

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\  
 Data File : BE095300.D  
 Acq On : 31 Jan 2018 4:50  
 Operator : SJ/JU  
 Sample : J1223-05DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 31 07:51:35 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 03:40:45 2018  
 Response via : Initial Calibration

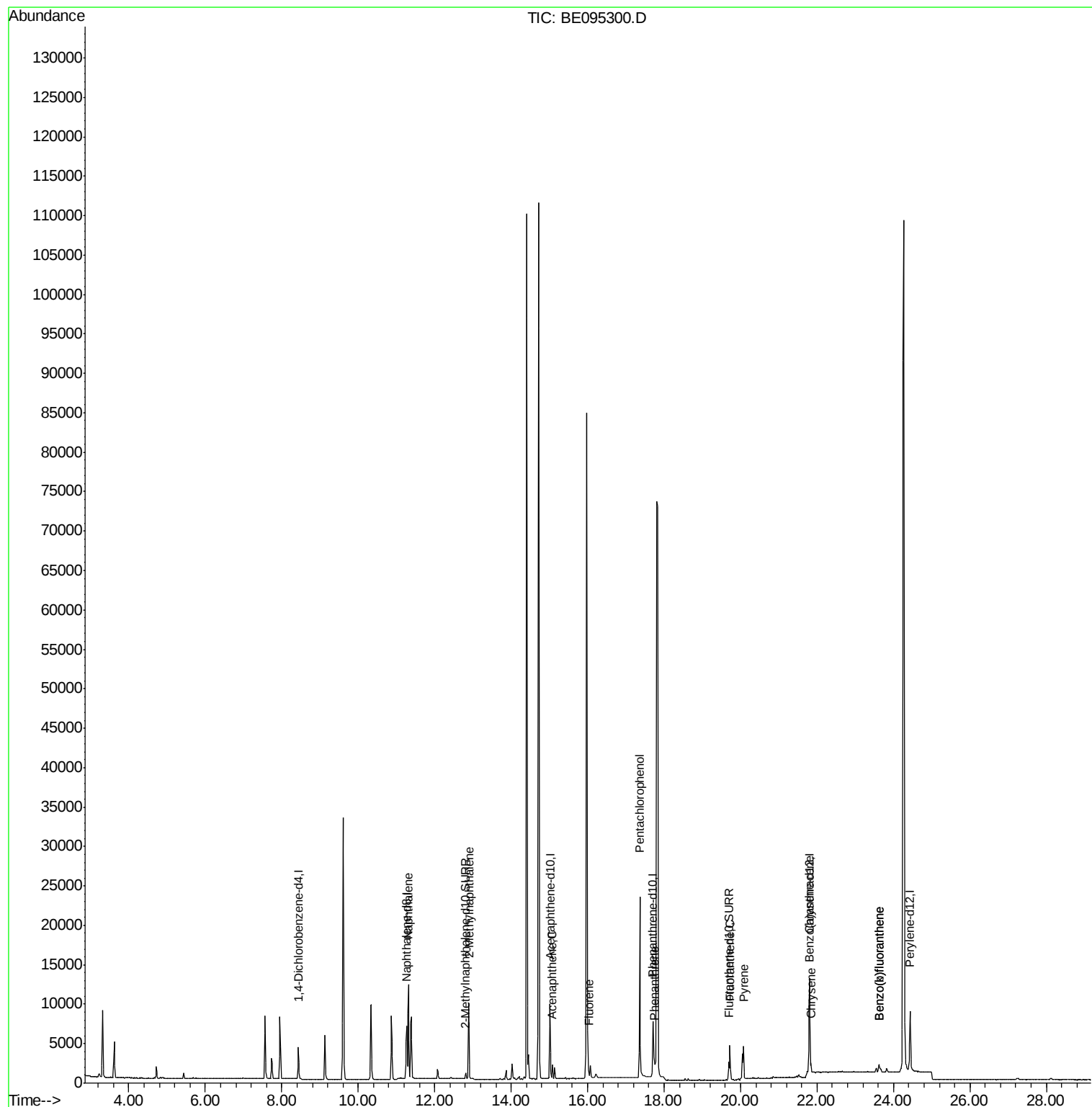
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.44  | 152  | 2704     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.26 | 136  | 8576     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.02 | 164  | 5217     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.71 | 188  | 10939    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.80 | 240  | 11655    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.44 | 264  | 11719    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 947      | 0.07   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 2404     | 0.06   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.31 | 128  | 16307    | 0.679  | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.89 | 142  | 8080     | 0.504  | ng/ul  | 99       |
| 8) Acenaphthene             | 15.08 | 153  | 1082     | 0.056  | ng/ul  | 92       |
| 9) Fluorene                 | 16.03 | 166  | 713      | 0.036  | ng/ul# | 79       |
| 11) Pentachlorophenol       | 17.36 | 266  | 13795    | 6.511  | ng/ul  | 96       |
| 12) Phenanthrene            | 17.75 | 178  | 1804     | 0.049  | ng/ul# | 90       |
| 15) Fluoranthene            | 19.72 | 202  | 4966     | 0.104  | ng/ul  | 84       |
| 17) Pyrene                  | 20.08 | 202  | 4803     | 0.123  | ng/ul# | 81       |
| 18) Benzo(a)anthracene      | 21.79 | 228  | 1394     | 0.038  | ng/ul# | 90       |
| 19) Chrysene                | 21.84 | 228  | 1397     | 0.037  | ng/ul# | 85       |
| 21) Benzo(b)fluoranthene    | 23.62 | 252  | 2348     | 0.057  | ng/ul  | 85       |
| 22) Benzo(k)fluoranthene    | 23.62 | 252  | 2348     | 0.062  | ng/ul# | 82       |

