

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101917\  
 Data File : BE094452.D  
 Acq On : 19 Oct 2017 17:49  
 Operator : SJ/JU  
 Sample : I5819-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3906-PP4

Quant Time: Oct 20 12:41:37 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 14:54:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1459     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.69 | 136  | 7288     | 0.40 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 14.51 | 164  | 4396     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.23 | 188  | 11480    | 0.40 | ng    | -0.03    |
| 27) Chrysene-d12          | 21.42 | 240  | 10244    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.94 | 264  | 9623     | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.53  | 112 | 877   | 0.18 | ng | 0.01  |
| 5) Phenol-d6                | 7.13  | 99  | 729   | 0.09 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 2842  | 0.45 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 4958  | 0.44 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 575   | 0.34 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 7447  | 0.47 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.27 | 212 | 53564 | 0.29 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.85 | 244 | 15130 | 0.73 | ng | -0.01 |

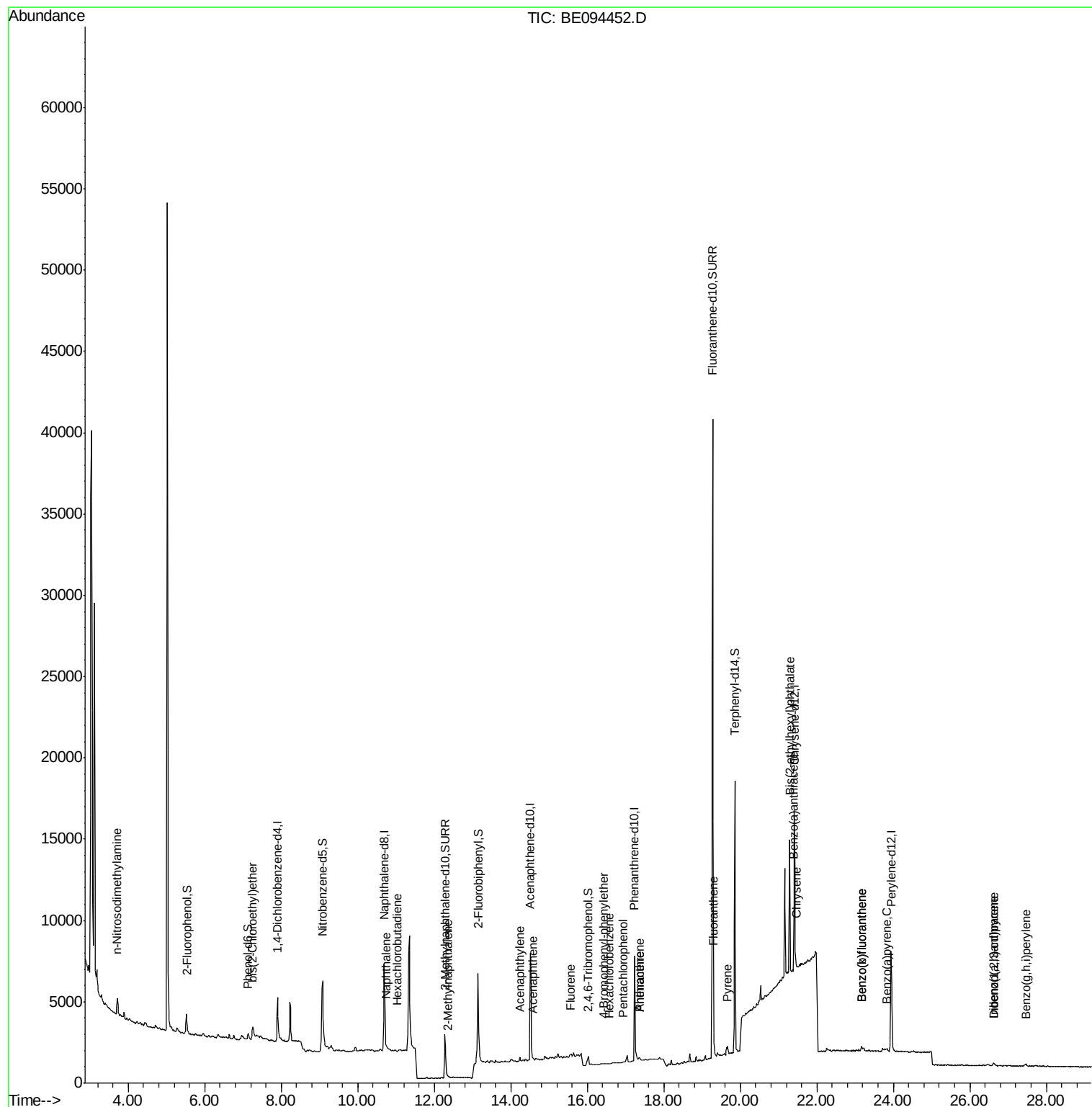
|                                |       |     |       |           |   |    |
|--------------------------------|-------|-----|-------|-----------|---|----|
| Target Compounds               |       |     |       | Qvalue    |   |    |
| 2) 1,4-Dioxane                 | 3.44  | 88  | 82    | Below Cal | # | 16 |
| 3) n-Nitrosodimethylamine      | 3.72  | 42  | 229   | 0.090 ng  | # | 7  |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93  | 2187  | 0.385 ng  | # | 1  |
| 9) Naphthalene                 | 10.74 | 128 | 304   | 0.004 ng  | # | 62 |
| 10) Hexachlorobutadiene        | 11.04 | 225 | 3     | 0.001 ng  | # | 38 |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 35    | 0.003 ng  | # | 45 |
| 16) Acenaphthylene             | 14.24 | 152 | 307   | 0.013 ng  | # | 57 |
| 17) Acenaphthene               | 14.57 | 154 | 34    | 0.002 ng  | # | 2  |
| 18) Fluorene                   | 15.56 | 166 | 80    | 0.004 ng  | # | 62 |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 27    | 0.005 ng  | # | 1  |
| 21) Hexachlorobenzene          | 16.58 | 284 | 12    | 0.028 ng  | # | 38 |
| 22) Pentachlorophenol          | 16.94 | 266 | 14    | 0.168 ng  | # | 94 |
| 23) Phenanthrene               | 17.36 | 178 | 976   | 0.022 ng  | # | 66 |
| 24) Anthracene                 | 17.36 | 178 | 1033  | 0.030 ng  | # | 65 |
| 26) Fluoranthene               | 19.30 | 202 | 567   | 0.010 ng  | # | 52 |
| 28) Pyrene                     | 19.67 | 202 | 529   | 0.014 ng  | # | 74 |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 393   | 0.011 ng  | # | 61 |
| 31) Chrysene                   | 21.46 | 228 | 284   | 0.008 ng  | # | 60 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 10050 | 0.098 ng  | # | 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.62 | 276 | 334   | 0.010 ng  | # | 79 |
| 35) Benzo(b)fluoranthene       | 23.17 | 252 | 507   | 0.016 ng  | # | 62 |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 507   | 0.016 ng  | # | 62 |
| 37) Benzo(a)pyrene             | 23.83 | 252 | 253   | 0.008 ng  | # | 39 |
| 38) Dibenzo(a,h)anthracene     | 26.63 | 278 | 132   | 0.005 ng  | # | 6  |
| 39) Benzo(g,h,i)perylene       | 27.46 | 276 | 368   | 0.013 ng  | # | 72 |

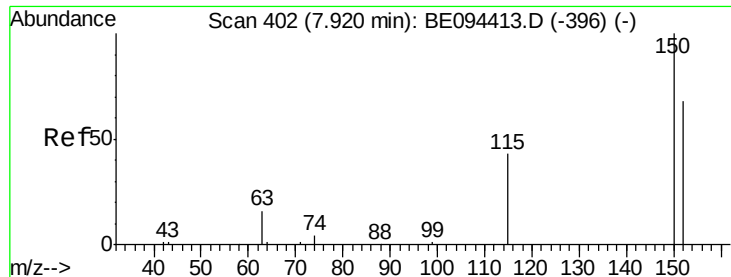
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 16 14:54:40 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

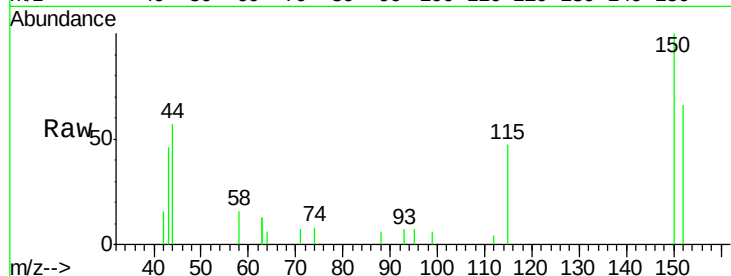
Tgt Ion: 152 Resp: 1459

Ion Ratio Lower Upper

152 100

150 151.2 117.2 175.8

115 70.7 57.0 85.6

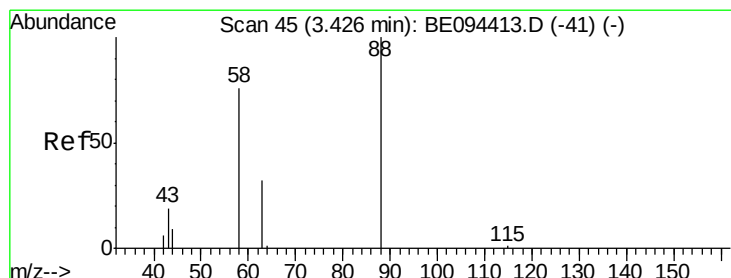
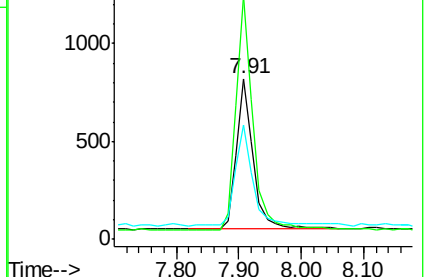
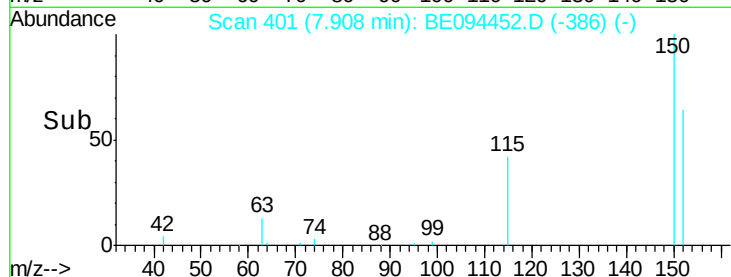


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

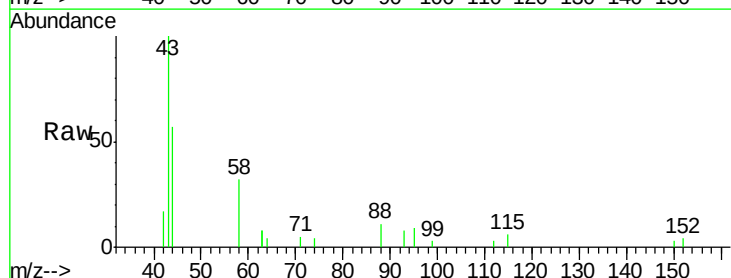
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

43 0.0 41.2 61.8#

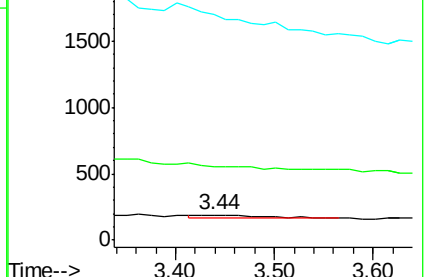
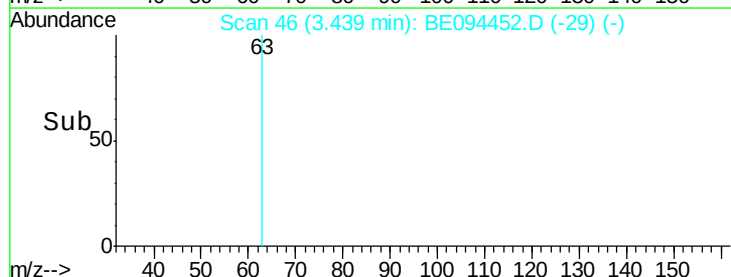


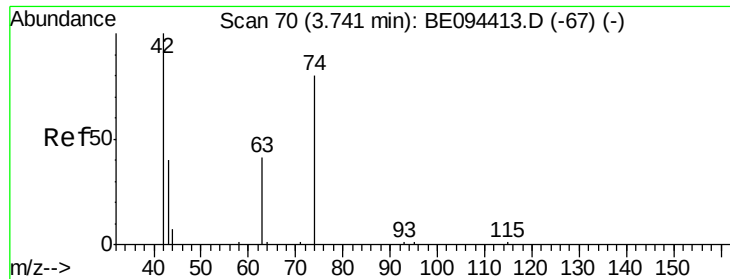
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->



