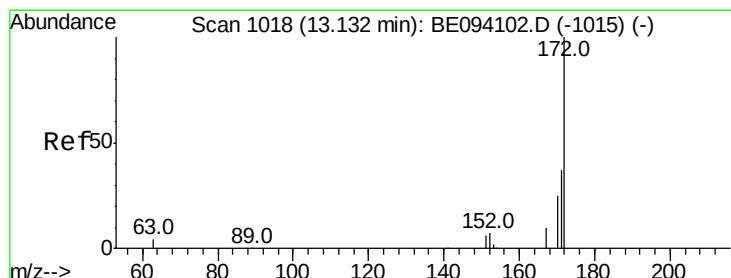
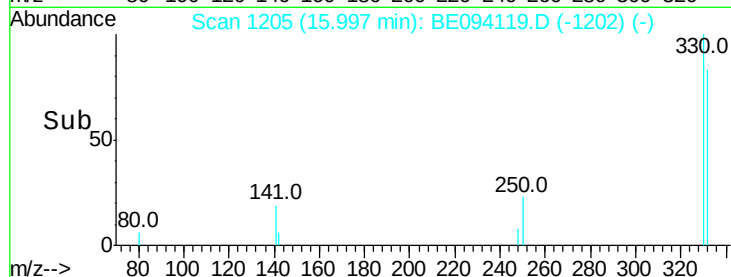
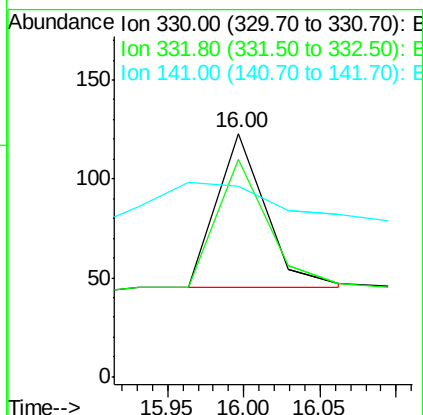
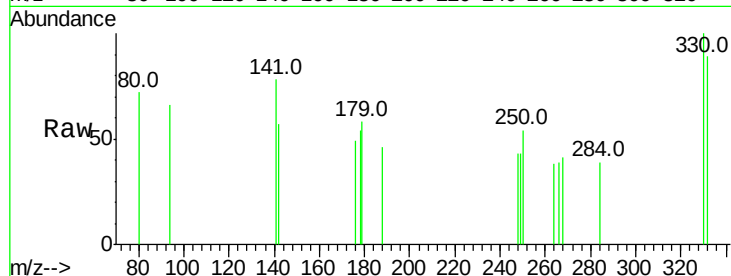




#14  
 2,4,6-Tribromophenol  
 Concen: 0.245 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

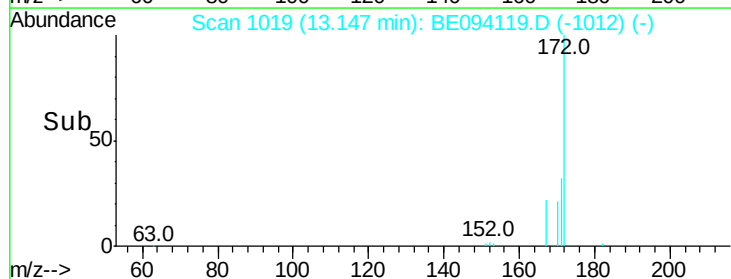
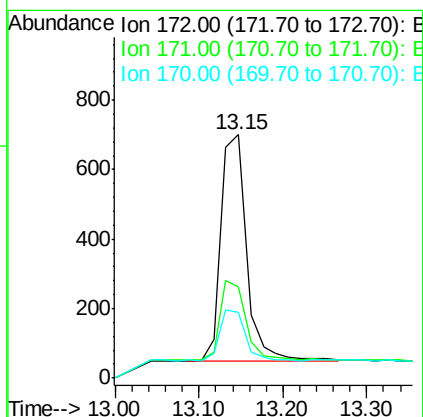
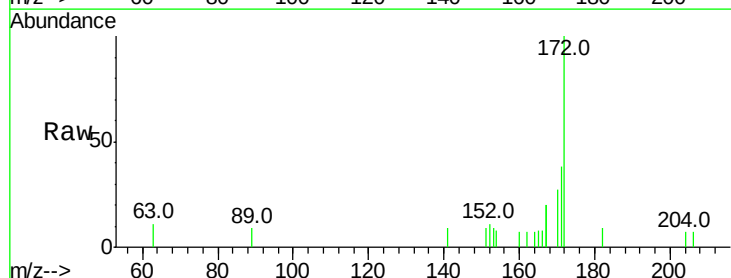
Instrument :  
 BNA\_E  
 ClientSampled :

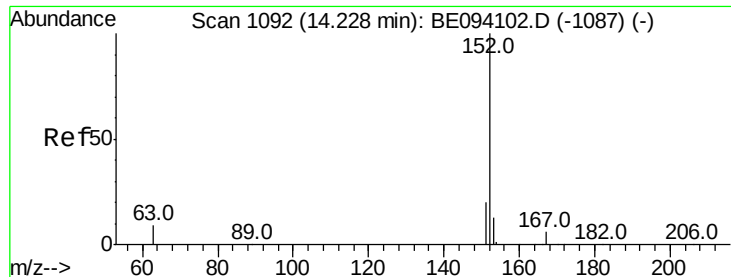
Tot Ion:330 Resp: 174  
 Ion Ratio Lower Upper  
 330 100  
 332 87.9 152.7 229.1#  
 141 0.0 33.7 50.5#



#15  
 2-Fluorobiphenyl  
 Concen: 0.360 ng  
 RT: 13.15 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

Tgt Ion:172 Resp: 1390  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.9 44.9  
 170 27.0 21.8 32.8





#16

Acenaphthylene

Concen: 0.286 ng

RT: 14.23 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

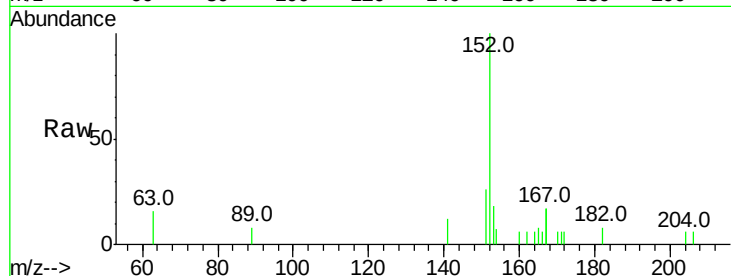
Tot Ion:152 Resp: 1676

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

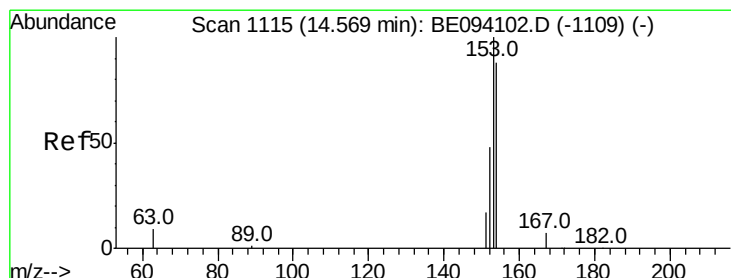
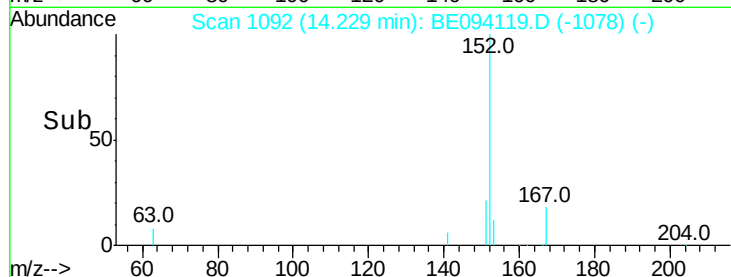
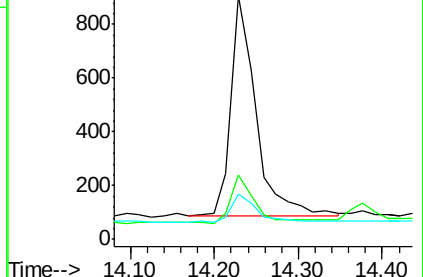
153 12.6 10.5 15.7



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: 0.078 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