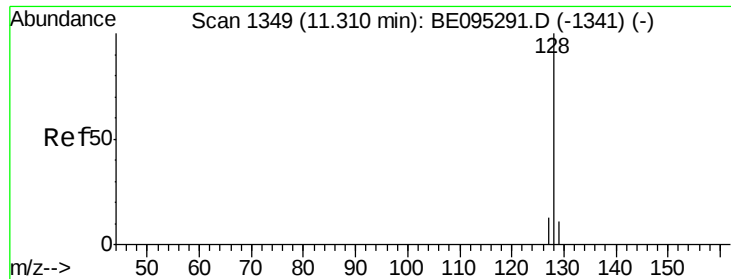
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.679 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095300.D

Acq: 31 Jan 2018 4:50

Instrument :

BNA\_E

ClientSampleId :

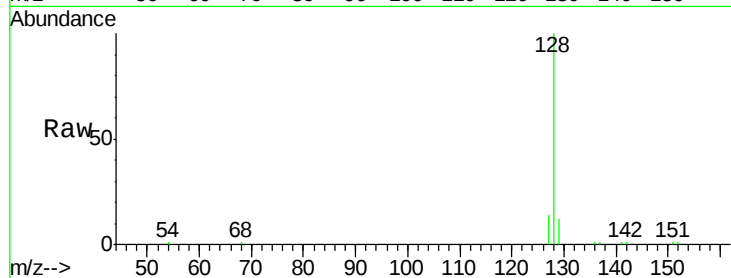
Tot Ion:128 Resp: 16307

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

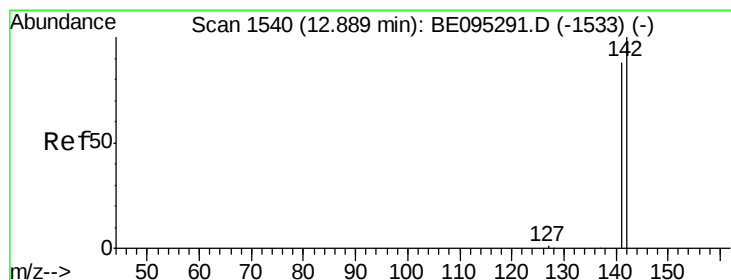
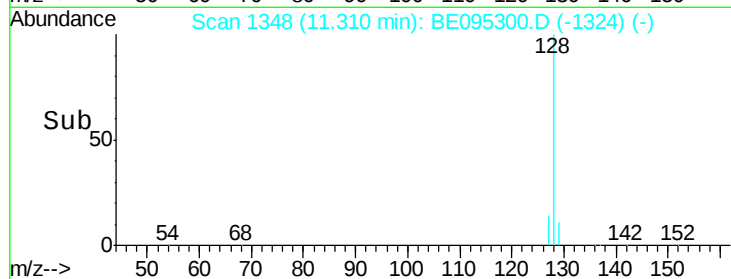
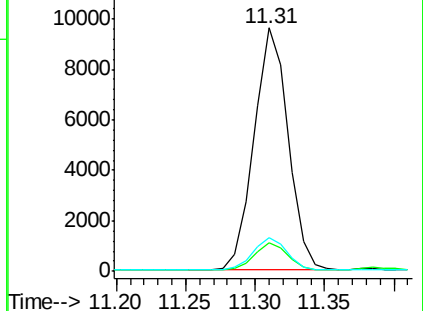
127 13.9 4.0 6.0#



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: 0.504 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BE095300.D

