

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE100717\  
 Data File : BE094203.D  
 Acq On : 7 Oct 2017 15:24  
 Operator : SJ/JU  
 Sample : I5735-04DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B0AE3DL

Quant Time: Oct 08 01:31:22 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 01:38:22 2017  
 Response via : Initial Calibration

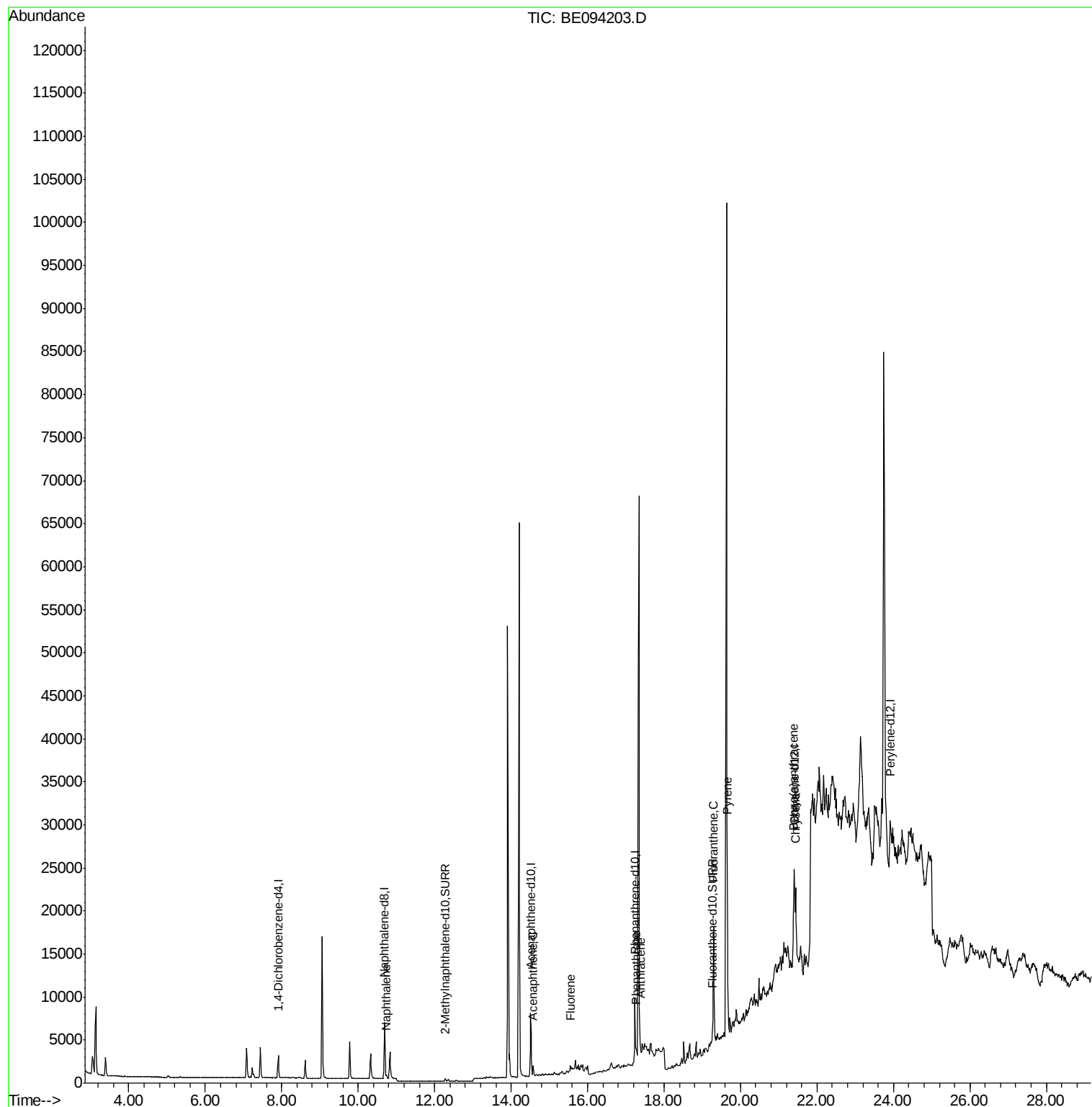
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1399     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.69 | 136  | 7491     | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.51 | 164  | 4246     | 0.40 | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.24 | 188  | 9224     | 0.40 | ng/ul  | -0.03    |
| 16) Chrysene-d12            | 21.40 | 240  | 8330     | 0.40 | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.91 | 264  | 8144     | 0.40 | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 529      | 0.05 | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.26 | 212  | 1207     | 0.04 | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.74 | 128  | 627      | 0.03 | ng/ul# | 79       |
| 8) Acenaphthene             | 14.57 | 153  | 735      | 0.05 | ng/ul  | 97       |
| 9) Fluorene                 | 15.56 | 166  | 644      | 0.04 | ng/ul# | 73       |
| 12) Phenanthrene            | 17.27 | 178  | 2547     | 0.11 | ng/ul# | 56       |
| 13) Anthracene              | 17.38 | 178  | 2741     | 0.12 | ng/ul# | 59       |
| 15) Fluoranthene            | 19.30 | 202  | 15831    | 0.50 | ng/ul  | 87       |
| 17) Pyrene                  | 19.66 | 202  | 21461    | 0.93 | ng/ul# | 86       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 6809     | 0.31 | ng/ul# | 51       |
| 19) Chrysene                | 21.44 | 228  | 9431     | 0.37 | ng/ul# | 54       |

