

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\  
 Data File : BE095311.D  
 Acq On : 31 Jan 2018 11:24  
 Operator : SJ/JU  
 Sample : J1244-20  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 31 12:06:45 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 11:55:47 2018  
 Response via : Initial Calibration

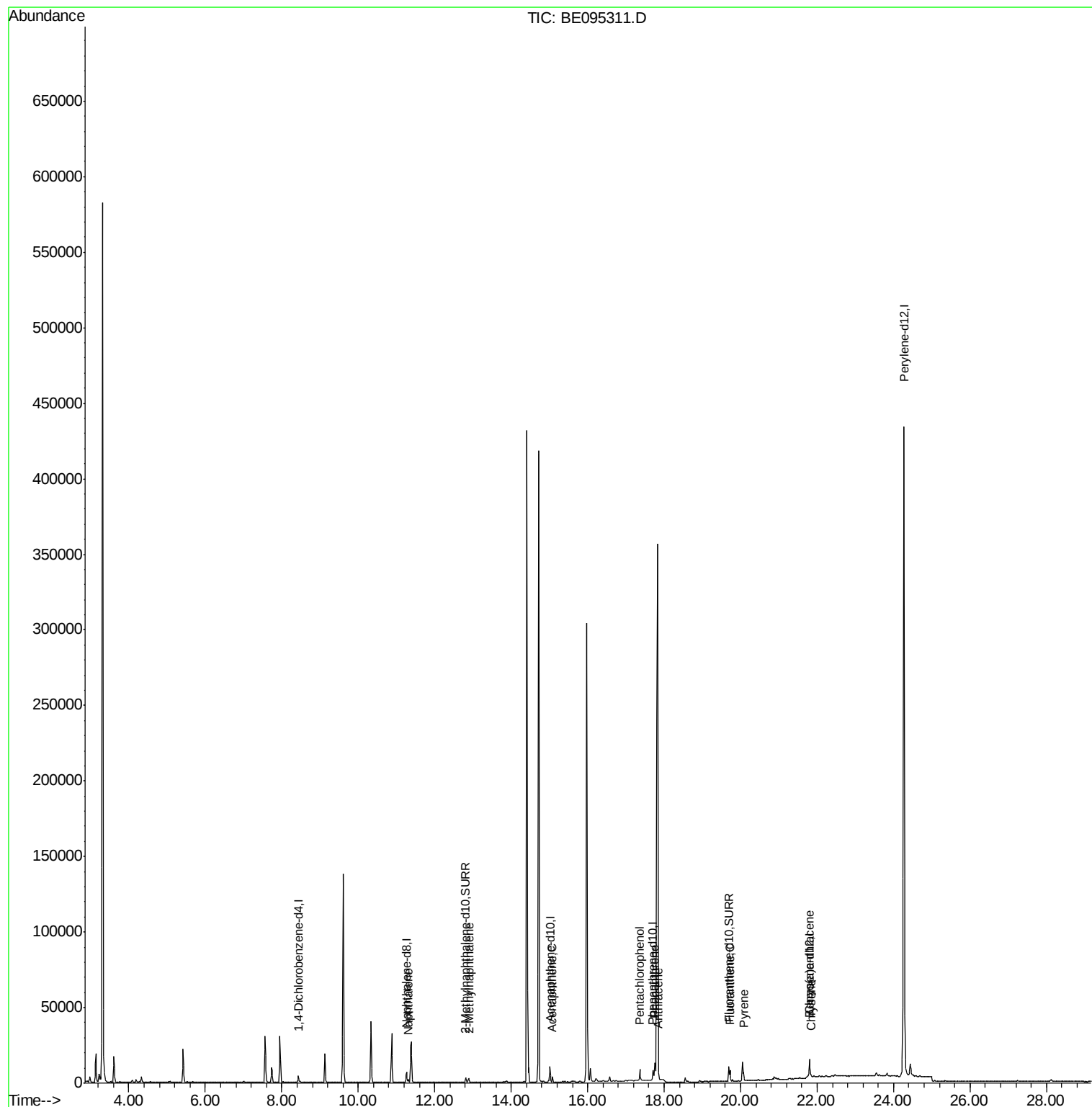
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2725     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 8738     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.01 | 164  | 5610     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 11265    | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 11702    | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.27 | 264  | 481651   | 0.40  | ng/ul  | -0.16    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 3716     | 0.26  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.69 | 212  | 10180    | 0.24  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 11.31 | 128  | 2300     | 0.094 | ng/ul# | 89       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 2242     | 0.137 | ng/ul  | 99       |
| 8) Acenaphthene             | 15.08 | 153  | 1843     | 0.088 | ng/ul  | 93       |
| 11) Pentachlorophenol       | 17.36 | 266  | 5180     | 2.374 | ng/ul  | 97       |
| 12) Phenanthrene            | 17.75 | 178  | 13317    | 0.352 | ng/ul# | 88       |
| 13) Anthracene              | 17.84 | 178  | 1906     | 0.055 | ng/ul# | 88       |
| 15) Fluoranthene            | 19.72 | 202  | 8641     | 0.176 | ng/ul  | 84       |
| 17) Pyrene                  | 20.08 | 202  | 8759     | 0.223 | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 21.79 | 228  | 1898     | 0.052 | ng/ul# | 39       |
| 19) Chrysene                | 21.84 | 228  | 1682     | 0.044 | ng/ul# | 44       |

