

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\  
 Data File : BE097461.D  
 Acq On : 12 Sep 2018 21:30  
 Operator : SJ/JU  
 Sample : J4792-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 13 01:53:20 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 01:51:24 2018  
 Response via : Initial Calibration

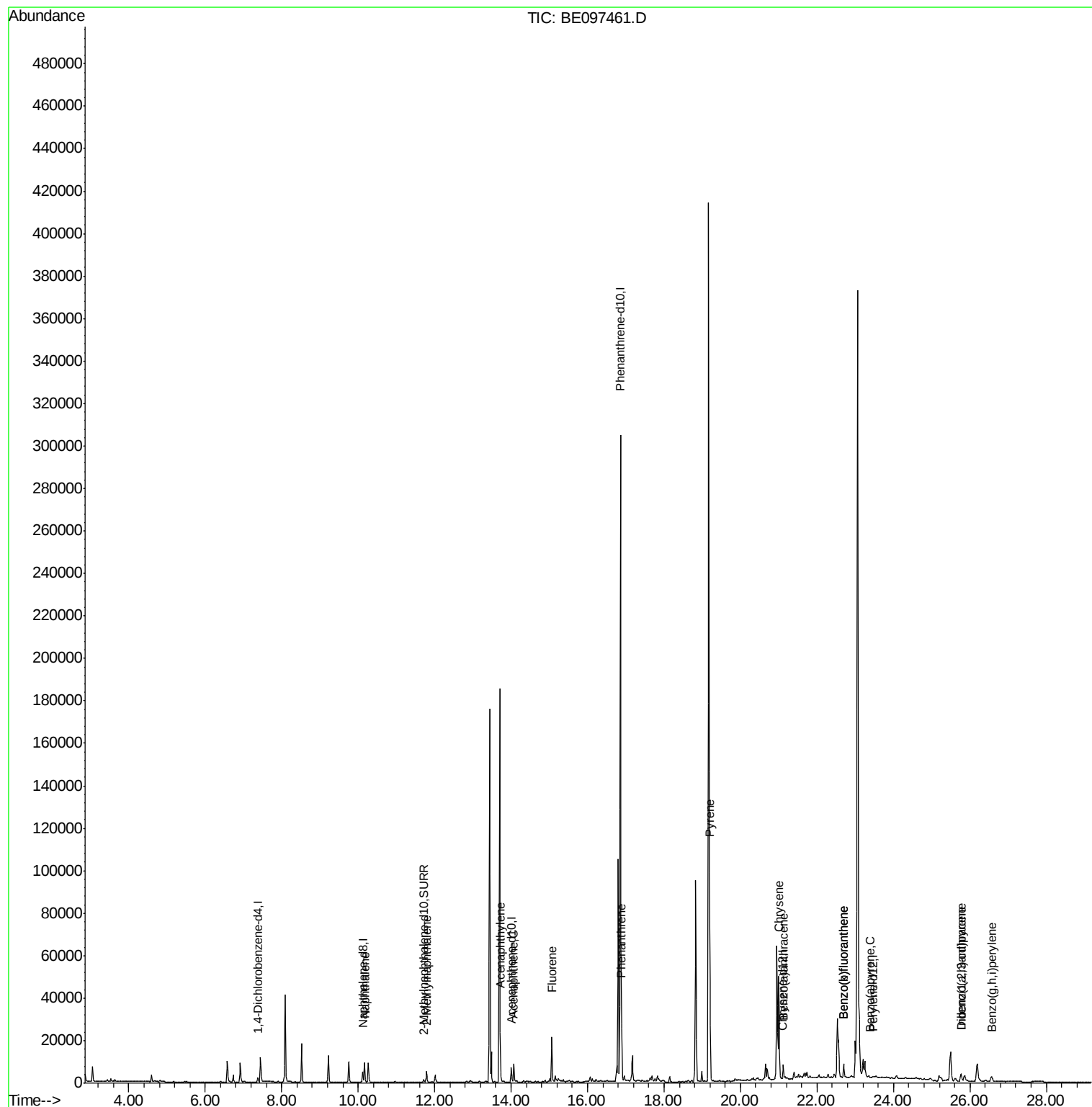
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 850      | 0.40     | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.12 | 136  | 4740     | 0.40     | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.01 | 164  | 3405     | 0.40     | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.86 | 188  | 339795   | 0.40     | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.10 | 240  | 24       | 0.40     | ng/ul  | 0.13     |
| 20) Perylene-d12            | 23.46 | 264  | 223      | 0.40     | ng/ul  | 0.26     |
| System Monitoring Compounds |       |      |          |          |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.71 | 152  | 1502     | 0.20     | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00     | ng/ul  |          |
| Target Compounds            |       |      |          | Ovalue   |        |          |
| 3) Naphthalene              | 10.17 | 128  | 13354    | 1.155    | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 11.79 | 142  | 4558     | 0.624    | ng/ul  | 97       |
| 7) Acenaphthylene           | 13.72 | 152  | 8042     | 0.648    | ng/ul  | 98       |
| 8) Acenaphthene             | 14.07 | 153  | 4926     | 0.462    | ng/ul  | 95       |
| 9) Fluorene                 | 15.07 | 166  | 12980    | 1.062    | ng/ul  | 92       |
| 12) Phenanthrene            | 16.89 | 178  | 27508    | 0.031    | ng/ul# | 89       |
| 17) Pyrene                  | 19.20 | 202  | 100125   | 1550.313 | ng/ul# | 80       |
| 18) Benzo(a)anthracene      | 21.12 | 228  | 4756     | 77.142   | ng/ul# | 54       |
| 19) Chrysene                | 21.00 | 228  | 42074    | 592.318  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.70 | 252  | 8439     | 14.131   | ng/ul  | 98       |
| 22) Benzo(k)fluoranthene    | 22.70 | 252  | 7721     | 11.594   | ng/ul  | 98       |
| 23) Benzo(a)pyrene          | 23.41 | 252  | 128      | 0.232    | ng/ul# | 1        |
| 24) Indeno(1,2,3-cd)pyrene  | 25.77 | 276  | 1384     | 1.933    | ng/ul# | 83       |
| 25) Dibenzo(a,h)anthracene  | 25.77 | 278  | 5413     | 8.922    | ng/ul  | 97       |
| 26) Benzo(g,h,i)perylene    | 26.56 | 276  | 5027     | 8.234    | ng/ul# | 91       |