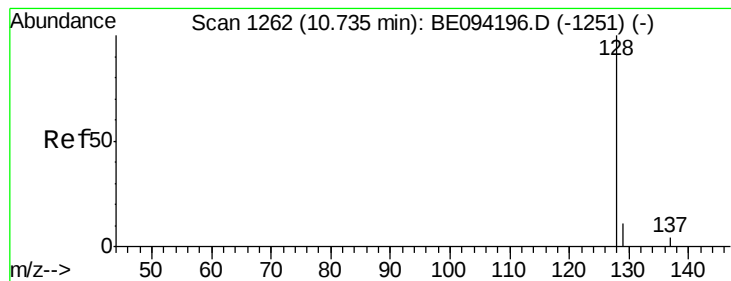
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA\_E

ClientSampleId :

B0AE3DL

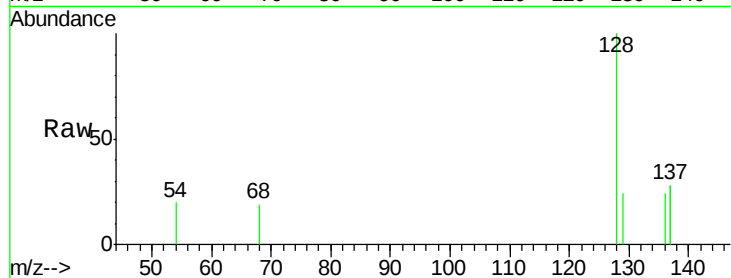
Tgt Ion:128 Resp: 627

Ion Ratio Lower Upper

128 100

129 23.6 11.3 16.9#

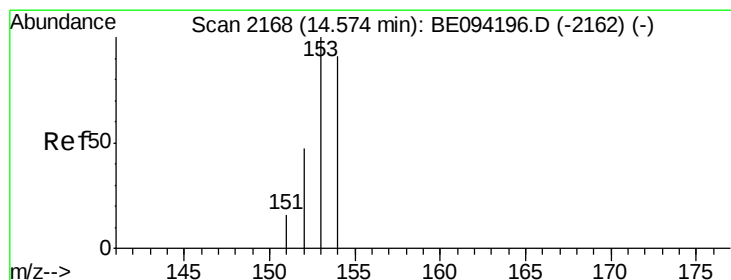
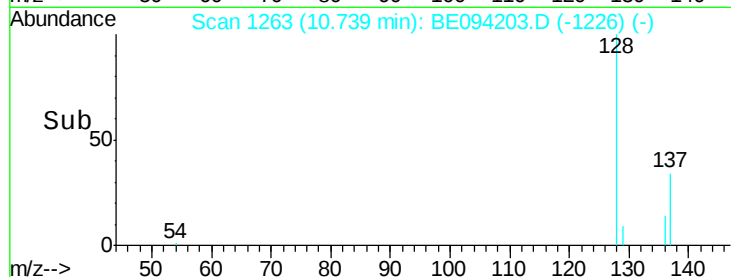
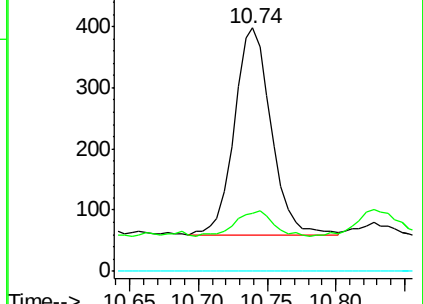
127 0.0 4.0 6.0#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