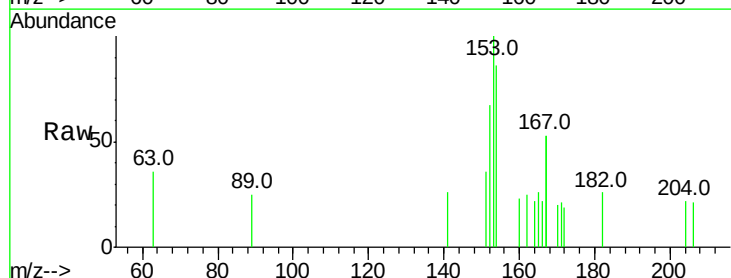
Tgt Ion:154 Resp: 286

Ion Ratio Lower Upper

154 100

153 105.9 89.2 133.8

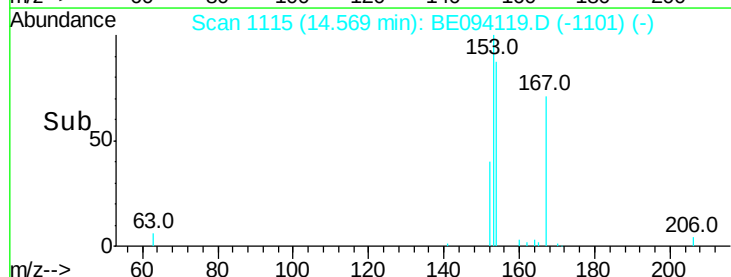
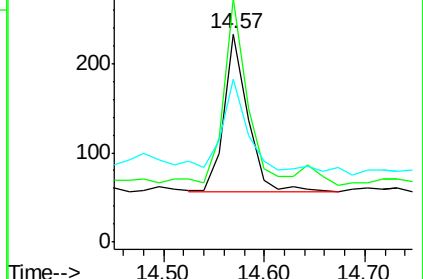
152 58.0 42.0 63.0

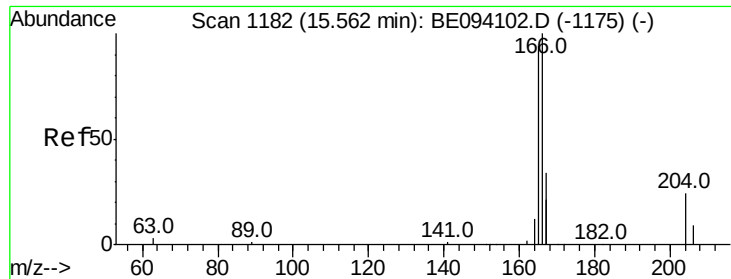


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.122 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampled :

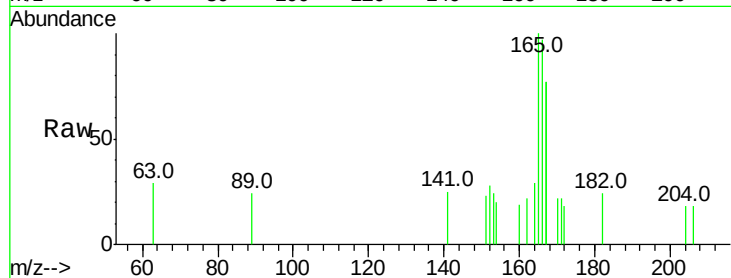
Tot Ion:166 Resp: 605

Ion Ratio Lower Upper

166 100

165 107.8 77.8 116.6

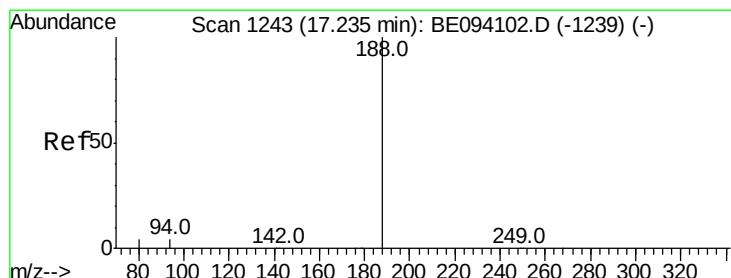
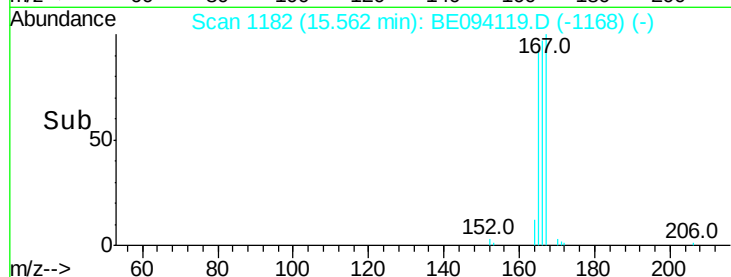
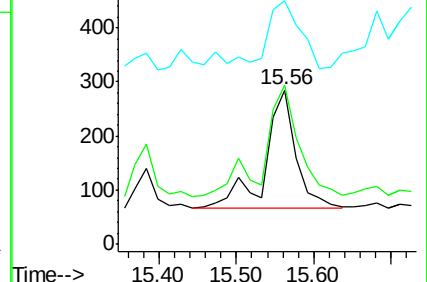
167 55.7 42.4 63.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

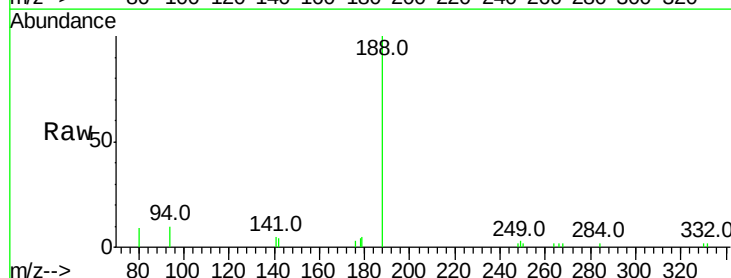
Tgt Ion:188 Resp: 4516

Ion Ratio Lower Upper

188 100

94 10.0 3.9 5.9#

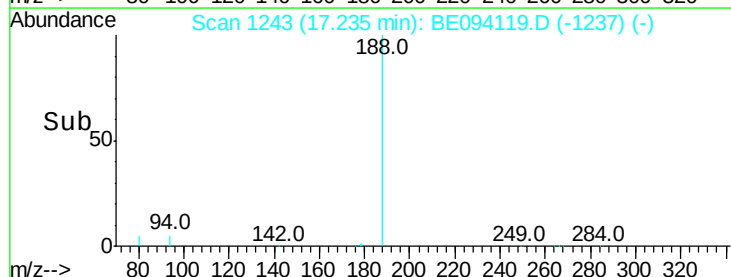
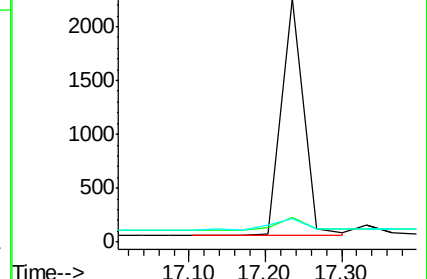
80 9.4 3.6 5.4#