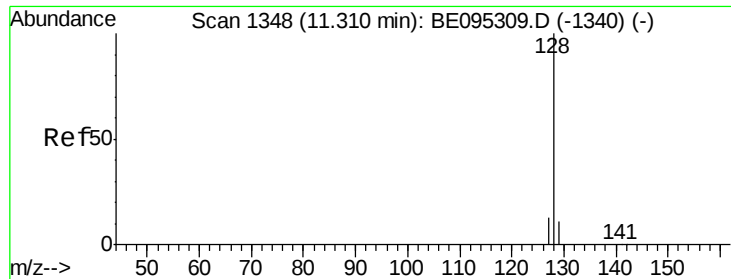
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.094 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

Instrument :

BNA\_E

ClientSampleId :

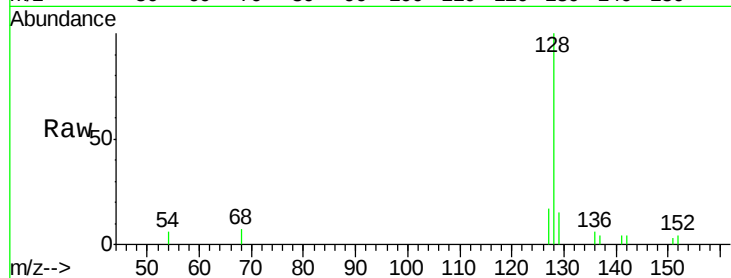
Tot Ion:128 Resp: 2300

Ion Ratio Lower Upper

128 100

129 15.2 11.3 16.9

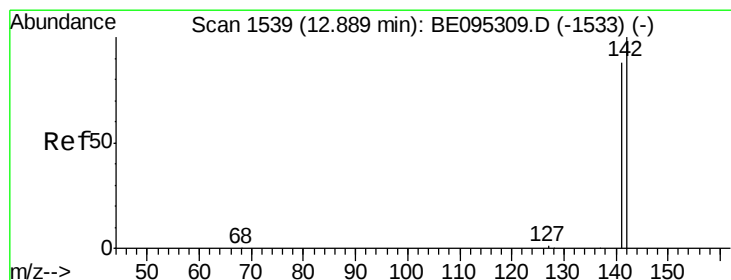
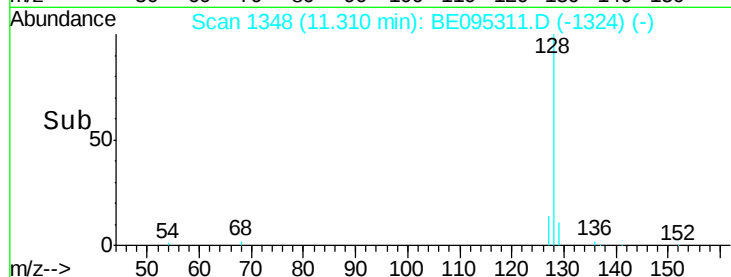
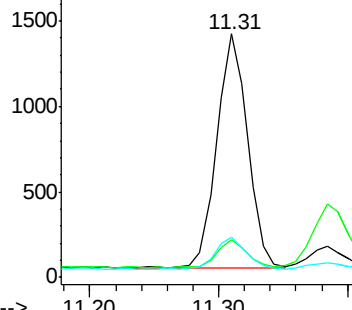