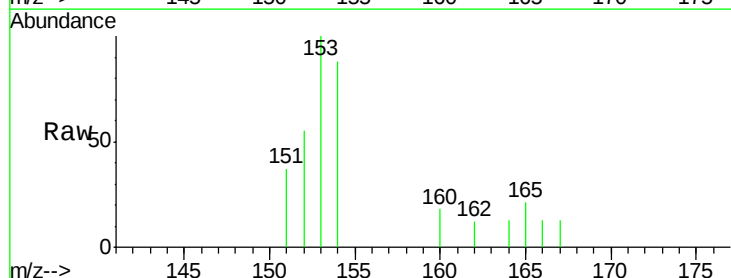
Tgt Ion:153 Resp: 735

Ion Ratio Lower Upper

153 100

152 55.1 40.3 60.5

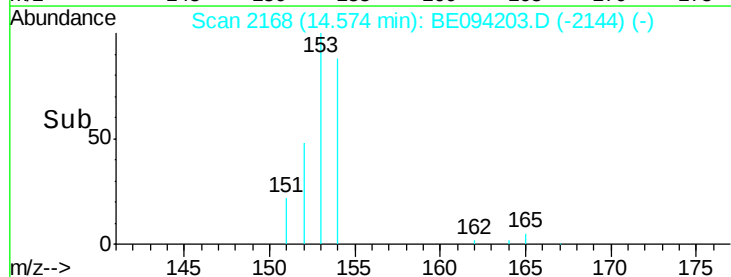
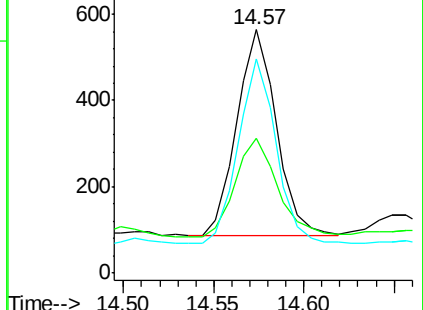
154 88.1 71.4 107.2

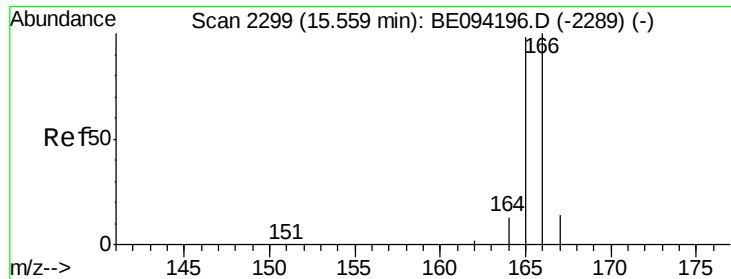


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA\_E

ClientSampleId :