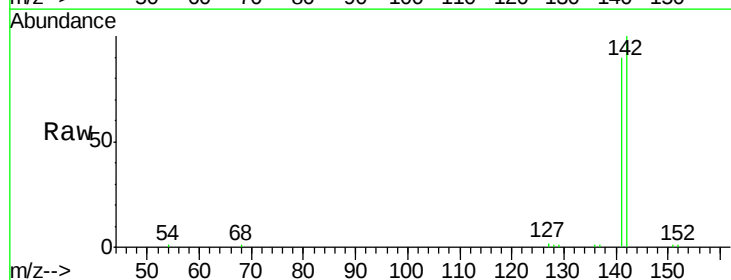
Acq: 31 Jan 2018 4:50

Tgt Ion:142 Resp: 8080

Ion Ratio Lower Upper

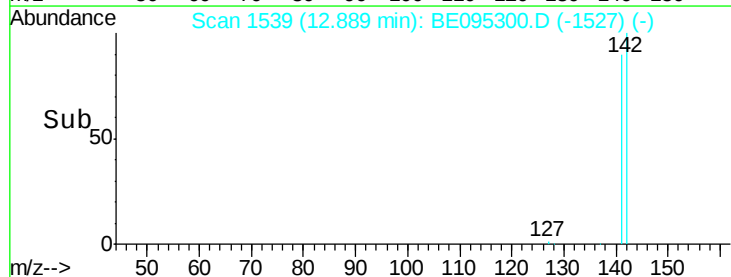
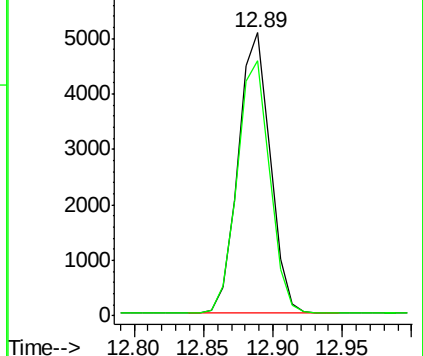
142 100

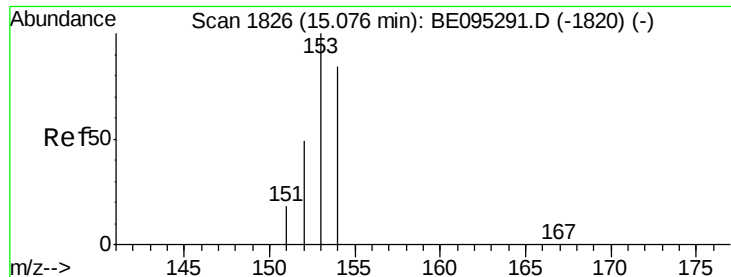
141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.056 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE095300.D

Acq: 31 Jan 2018 4:50

Instrument :

BNA\_E

ClientSampleId :

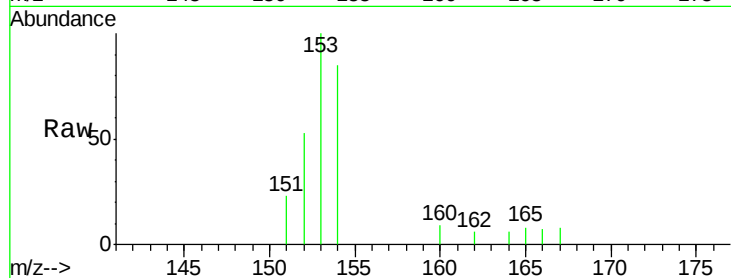
Tot Ion:153 Resp: 1082

Ion Ratio Lower Upper

153 100

152 53.1 36.0 54.0

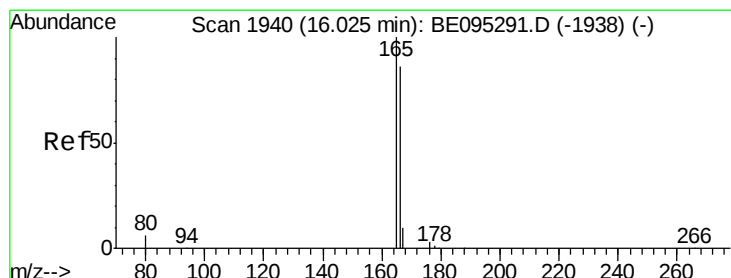
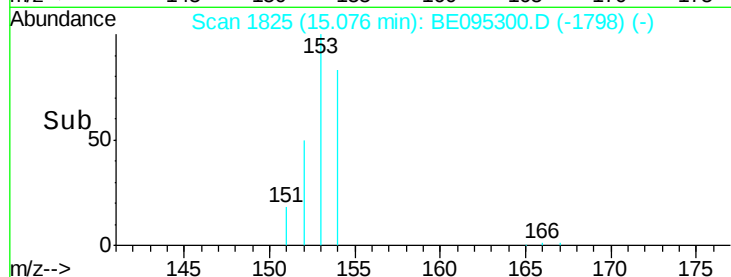
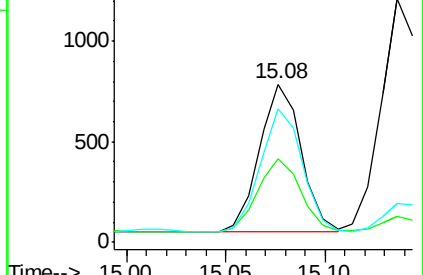
154 84.8 72.0 108.0