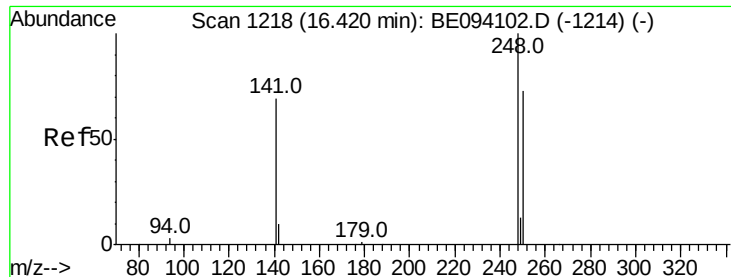


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

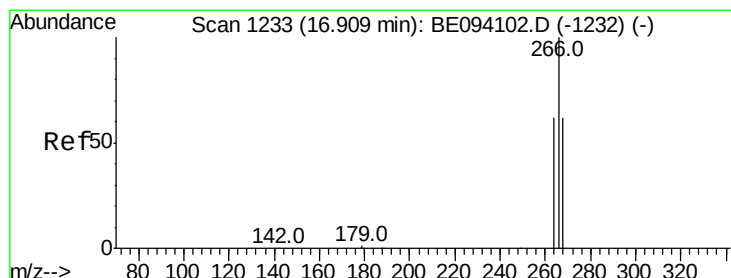
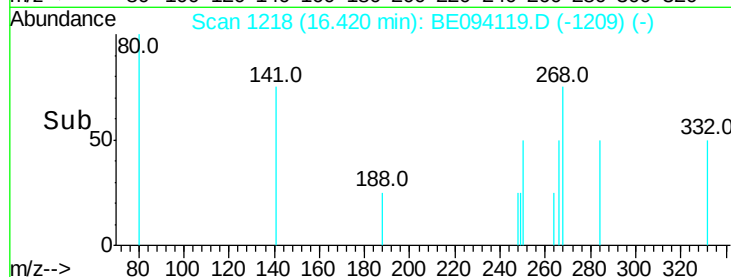
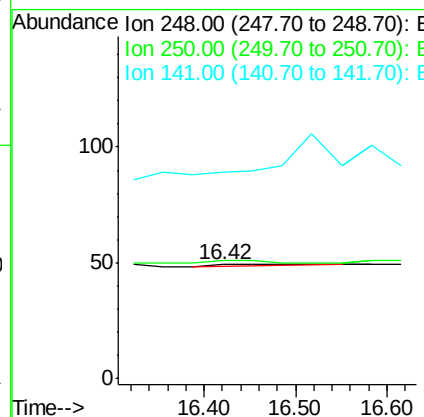
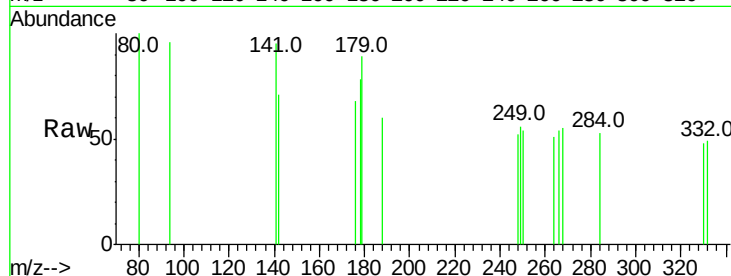




#20  
4-Bromophenyl-phenylether  
Concen: 0.003 ng  
RT: 16.42 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

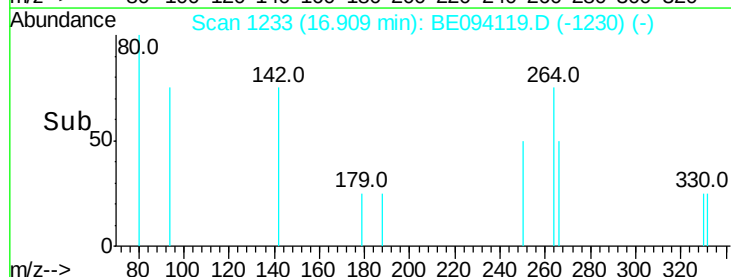
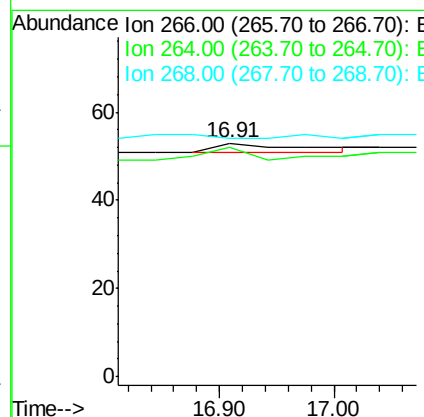
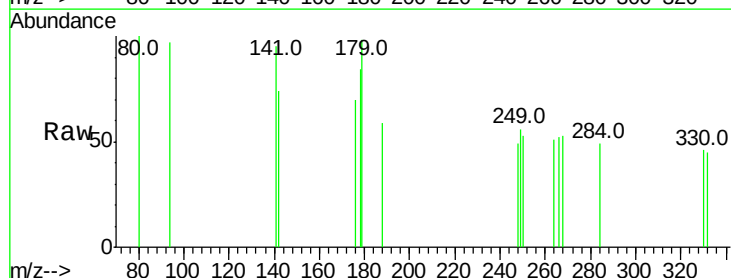
Instrument :  
BNA\_E  
ClientSampled :

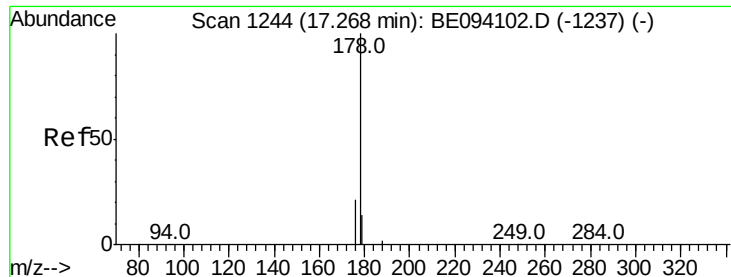
Tot Ion:248 Resp: 6  
Ion Ratio Lower Upper  
248 100  
250 104.1 62.7 94.1#  
141 181.6 48.2 72.2#



#22  
Pentachlorophenol  
Concen: 0.009 ng  
RT: 16.91 min Scan# 1233  
Delta R.T. 0.00 min  
Lab File: BE094119.D  
Acq: 26 Sep 2017 1:30

Tgt Ion:266 Resp: 10  
Ion Ratio Lower Upper  
266 100  
264 98.1 72.5 108.7  
268 101.9 73.8 110.6





#23

Phenanthrene

Concen: 1.380 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

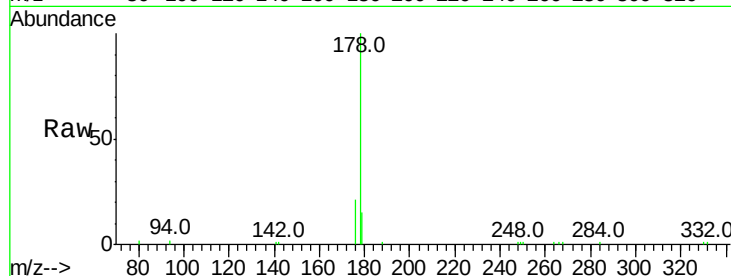
Instrument :

BNA\_E

ClientSampled :

Tot Ion:178 Resp: 15949

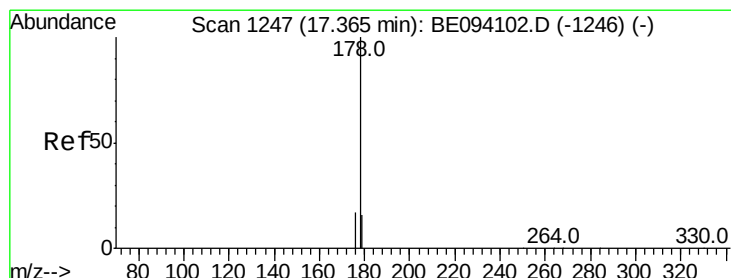
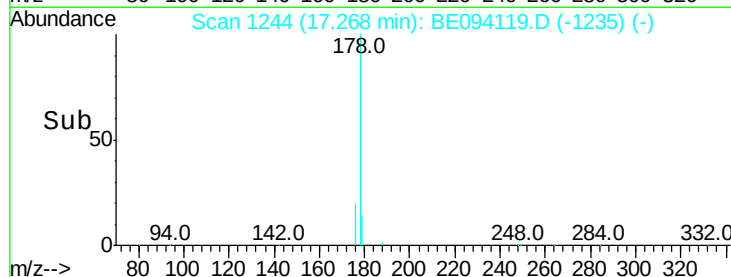
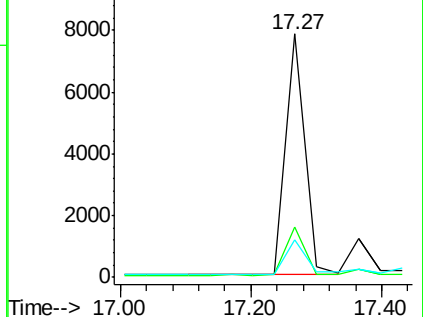
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.2  | 15.1  | 22.7  |
| 179 | 16.1  | 11.8  | 17.6  |



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: 0.222 ng

RT: 17.37 min Scan# 1247

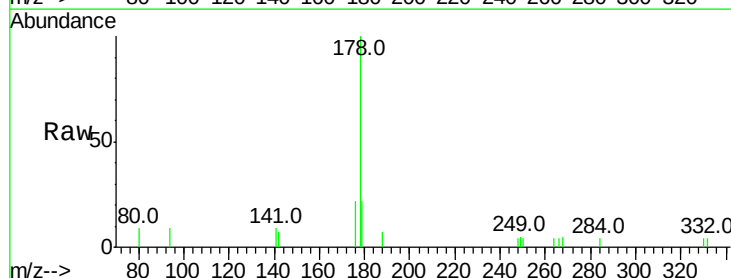
Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:178 Resp: 2695