B0AE3DL

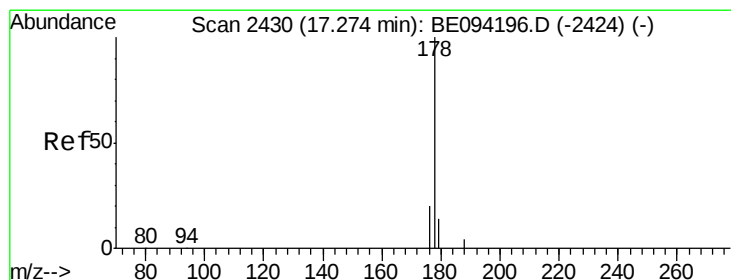
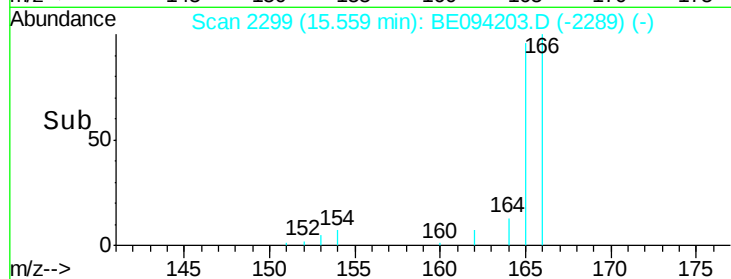
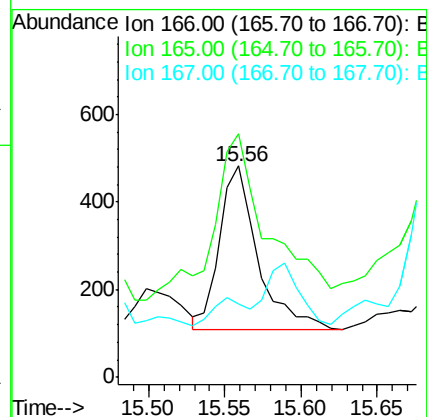
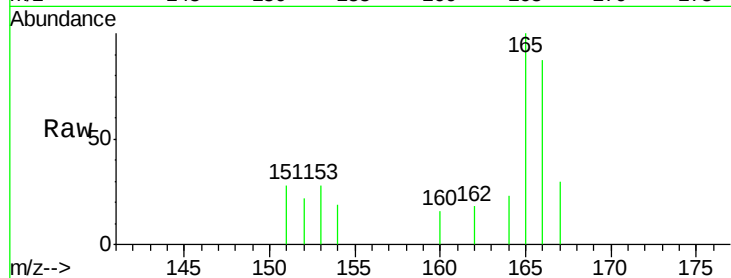
Tgt Ion:166 Resp: 644

Ion Ratio Lower Upper

166 100

165 115.4 73.4 110.2#

167 34.4 14.6 22.0#



#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.03 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

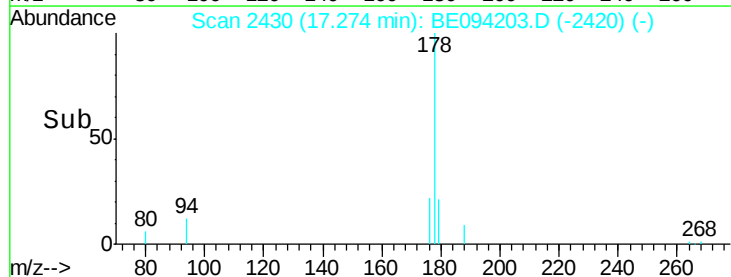
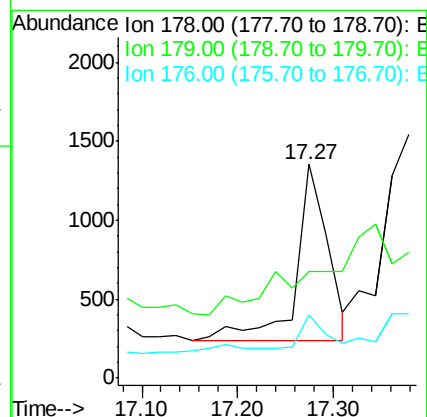
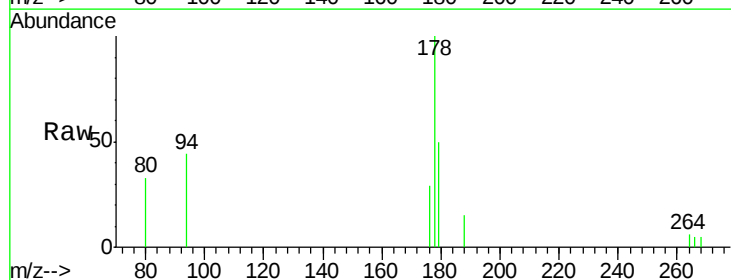
Tgt Ion:178 Resp: 2547

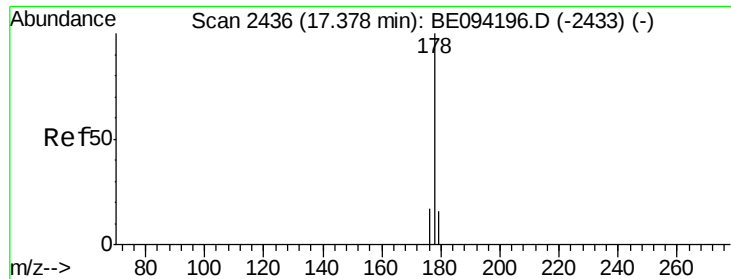
Ion Ratio Lower Upper

178 100

179 50.0 18.4 27.6#

176 29.4 13.6 20.4#





#13

Anthracene

Concen: 0.12 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

BNA\_E

ClientSampleId :