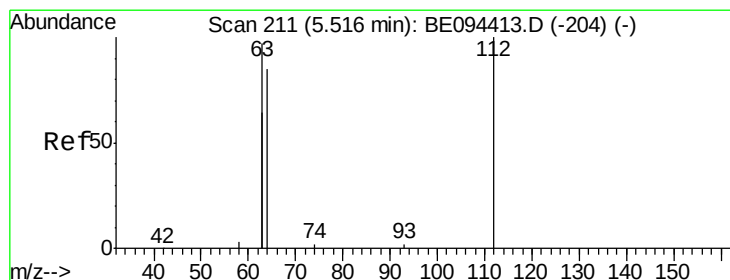
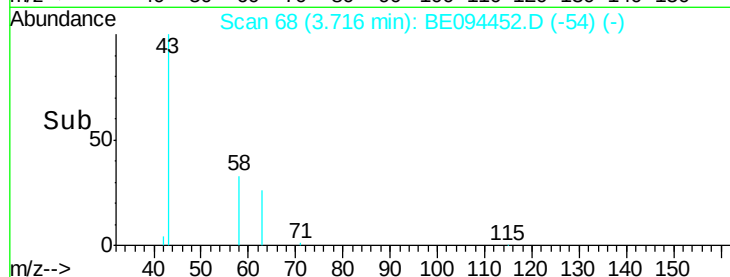
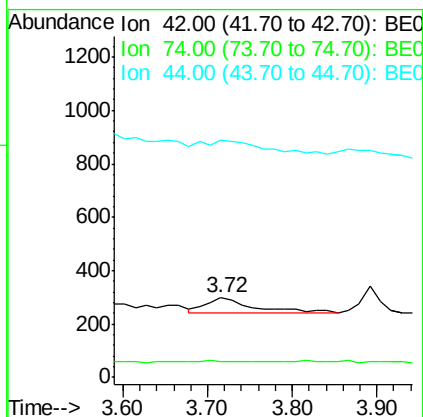
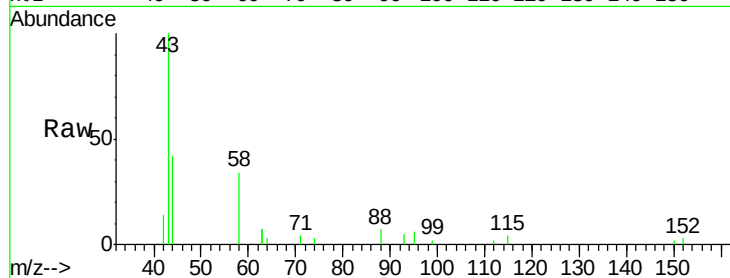


#3

n-Nitrosodimethylamine  
 Concen: 0.090 ng  
 RT: 3.72 min Scan# 68  
 Delta R.T. -0.03 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3906-PP4

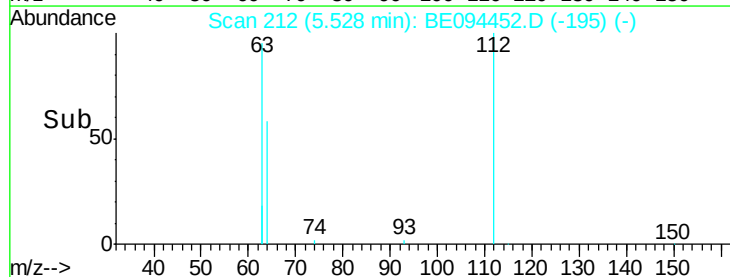
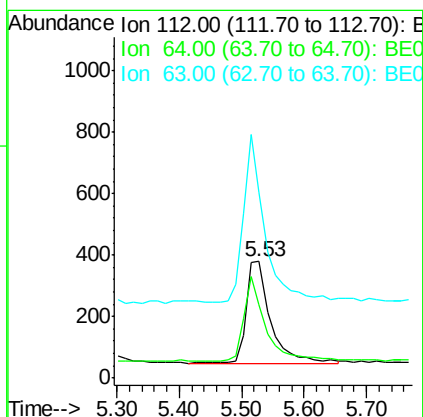
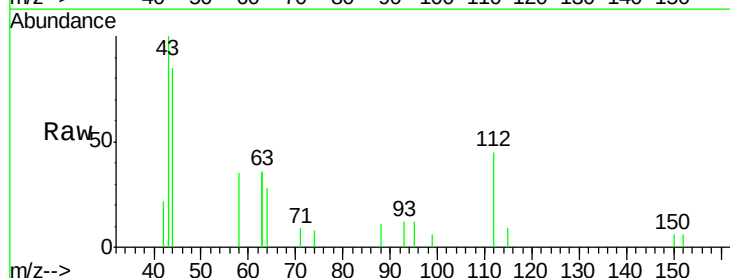
Tgt Ion: 42 Resp: 229  
 Ion Ratio Lower Upper  
 42 100  
 74 10.5 100.3 150.5#  
 44 0.0 17.0 25.4#

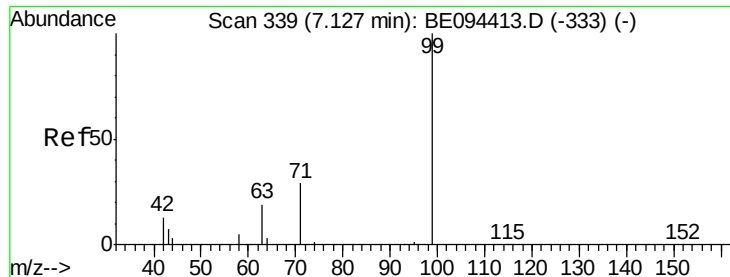


#4

2-Fluorophenol  
 Concen: 0.178 ng  
 RT: 5.53 min Scan# 212  
 Delta R.T. 0.01 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

Tgt Ion: 112 Resp: 877  
 Ion Ratio Lower Upper  
 112 100  
 64 76.2 60.1 90.1  
 63 145.3 116.8 175.2





#5

Phenol-d6

Concen: 0.095 ng

RT: 7.13 min Scan# 339

Delta R.T. 0.00 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

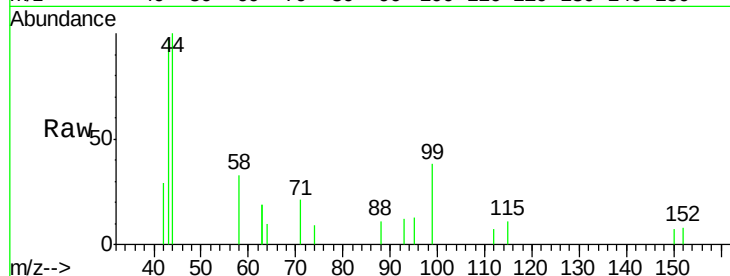
Tgt Ion: 99 Resp: 729

Ion Ratio Lower Upper

99 100

42 17.7 20.2 30.2#

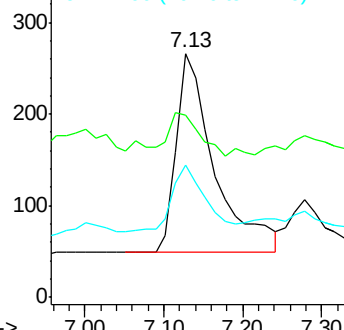
71 29.6 28.4 42.6



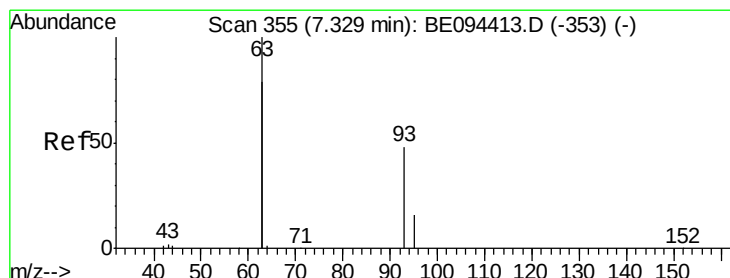
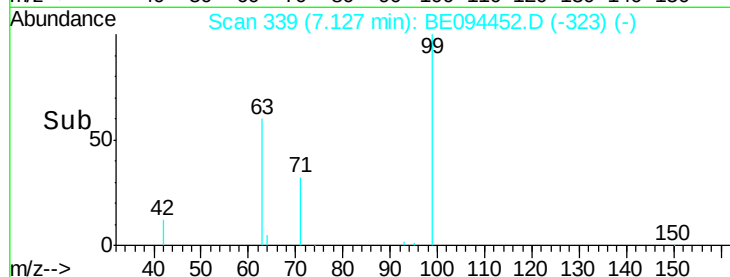
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.385 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

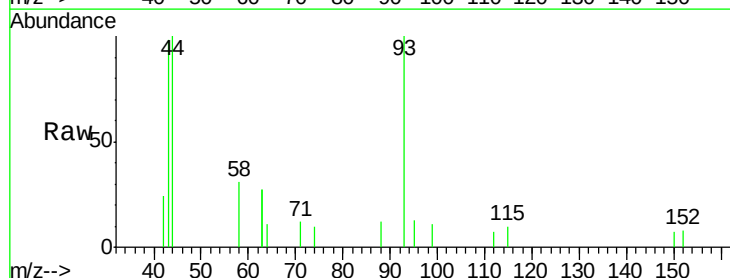
Tgt Ion: 93 Resp: 2187

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

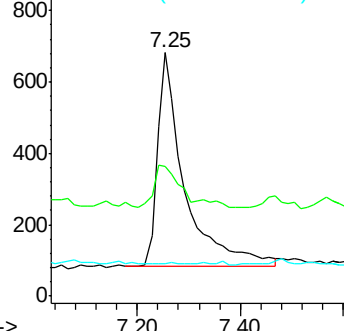
95 0.1 25.2 37.8#



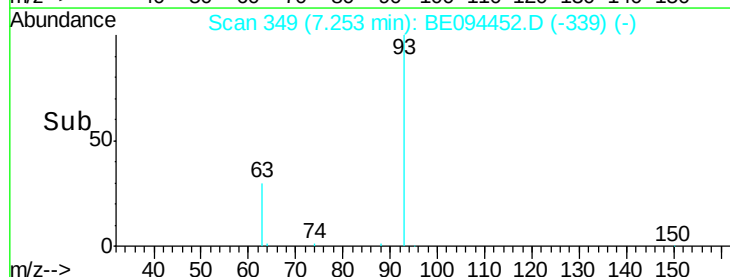
Abundance Ion 93.00 (92.70 to 93.70): BE0

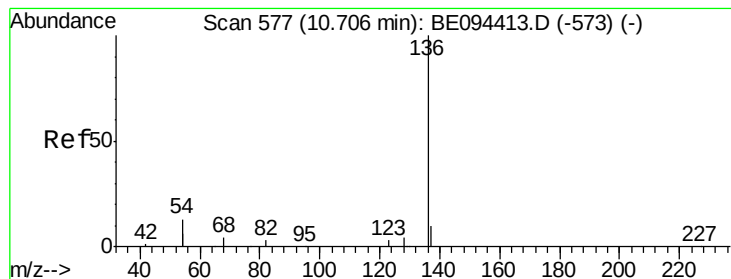
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

Tgt Ion:136 Resp: 7288

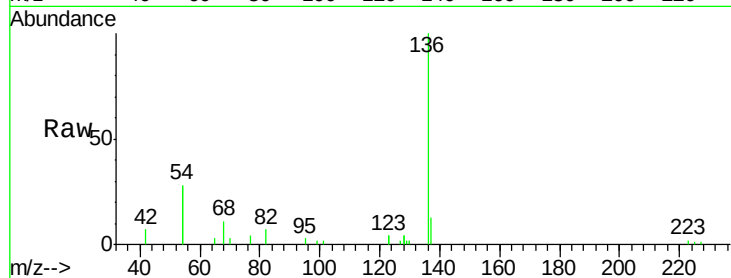
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 55.7 29.1 43.7#

68 11.1 6.2 9.2#

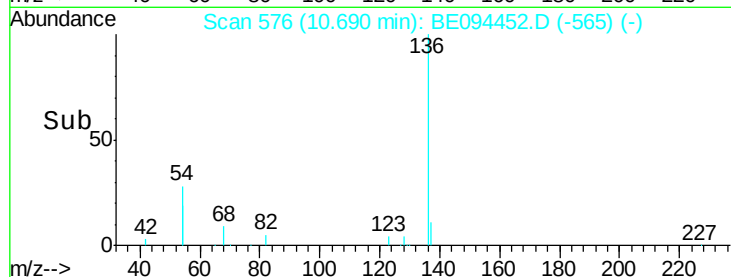


Abundance Ion 136.00 (135.70 to 136.70): E

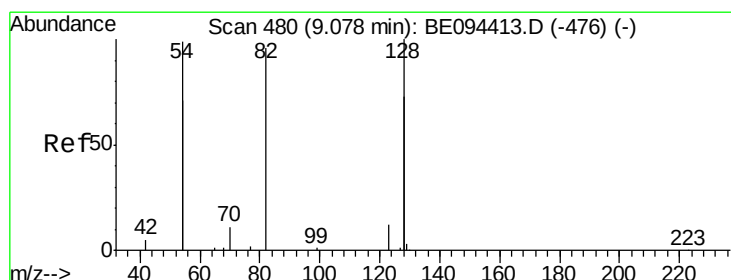
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.449 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

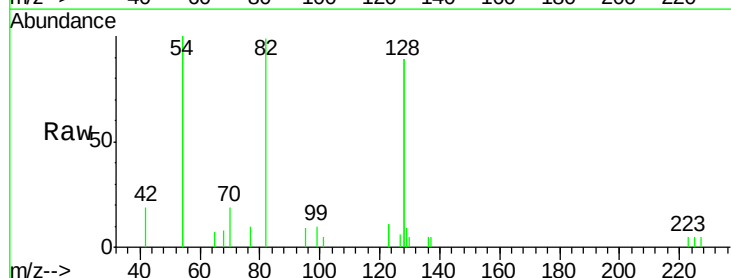
Tgt Ion: 82 Resp: 2842

Ion Ratio Lower Upper

82 100

128 180.7 150.0 225.0

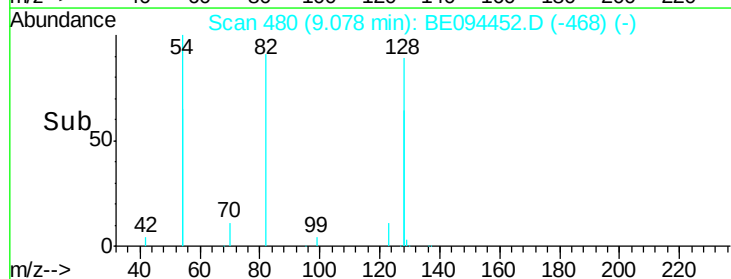
54 202.2 154.2 231.4



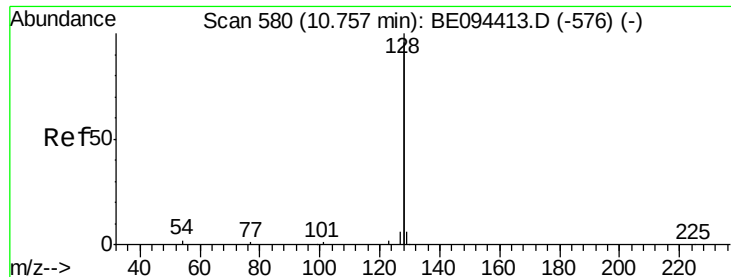
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



