

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE090718\  
 Data File : BE097425.D  
 Acq On : 7 Sep 2018 15:10  
 Operator : SJ/JU  
 Sample : J4688-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Sep 07 23:51:37 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 : Fri Sep 07 23:49:56 2018  
 Response via : Initial Calibration

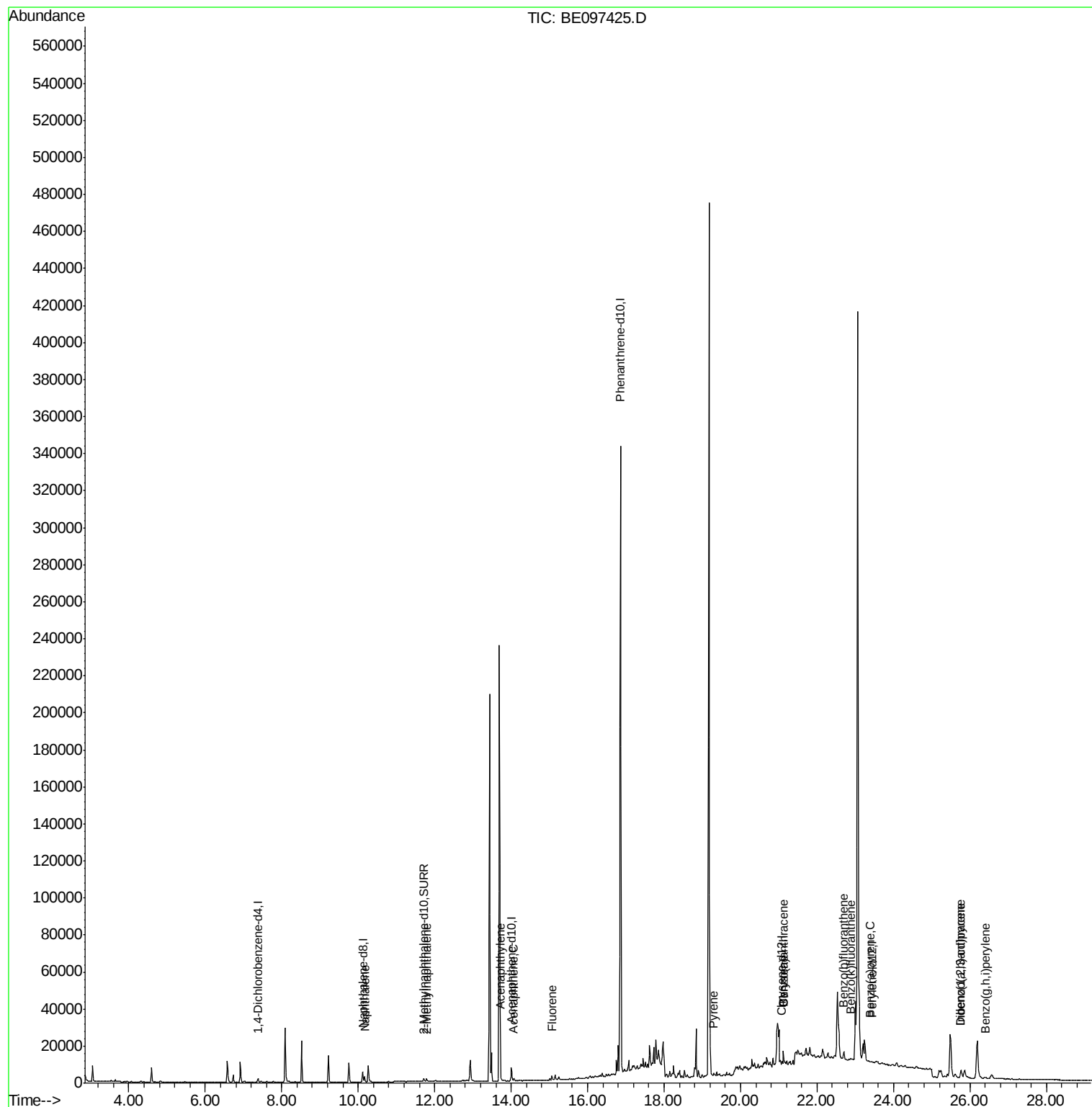
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 1054     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.12 | 136  | 5578     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.01 | 164  | 4108     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.86 | 188  | 399912   | 0.40   | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.08 | 240  | 239      | 0.40   | ng/ul  | 0.12     |
| 20) Perylene-d12            | 23.46 | 264  | 198      | 0.40   | ng/ul  | 0.25     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.71 | 152  | 1966     | 0.23   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.91 | 212  | 589      | 0.00   | ng/ul  | 0.11     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.17 | 128  | 4712     | 0.346  | ng/ul# | 93       |
| 5) 2-Methylnaphthalene      | 11.79 | 142  | 1188     | 0.138  | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.72 | 152  | 1259     | 0.084  | ng/ul# | 55       |
| 8) Acenaphthene             | 14.07 | 153  | 1005     | 0.078  | ng/ul# | 90       |
| 9) Fluorene                 | 15.07 | 166  | 1310     | 0.089  | ng/ul# | 81       |
| 17) Pyrene                  | 19.29 | 202  | 942      | 1.465  | ng/ul# | 66       |
| 18) Benzo(a)anthracene      | 21.12 | 228  | 5139     | 8.370  | ng/ul# | 14       |
| 19) Chrysene                | 21.12 | 228  | 5139     | 7.265  | ng/ul# | 16       |
| 21) Benzo(b)fluoranthene    | 22.70 | 252  | 5940     | 11.202 | ng/ul# | 30       |
| 22) Benzo(k)fluoranthene    | 22.89 | 252  | 1444     | 2.442  | ng/ul# | 1        |
| 23) Benzo(a)pyrene          | 23.40 | 252  | 400      | 0.815  | ng/ul# | 1        |
| 24) Indeno(1,2,3-cd)pyrene  | 25.77 | 276  | 1740     | 2.737  | ng/ul# | 78       |
| 25) Dibenzo(a,h)anthracene  | 25.77 | 278  | 6450     | 11.973 | ng/ul# | 74       |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 973      | 1.795  | ng/ul# | 19       |