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



#9

Fluorene

Concen: 0.036 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095300.D

Acq: 31 Jan 2018 4:50

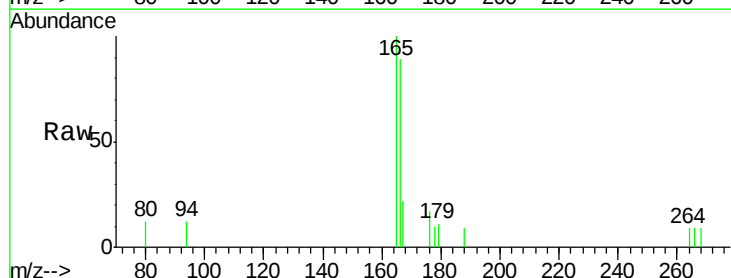
Tgt Ion:166 Resp: 713

Ion Ratio Lower Upper

166 100

165 112.9 73.4 110.2#

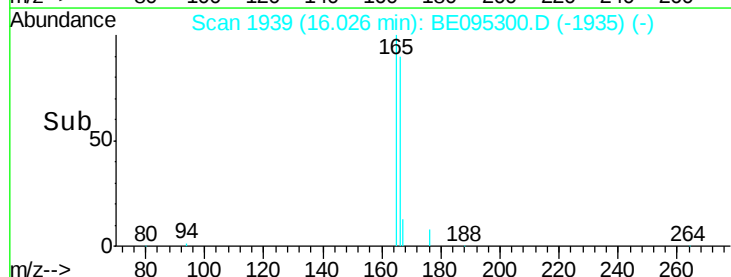
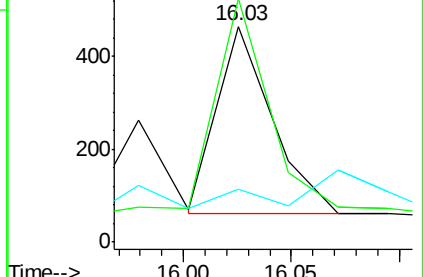
167 24.6 14.6 22.0#

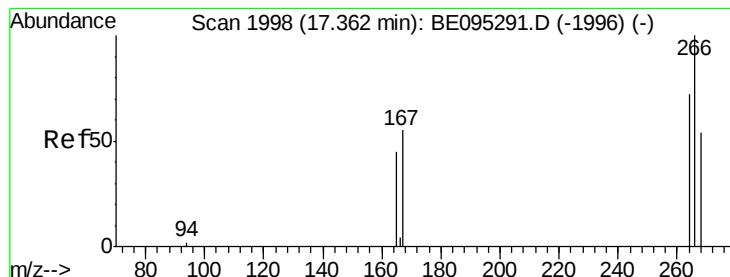


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

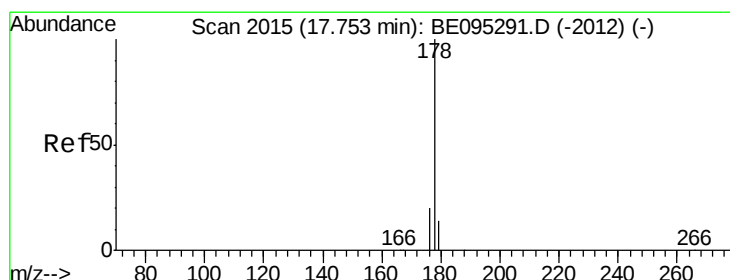
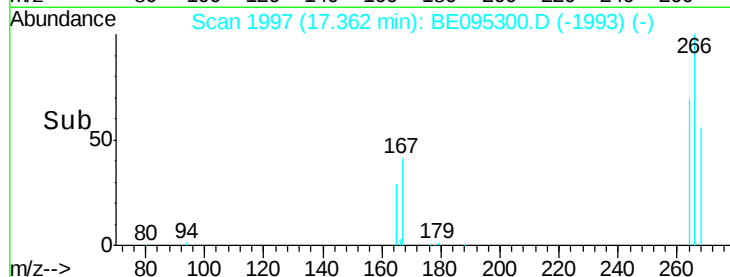
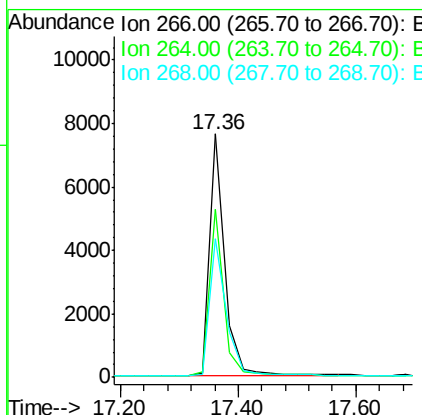
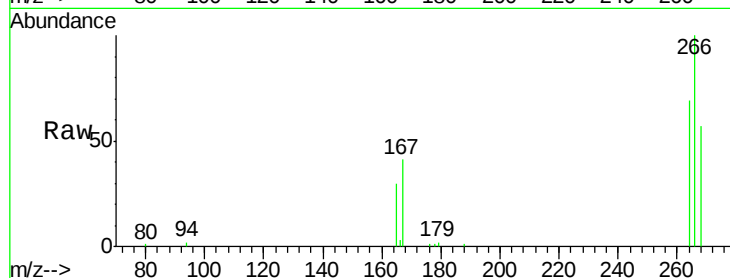