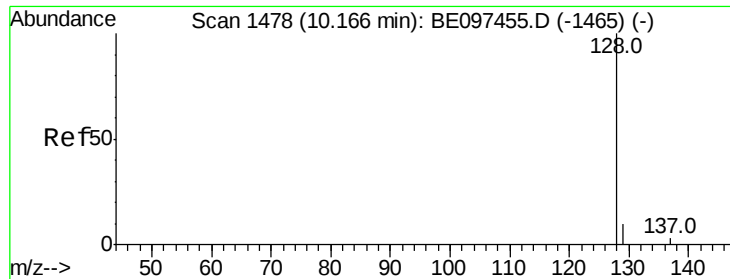
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Sep 13 01:53:20 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 01:51:24 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.155 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :

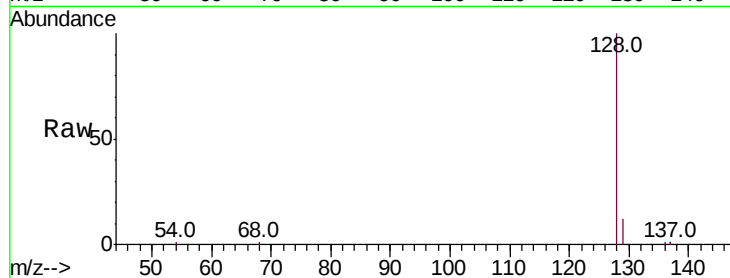
Tot Ion:128 Resp: 13354

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

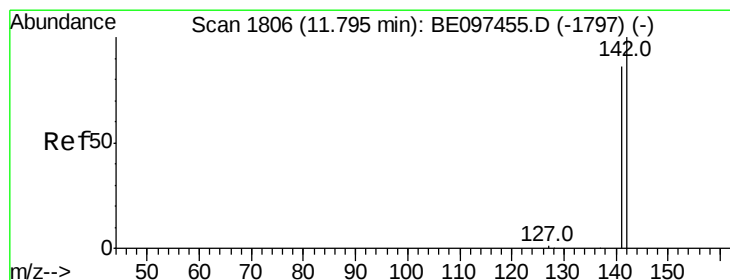
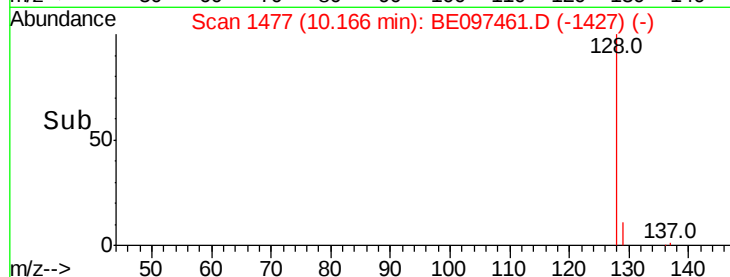
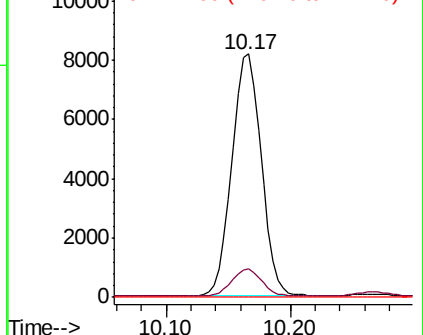
127 0.0 4.0 6.0#



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: 0.624 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097461.D

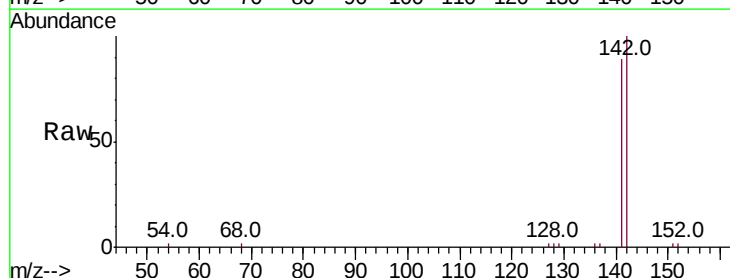
Acq: 12 Sep 2018 21:30

Tgt Ion:142 Resp: 4558

Ion Ratio Lower Upper

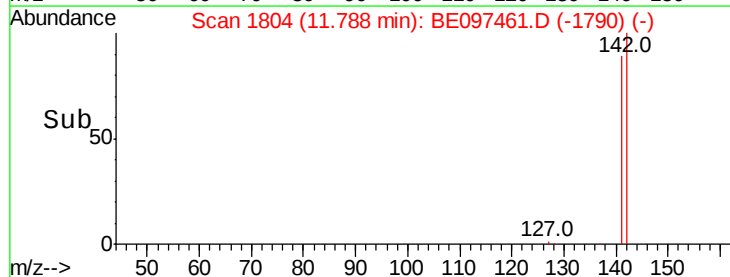
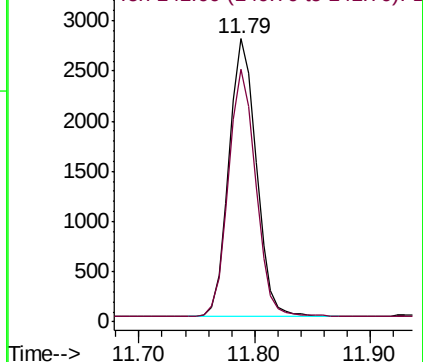
142 100

