

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097452.D  
 Acq On : 12 Sep 2018 13:52  
 Operator : SJ/JU  
 Sample : J4688-18  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 13 01:17:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 13 01:16:50 2018  
 Response via : Initial Calibration

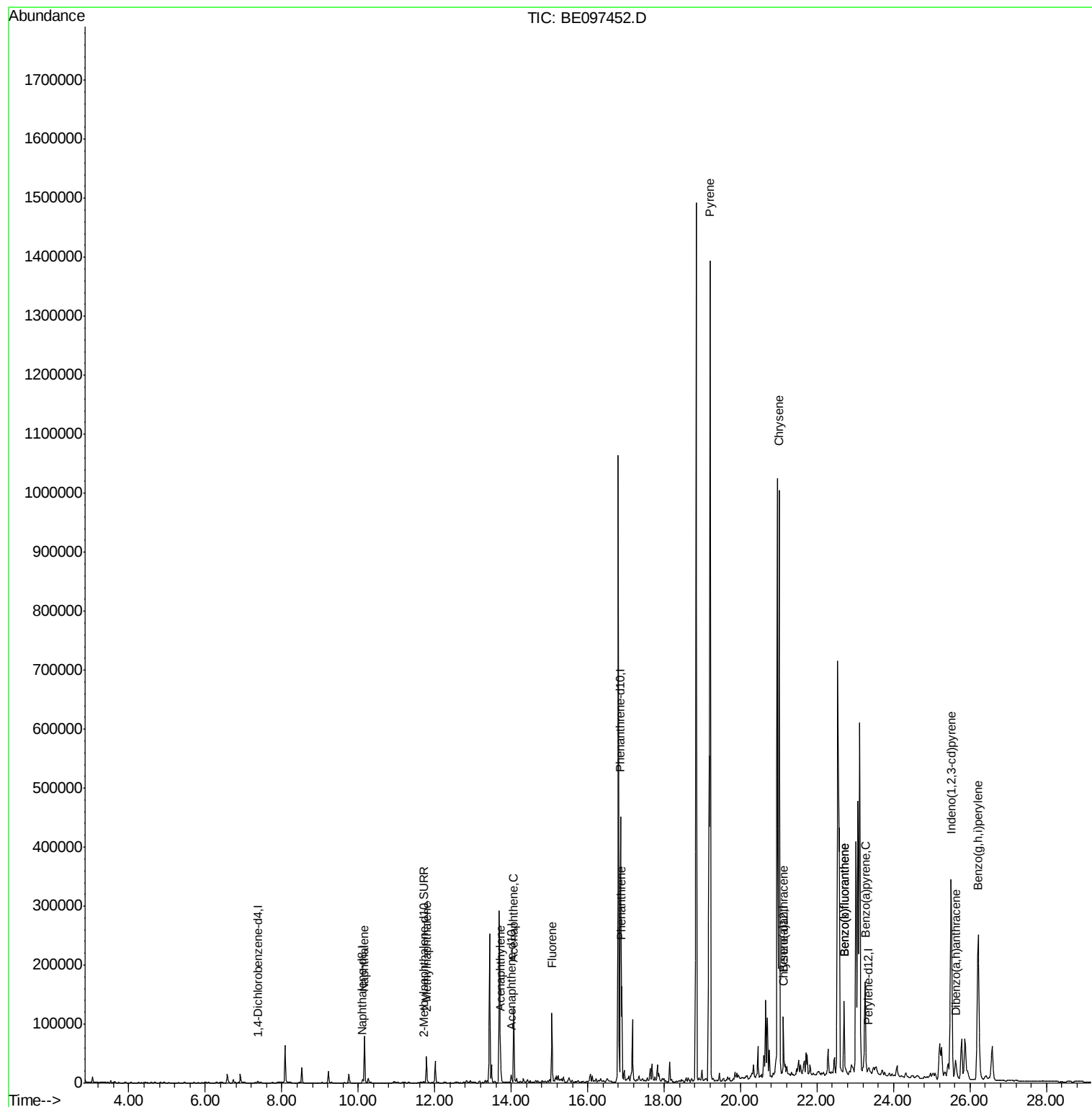
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.37  | 152  | 983      | 0.40     | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.11 | 136  | 5667     | 0.40     | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.00 | 164  | 4466     | 0.40     | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.86 | 188  | 495895   | 0.40     | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.11 | 240  | 378      | 0.40     | ng/ul  | 0.14     |
| 20) Perylene-d12            | 23.33 | 264  | 3779     | 0.40     | ng/ul  | 0.13     |
| System Monitoring Compounds |       |      |          |          |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.71 | 152  | 2346     | 0.27     | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.91 | 212  | 282      | 0.00     | ng/ul  | 0.11     |
| Target Compounds            |       |      |          |          |        |          |
|                             |       |      |          |          | Ovalue |          |
| 3) Naphthalene              | 10.16 | 128  | 114940   | 8.318    | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 11.79 | 142  | 37651    | 4.312    | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.72 | 152  | 43216    | 2.657    | ng/ul  | 97       |
| 8) Acenaphthene             | 14.07 | 153  | 71351    | 5.099    | ng/ul  | 96       |
| 9) Fluorene                 | 15.07 | 166  | 69186    | 4.317    | ng/ul  | 94       |
| 12) Phenanthrene            | 16.89 | 178  | 176807   | 0.139    | ng/ul# | 90       |
| 17) Pyrene                  | 19.20 | 202  | 1511424  | 1485.876 | ng/ul# | 81       |
| 18) Benzo(a)anthracene      | 21.12 | 228  | 71717    | 73.857   | ng/ul# | 54       |
| 19) Chrysene                | 21.01 | 228  | 872755   | 780.104  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.70 | 252  | 159998   | 15.810   | ng/ul  | 92       |
| 22) Benzo(k)fluoranthene    | 22.70 | 252  | 158569   | 14.051   | ng/ul  | 94       |
| 23) Benzo(a)pyrene          | 23.26 | 252  | 208514   | 22.271   | ng/ul# | 82       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.51 | 276  | 561935   | 46.307   | ng/ul# | 71       |
| 25) Dibenzo(a,h)anthracene  | 25.63 | 278  | 47903    | 4.659    | ng/ul  | 97       |
| 26) Benzo(g,h,i)perylene    | 26.21 | 276  | 541711   | 52.363   | ng/ul# | 90       |