B0AE3DL

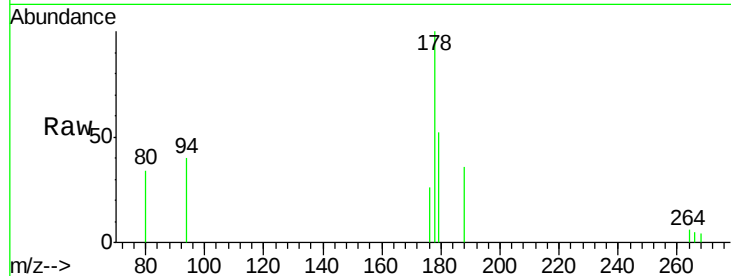
Tgt Ion:178 Resp: 2741

Ion Ratio Lower Upper

178 100

179 51.8 18.1 27.1#

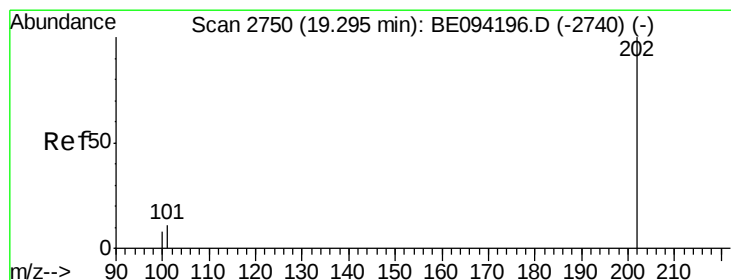
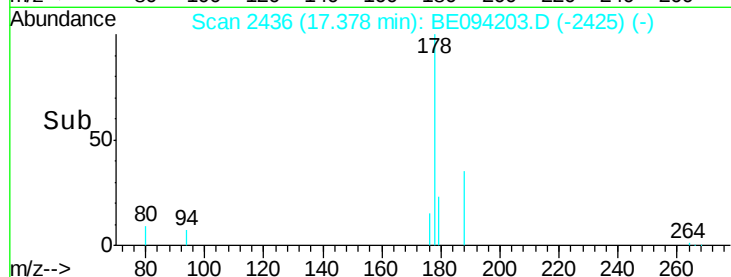
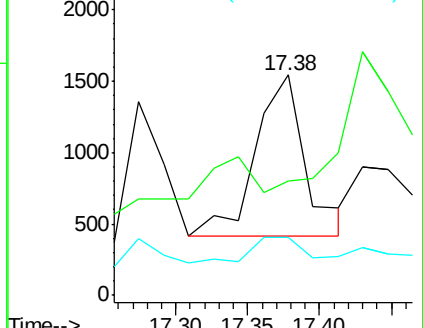
176 26.3 14.7 22.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.50 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