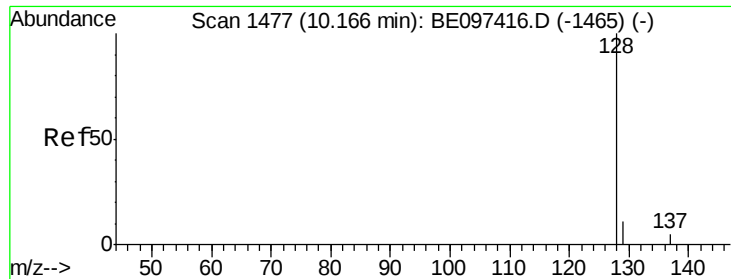
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 23:51:37 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 : Fri Sep 07 23:49:56 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.346 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

Instrument :

BNA\_E

ClientSampleId :

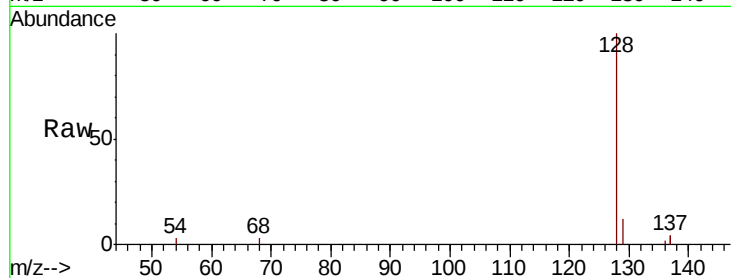
Tot Ion:128 Resp: 4712

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

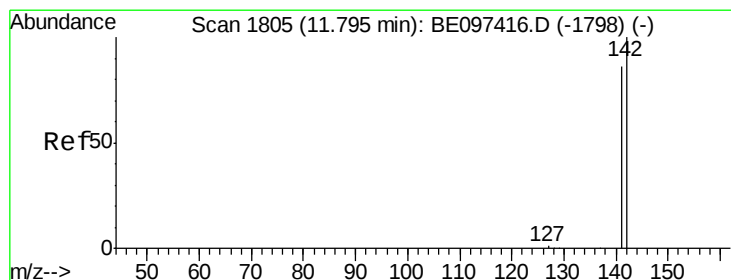
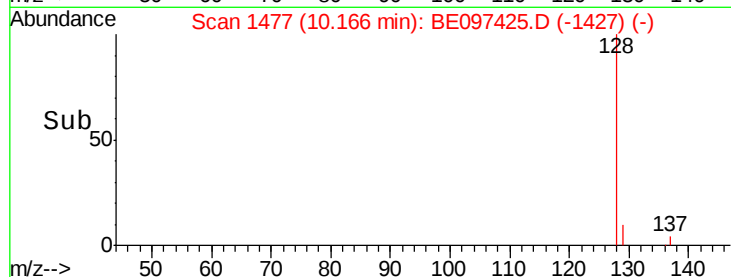
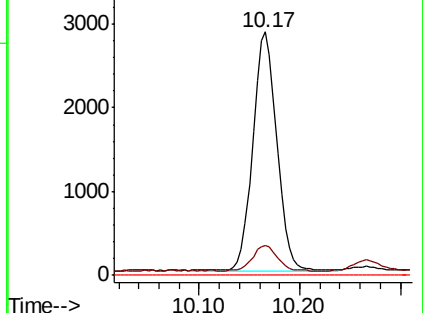
127 0.0 4.0 6.0#