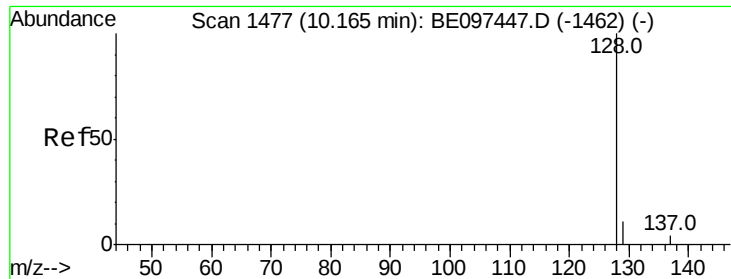
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_E  
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Quant Time: Sep 13 01:17:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 13 01:16:50 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 8.318 ng/ul

RT: 10.16 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

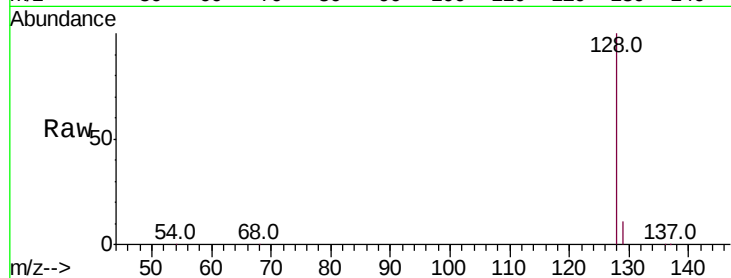
Tot Ion:128 Resp: 114940

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

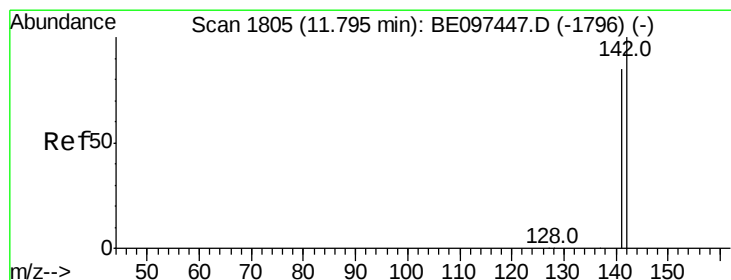
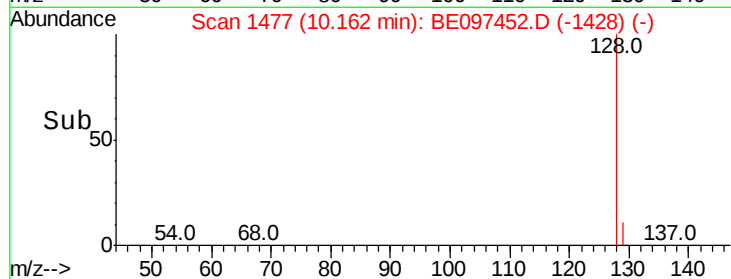
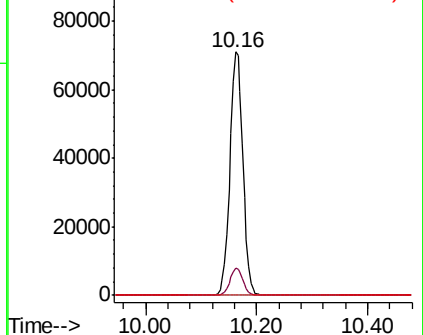
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 4.312 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BE097452.D

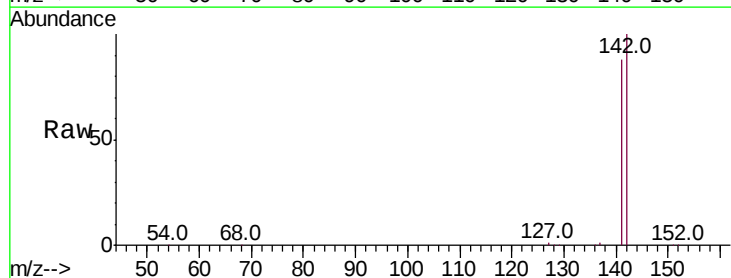
Acq: 12 Sep 2018 13:52

Tgt Ion:142 Resp: 37651

Ion Ratio Lower Upper

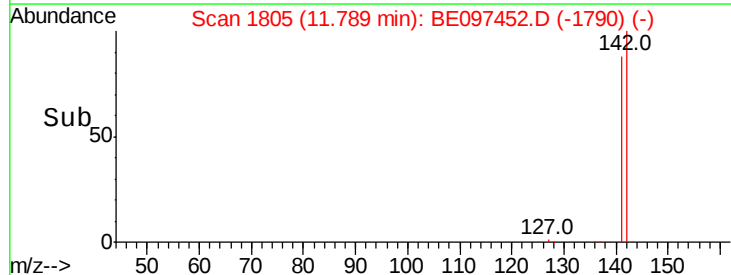
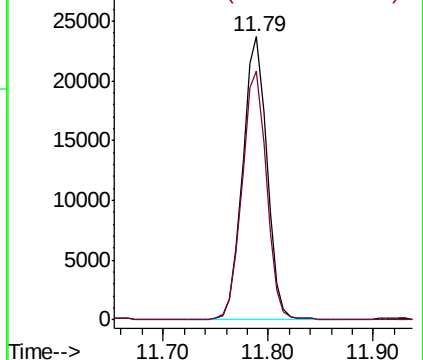
142 100

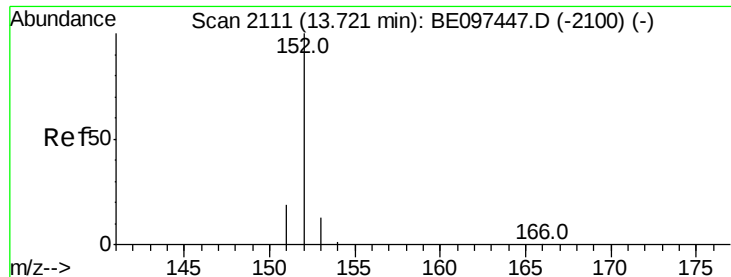
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.657 ng/ul