#11  
 Pentachlorophenol  
 Concen: 6.511 ng/ul  
 RT: 17.36 min Scan# 1997  
 Delta R.T. 0.00 min  
 Lab File: BE095300.D  
 Acq: 31 Jan 2018 4:50

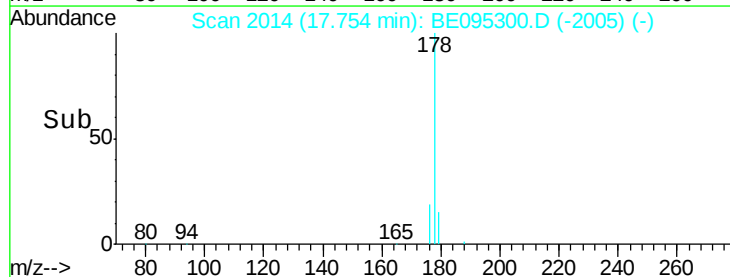
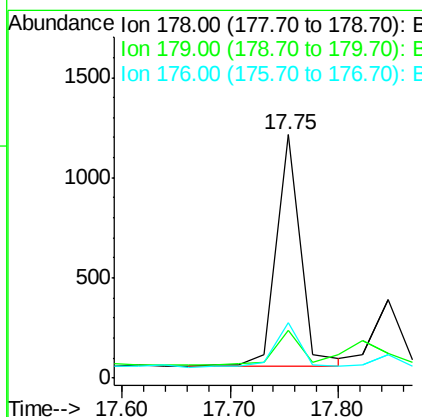
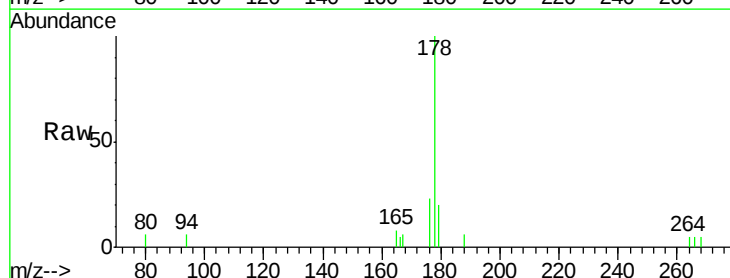
Instrument :  
 BNA\_E  
 ClientSampleId :

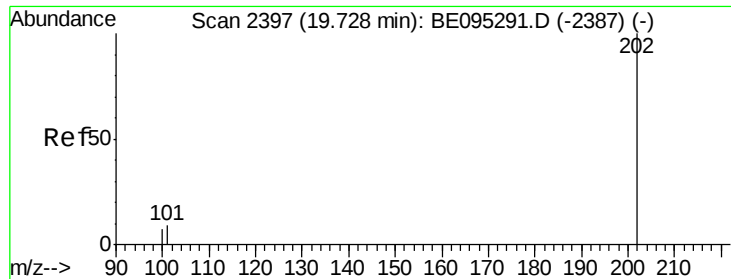
Tot Ion:266 Resp: 13795  
 Ion Ratio Lower Upper  
 266 100  
 264 65.1 47.9 71.9  
 268 61.7 49.8 74.8



#12  
 Phenanthrene  
 Concen: 0.049 ng/ul  
 RT: 17.75 min Scan# 2014  
 Delta R.T. 0.00 min  
 Lab File: BE095300.D  
 Acq: 31 Jan 2018 4:50

Tgt Ion:178 Resp: 1804  
 Ion Ratio Lower Upper  
 178 100  
 179 19.8 18.4 27.6  
 176 23.0 13.6 20.4#





#15

Fluoranthene

Concen: 0.104 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095300.D

Acq: 31 Jan 2018 4:50

Instrument :

BNA\_E

ClientSampleId :