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: 0.138 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097425.D

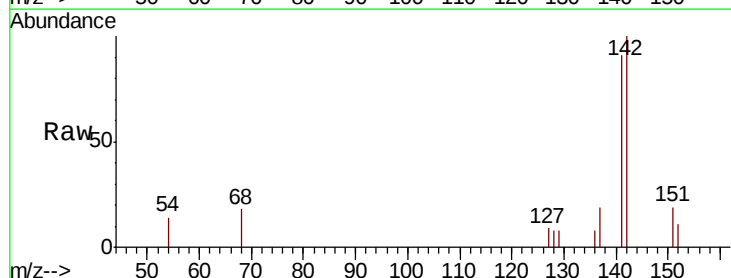
Acq: 7 Sep 2018 15:10

Tgt Ion:142 Resp: 1188

Ion Ratio Lower Upper

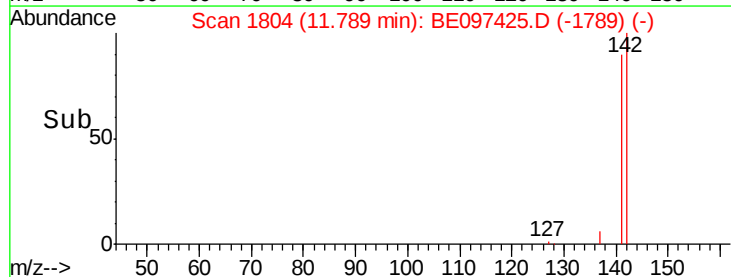
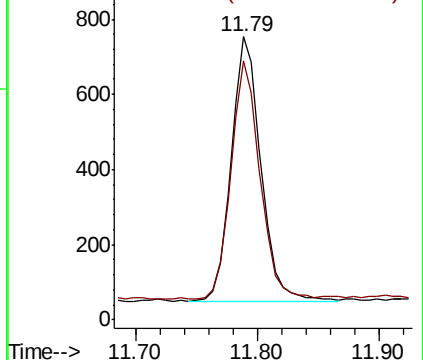
142 100

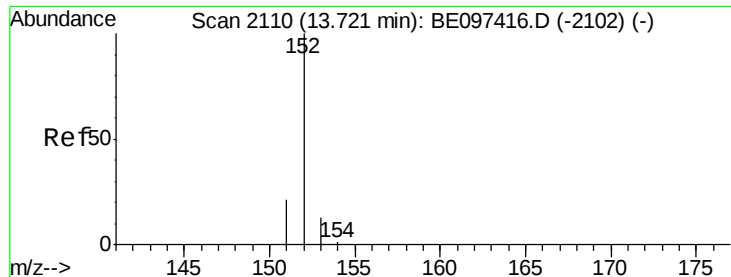
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

Instrument :

BNA\_E

ClientSampleId :