RT: 13.72 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

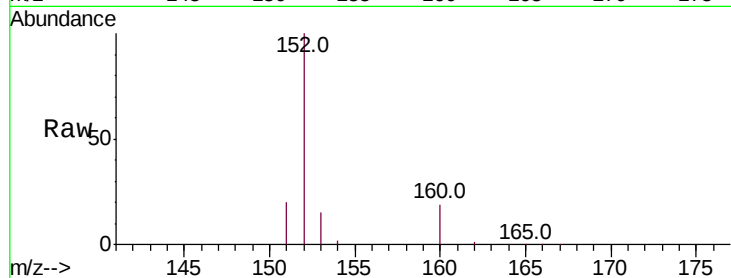
Tot Ion:152 Resp: 43216

Ion Ratio Lower Upper

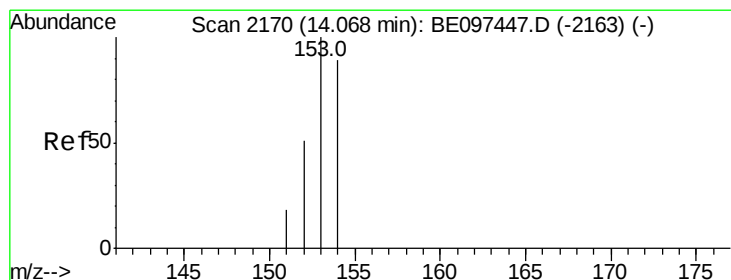
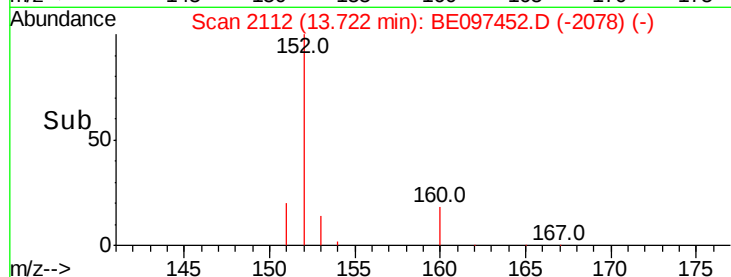
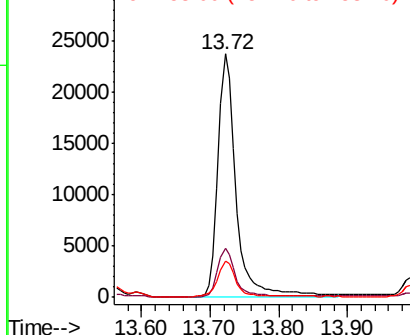
152 100

151 20.1 17.1 25.7

153 14.7 12.8 19.2



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



#8

Acenaphthene

Concen: 5.099 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

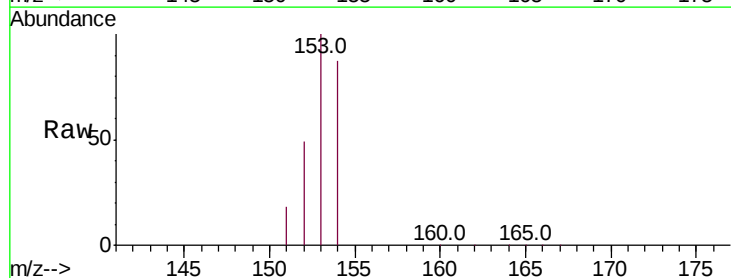
Tgt Ion:153 Resp: 71351

Ion Ratio Lower Upper

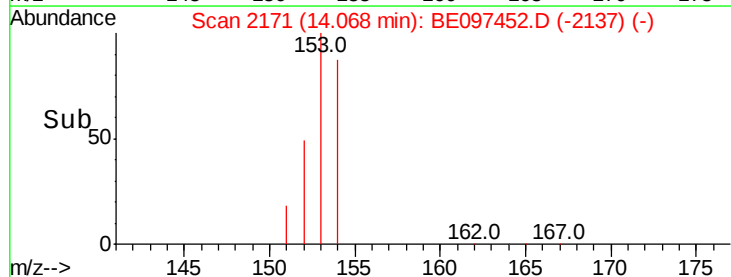
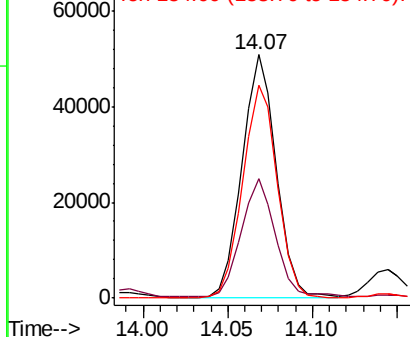
153 100