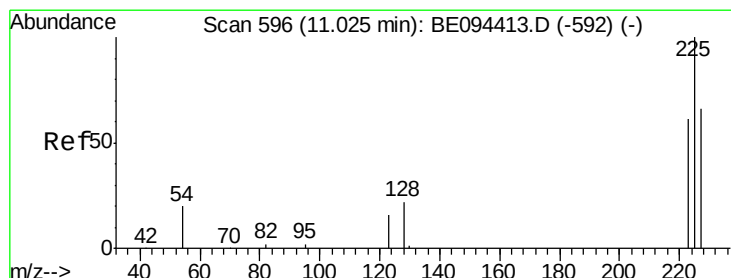
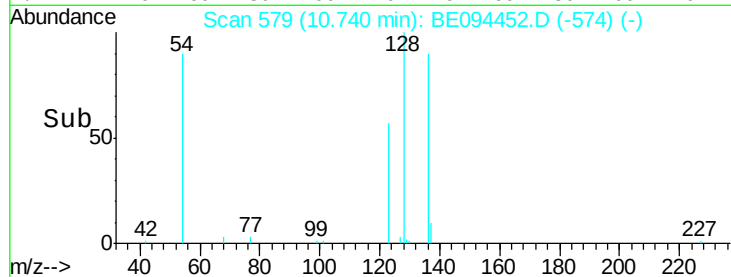
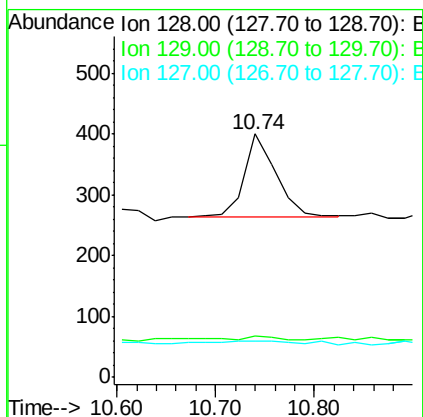
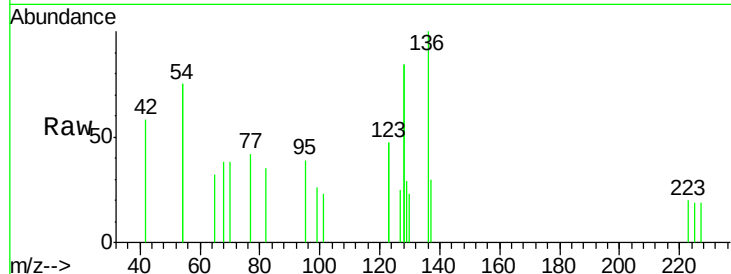
Time-->



#9  
Naphthalene  
Concen: 0.004 ng  
RT: 10.74 min Scan# 579  
Delta R.T. -0.02 min  
Lab File: BE094452.D  
Acq: 19 Oct 2017 17:49

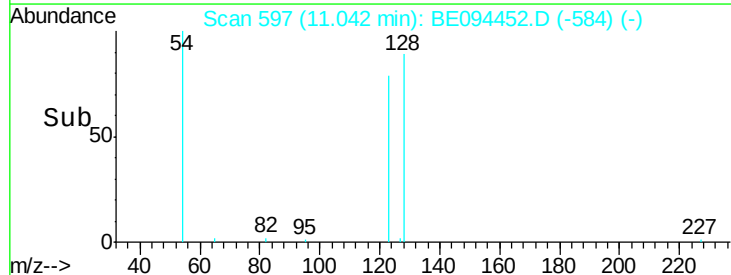
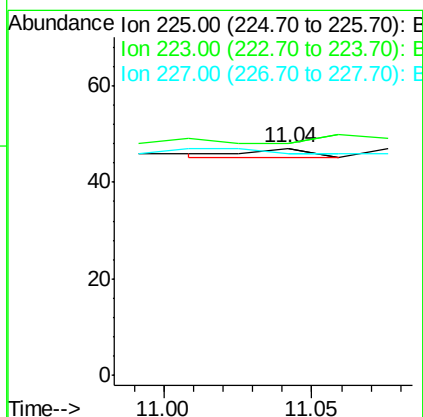
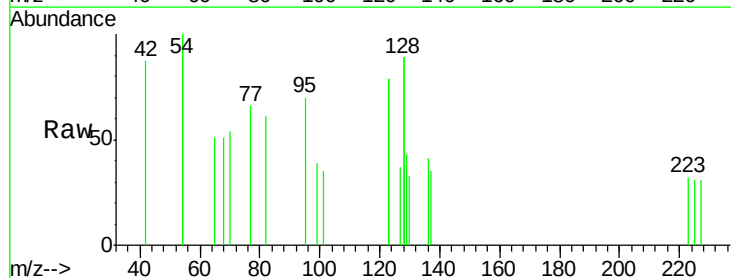
Instrument :  
BNA\_E  
ClientSampleId :  
3906-PP4

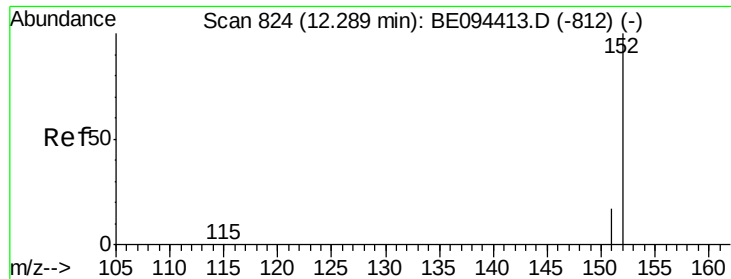
Tgt Ion:128 Resp: 304  
Ion Ratio Lower Upper  
128 100  
129 17.0 2.6 3.8#  
127 15.0 2.8 4.2#



#10  
Hexachlorobutadiene  
Concen: 0.001 ng  
RT: 11.04 min Scan# 597  
Delta R.T. 0.02 min  
Lab File: BE094452.D  
Acq: 19 Oct 2017 17:49

Tgt Ion:225 Resp: 3  
Ion Ratio Lower Upper  
225 100  
223 100.0 53.0 79.6#  
227 0.0 51.4 77.2#

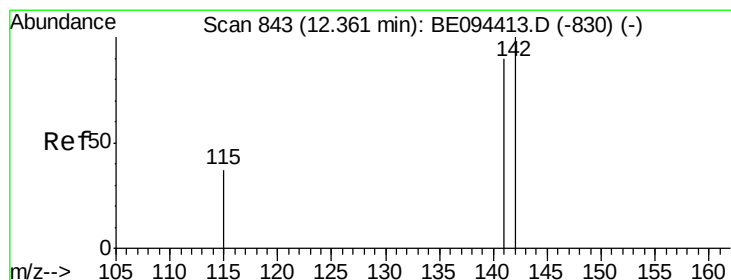
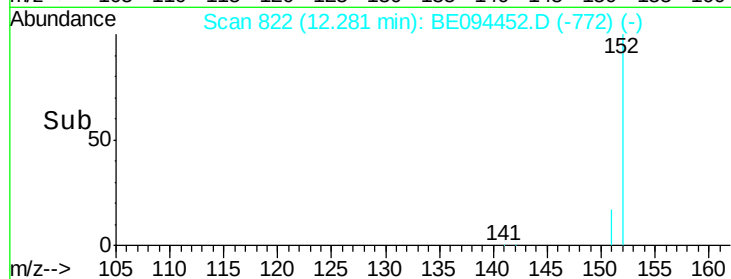
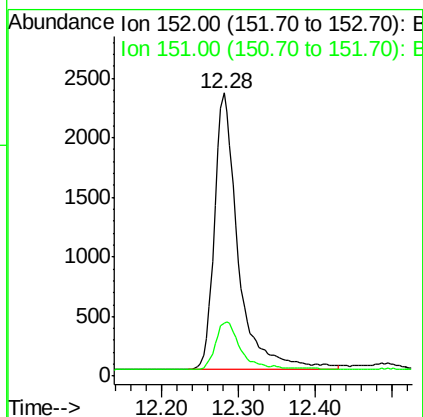
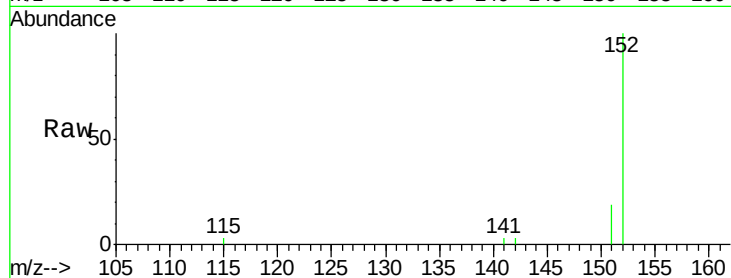




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.441 ng  
 RT: 12.28 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

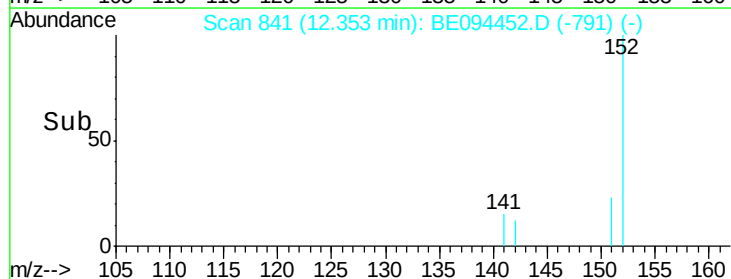
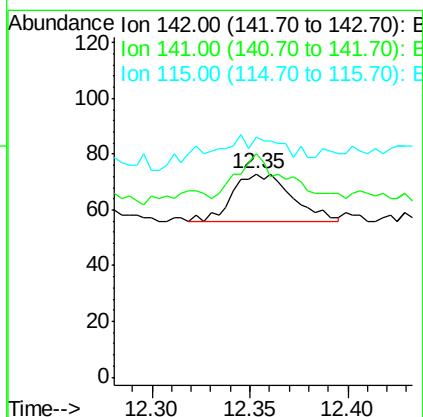
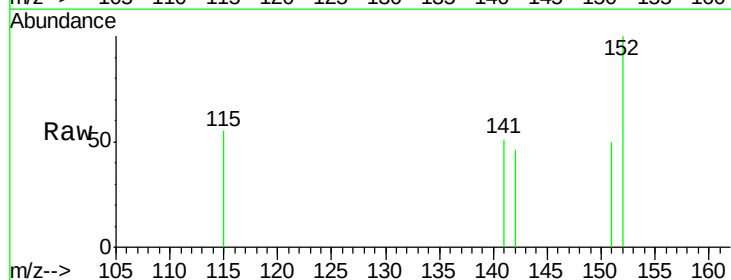
Instrument :  
 BNA\_E  
 ClientSampled :  
 3906-PP4

Tgt Ion:152 Resp: 4958  
 Ion Ratio Lower Upper  
 152 100  
 151 18.5 15.4 23.0

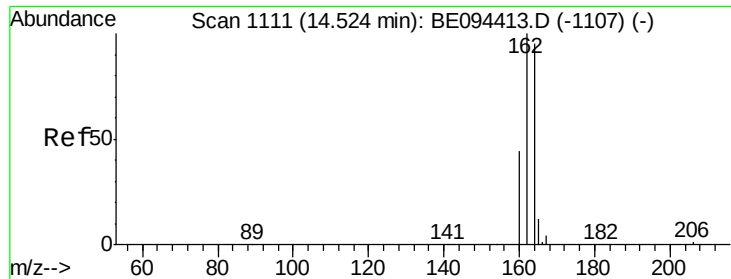


#12  
 2-Methylnaphthalene  
 Concen: 0.003 ng  
 RT: 12.35 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

Tgt Ion:142 Resp: 35  
 Ion Ratio Lower Upper  
 142 100  
 141 109.6 70.4 105.6#  
 115 117.8 31.7 47.5#







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

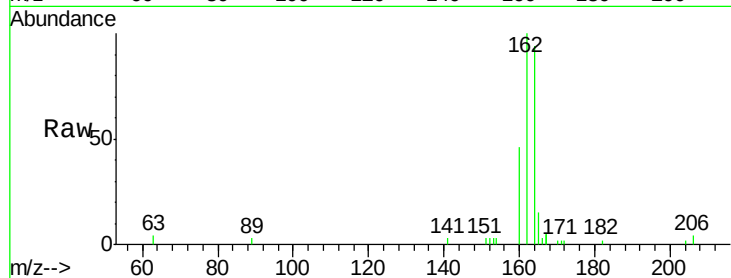
Tgt Ion:164 Resp: 4396

Ion Ratio Lower Upper

164 100

162 106.4 83.1 124.7

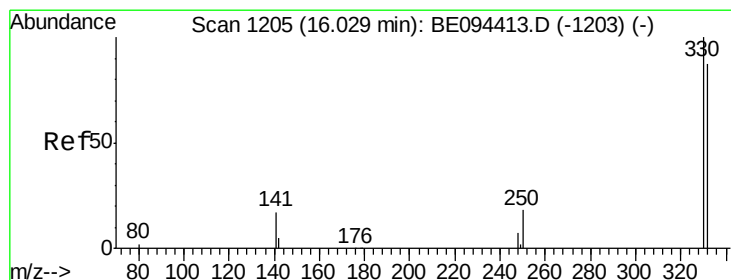
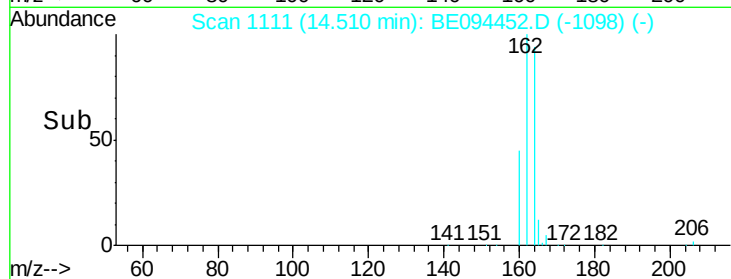
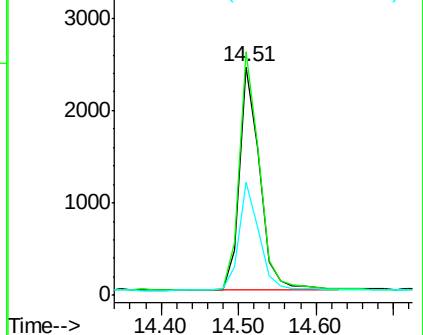
160 49.2 37.1 55.7