127 16.6 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.137 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095311.D

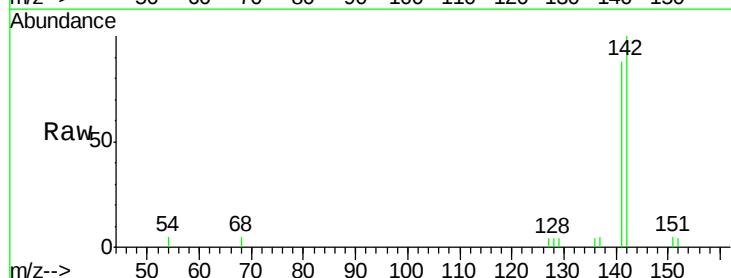
Acq: 31 Jan 2018 11:24

Tgt Ion:142 Resp: 2242

Ion Ratio Lower Upper

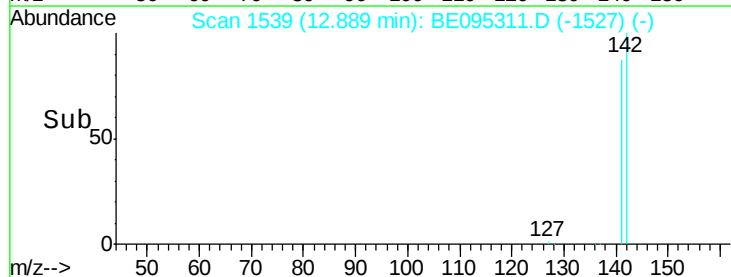
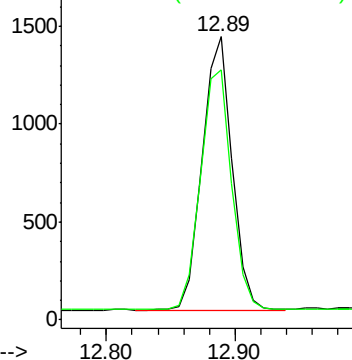
142 100

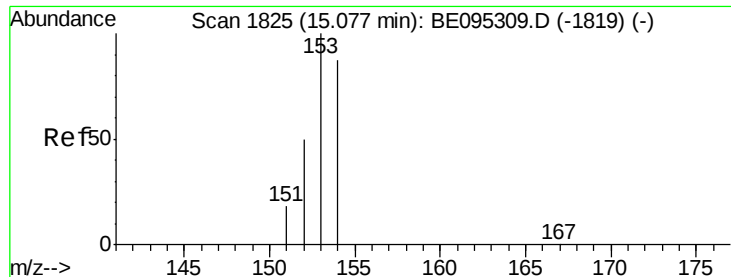
141 91.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.088 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

Instrument :

BNA\_E

ClientSampleId :