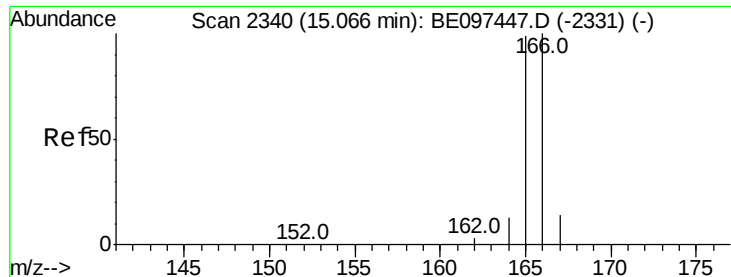
152 49.1 36.0 54.0

154 87.3 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: 4.317 ng/ul

RT: 15.07 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

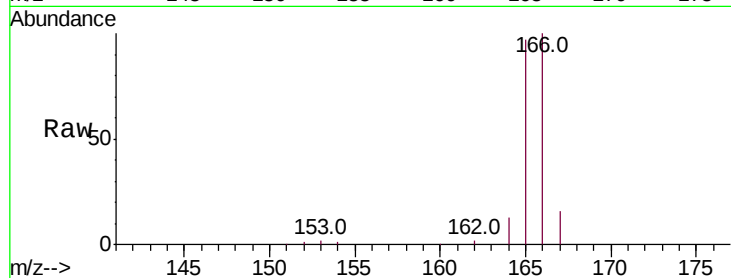
Tot Ion:166 Resp: 69186

Ion Ratio Lower Upper

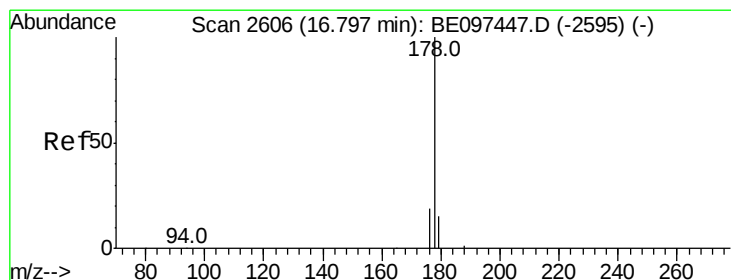
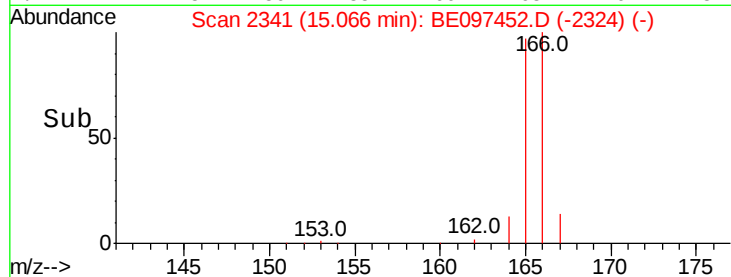
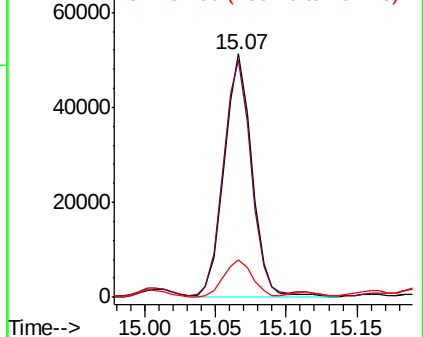
166 100

165 97.4 73.4 110.2

167 15.5 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



#12

Phenanthrene

Concen: 0.139 ng/ul

RT: 16.89 min Scan# 2621

Delta R.T. 0.10 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

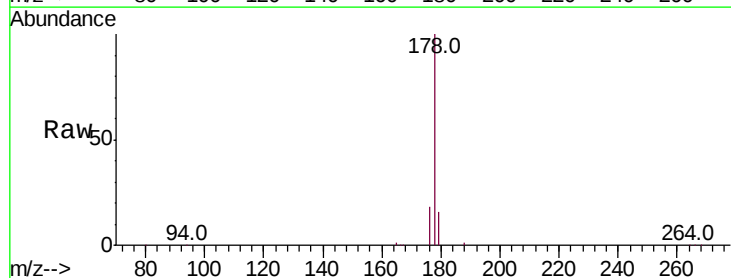
Tgt Ion:178 Resp: 176807

Ion Ratio Lower Upper

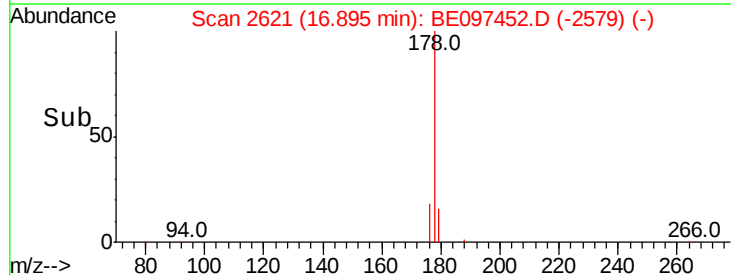
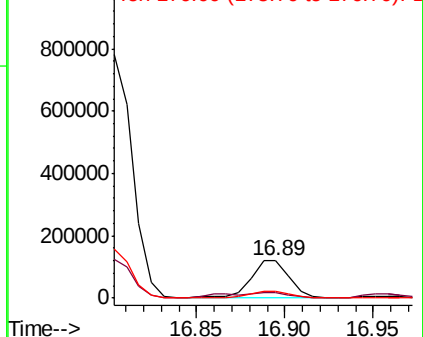
178 100