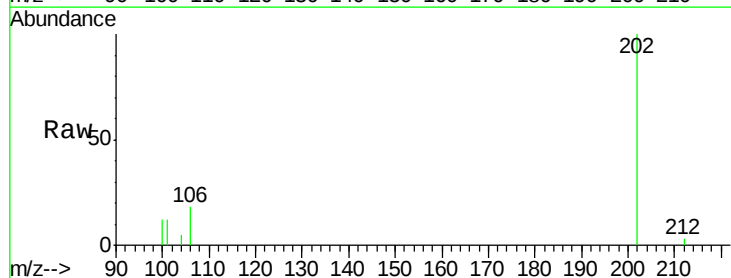
Tgt Ion:202 Resp: 15831

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

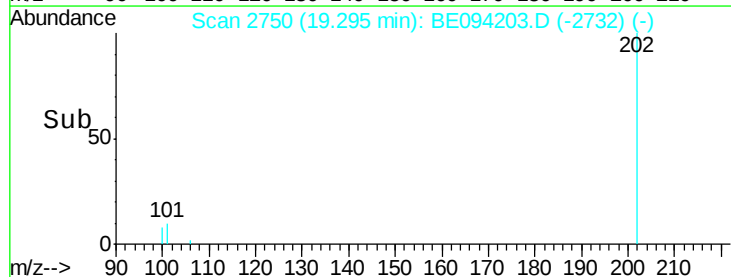
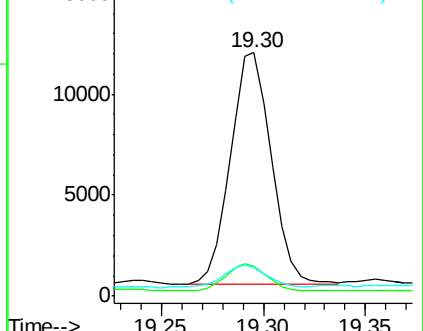
100 11.7 0.0 39.5

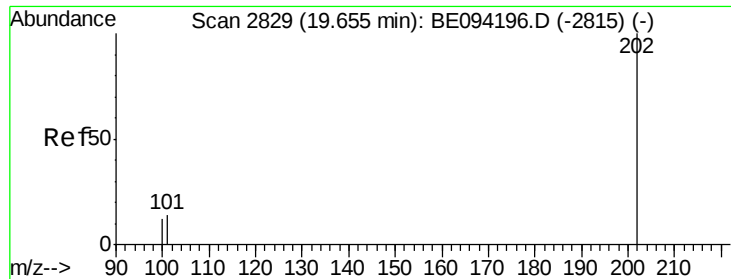


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.93 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

Instrument :

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ClientSampleId :

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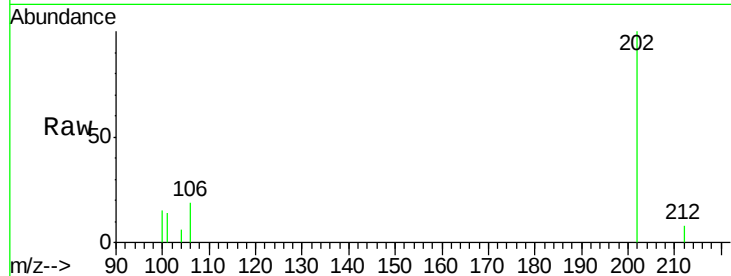
Tgt Ion:202 Resp: 21461

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

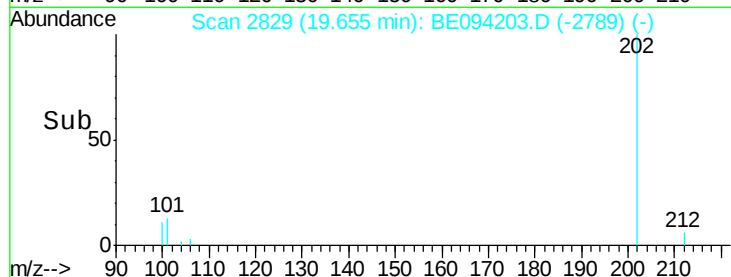
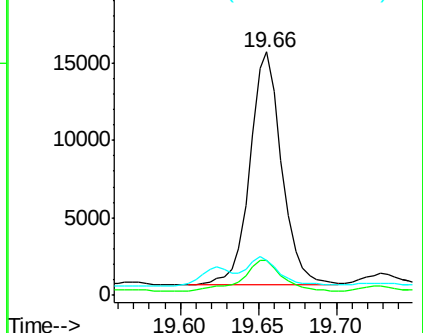
100 14.6 15.6 23.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 0.31 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE094203.D

Acq: 7 Oct 2017 15:24

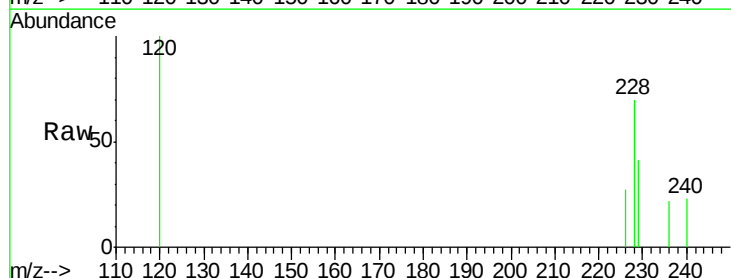
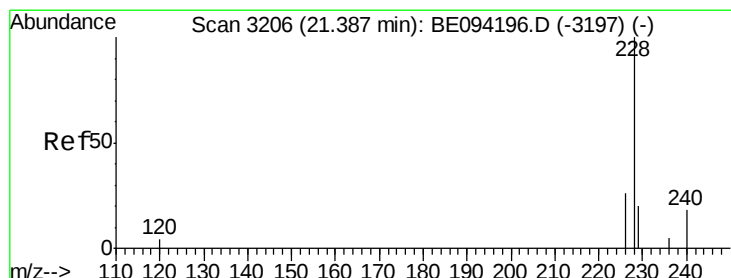
Tgt Ion:228 Resp: 6809