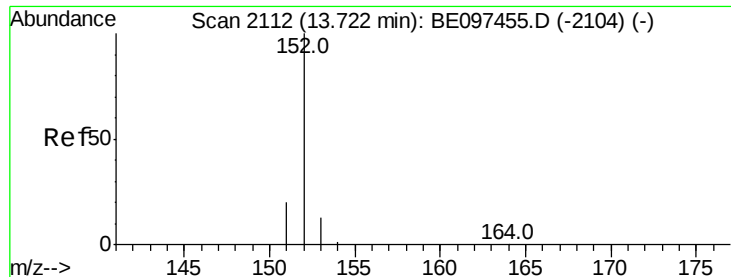
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.648 ng/ul

RT: 13.72 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :

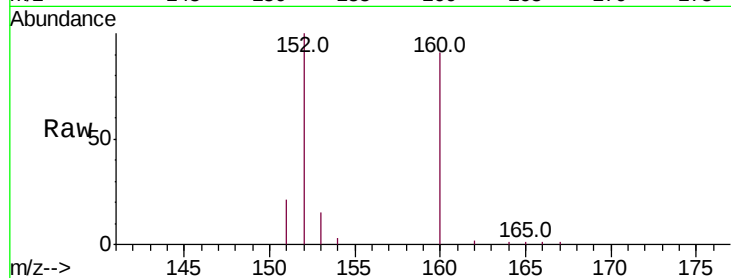
Tot Ion:152 Resp: 8042

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

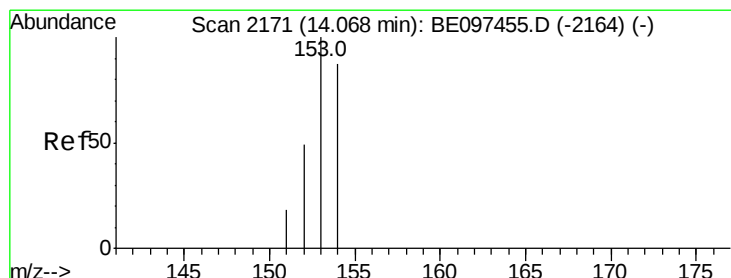
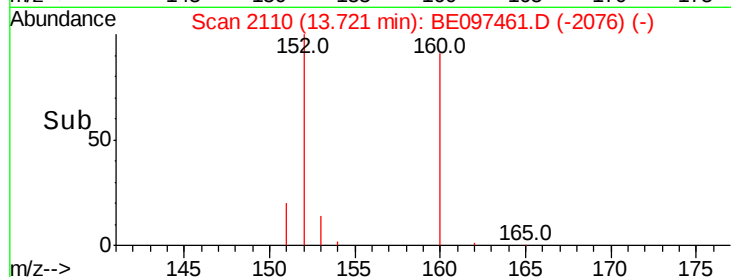
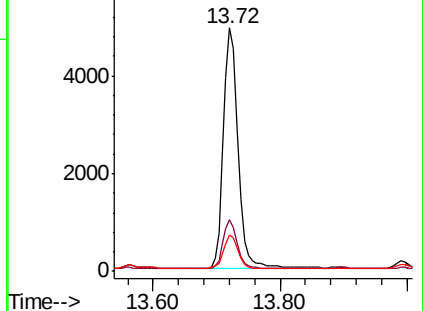
153 14.6 12.8 19.2



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: 0.462 ng/ul

RT: 14.07 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

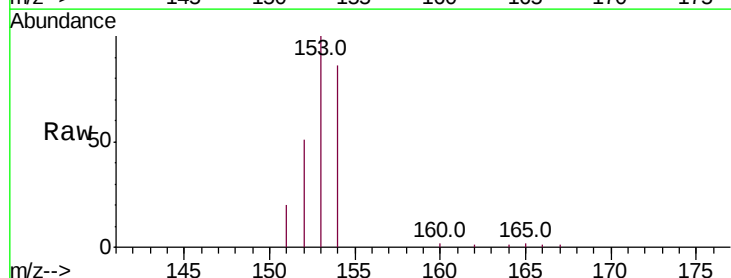
Tgt Ion:153 Resp: 4926

Ion Ratio Lower Upper

153 100

152 50.7 36.0 54.0

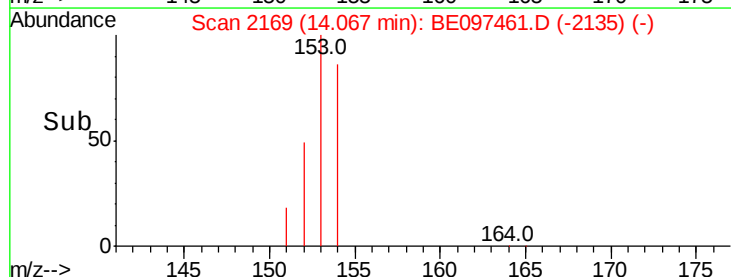
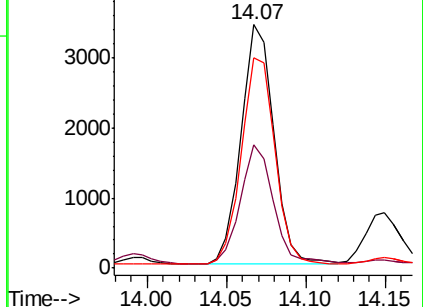
154 86.4 72.0 108.0

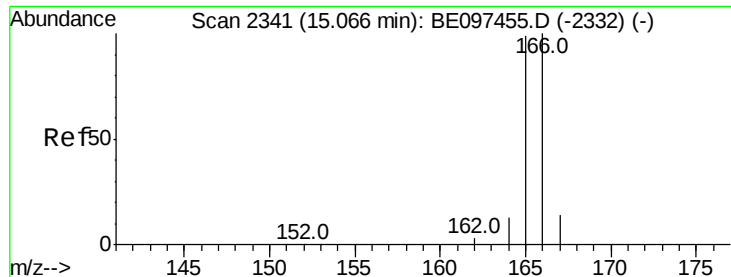


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.062 ng/ul

RT: 15.07 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :

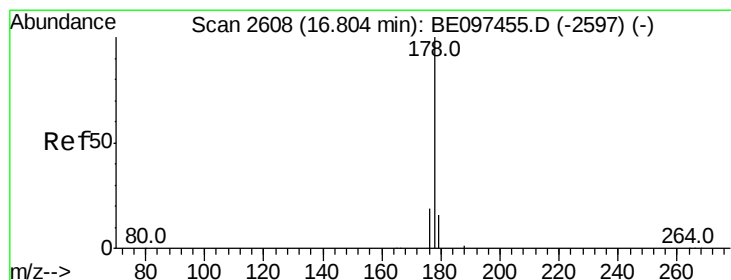
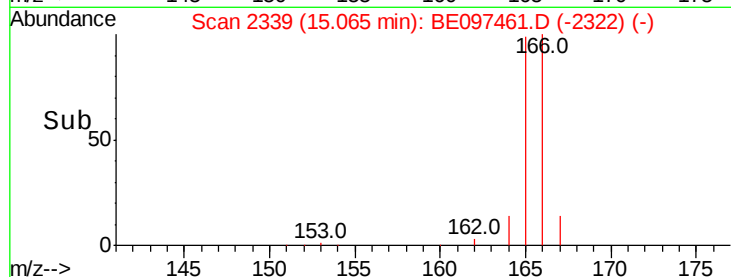
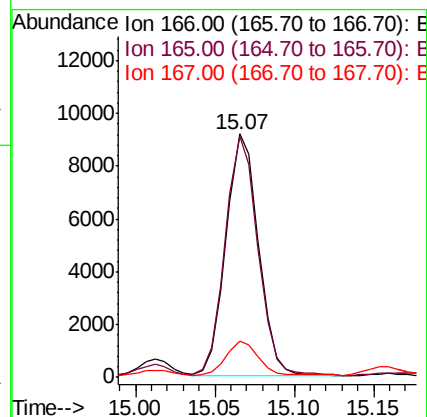
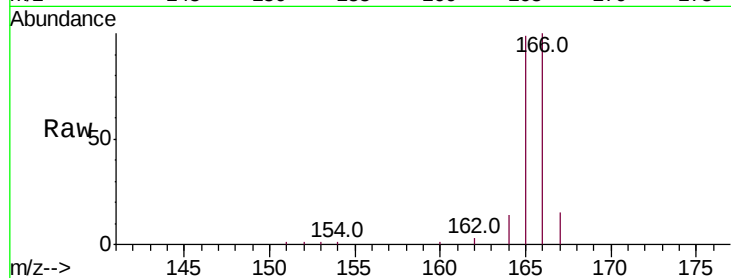
Tot Ion:166 Resp: 12980

Ion Ratio Lower Upper

166 100

165 99.1 73.4 110.2

167 14.8 14.6 22.0



#12

Phenanthrene

Concen: 0.031 ng/ul

RT: 16.89 min Scan# 2618

Delta R.T. 0.08 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

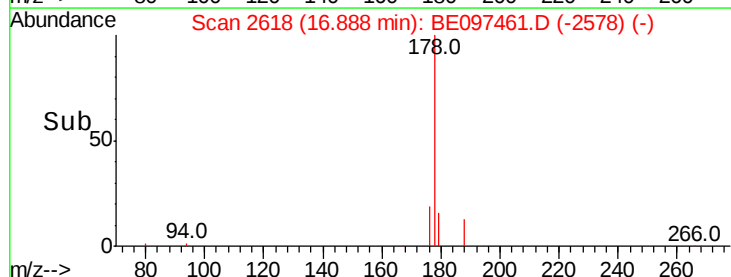
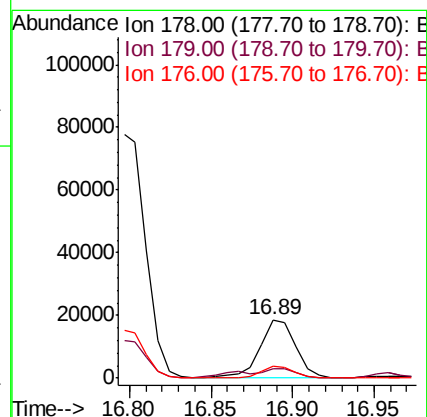
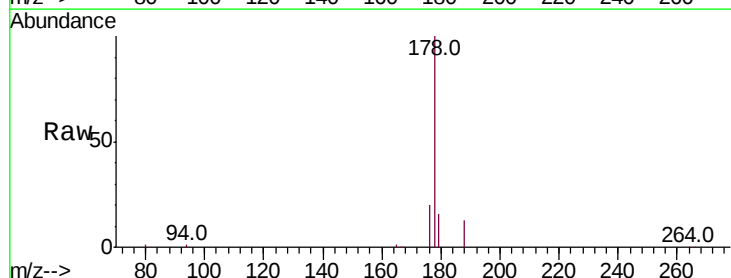
Tgt Ion:178 Resp: 27508

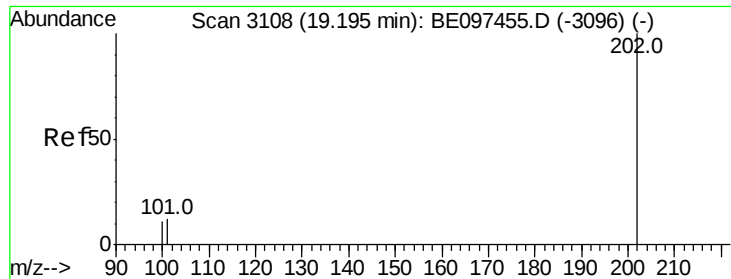
Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 19.6 13.6 20.4