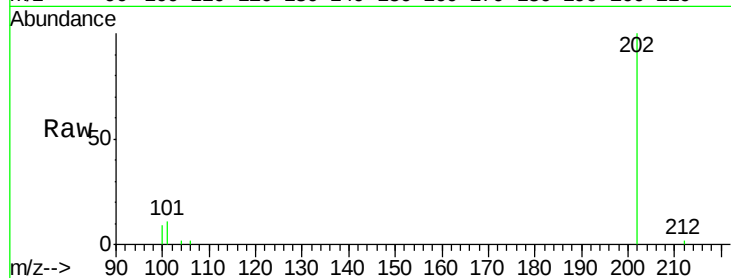
Tot Ion:202 Resp: 4966

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.3

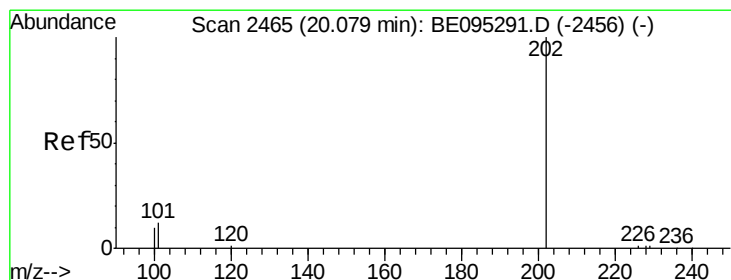
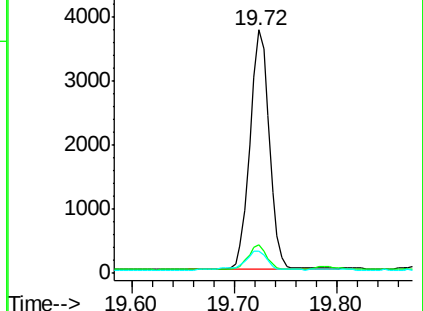
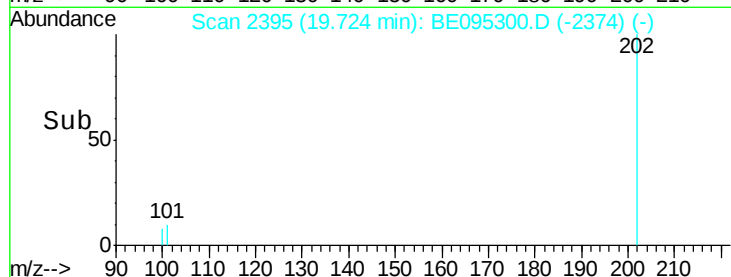
100 9.2 0.0 39.5



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: 0.123 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095300.D

Acq: 31 Jan 2018 4:50

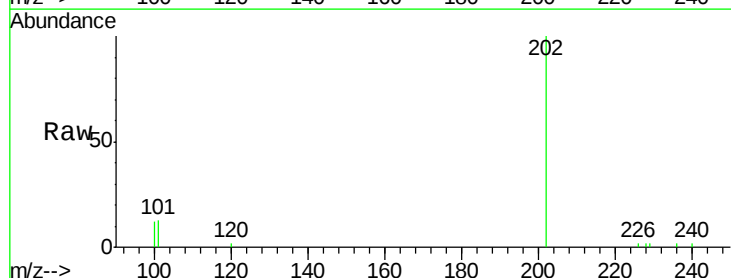
Tgt Ion:202 Resp: 4803

Ion Ratio Lower Upper

202 100

101 13.2 18.2 27.4#

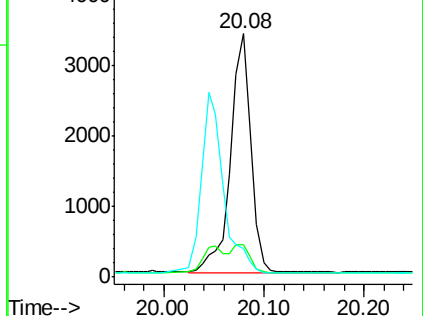
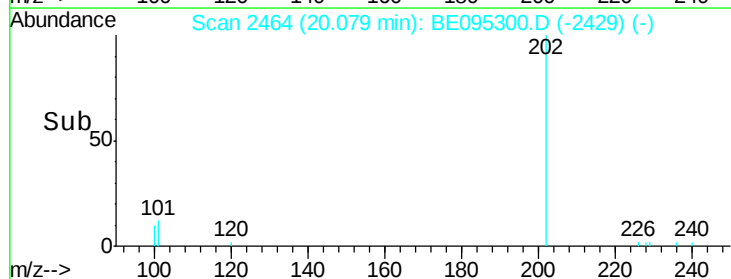
100 11.6 15.6 23.4#