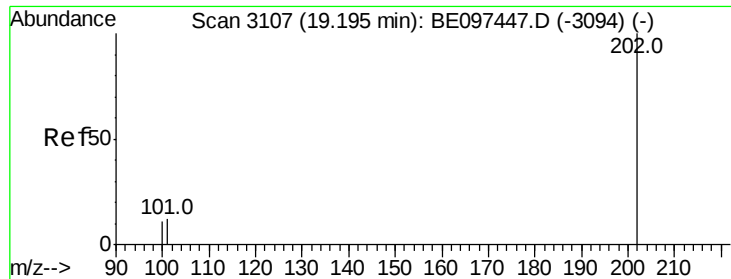
179 16.1 18.4 27.6#

176 18.4 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

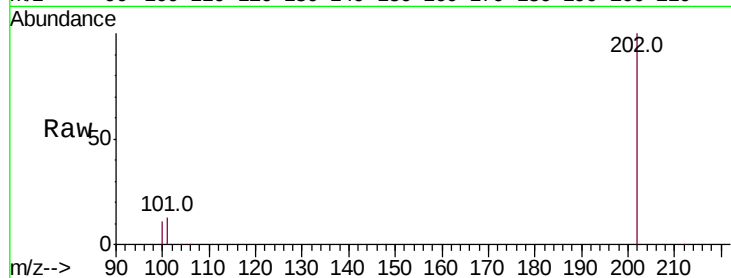




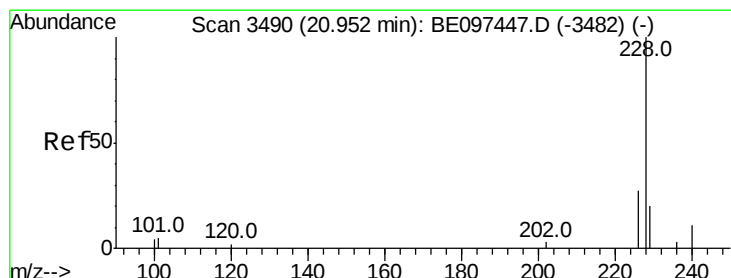
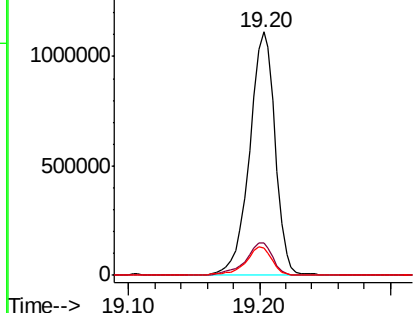
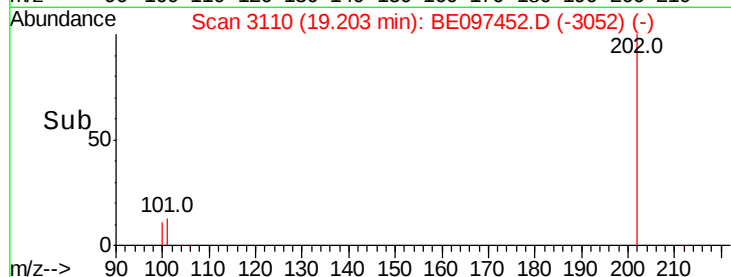
#17  
Pvrene  
Concen: 1485.876 ng/ul  
RT: 19.20 min Scan# 3110  
Delta R.T. 0.01 min  
Lab File: BE097452.D  
Acq: 12 Sep 2018 13:52

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:202 Resp: 1511424  
Ion Ratio Lower Upper  
202 100  
101 13.4 18.2 27.4#  
100 11.4 15.6 23.4#

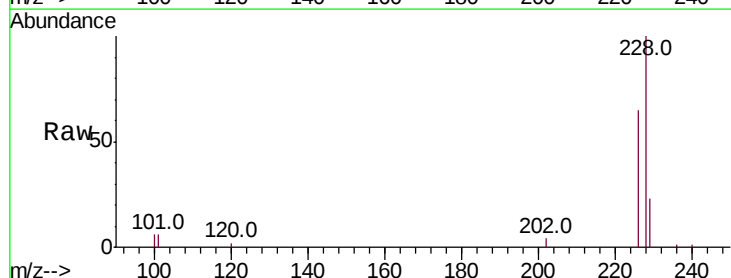


Abundance Ion 202.00 (201.70 to 202.70): E  
1500000  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): E

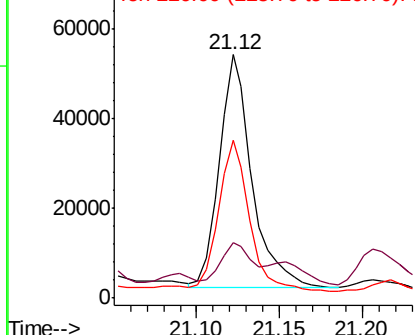
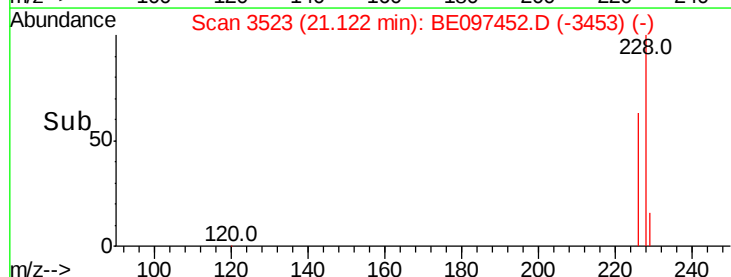


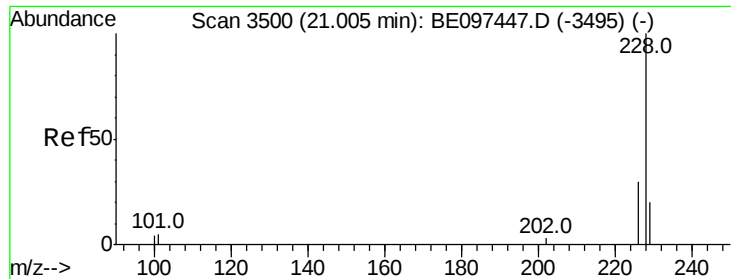
#18  
Benzo(a)anthracene  
Concen: 73.857 ng/ul  
RT: 21.12 min Scan# 3523  
Delta R.T. 0.17 min  
Lab File: BE097452.D  
Acq: 12 Sep 2018 13:52

Tgt Ion:228 Resp: 71717  
Ion Ratio Lower Upper  
228 100  
229 22.5 22.8 34.2#  
226 64.7 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E  
60000  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 780.104 ng/ul