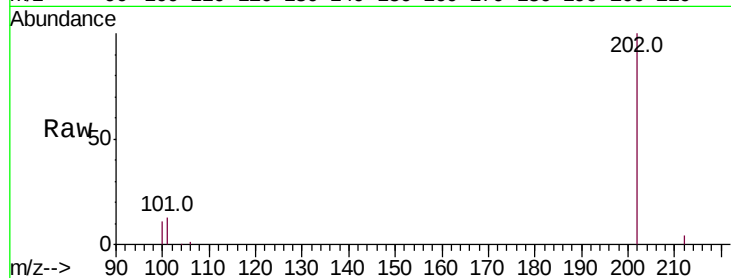




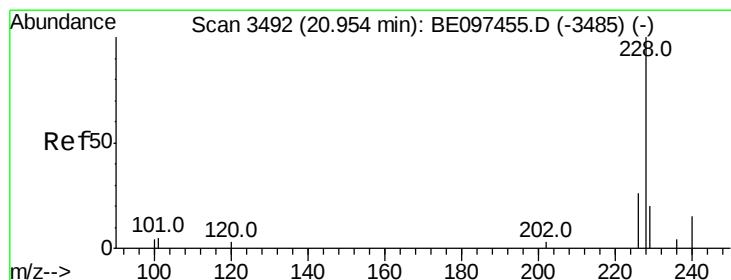
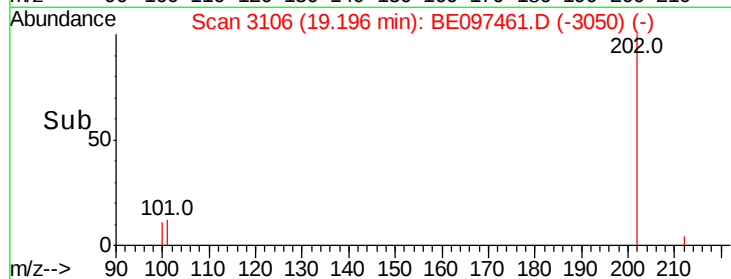
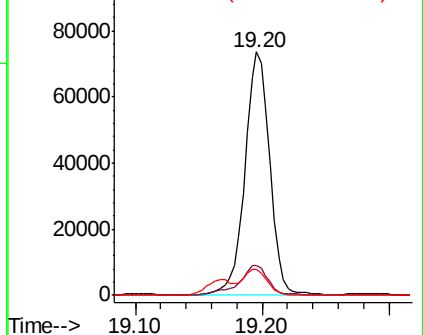
#17  
Pvrene  
Concen: 1550.313 ng/ul  
RT: 19.20 min Scan# 3106  
Delta R.T. 0.00 min  
Lab File: BE097461.D  
Acq: 12 Sep 2018 21:30

Instrument :  
BNA\_E  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.5  | 18.2  | 27.4# |
| 100     | 10.8  | 15.6  | 23.4# |

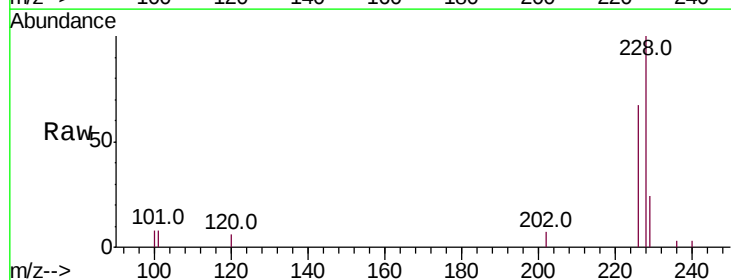


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): BE

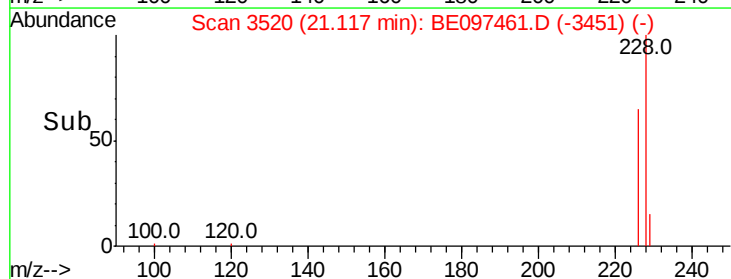
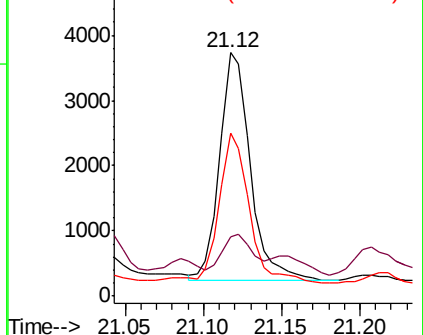


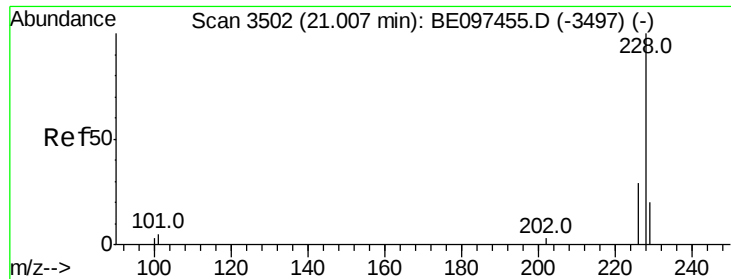
#18  
Benzo(a)anthracene  
Concen: 77.142 ng/ul  
RT: 21.12 min Scan# 3520  
Delta R.T. 0.16 min  
Lab File: BE097461.D  
Acq: 12 Sep 2018 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 24.4  | 22.8  | 34.2  |
| 226     | 67.2  | 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: 592.318 ng/ul

RT: 21.00 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :