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: 0.343 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

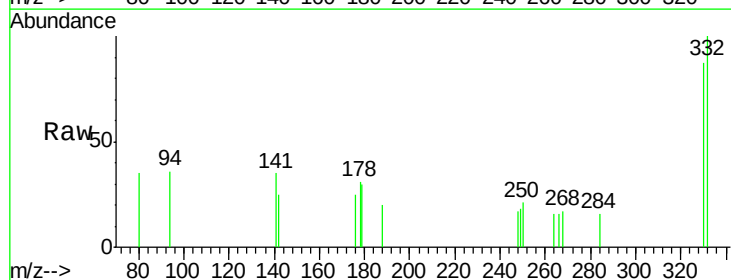
Tgt Ion:330 Resp: 575

Ion Ratio Lower Upper

330 100

332 105.4 152.7 229.1#

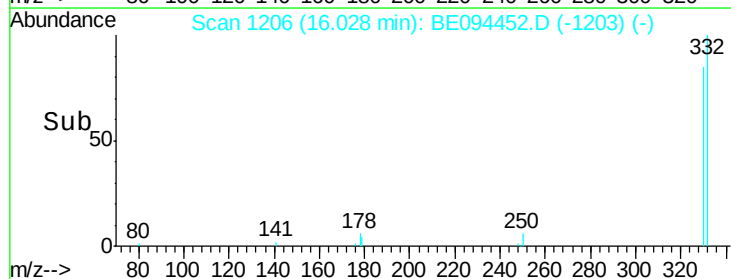
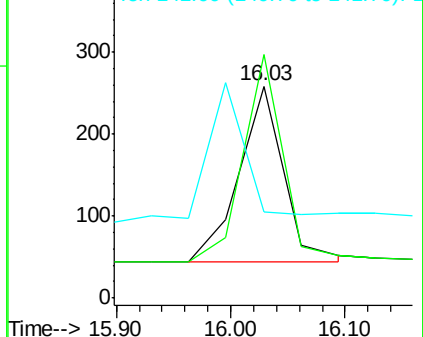
141 0.0 33.7 50.5#

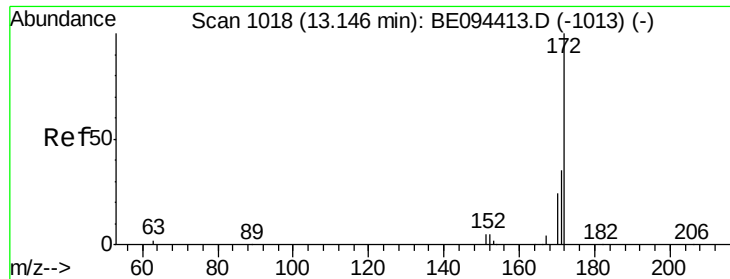


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

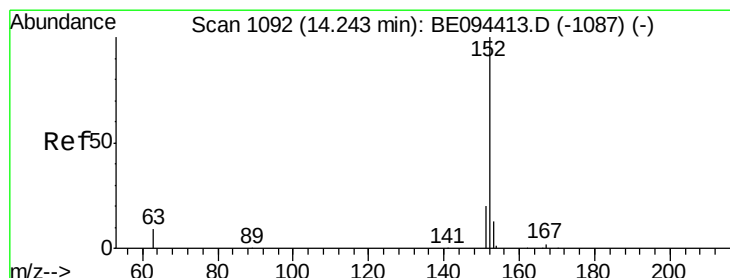
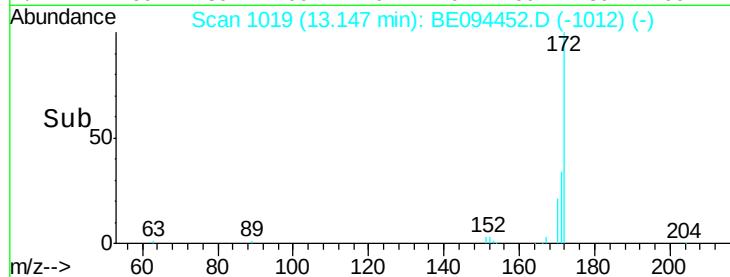
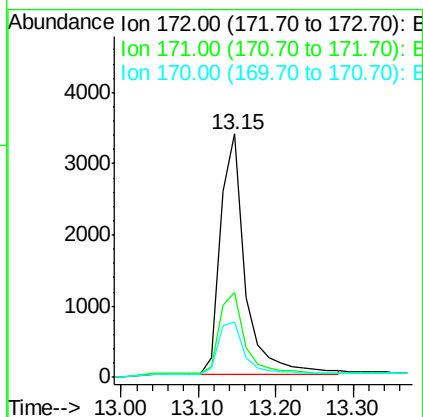
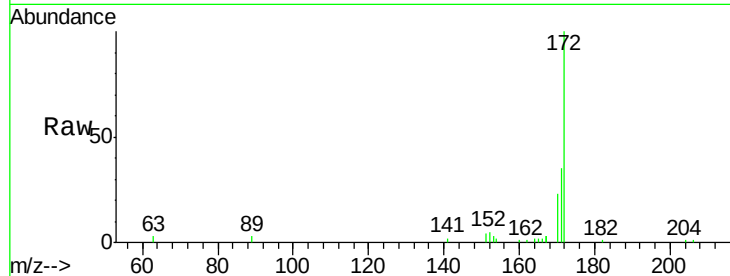




#15  
2-Fluorobiphenyl  
Concen: 0.475 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BE094452.D  
Acq: 19 Oct 2017 17:49

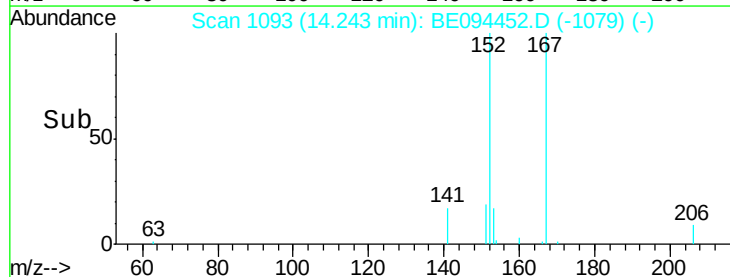
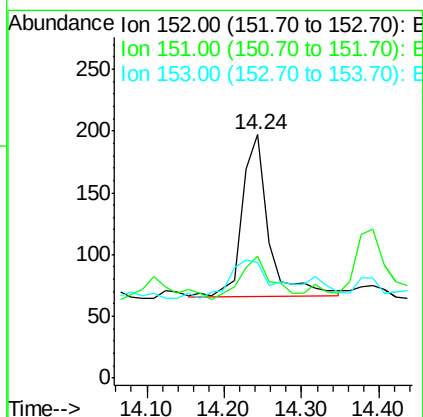
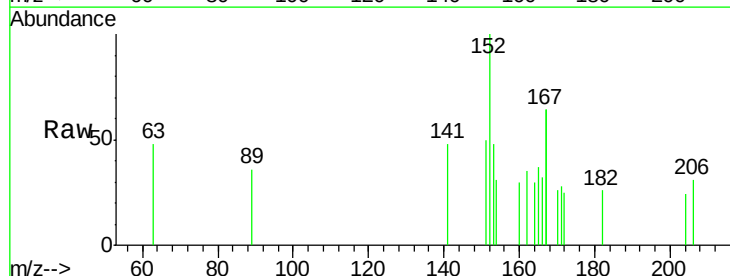
Instrument :  
BNA\_E  
ClientSampleId :  
3906-PP4

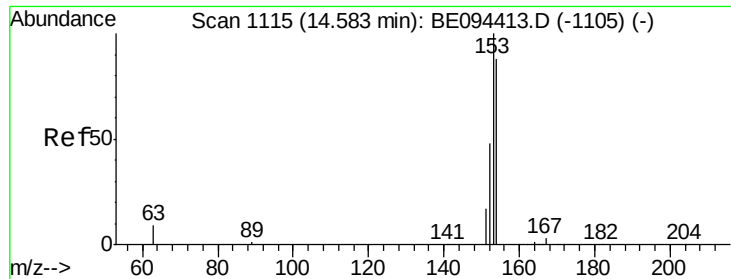
Tgt Ion:172 Resp: 7447  
Ion Ratio Lower Upper  
172 100  
171 35.0 29.9 44.9  
170 22.6 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.013 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE094452.D  
Acq: 19 Oct 2017 17:49

Tgt Ion:152 Resp: 307  
Ion Ratio Lower Upper  
152 100  
151 32.6 15.7 23.5#  
153 38.4 10.5 15.7#





#17

Acenaphthene

Concen: 0.002 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

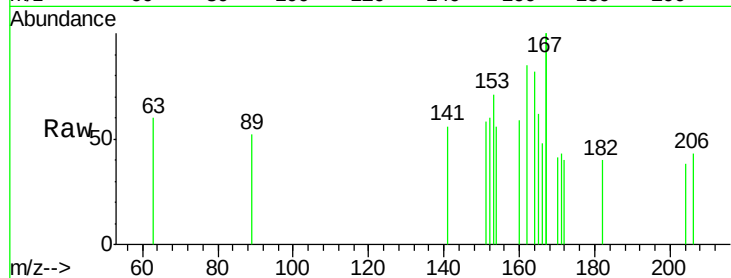
Tgt Ion:154 Resp: 34

Ion Ratio Lower Upper

154 100

153 205.9 89.2 133.8#

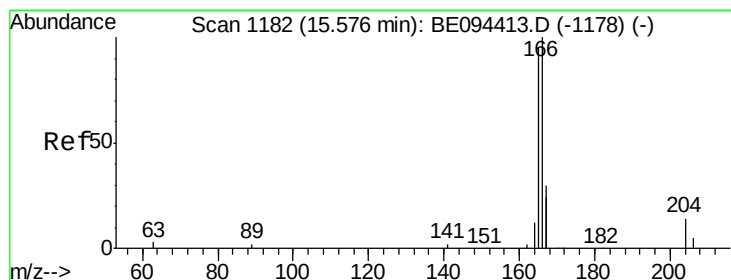
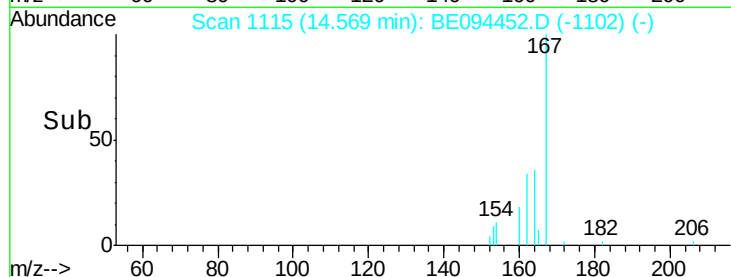
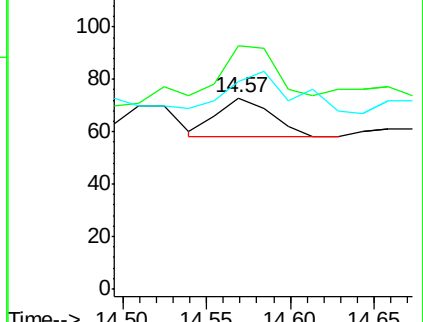
152 135.3 42.0 63.0#



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: 0.004 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

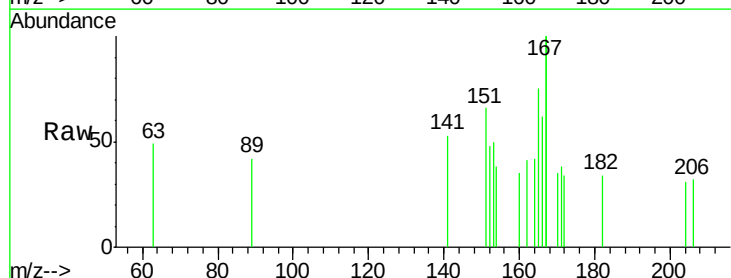
Tgt Ion:166 Resp: 80

Ion Ratio Lower Upper

166 100

165 115.0 77.8 116.6

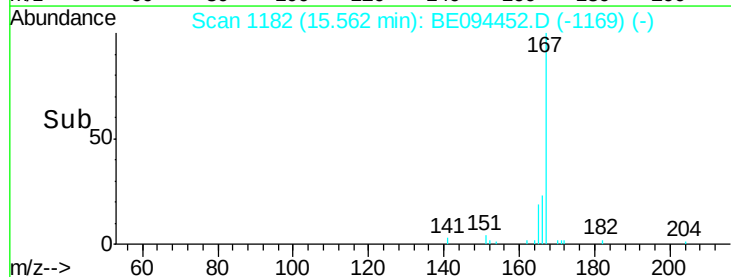
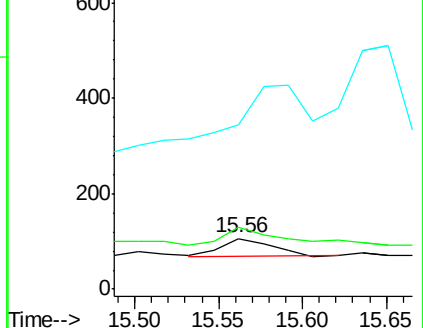
167 0.0 42.4 63.6#