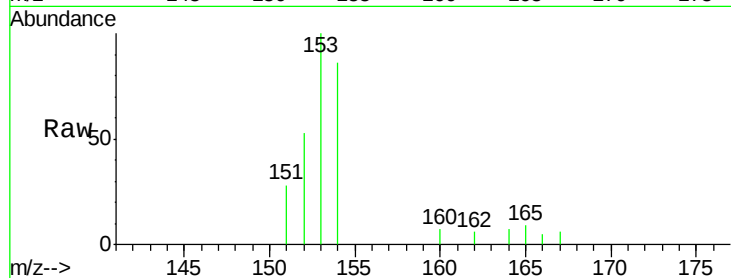
Tot Ion:153 Resp: 1843

Ion Ratio Lower Upper

153 100

152 53.5 36.0 54.0

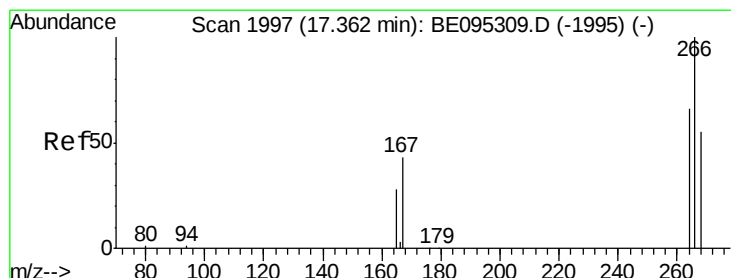
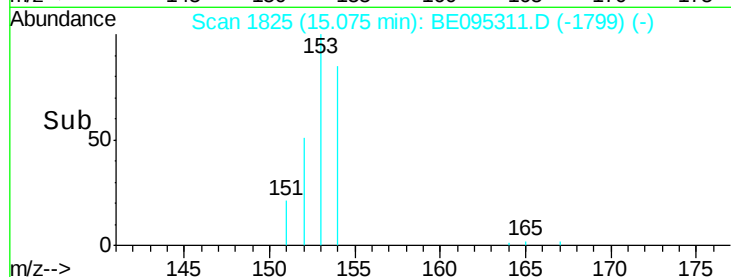
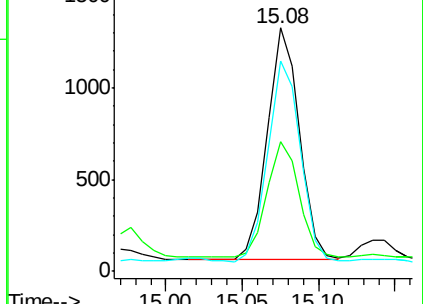
154 86.1 72.0 108.0



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



#11

Pentachlorophenol

Concen: 2.374 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

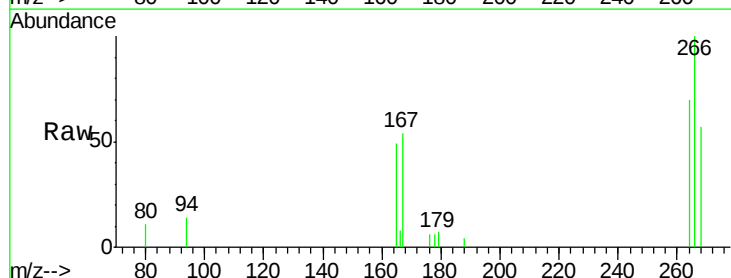
Tgt Ion:266 Resp: 5180

Ion Ratio Lower Upper

266 100

264 63.6 47.9 71.9

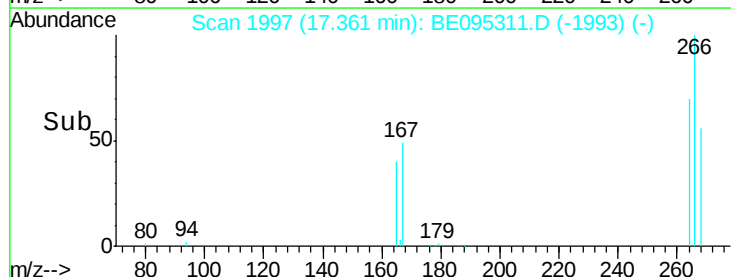
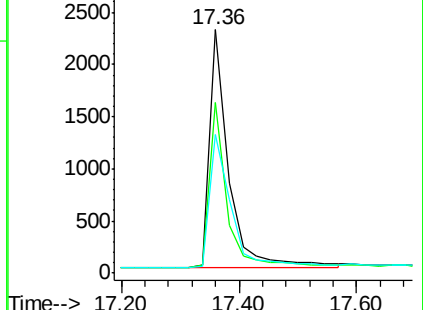
268 62.9 49.8 74.8