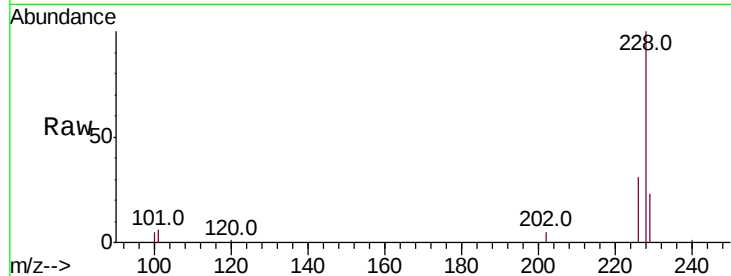
Tot Ion:228 Resp: 42074

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

229 23.0 17.7 26.5

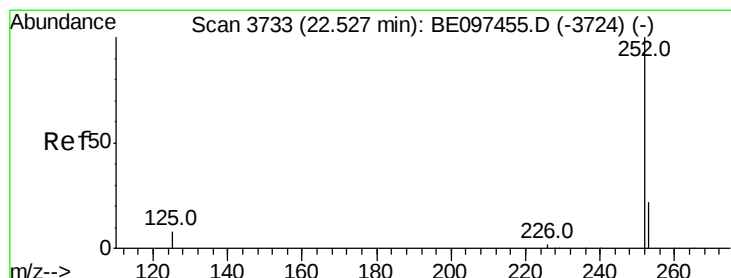
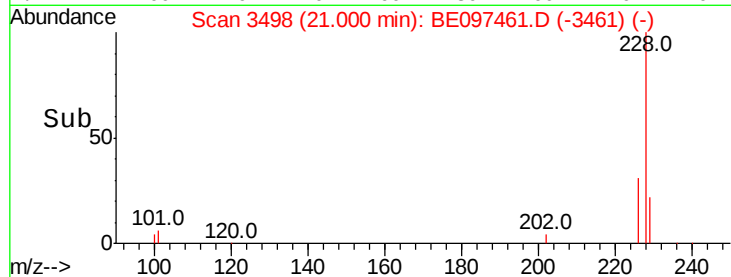
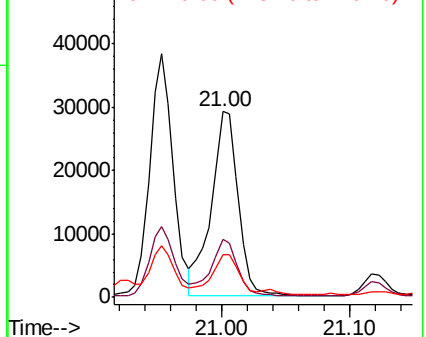


Abundance

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



#21

Benzo(b)fluoranthene

Concen: 14.131 ng/ul

RT: 22.70 min Scan# 3755

Delta R.T. 0.18 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

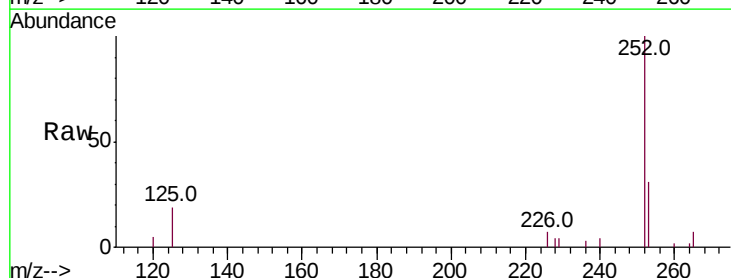
Tgt Ion:252 Resp: 8439

Ion Ratio Lower Upper

252 100

253 31.0 0.0 64.2

125 18.9 0.0 35.0

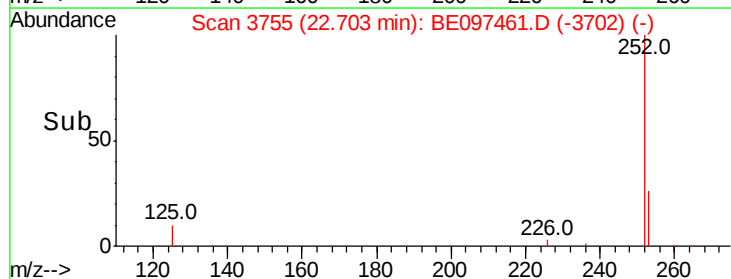
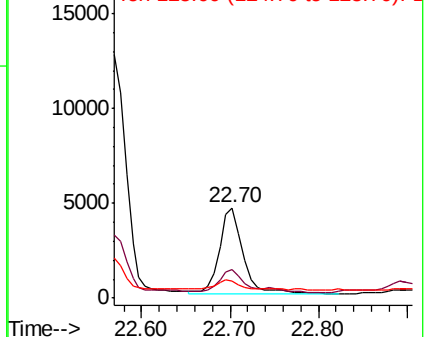


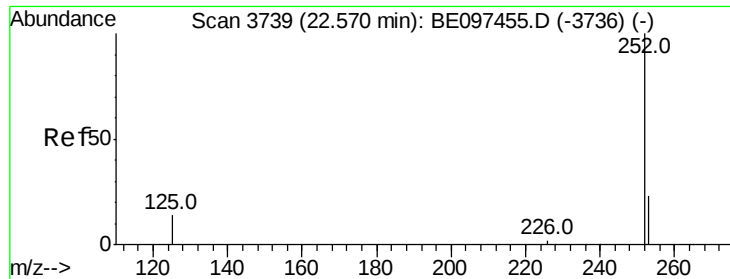
Abundance

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: 11.594 ng/ul

RT: 22.70 min Scan# 3755

Delta R.T. 0.13 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :