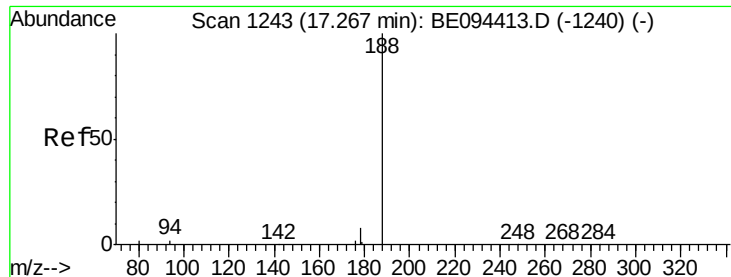


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

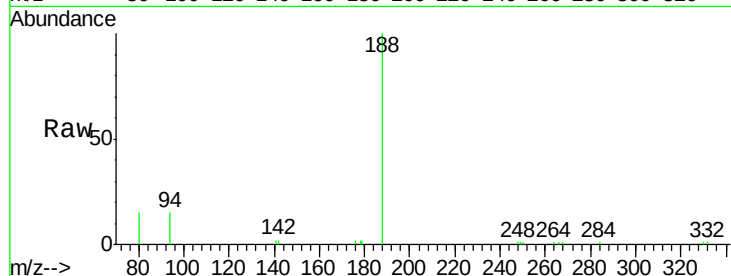
Tgt Ion:188 Resp: 11480

Ion Ratio Lower Upper

188 100

94 14.6 3.9 5.9#

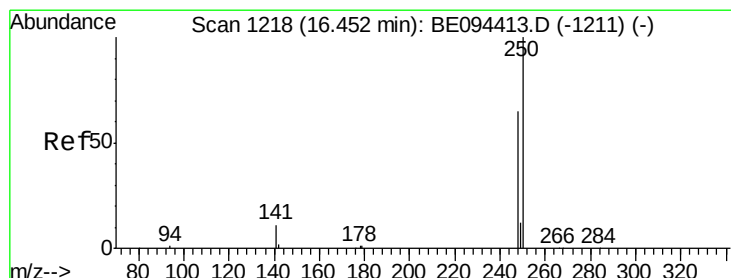
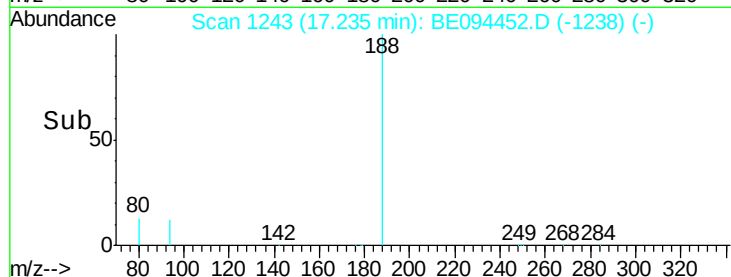
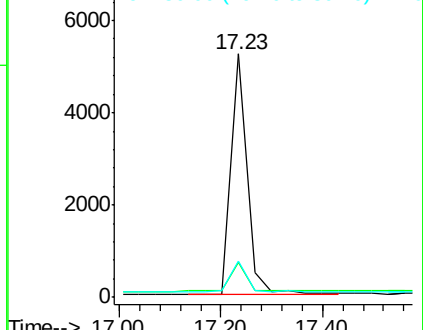
80 14.9 3.6 5.4#



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: 0.005 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

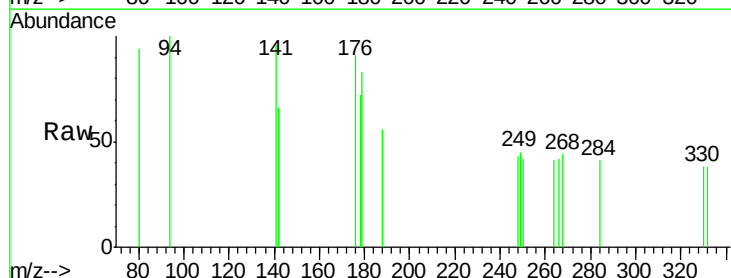
Tgt Ion:248 Resp: 27

Ion Ratio Lower Upper

248 100

250 98.0 62.7 94.1#

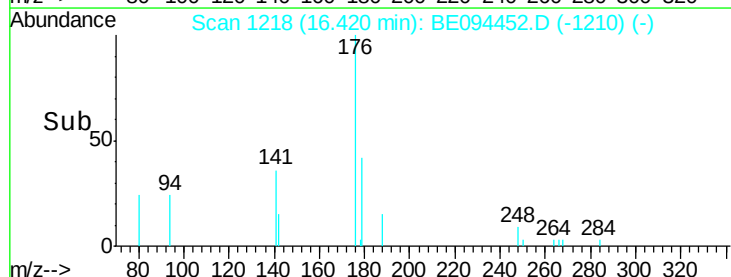
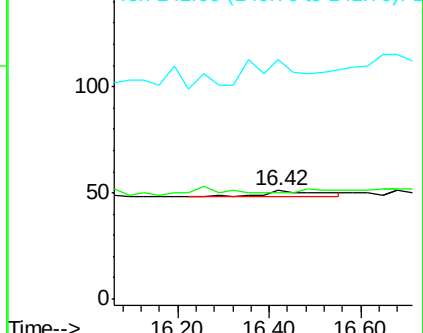
141 221.6 48.2 72.2#

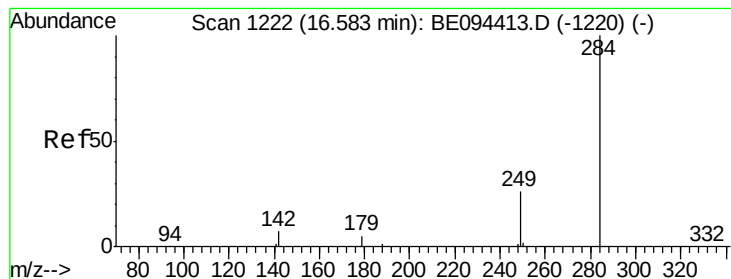


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

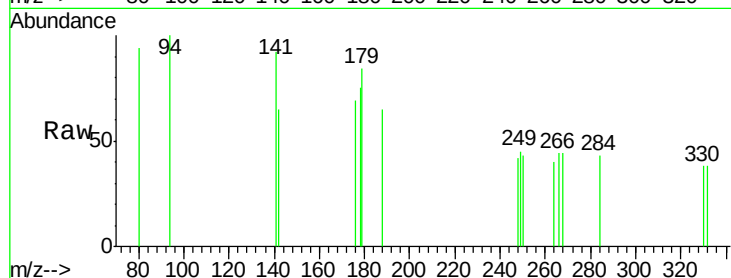
Tgt Ion:284 Resp: 12

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

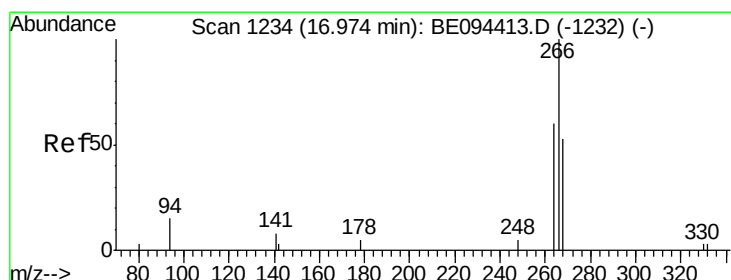
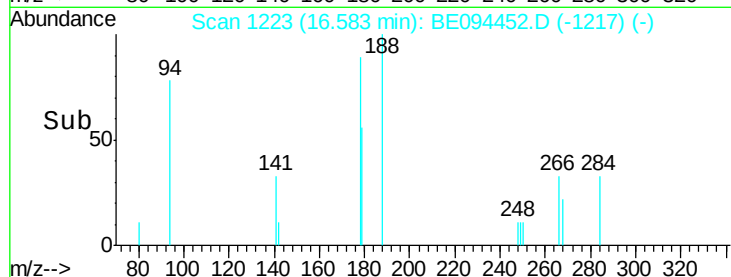
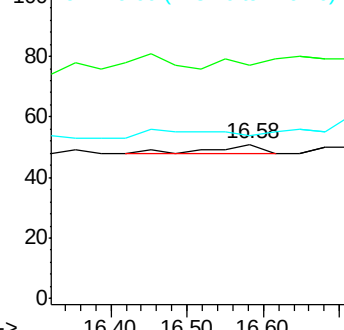
249 0.0 34.8 52.2#



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: 0.168 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

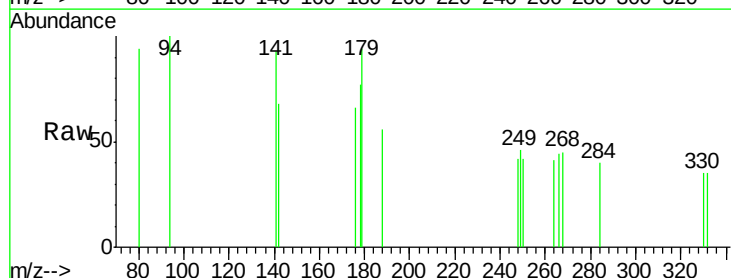
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 92.9 72.5 108.7

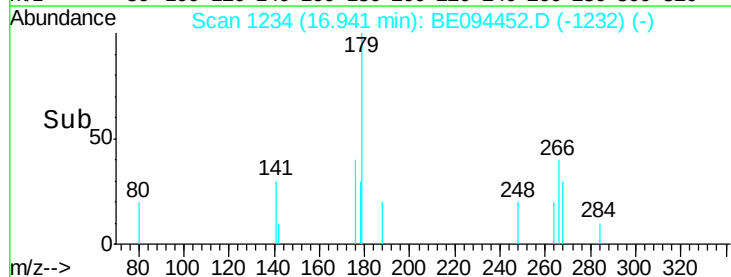
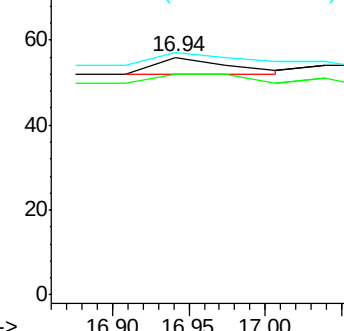
268 101.8 73.8 110.6

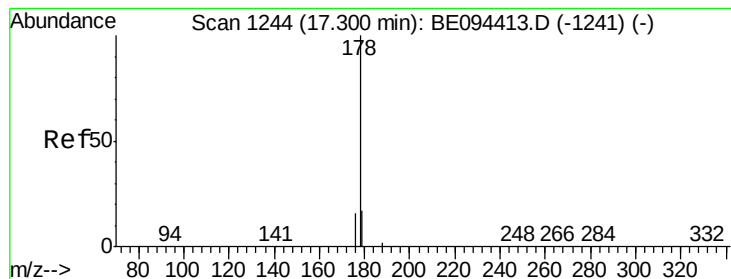


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.022 ng

RT: 17.36 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

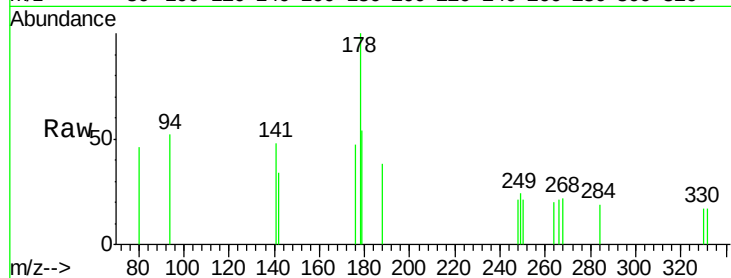
Tgt Ion:178 Resp: 976

Ion Ratio Lower Upper

178 100

176 33.9 15.1 22.7#

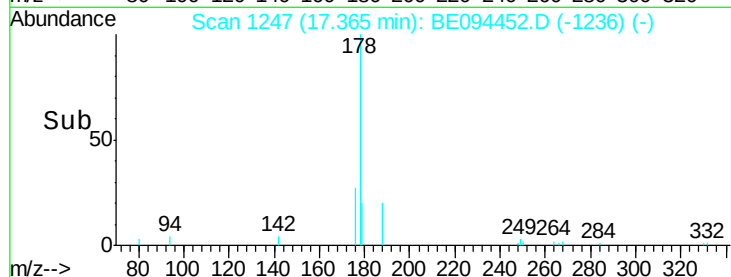
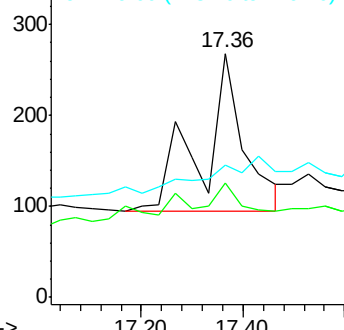
179 0.0 11.8 17.6#



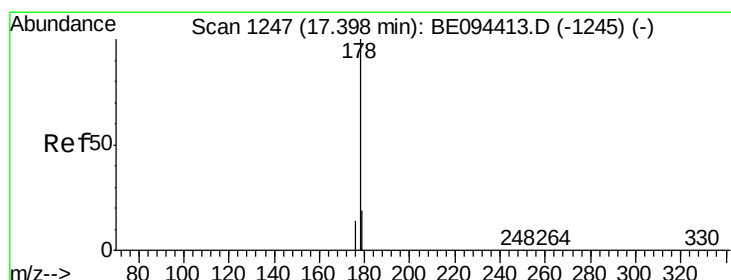
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.030 ng