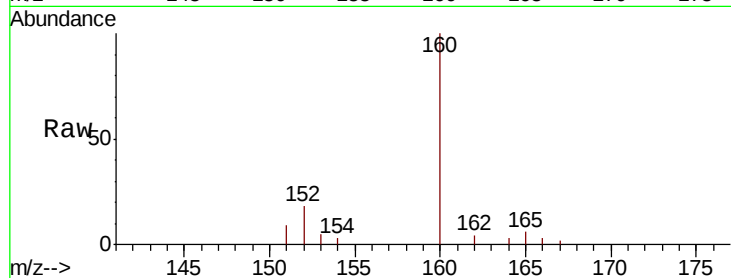
Tot Ion:152 Resp: 1259

Ion Ratio Lower Upper

152 100

151 49.6 17.1 25.7#

153 27.0 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

13.72

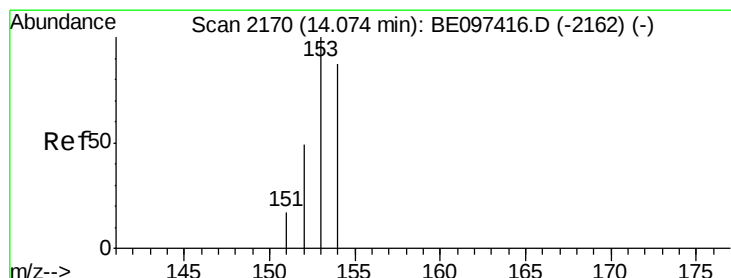
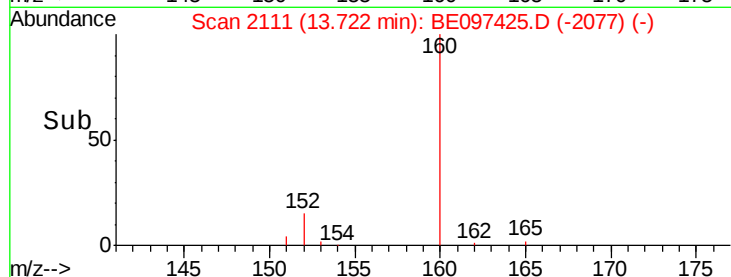
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.078 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

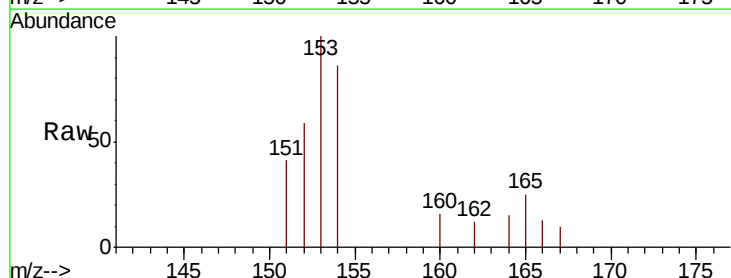
Tgt Ion:153 Resp: 1005

Ion Ratio Lower Upper

153 100

152 58.6 36.0 54.0#

154 85.6 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

14.07

1000

800

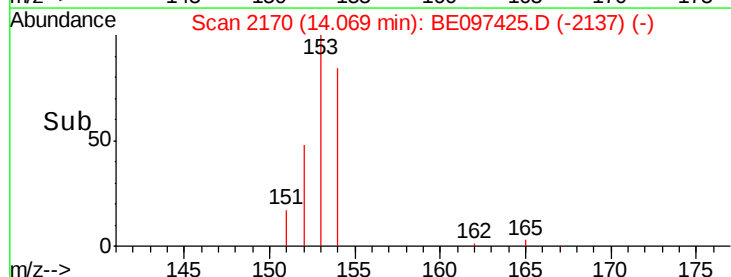
600

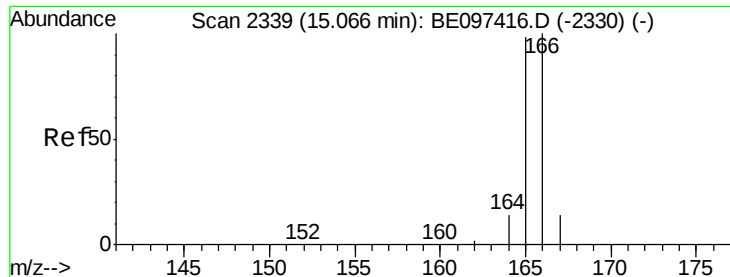
400

200

0

Time-->





#9

Fluorene

Concen: 0.089 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

Instrument :

BNA\_E

ClientSampleId :