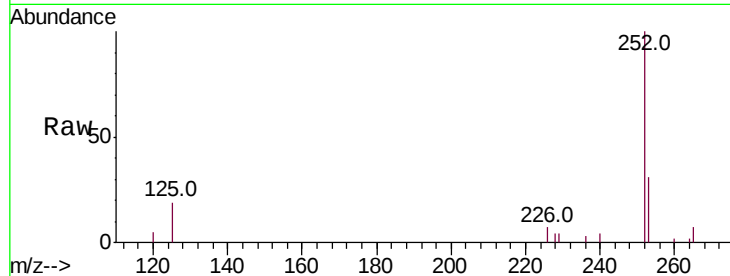
Tot Ion:252 Resp: 7721

Ion Ratio Lower Upper

252 100

253 31.0 24.5 36.7

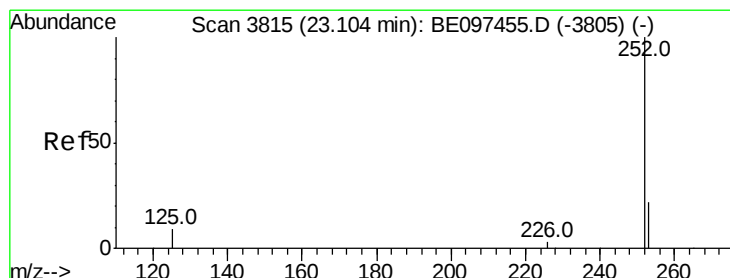
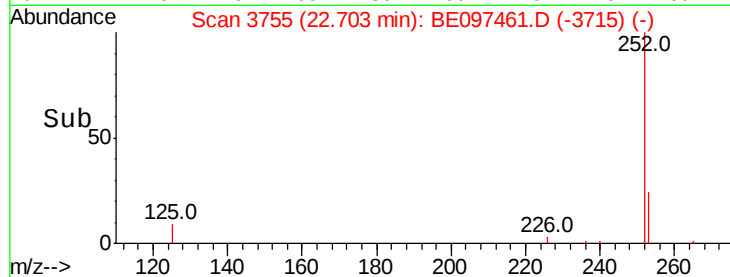
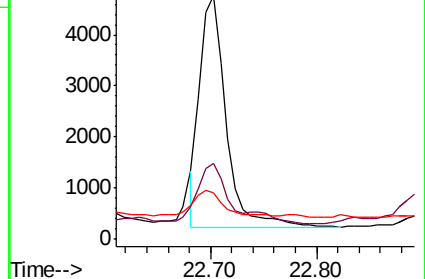
125 18.9 13.7 20.5



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: 0.232 ng/ul

RT: 23.41 min Scan# 3855

Delta R.T. 0.30 min

Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

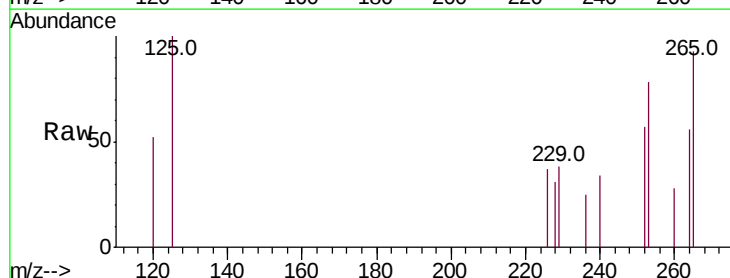
Tgt Ion:252 Resp: 128

Ion Ratio Lower Upper

252 100

253 136.8 28.5 42.7#

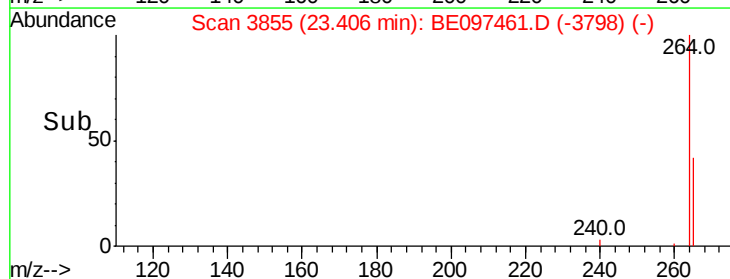
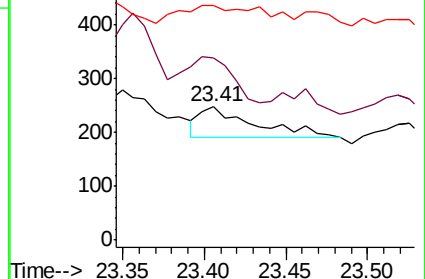
125 176.5 18.1 27.1#

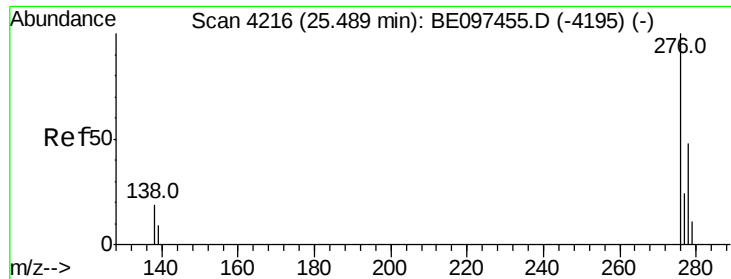


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

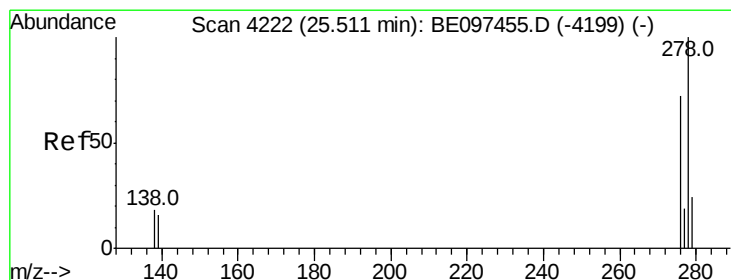
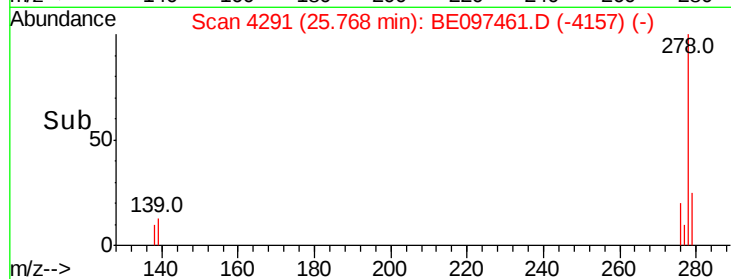
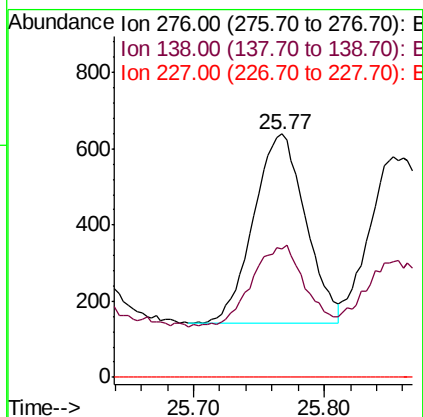
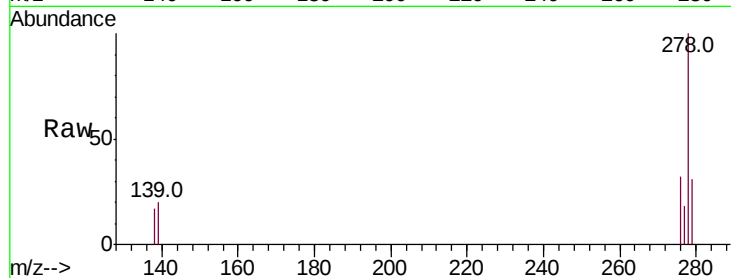