RT: 17.36 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

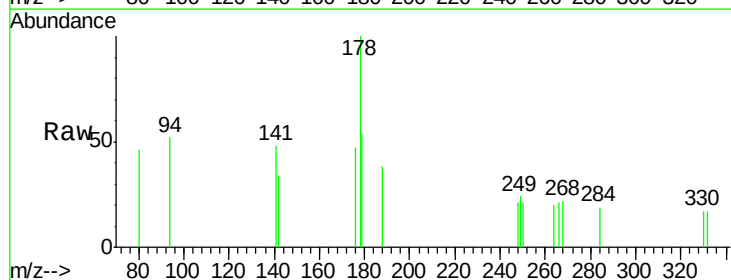
Tgt Ion:178 Resp: 1033

Ion Ratio Lower Upper

178 100

176 29.7 12.8 19.2#

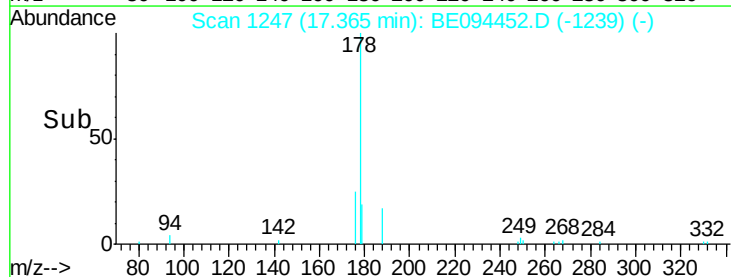
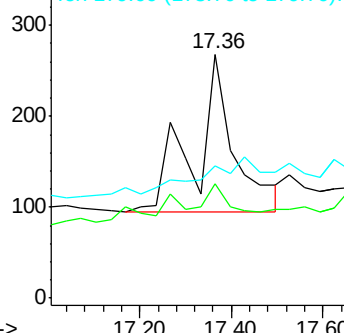
179 0.0 13.0 19.6#



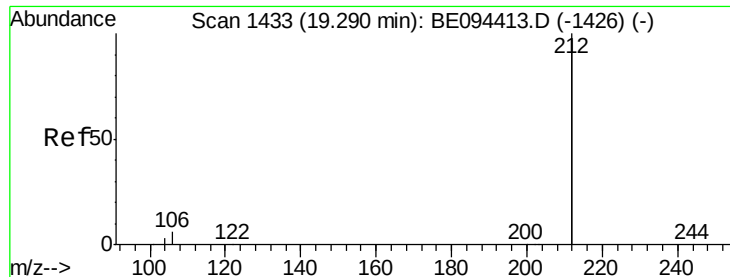
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



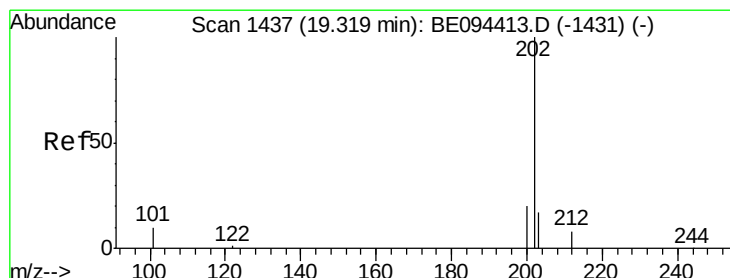
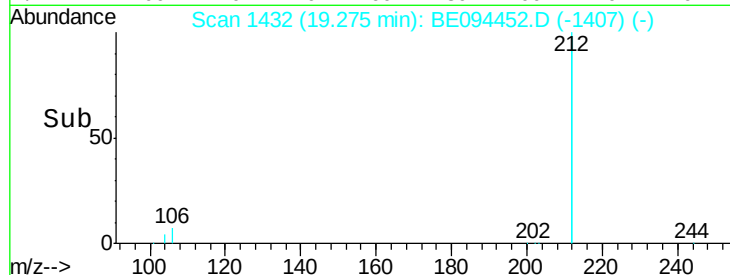
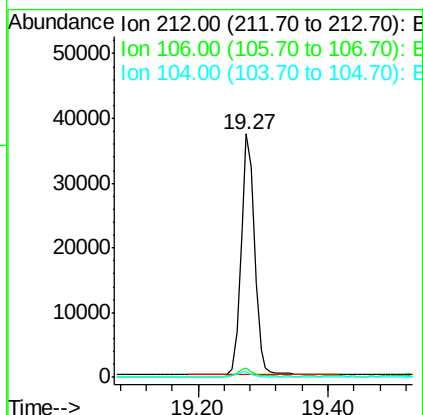
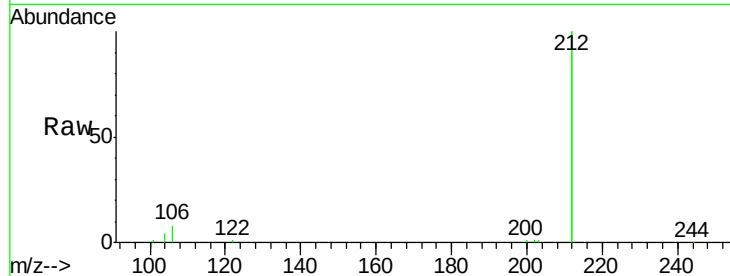
Time-->



#25  
 Fluoranthene-d10  
 Concen: 0.290 ng  
 RT: 19.27 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

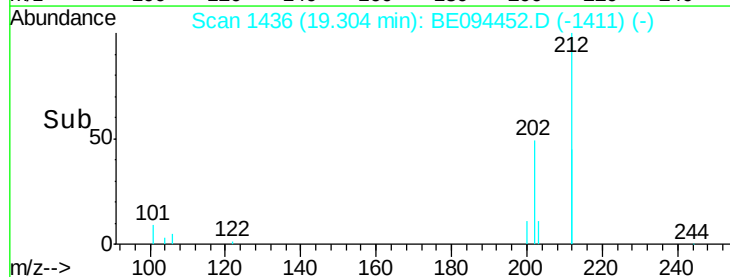
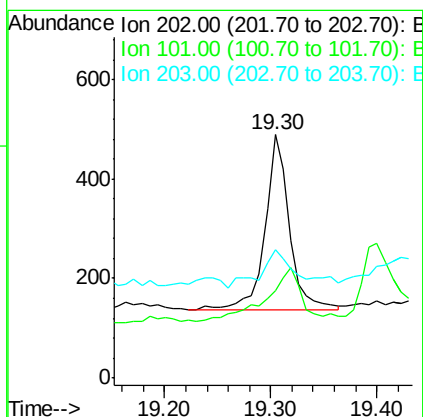
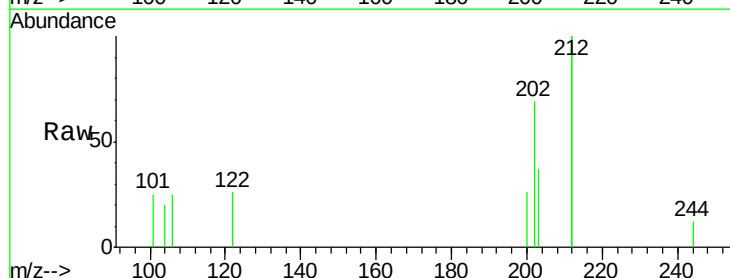
Instrument :  
 BNA\_E  
 ClientSampleId :  
 3906-PP4

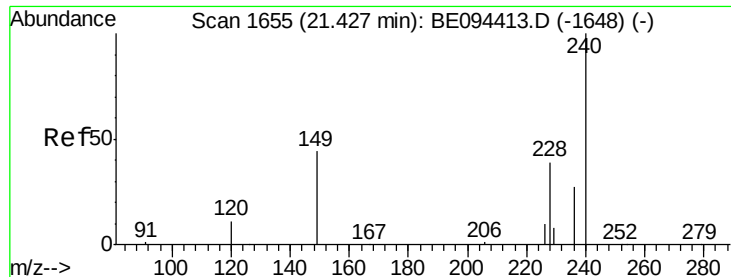
Tgt Ion: 212 Resp: 53564  
 Ion Ratio Lower Upper  
 212 100  
 106 3.5 2.8 4.2  
 104 2.0 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.010 ng  
 RT: 19.30 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BE094452.D  
 Acq: 19 Oct 2017 17:49

Tgt Ion: 202 Resp: 567  
 Ion Ratio Lower Upper  
 202 100  
 101 44.4 9.8 14.8#  
 203 27.0 13.7 20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

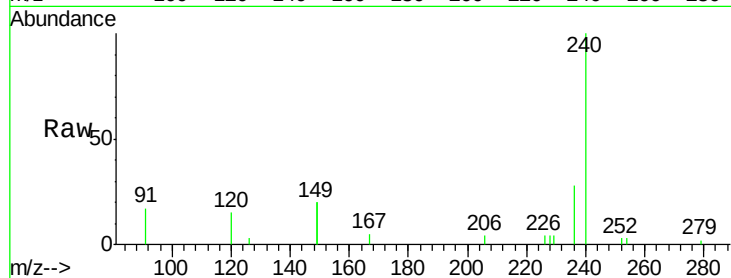
Tgt Ion:240 Resp: 10244

Ion Ratio Lower Upper

240 100

120 15.0 5.5 8.3#

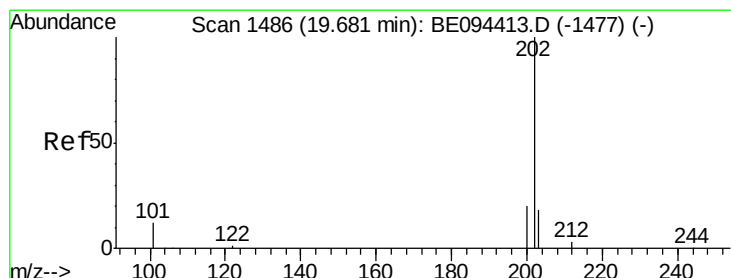
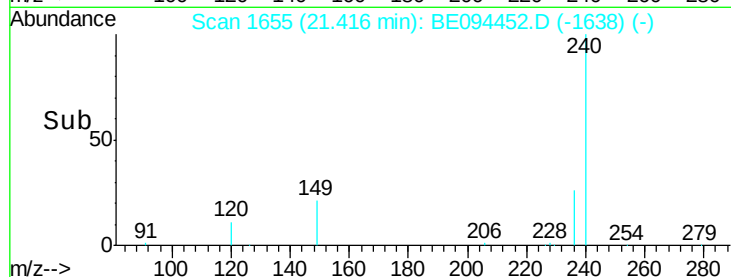
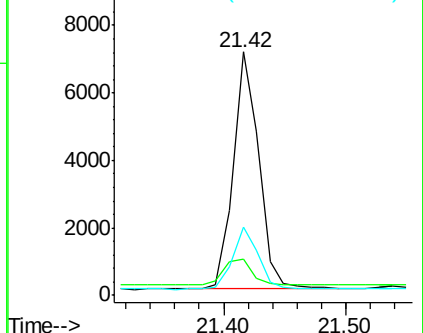
236 28.3 20.7 31.1



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: 0.014 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

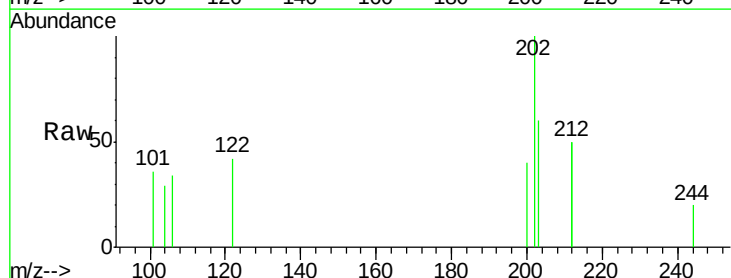
Tgt Ion:202 Resp: 529

Ion Ratio Lower Upper

202 100

200 29.5 16.6 25.0#

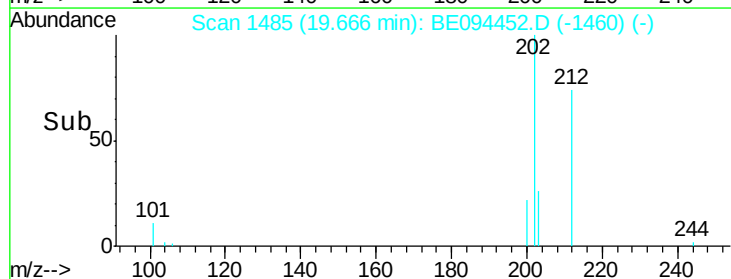
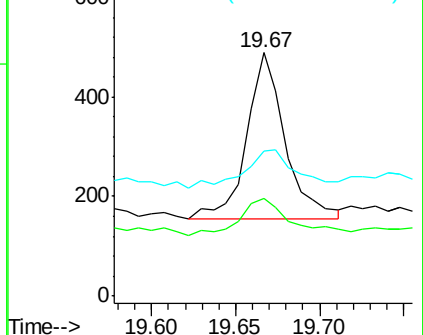
203 32.5 13.8 20.8#



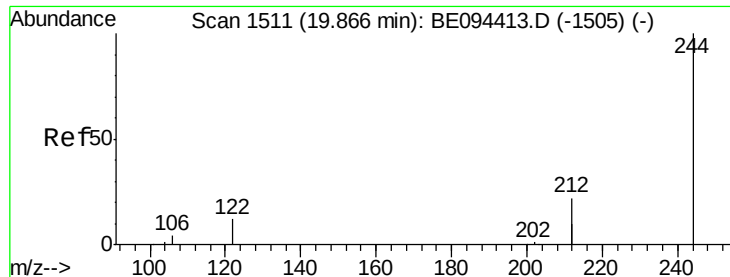
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.732 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