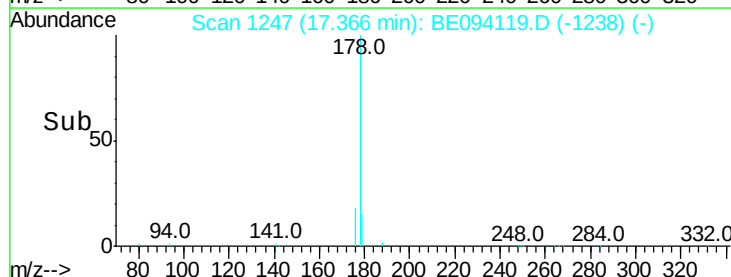
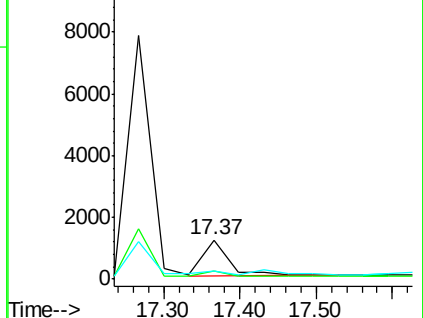
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 17.6  | 12.8  | 19.2  |
| 179 | 10.9  | 13.0  | 19.6  |

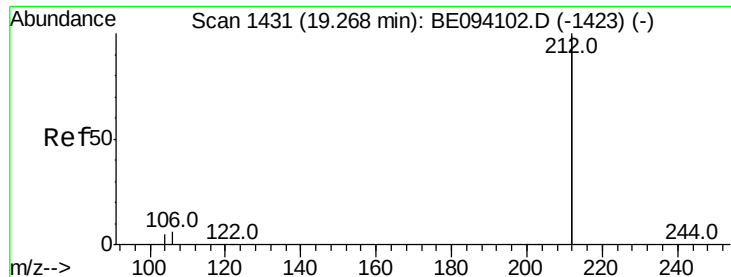


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:212 Resp: 11455

Ion Ratio Lower Upper

212 100

106 3.7

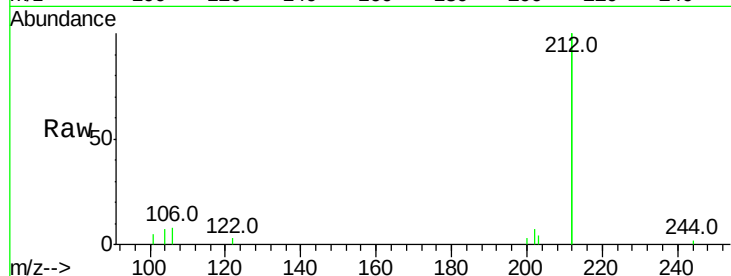
2.8

4.2

104 3.7

1.6

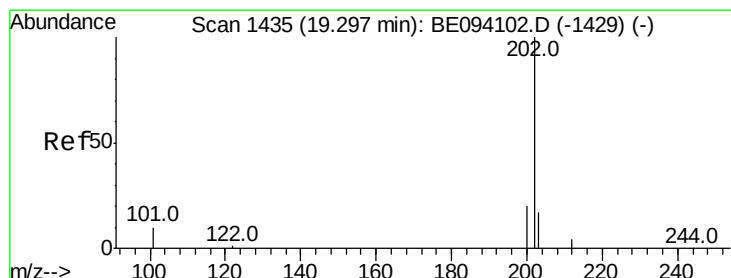
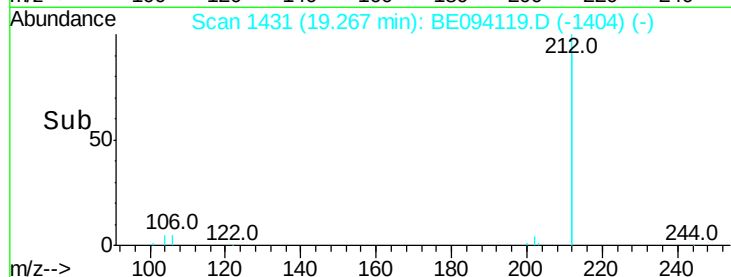
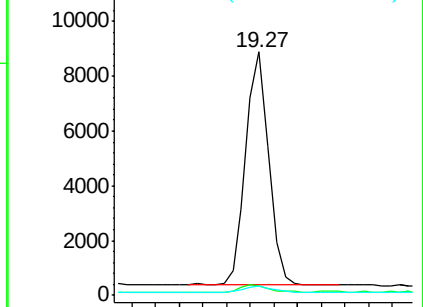
2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.734 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:202 Resp: 35402

Ion Ratio Lower Upper

202 100

101 12.1

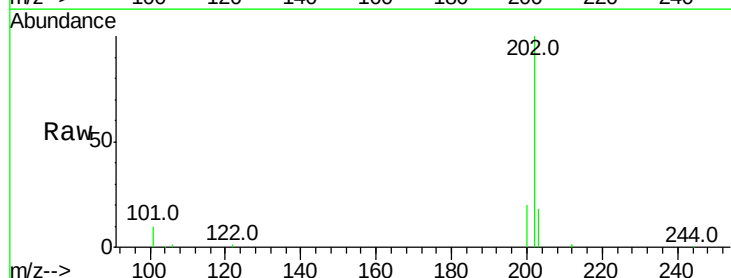
9.8

14.8

203 17.6

13.7

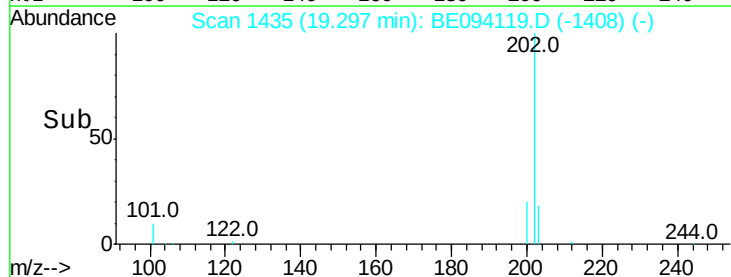
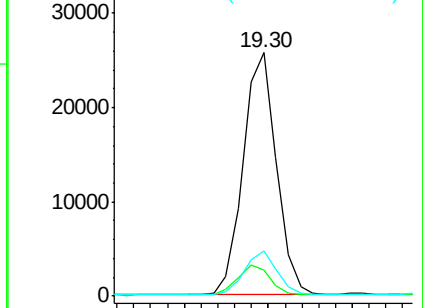
20.5