RT: 21.01 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

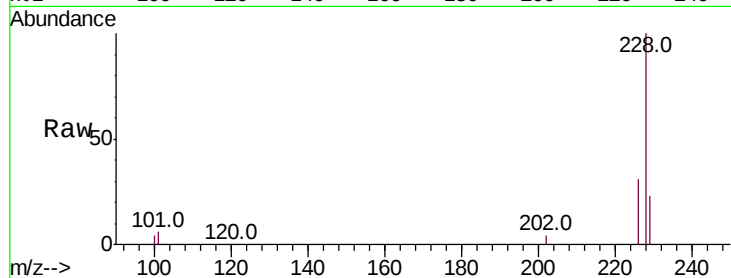
Tot Ion:228 Resp: 872755

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

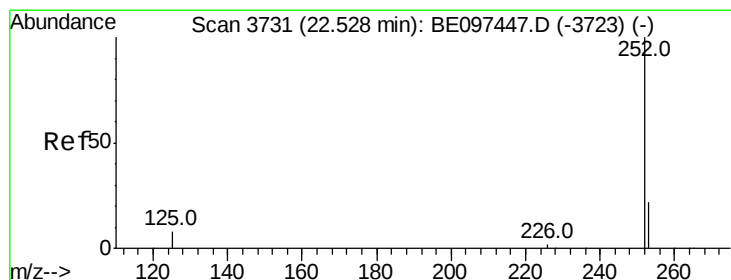
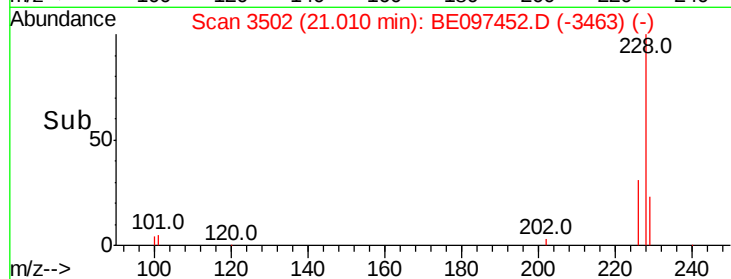
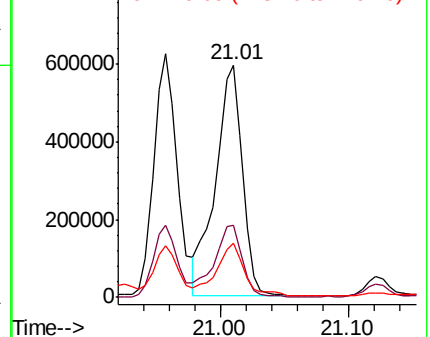
229 23.1 17.7 26.5



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



#21

Benzo(b)fluoranthene

Concen: 15.810 ng/ul

RT: 22.70 min Scan# 3757

Delta R.T. 0.18 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

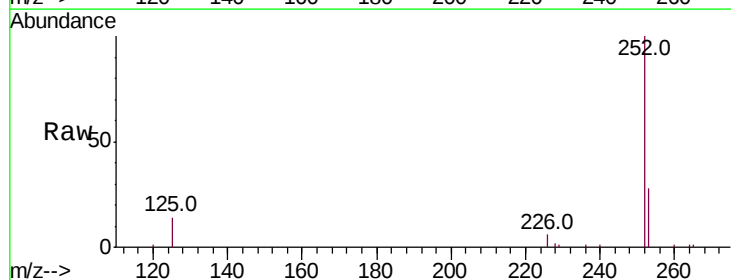
Tgt Ion:252 Resp: 159998

Ion Ratio Lower Upper

252 100

253 28.1 0.0 64.2

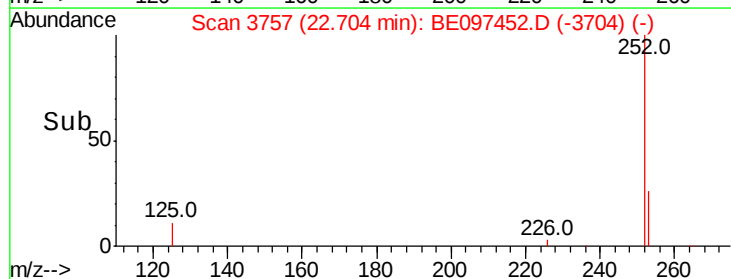
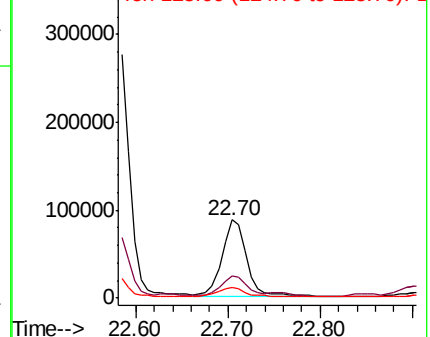
125 13.7 0.0 35.0