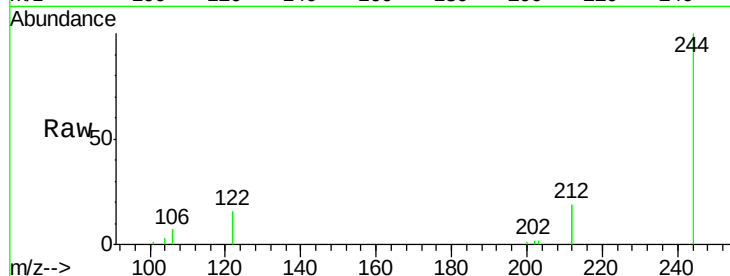
Tgt Ion:244 Resp: 15130

Ion Ratio Lower Upper

244 100

212 38.1 25.4 38.0#

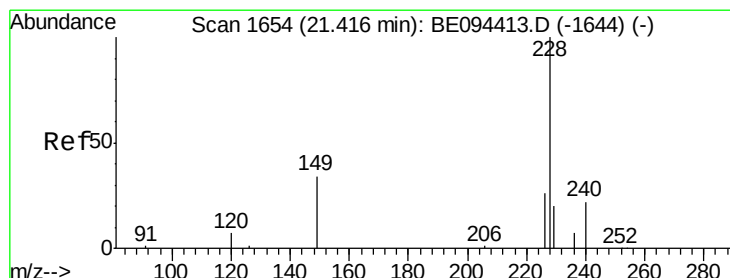
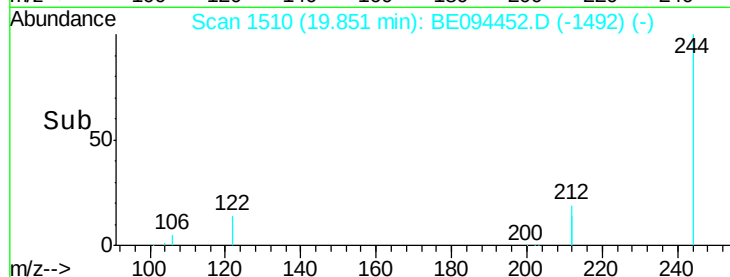
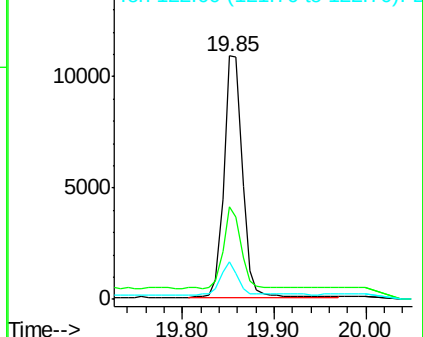
122 15.5 8.1 12.1#



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: 0.011 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

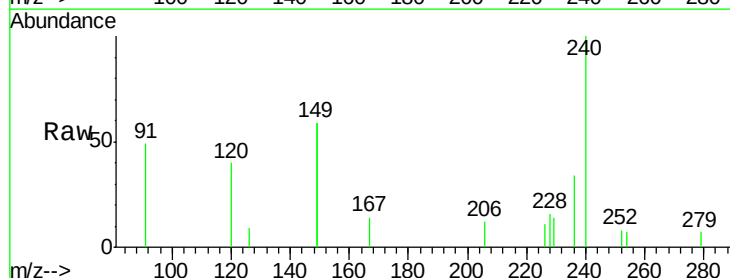
Tgt Ion:228 Resp: 393

Ion Ratio Lower Upper

228 100

226 69.2 40.0 60.0#

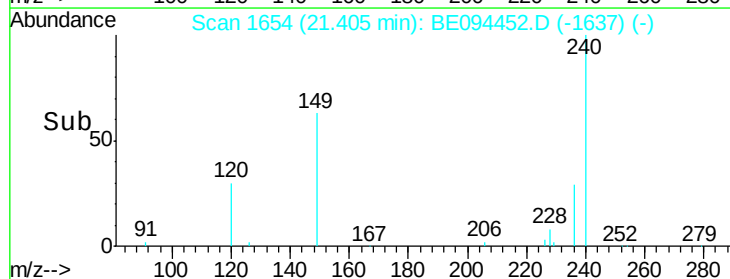
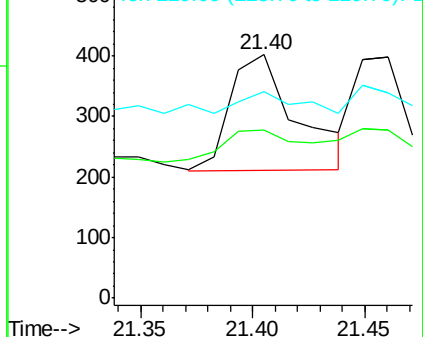
229 84.8 40.0 60.0#

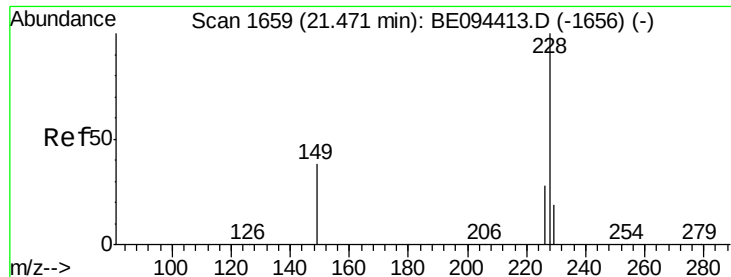


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.008 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

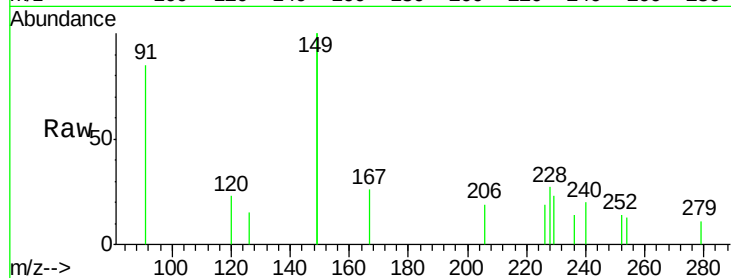
Tgt Ion: 228 Resp: 284

Ion Ratio Lower Upper

228 100

226 69.6 40.0 60.0#

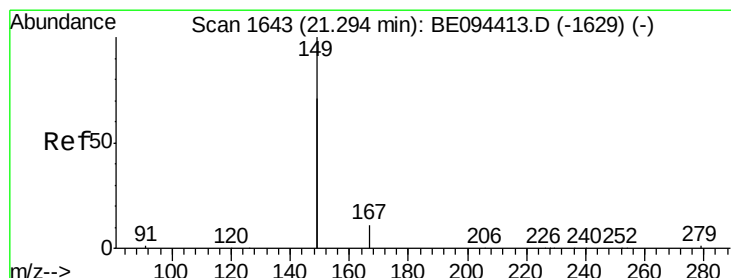
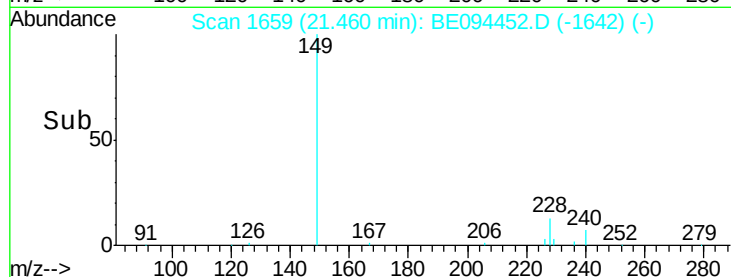
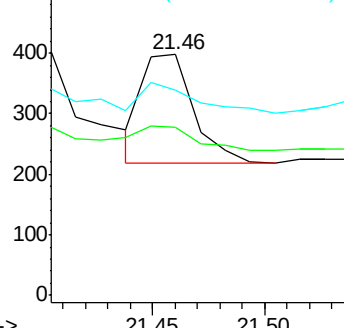
229 85.2 40.0 60.0#



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: 0.098 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

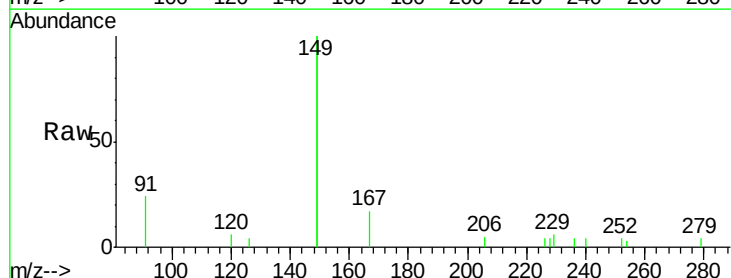
Tgt Ion: 149 Resp: 10050

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

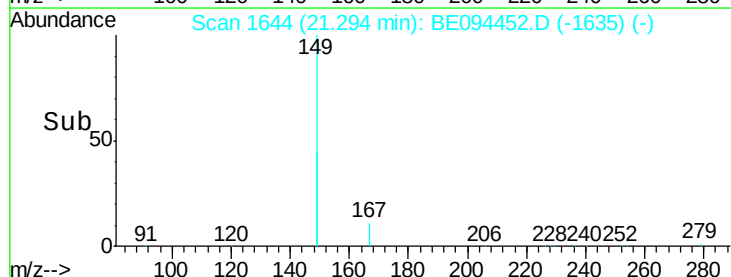
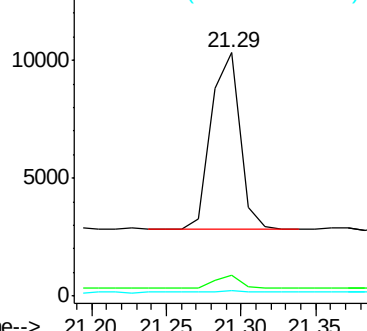
279 1.0 0.7 1.1

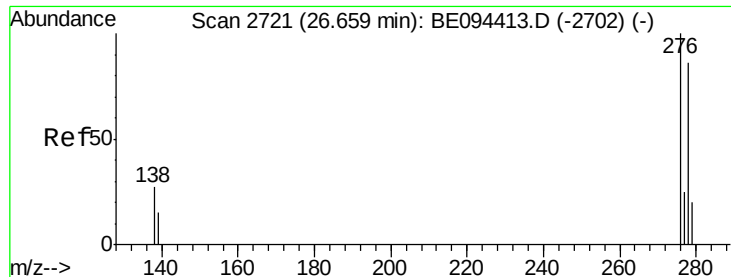


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.010 ng

RT: 26.62 min Scan# 2714

Delta R.T. -0.04 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

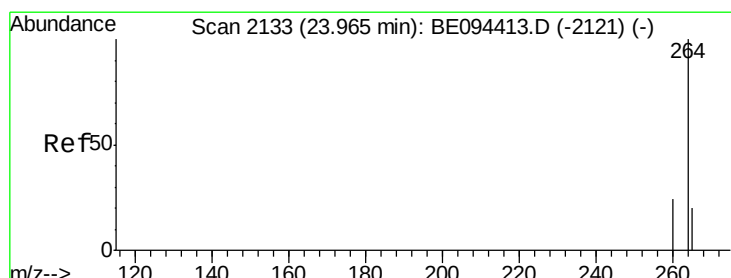
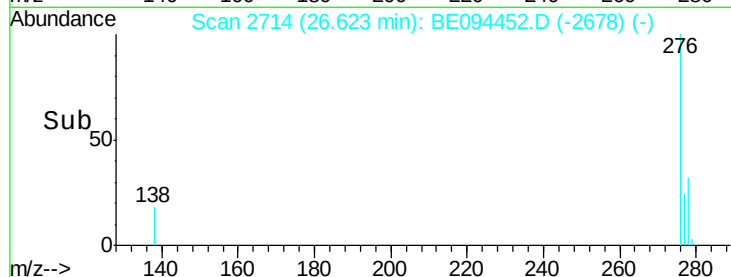
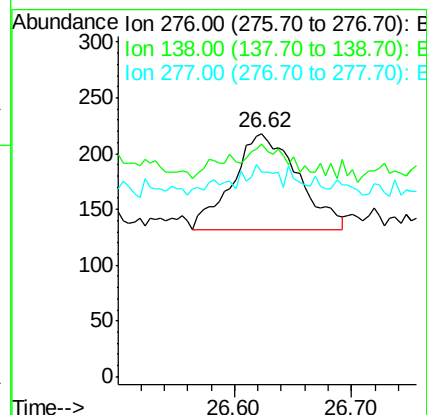
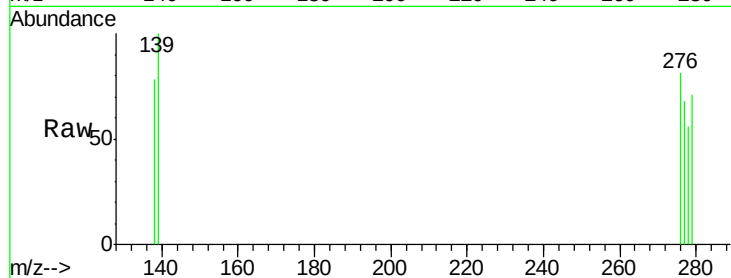
Tgt Ion:276 Resp: 334

Ion Ratio Lower Upper

276 100

138 18.3 22.5 33.7#

277 12.6 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

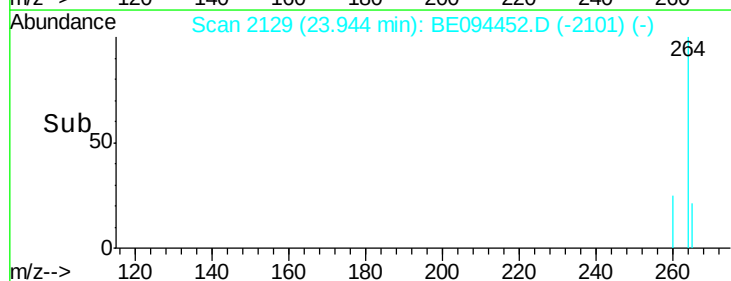
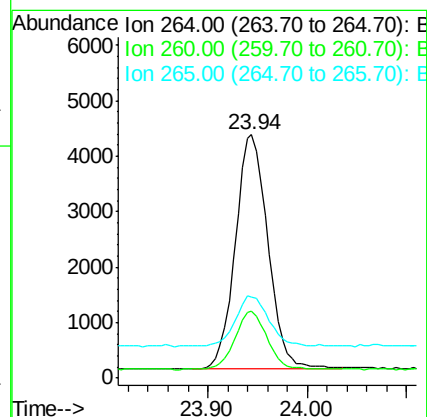
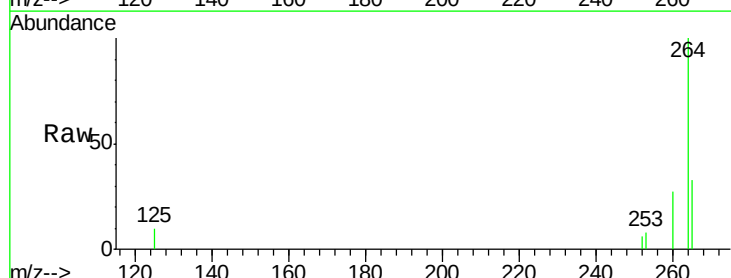
Tgt Ion:264 Resp: 9623