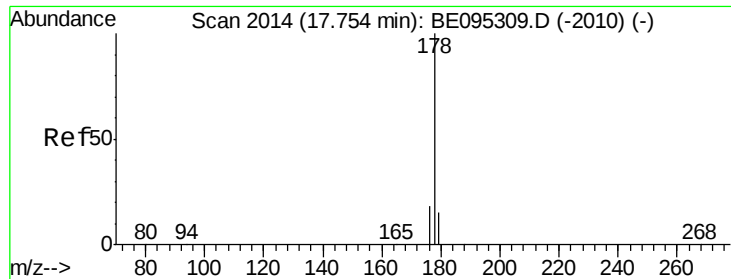


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.352 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

Instrument :

BNA\_E

ClientSampleId :

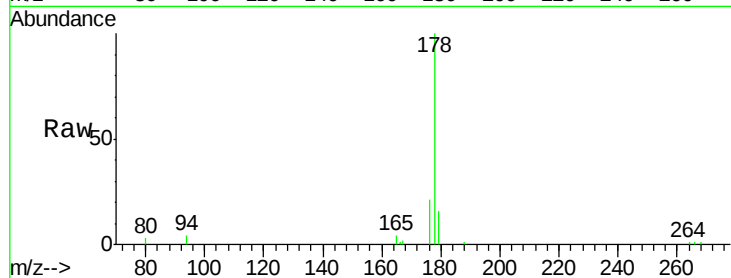
Tot Ion:178 Resp: 13317

Ion Ratio Lower Upper

178 100

179 16.4 18.4 27.6#

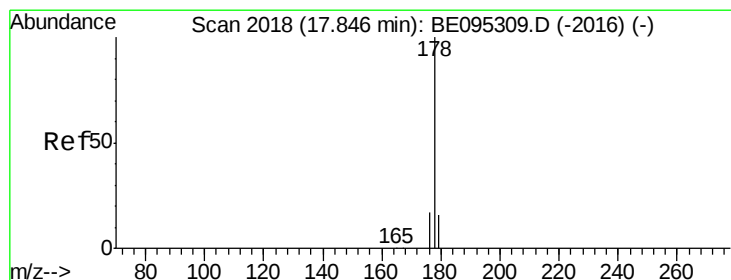
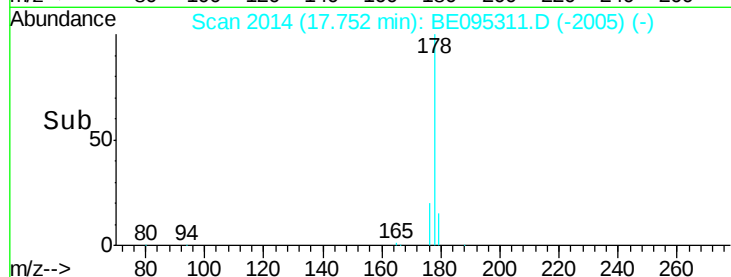
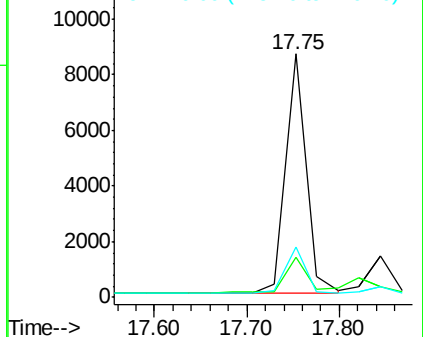
176 20.8 13.6 20.4#