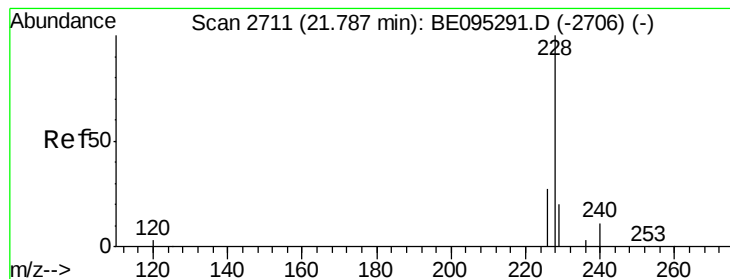


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

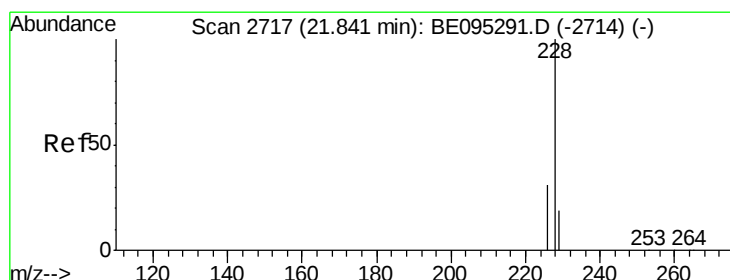
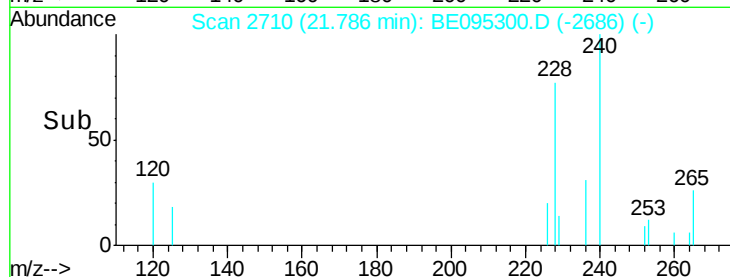
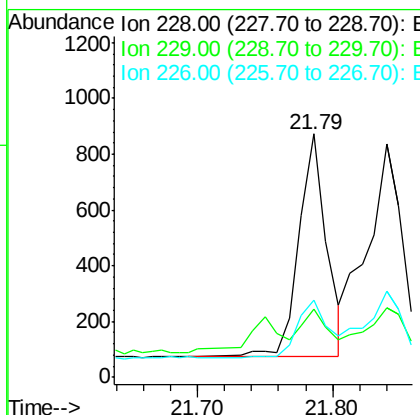
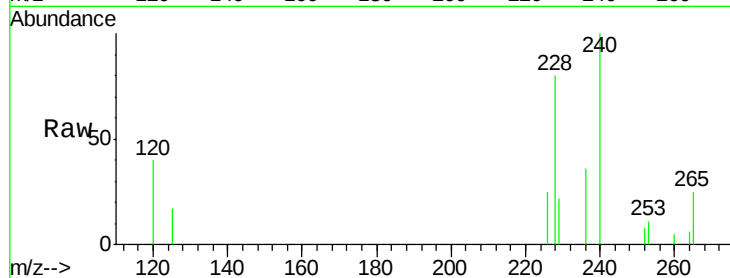




#18  
Benzo(a)anthracene  
Concen: 0.038 ng/ul  
RT: 21.79 min Scan# 2710  
Delta R.T. -0.00 min  
Lab File: BE095300.D  
Acq: 31 Jan 2018 4:50

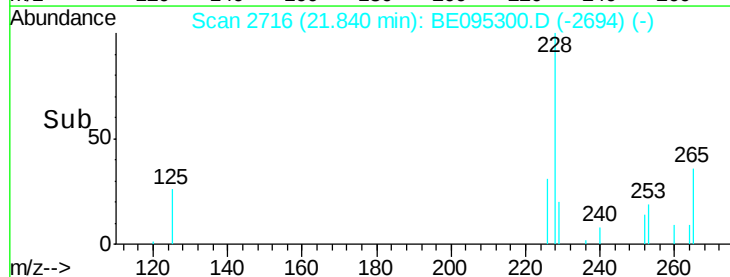
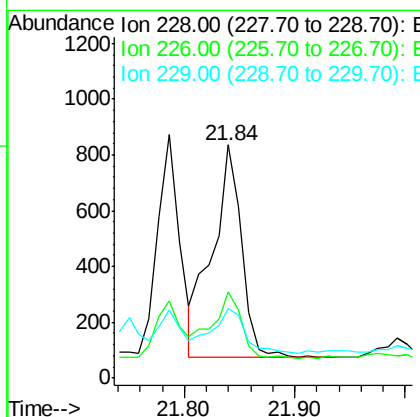
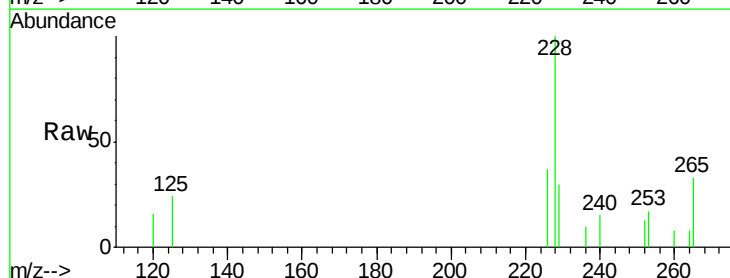
Instrument :  
BNA\_E  
ClientSampled :