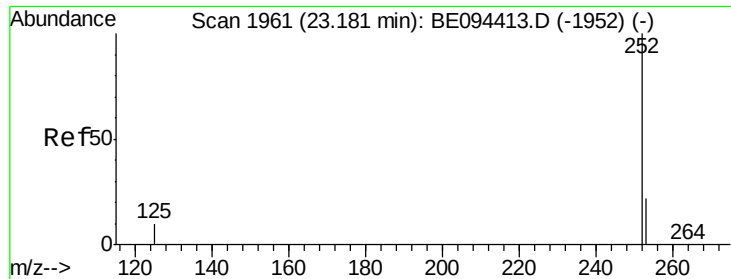
Ion Ratio Lower Upper

264 100

260 27.4 20.5 30.7

265 33.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.016 ng

RT: 23.17 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4

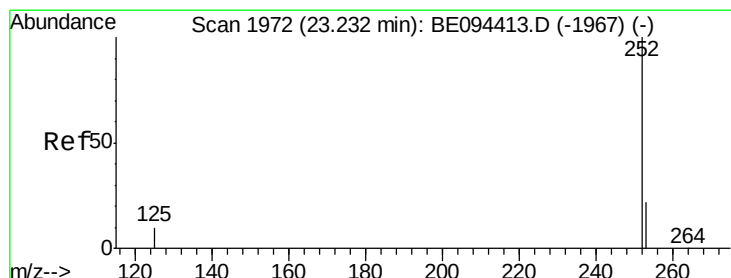
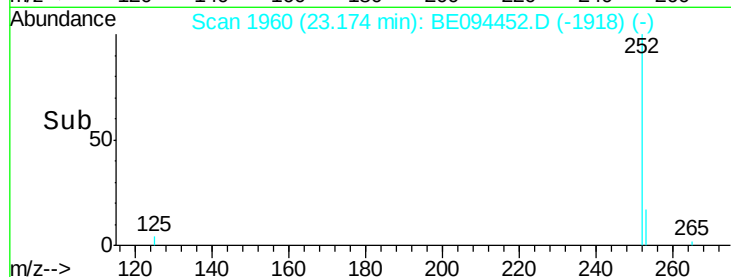
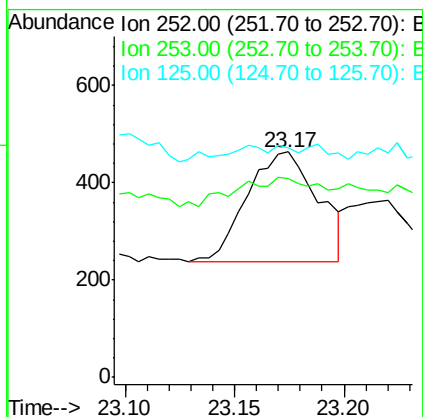
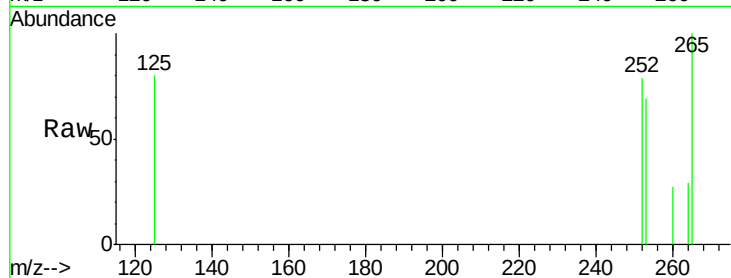
Tgt Ion:252 Resp: 507

Ion Ratio Lower Upper

252 100

253 88.1 48.0 72.0#

125 101.7 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.016 ng

RT: 23.17 min Scan# 1960

Delta R.T. -0.06 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

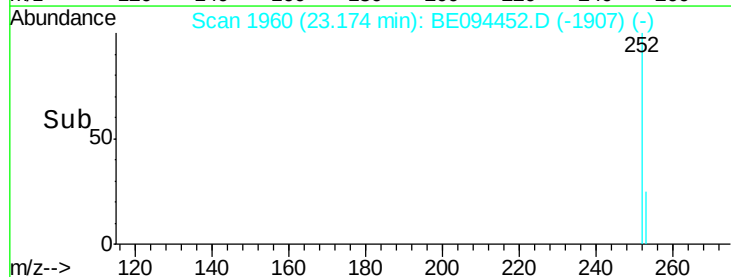
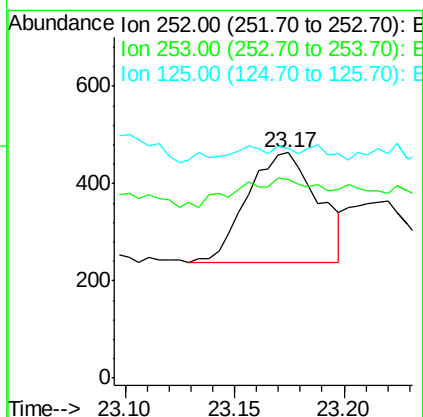
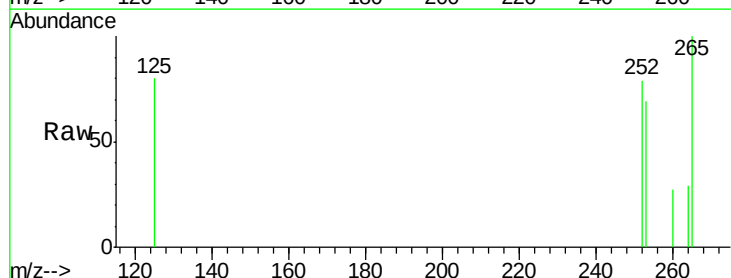
Tgt Ion:252 Resp: 507

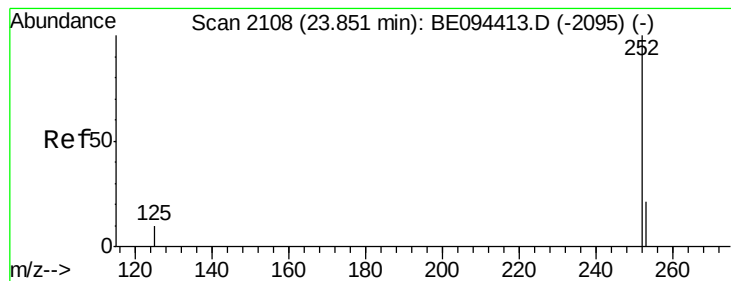
Ion Ratio Lower Upper

252 100

253 88.1 48.0 72.0#

125 101.7 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.008 ng

RT: 23.83 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BE094452.D

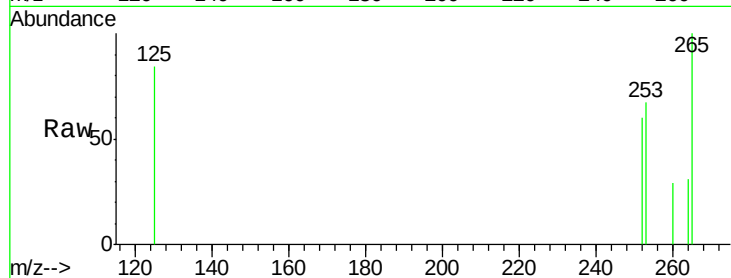
Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4



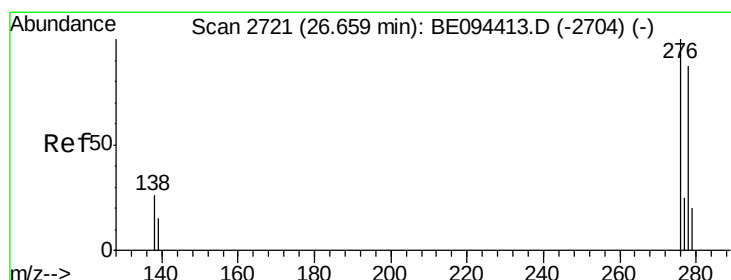
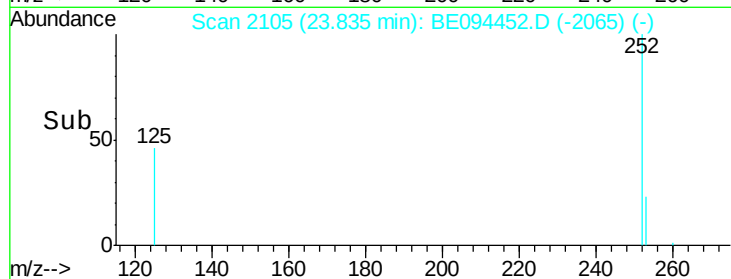
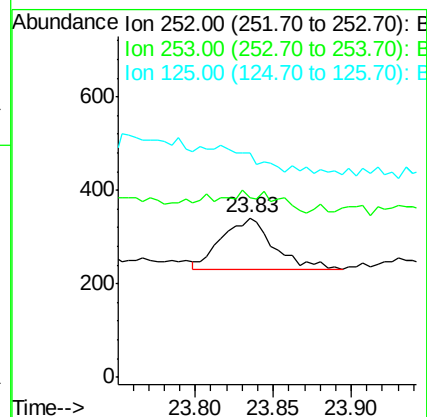
Tgt Ion: 252 Resp: 253

Ion Ratio Lower Upper

252 100

253 112.6 52.0 78.0#

125 140.5 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094452.D

Acq: 19 Oct 2017 17:49

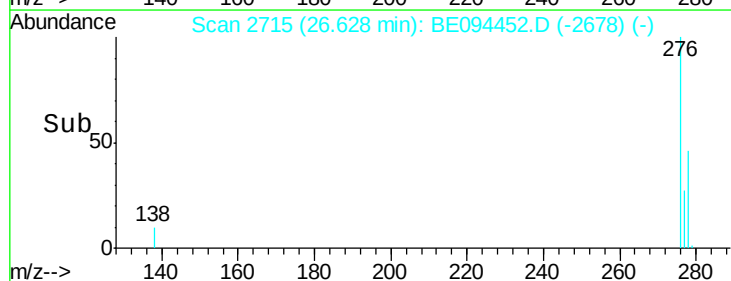
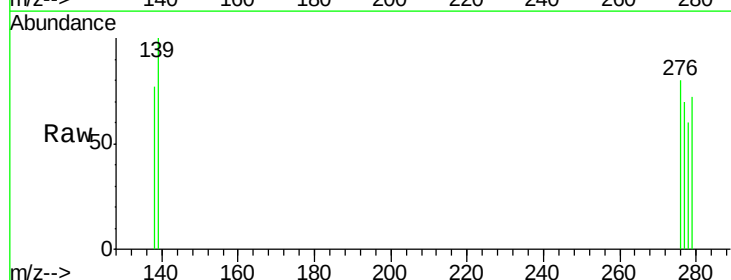
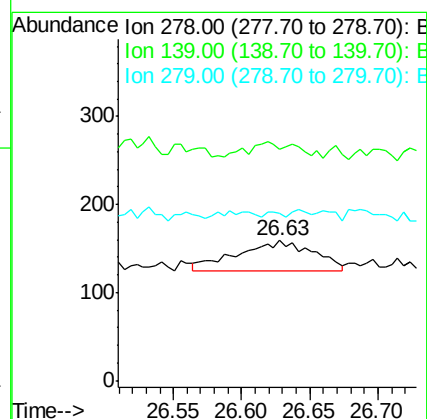
Tgt Ion: 278 Resp: 132

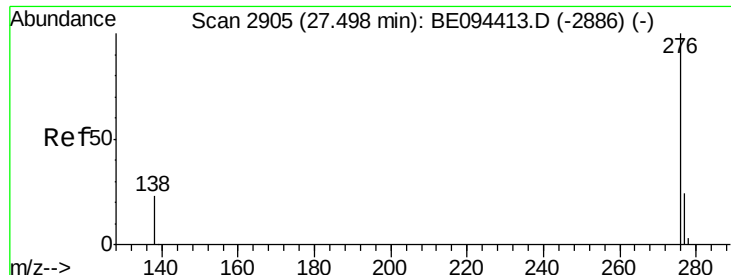
Ion Ratio Lower Upper

278 100

139 165.4 56.0 84.0#

279 119.5 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 0.013 ng

RT: 27.46 min Scan# 2897

Delta R.T. -0.04 min

Lab File: BE094452.D

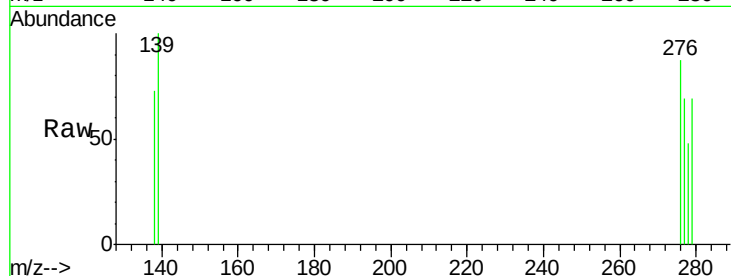
Acq: 19 Oct 2017 17:49

Instrument :

BNA\_E

ClientSampleId :

3906-PP4



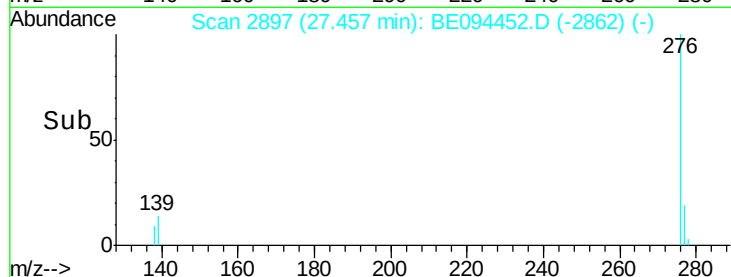
Tgt Ion: 276 Resp: 368

Ion Ratio Lower Upper

276 100

277 79.3 52.0 78.0#

138 83.2 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