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



#13

Anthracene

Concen: 0.055 ng/ul

RT: 17.84 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

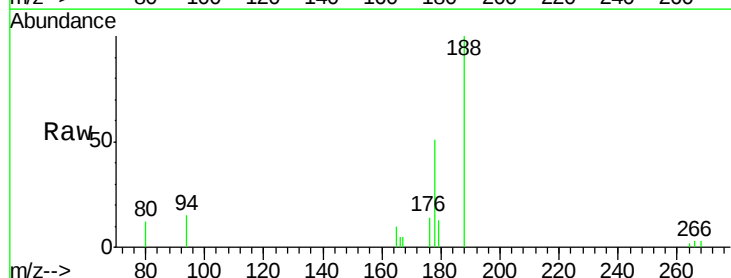
Tgt Ion:178 Resp: 1906

Ion Ratio Lower Upper

178 100

179 25.4 18.1 27.1

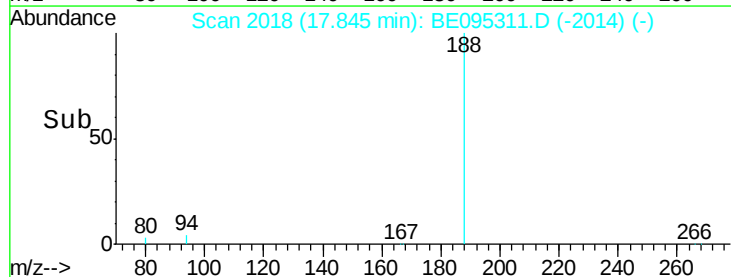
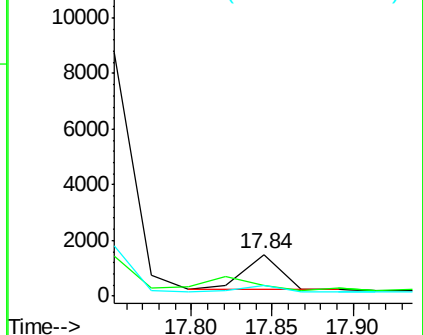
176 26.7 14.7 22.1#

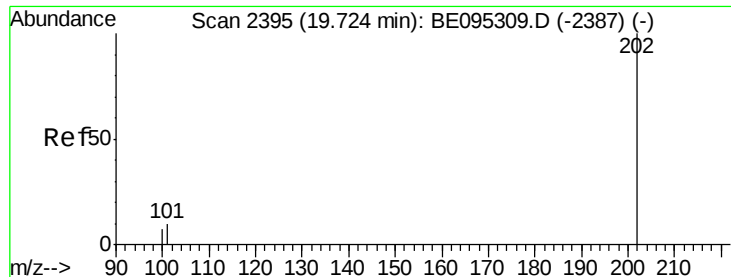


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.176 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

Instrument :

BNA\_E

ClientSampleId :