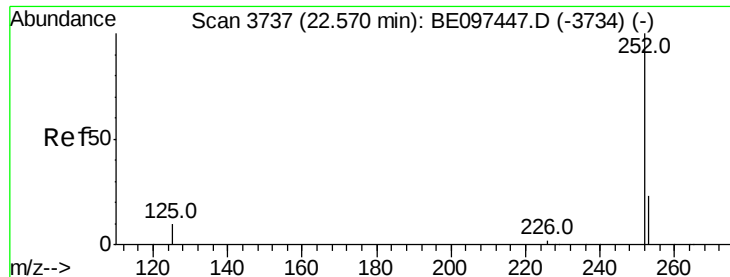


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 14.051 ng/ul

RT: 22.70 min Scan# 3757

Delta R.T. 0.13 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

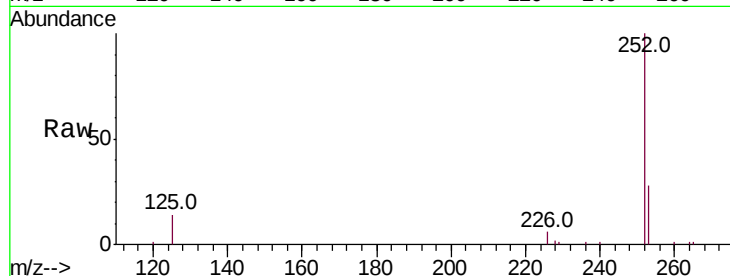
Tot Ion:252 Resp: 158569

Ion Ratio Lower Upper

252 100

253 28.1 24.5 36.7

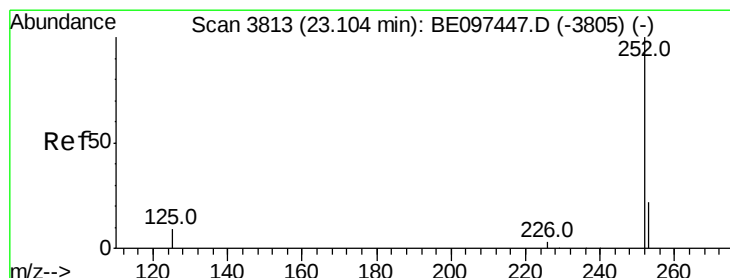
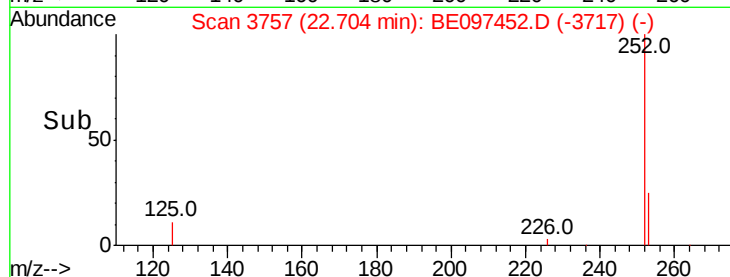
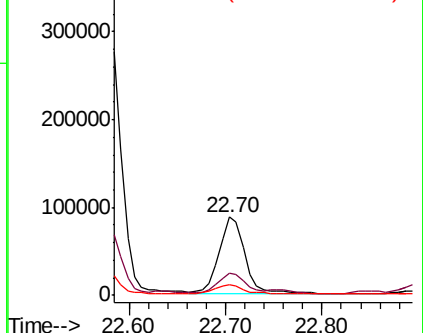
125 13.7 13.7 20.5



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



#23

Benzo(a)pyrene

Concen: 22.271 ng/ul

RT: 23.26 min Scan# 3836

Delta R.T. 0.16 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

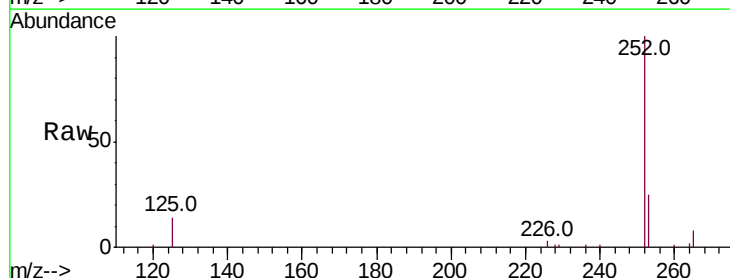
Tgt Ion:252 Resp: 208514

Ion Ratio Lower Upper

252 100

253 25.2 28.5 42.7#

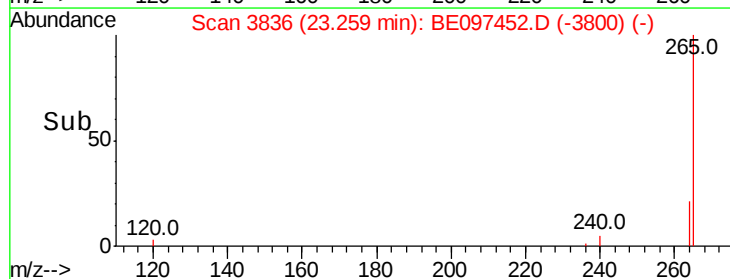
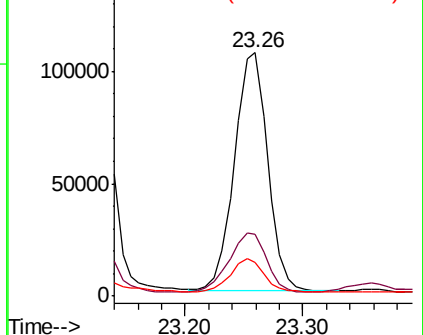
125 13.7 18.1 27.1#

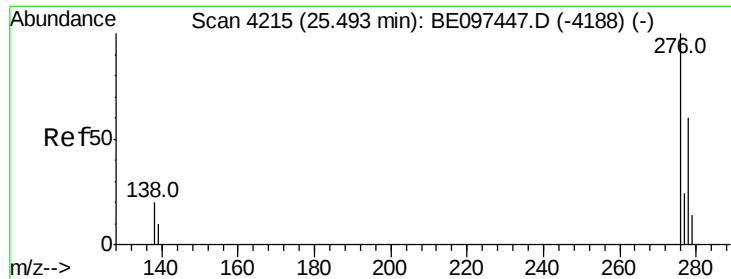


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

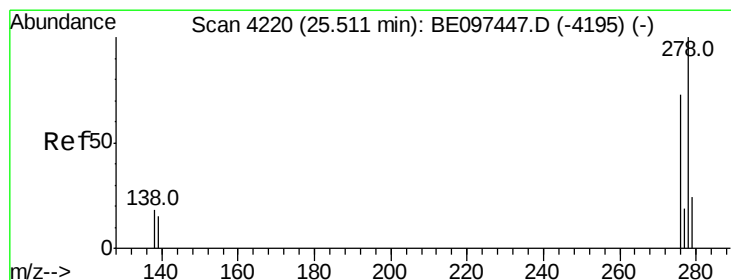
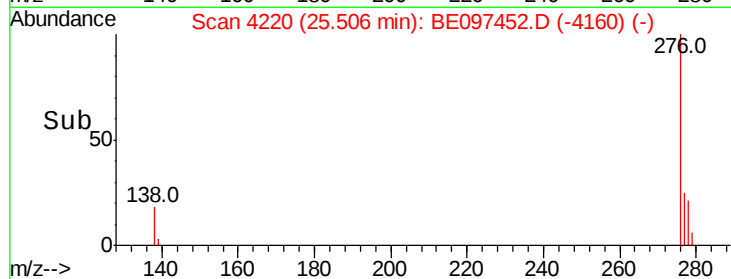
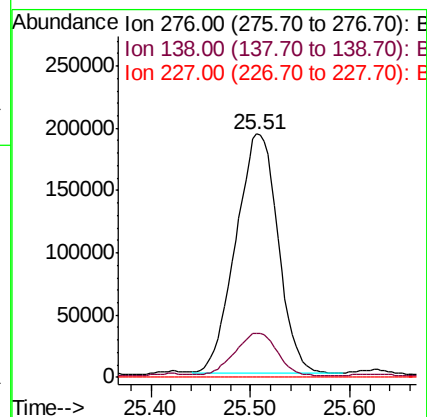
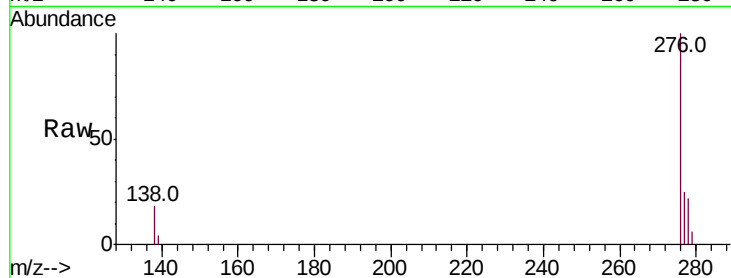