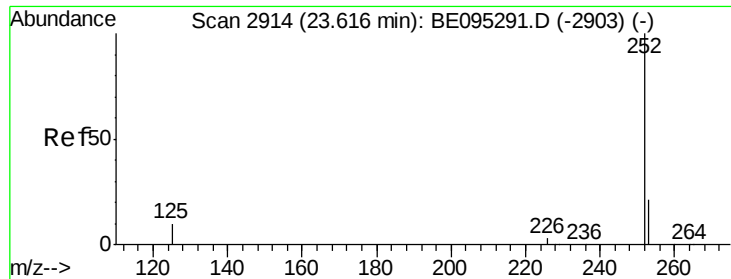
Tot Ion:228 Resp: 1394  
Ion Ratio Lower Upper  
228 100  
229 27.8 22.8 34.2  
226 31.8 17.0 25.6#



#19  
Chrysene  
Concen: 0.037 ng/ul  
RT: 21.84 min Scan# 2716  
Delta R.T. -0.00 min  
Lab File: BE095300.D  
Acq: 31 Jan 2018 4:50

Tgt Ion:228 Resp: 1397  
Ion Ratio Lower Upper  
228 100  
226 36.8 23.4 35.0#  
229 30.0 17.7 26.5#

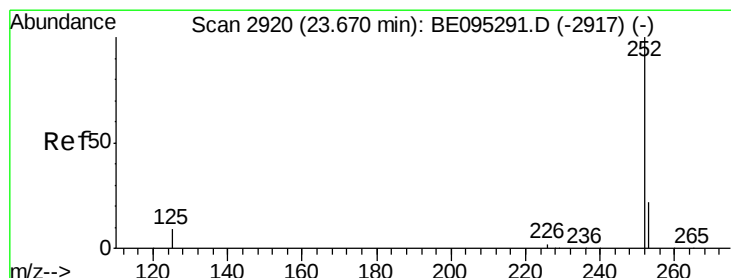
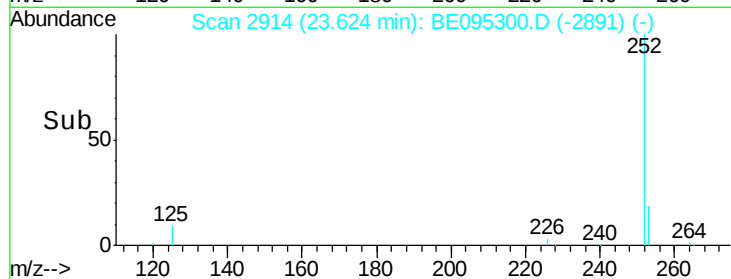
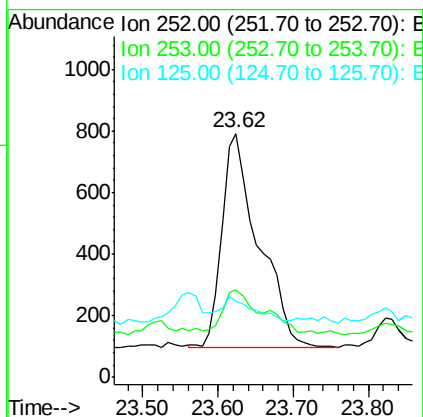
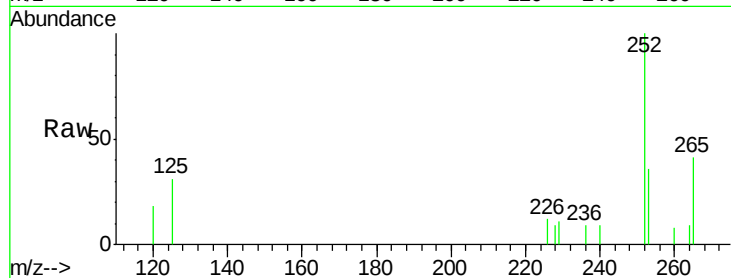




#21  
Benzo(b)fluoranthene  
Concen: 0.057 ng/ul  
RT: 23.62 min Scan# 2914  
Delta R.T. 0.01 min  
Lab File: BE095300.D  
Acq: 31 Jan 2018 4:50

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:252 Resp: 2348  
Ion Ratio Lower Upper  
252 100  
253 35.7 0.0 64.2  
125 31.2 0.0 35.0



#22  
Benzo(k)fluoranthene  
Concen: 0.062 ng/ul  
RT: 23.62 min Scan# 2914  
Delta R.T. -0.05 min  
Lab File: BE095300.D  
Acq: 31 Jan 2018 4:50

Tgt Ion:252 Resp: 2348  
Ion Ratio Lower Upper  
252 100  
253 35.7 24.5 36.7  
125 31.2 13.7 20.5#