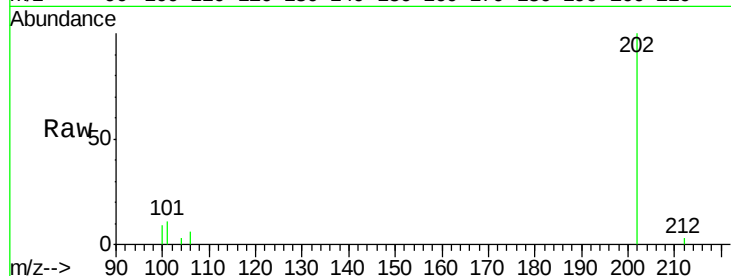
Tot Ion:202 Resp: 8641

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

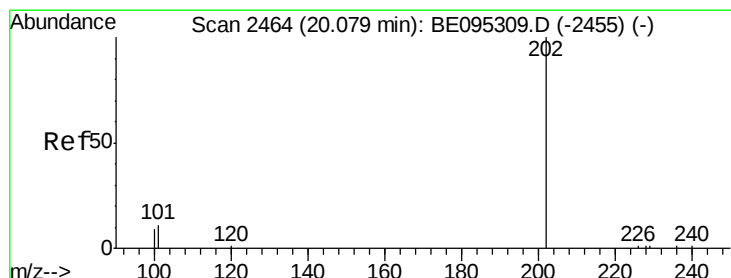
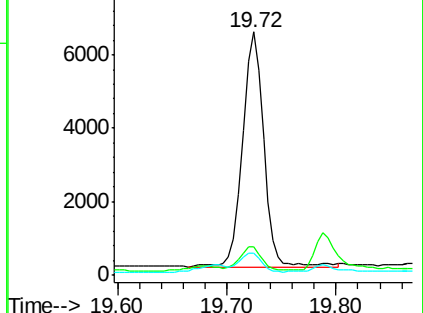
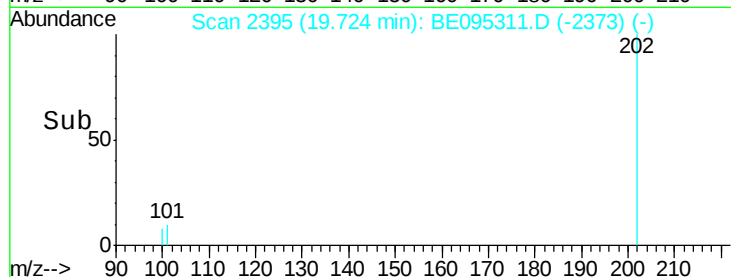
100 9.3 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.223 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095311.D

Acq: 31 Jan 2018 11:24

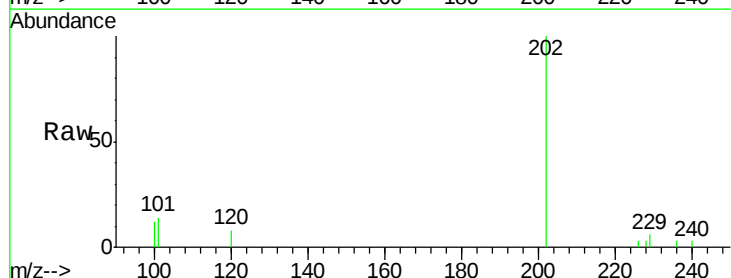
Tgt Ion:202 Resp: 8759

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

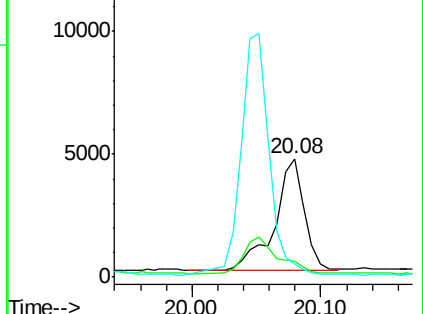
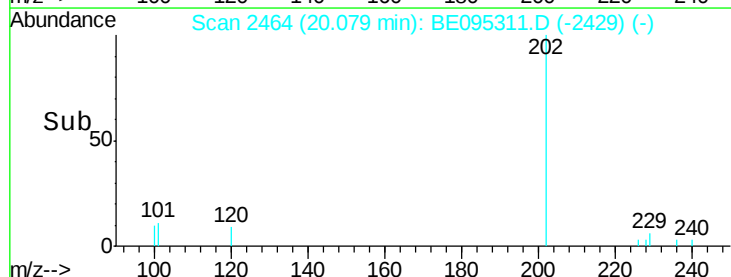
100 11.7 15.6 23.4#