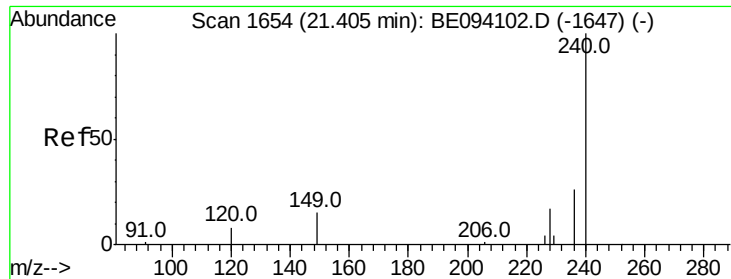


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

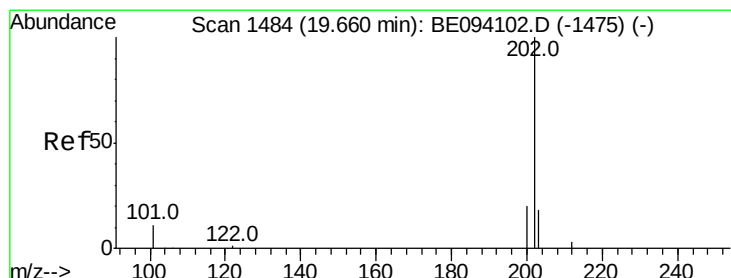
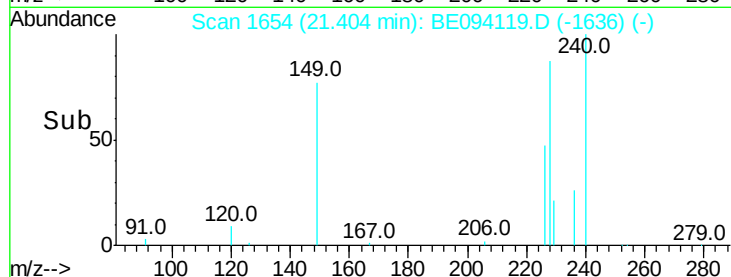
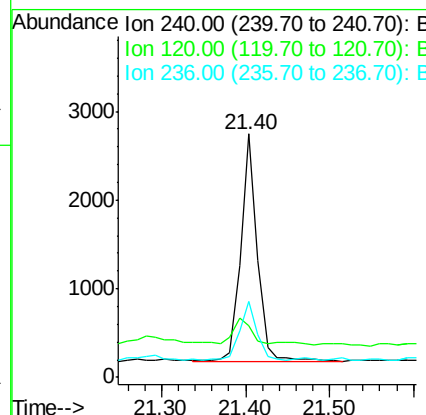
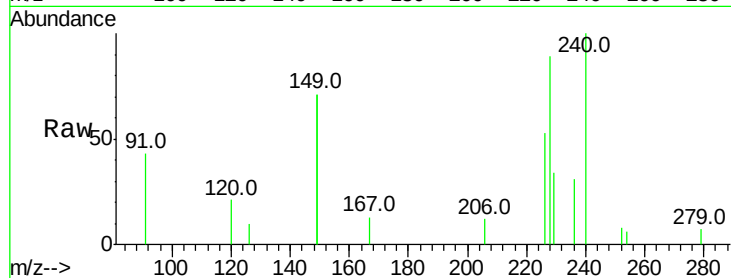




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

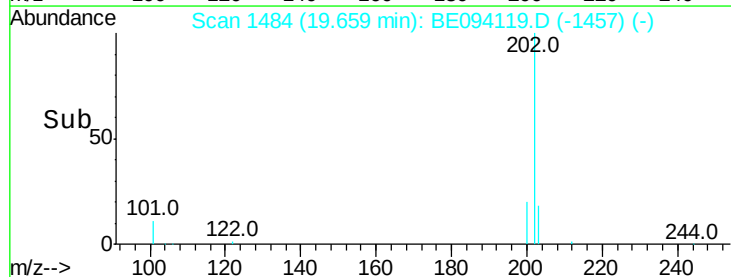
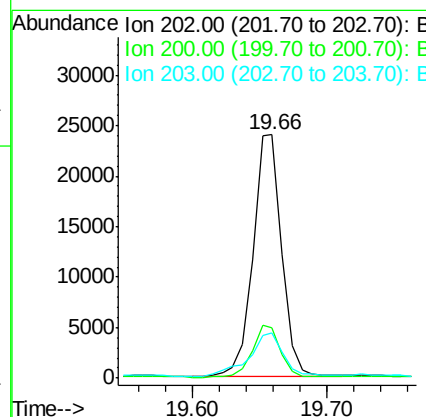
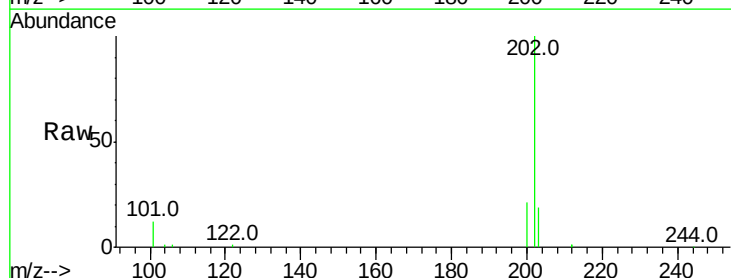
Instrument :  
 BNA\_E  
 ClientSampleId :

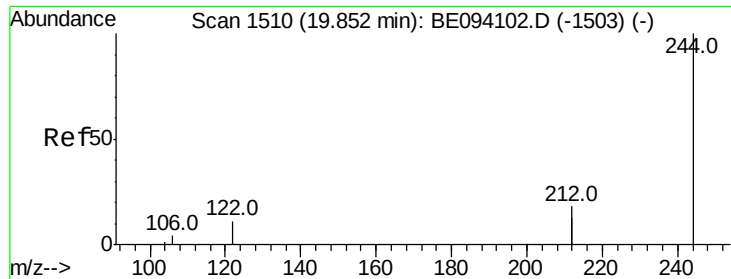
Tot Ion:240 Resp: 3482  
 Ion Ratio Lower Upper  
 240 100  
 120 21.0 5.5 8.3#  
 236 31.2 20.7 31.1#



#28  
 Pyrene  
 Concen: 3.230 ng  
 RT: 19.66 min Scan# 1484  
 Delta R.T. -0.00 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

Tgt Ion:202 Resp: 35636  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 16.6 25.0  
 203 21.4 13.8 20.8#

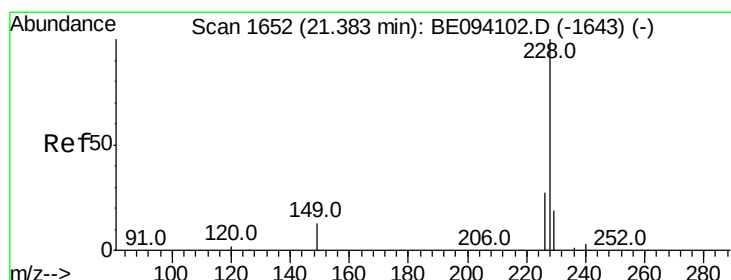
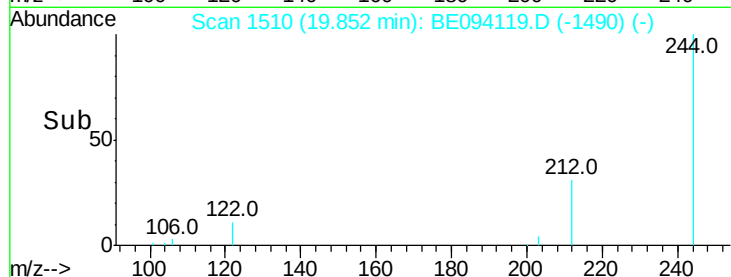
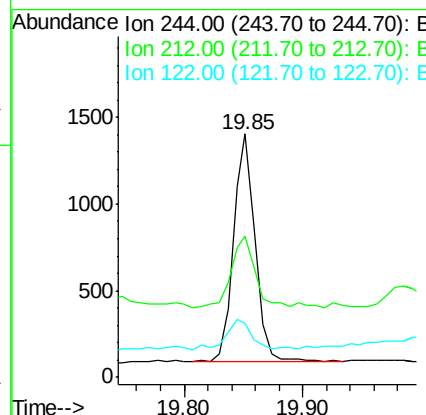
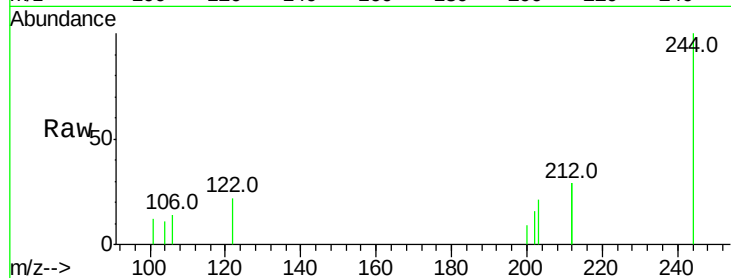




#29  
 Terphenyl-d14  
 Concen: 0.265 ng  
 RT: 19.85 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