#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.307 ng/ul  
 RT: 25.51 min Scan# 4220  
 Delta R.T. 0.01 min  
 Lab File: BE097452.D  
 Acq: 12 Sep 2018 13:52

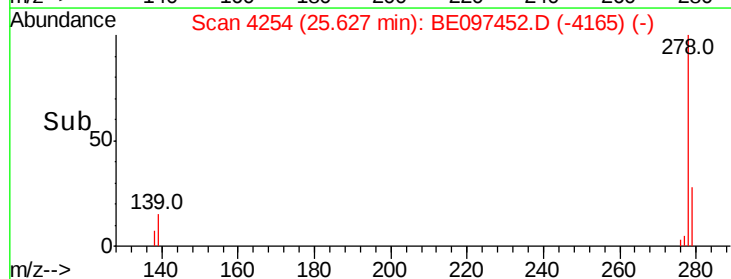
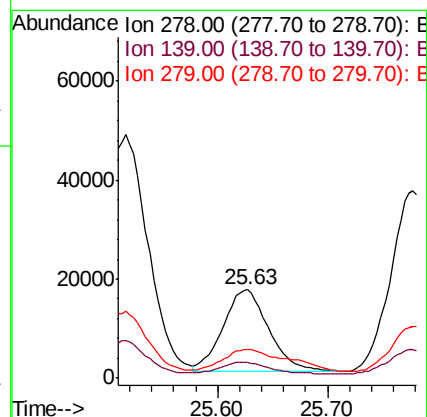
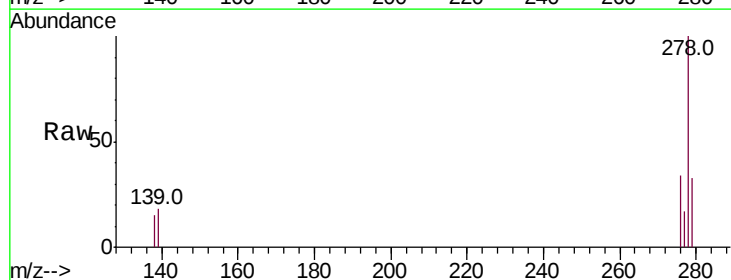
Instrument :  
 BNA\_E  
 ClientSampleId :

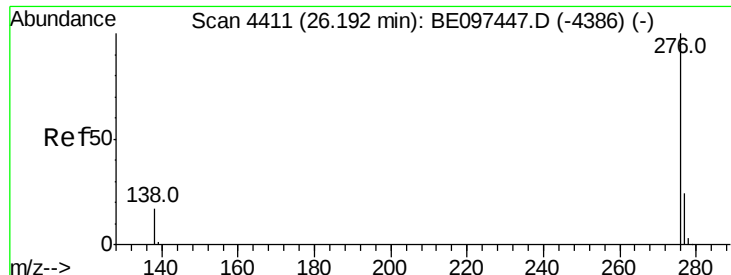
Tot Ion:276 Resp: 561935  
 Ion Ratio Lower Upper  
 276 100  
 138 18.1 28.0 42.0#  
 227 0.0 8.0 12.0#



#25  
 Dibenzo(a,h)anthracene  
 Concen: 4.659 ng/ul  
 RT: 25.63 min Scan# 4254  
 Delta R.T. 0.12 min  
 Lab File: BE097452.D  
 Acq: 12 Sep 2018 13:52

Tgt Ion:278 Resp: 47903  
 Ion Ratio Lower Upper  
 278 100  
 139 18.0 17.4 26.0  
 279 32.6 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 52.363 ng/ul

RT: 26.21 min Scan# 4418

Delta R.T. 0.02 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA\_E

ClientSampleId :

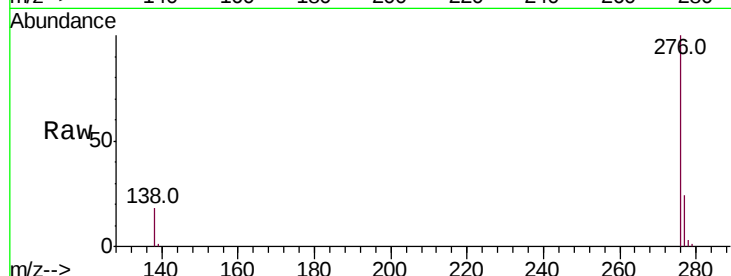
Tot Ion:276 Resp: 541711

Ion Ratio Lower Upper

276 100

138 18.4 21.8 32.8#

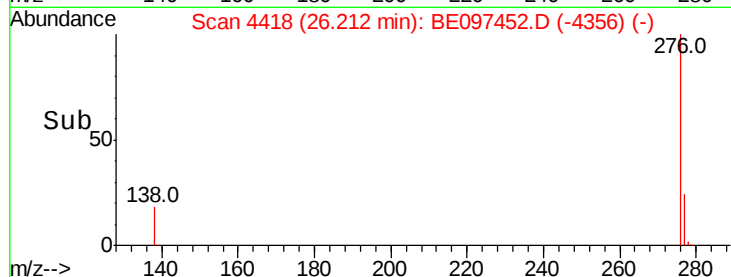
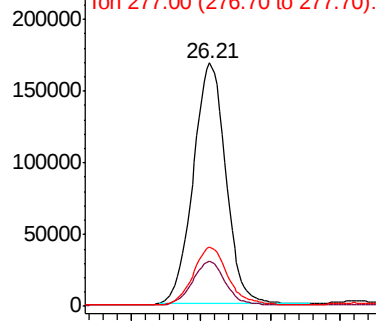
277 24.4 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->