Ion Ratio Lower Upper

228 100

229 58.8 22.8 34.2#

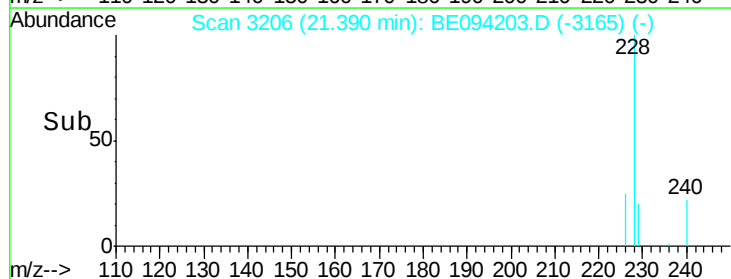
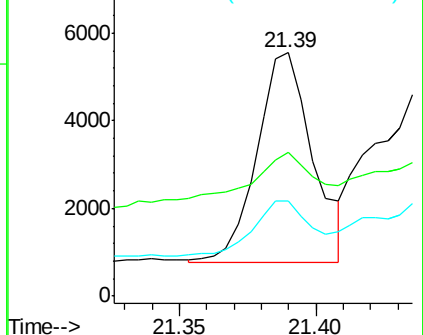
226 39.0 17.0 25.6#

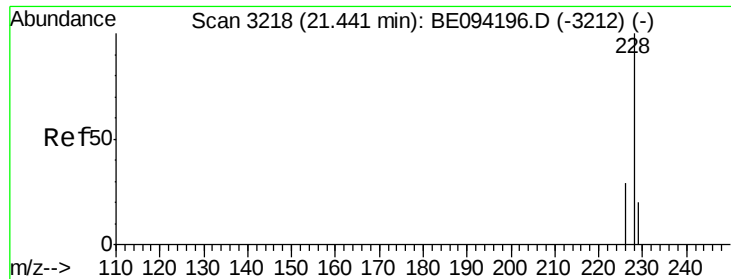


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.44 min Scan# 3217

Delta R.T. -0.01 min

Lab File: BE094203.D

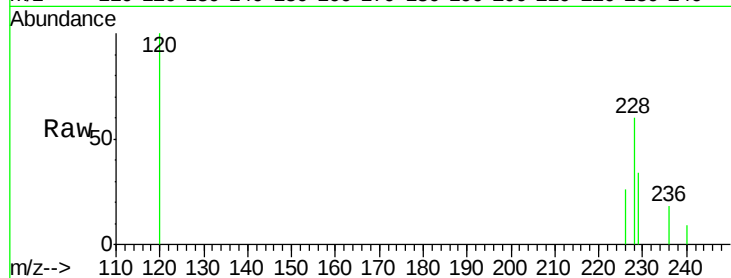
Acq: 7 Oct 2017 15:24

Instrument :

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ClientSampleId :

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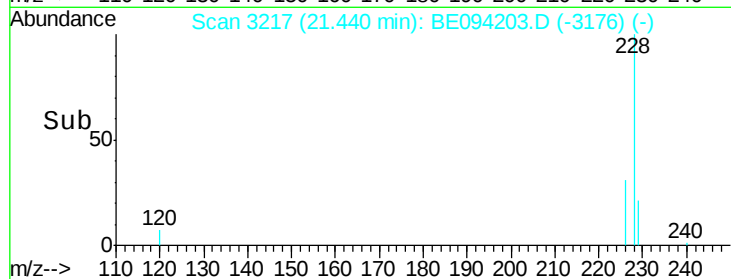
Tgt Ion: 228 Resp: 9431

Ion Ratio Lower Upper

228 100

226 42.7 23.4 35.0#

229 57.0 17.7 26.5#



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