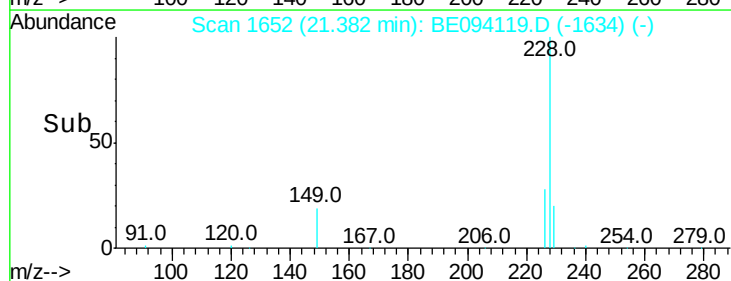
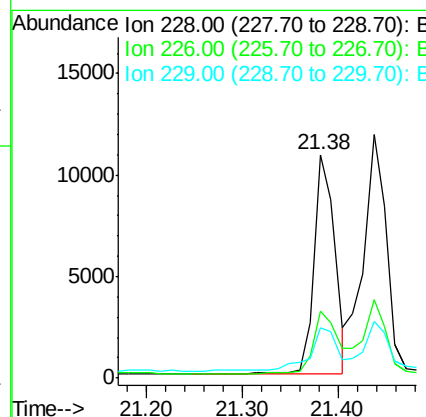
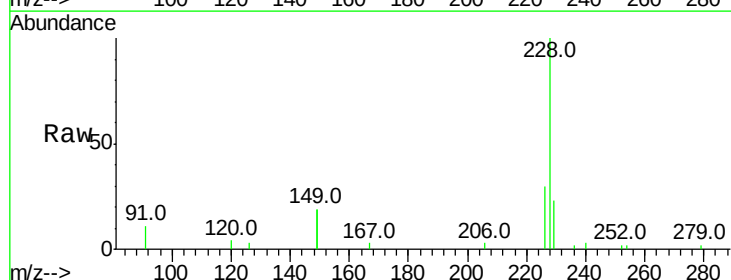
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:244 Resp: 1685  
 Ion Ratio Lower Upper  
 244 100  
 212 58.0 25.4 38.0#  
 122 22.1 8.1 12.1#

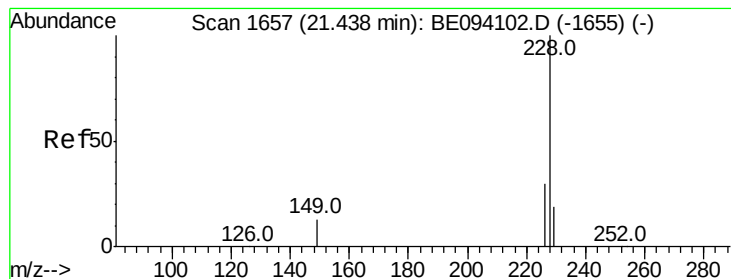


#30  
 Benzo(a)anthracene  
 Concen: 1.404 ng  
 RT: 21.38 min Scan# 1652  
 Delta R.T. -0.00 min  
 Lab File: BE094119.D  
 Acq: 26 Sep 2017 1:30

Tgt Ion:228 Resp: 16461  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 21.4 32.0  
 229 22.8 16.4 24.6







#31

Chrysene

Concen: 1.726 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

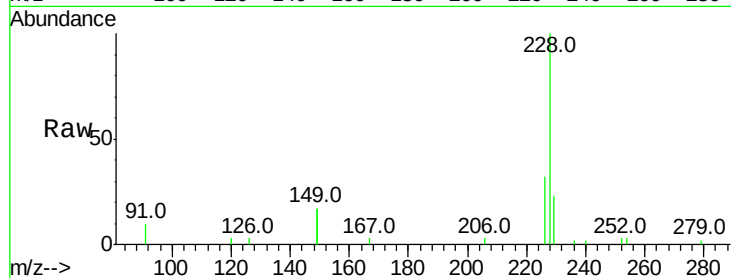
Tot Ion:228 Resp: 19534

Ion Ratio Lower Upper

228 100

226 32.3 23.6 35.4

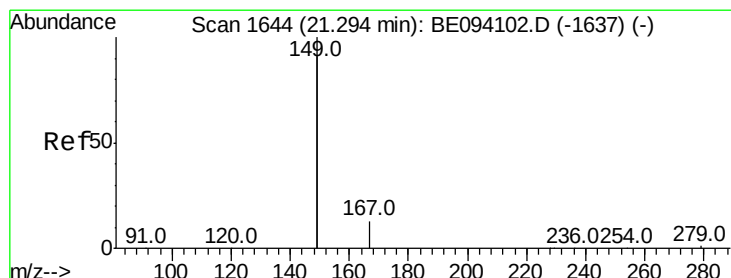
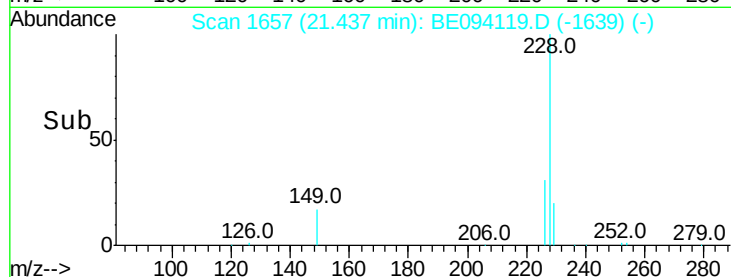
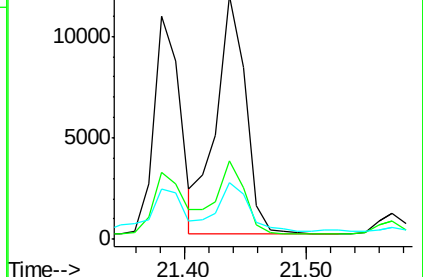
229 23.1 16.4 24.6



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: 0.315 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

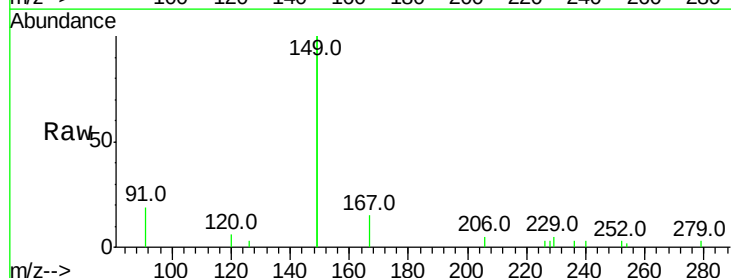
Tgt Ion:149 Resp: 16089

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

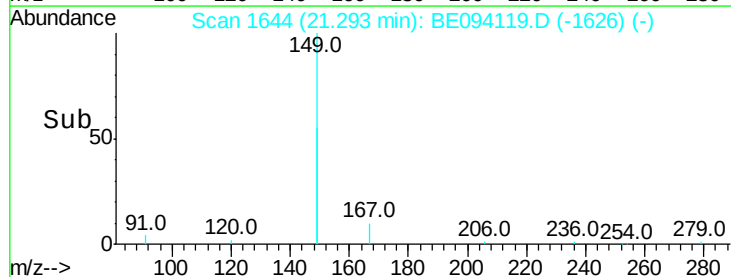
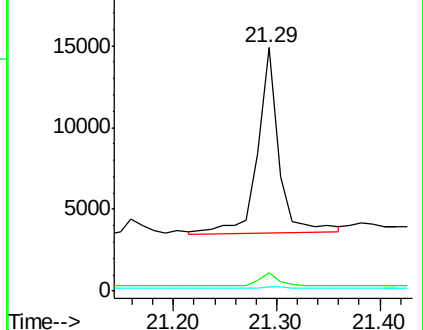
279 0.9 0.7 1.1

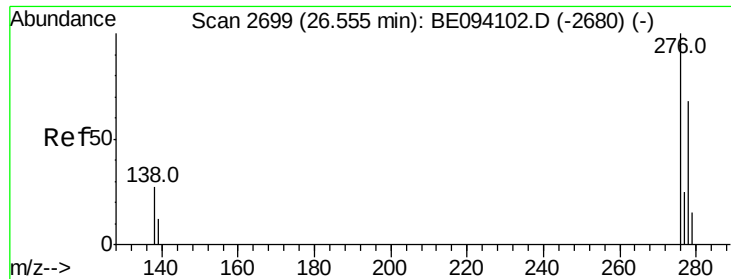


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.901 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

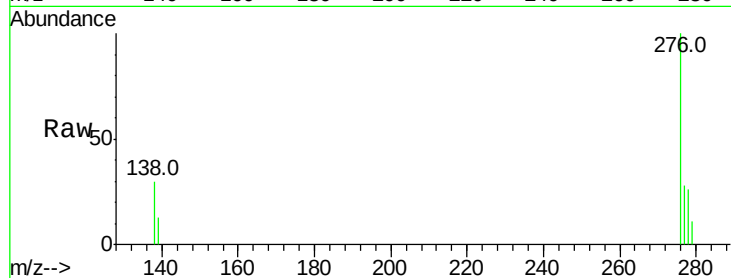
Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :



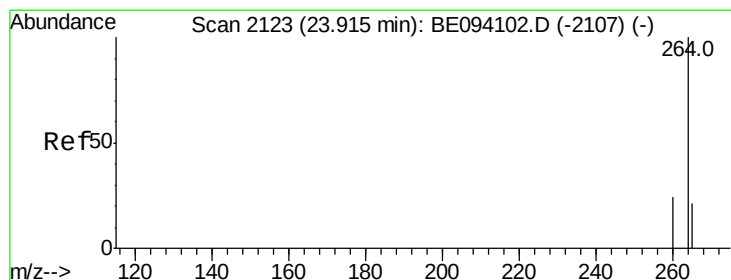
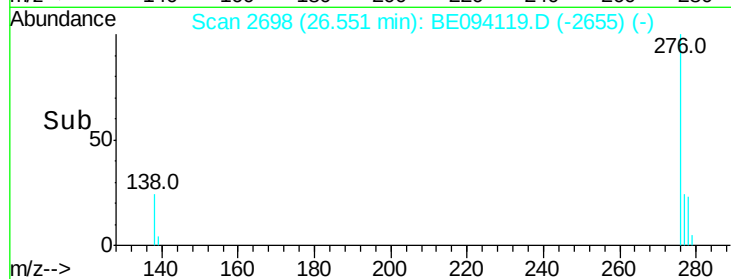
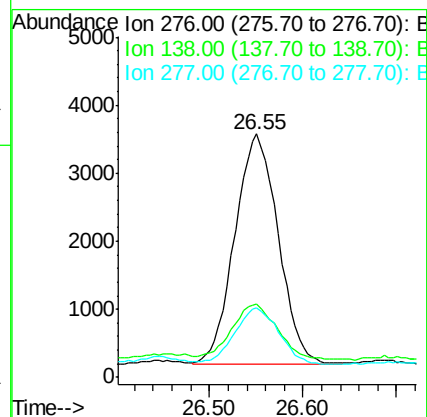
Tot Ion:276 Resp: 10909

Ion Ratio Lower Upper

276 100

138 25.2 22.5 33.7

277 25.1 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: BE094119.D

Acq: 26 Sep 2017 1:30

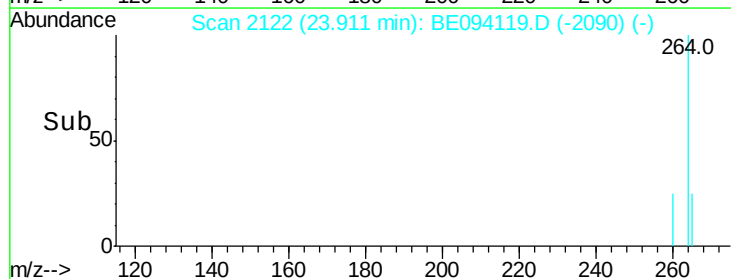
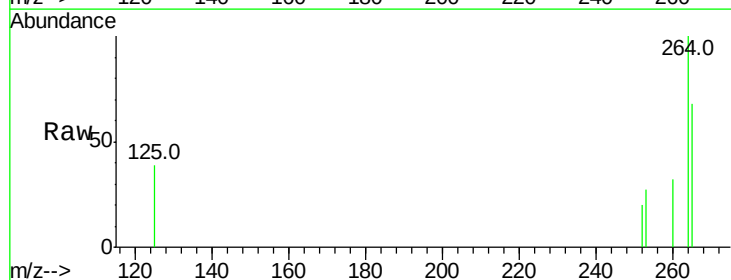
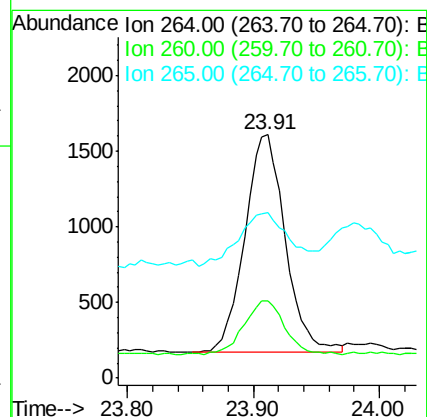
Tgt Ion:264 Resp: 3242

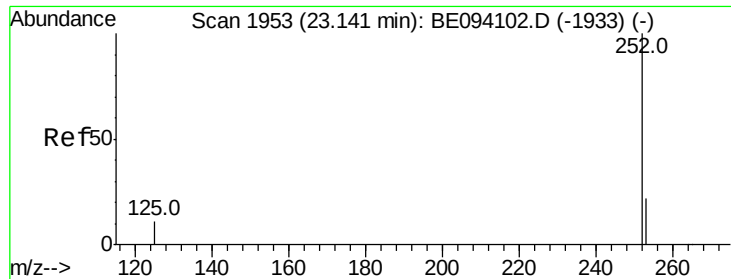
Ion Ratio Lower Upper

264 100

260 32.0 20.5 30.7#

265 68.0 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 1.989 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

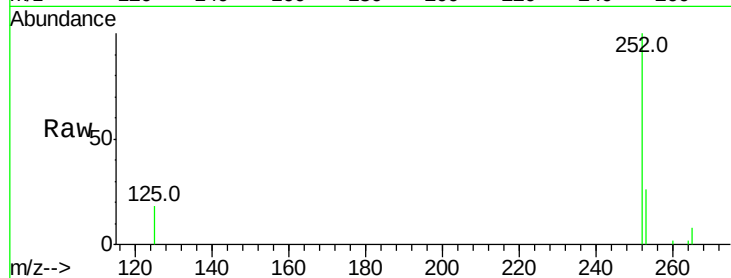
Tot Ion:252 Resp: 23269

Ion Ratio Lower Upper

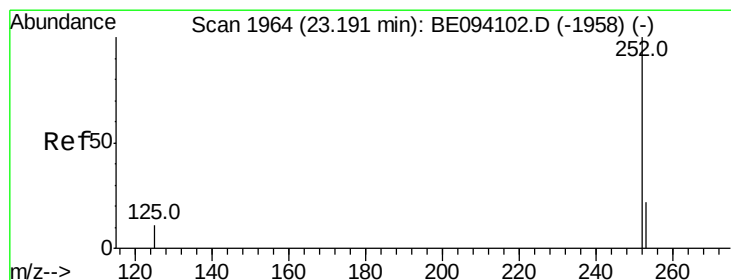
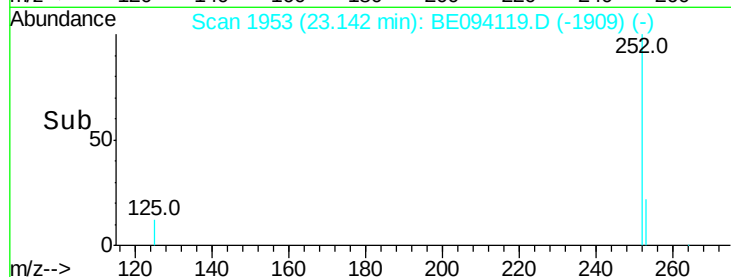
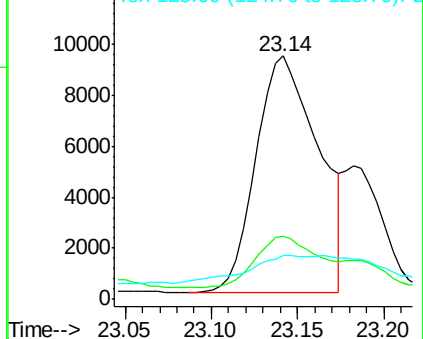
252 100

253 26.1 18.2 27.2

125 18.3 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: 2.078 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

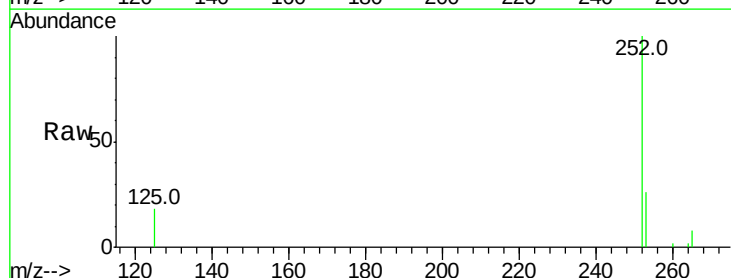
Tgt Ion:252 Resp: 23269

Ion Ratio Lower Upper

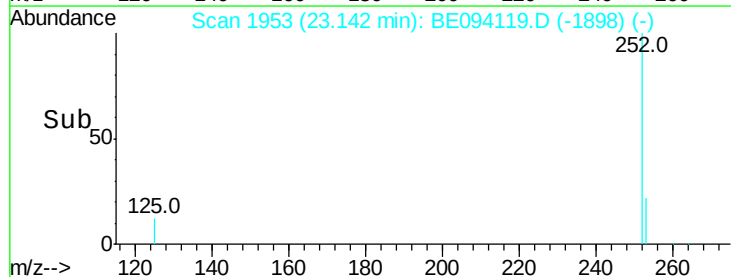
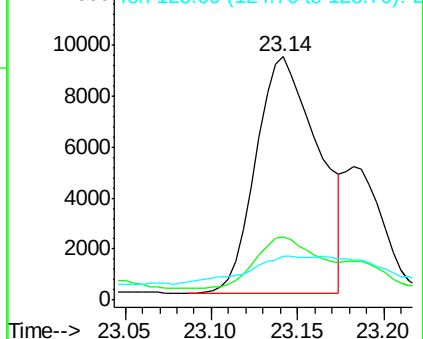
252 100