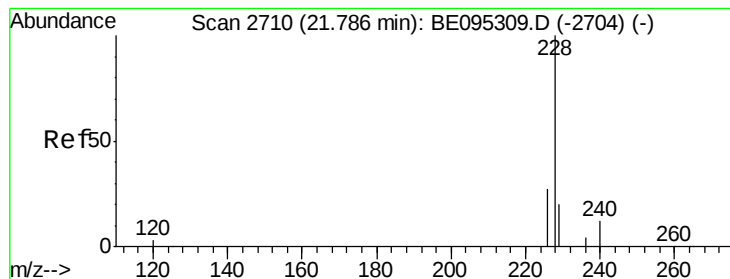


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

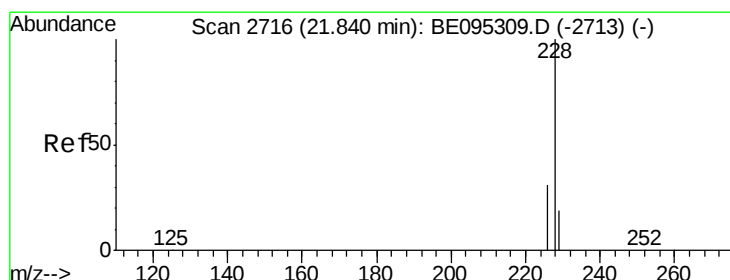
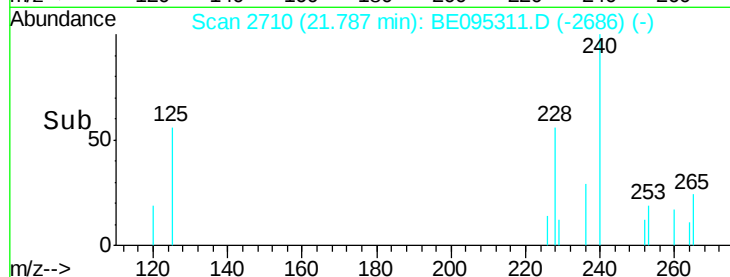
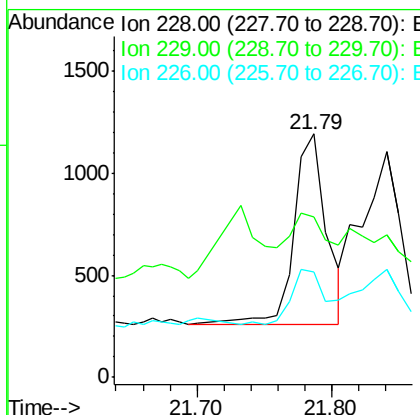
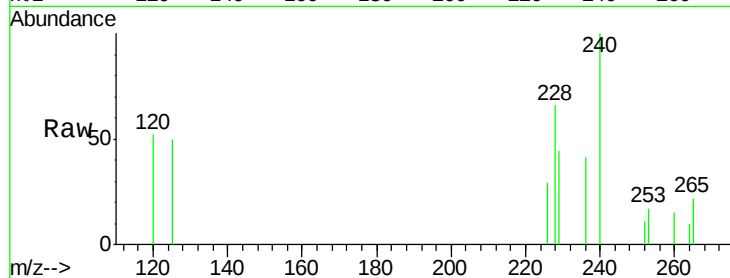




#18  
Benzo(a)anthracene  
Concen: 0.052 ng/ul  
RT: 21.79 min Scan# 2710  
Delta R.T. 0.00 min  
Lab File: BE095311.D  
Acq: 31 Jan 2018 11:24

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:228 Resp: 1898  
Ion Ratio Lower Upper  
228 100  
229 66.0 22.8 34.2#  
226 43.5 17.0 25.6#



#19  
Chrysene  
Concen: 0.044 ng/ul  
RT: 21.84 min Scan# 2716  
Delta R.T. 0.00 min  
Lab File: BE095311.D  
Acq: 31 Jan 2018 11:24

Tgt Ion:228 Resp: 1682  
Ion Ratio Lower Upper  
228 100  
226 47.7 23.4 35.0#  
229 62.9 17.7 26.5#