#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.933 ng/ul  
 RT: 25.77 min Scan# 4291  
 Delta R.T. 0.28 min  
 Lab File: BE097461.D  
 Acq: 12 Sep 2018 21:30

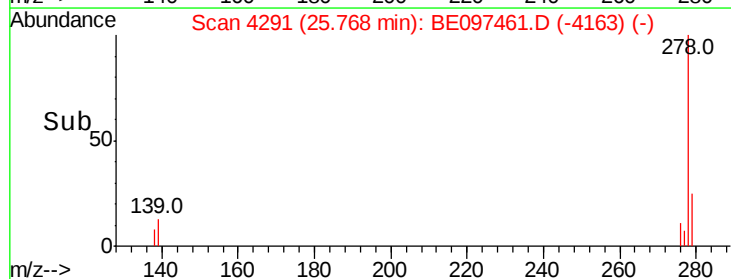
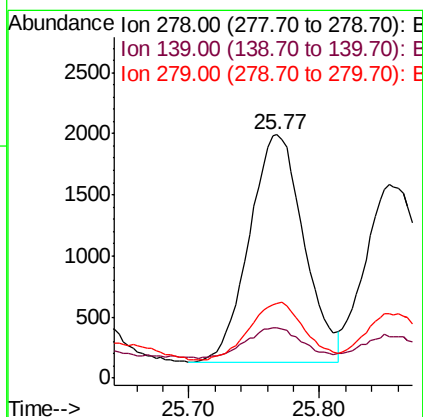
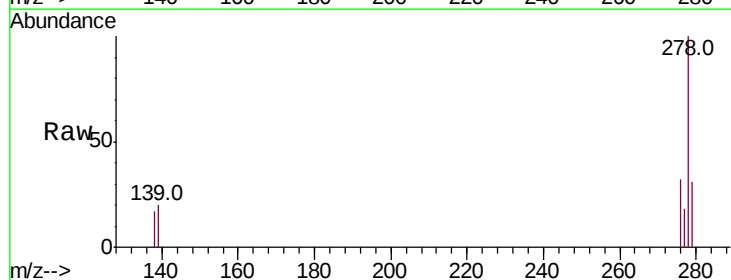
Instrument :  
 BNA\_E  
 ClientSampleId :

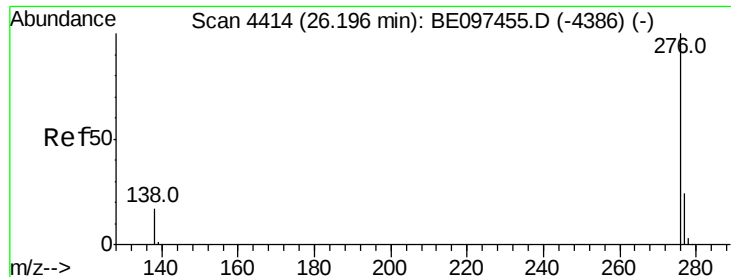
Tot Ion:276 Resp: 1384  
 Ion Ratio Lower Upper  
 276 100  
 138 43.1 28.0 42.0#  
 227 0.0 8.0 12.0#



#25  
 Dibenzo(a,h)anthracene  
 Concen: 8.922 ng/ul  
 RT: 25.77 min Scan# 4291  
 Delta R.T. 0.26 min  
 Lab File: BE097461.D  
 Acq: 12 Sep 2018 21:30

Tgt Ion:278 Resp: 5413  
 Ion Ratio Lower Upper  
 278 100  
 139 20.4 17.4 26.0  
 279 30.8 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 8.234 ng/ul

RT: 26.56 min Scan# 4514

Delta R.T. 0.37 min

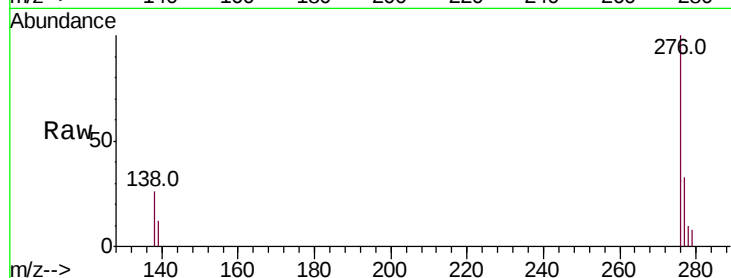
Lab File: BE097461.D

Acq: 12 Sep 2018 21:30

Instrument :

BNA\_E

ClientSampleId :



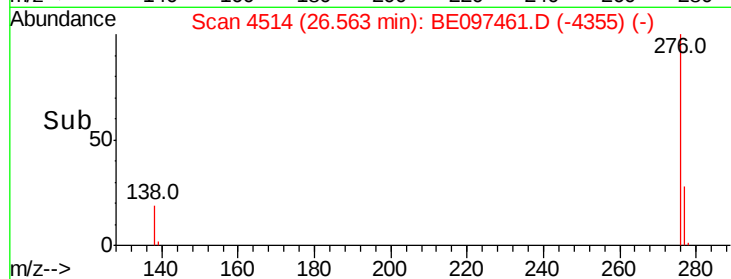
Tot Ion: 276 Resp: 5027

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.8

277 33.4 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