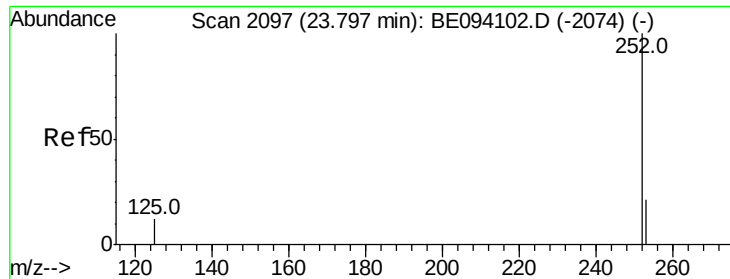
253 26.1 18.6 27.8

125 18.3 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: 1.521 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :

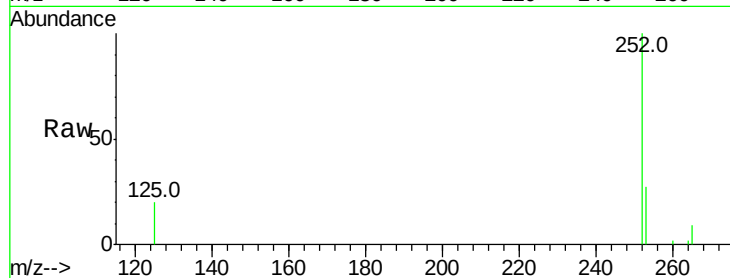
Tot Ion:252 Resp: 16080

Ion Ratio Lower Upper

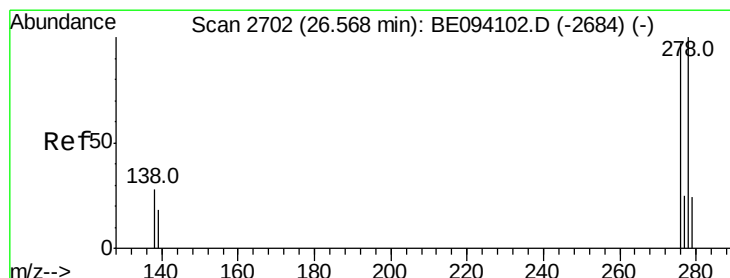
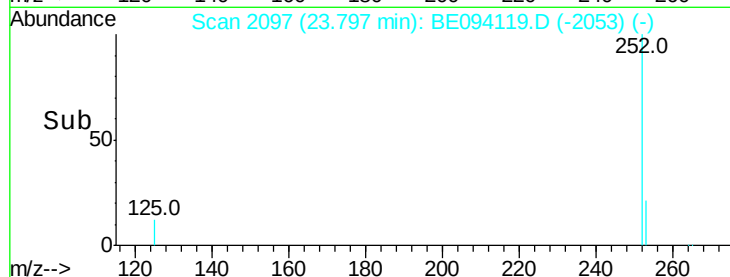
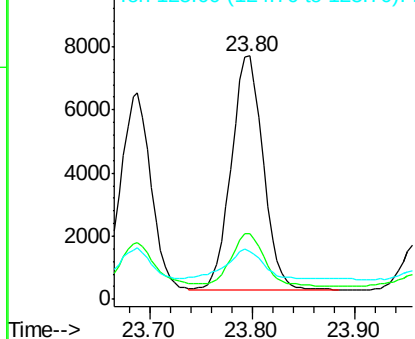
252 100

253 27.1 19.0 28.6

125 19.7 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: 0.300 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.02 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

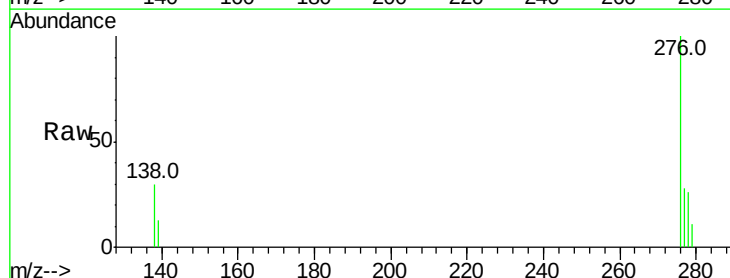
Tgt Ion:278 Resp: 3005

Ion Ratio Lower Upper

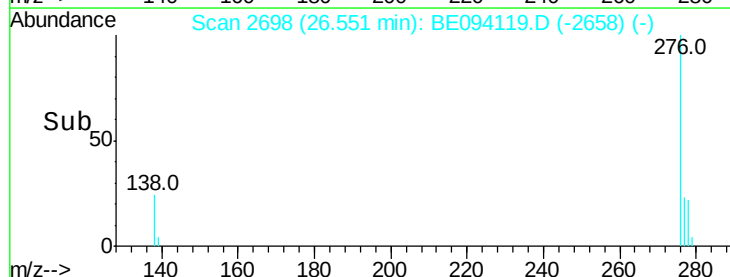
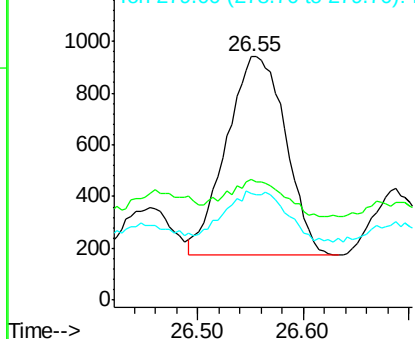
278 100

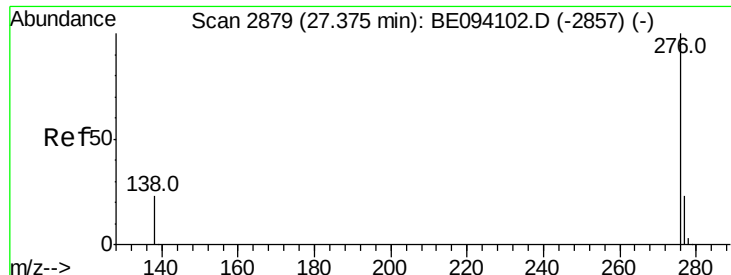
139 49.5 16.3 24.5#

279 43.7 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: 1.169 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

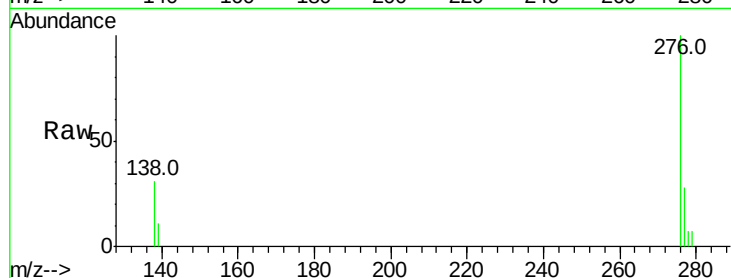
Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA\_E

ClientSampleId :



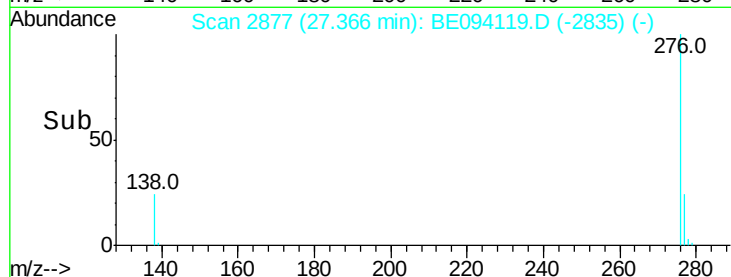
Tot Ion:276 Resp: 11587

Ion Ratio Lower Upper

276 100

277 28.3 20.8 31.2

138 30.8 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