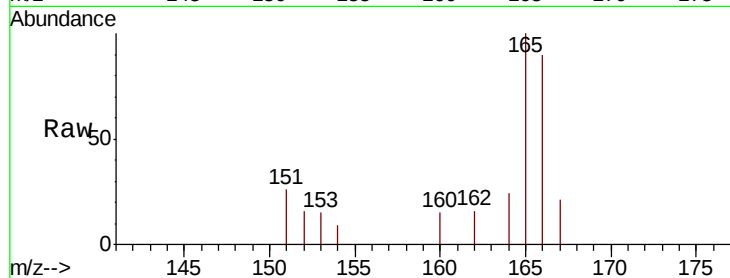
Tot Ion:166 Resp: 1310

Ion Ratio Lower Upper

166 100

165 111.5 73.4 110.2#

167 23.5 14.6 22.0#

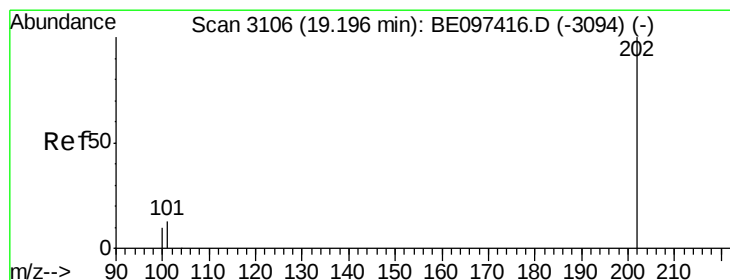
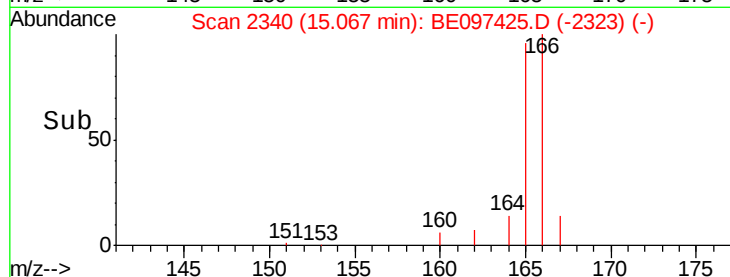
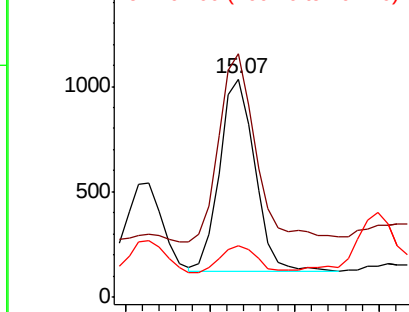


Abundance

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



#17

Pyrene

Concen: 1.465 ng/ul

RT: 19.29 min Scan# 3133

Delta R.T. 0.10 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

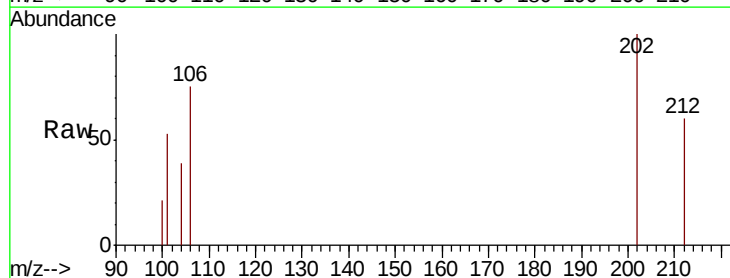
Tgt Ion:202 Resp: 942

Ion Ratio Lower Upper

202 100

101 52.6 18.2 27.4#

100 20.5 15.6 23.4

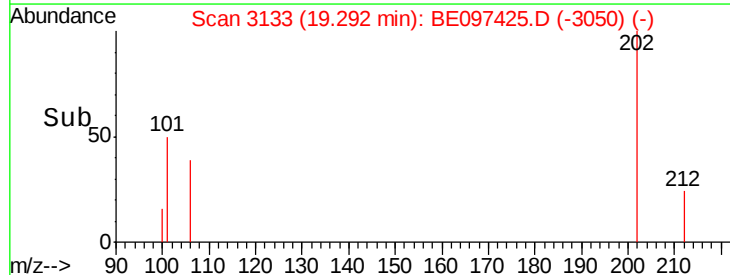
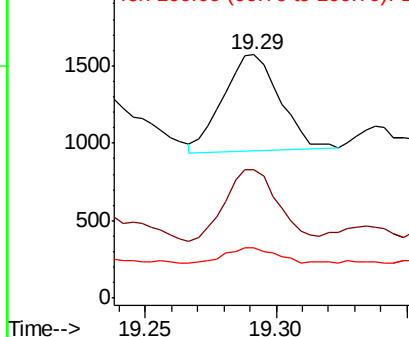


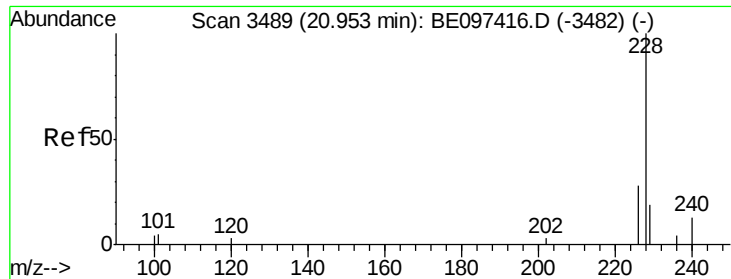
Abundance

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

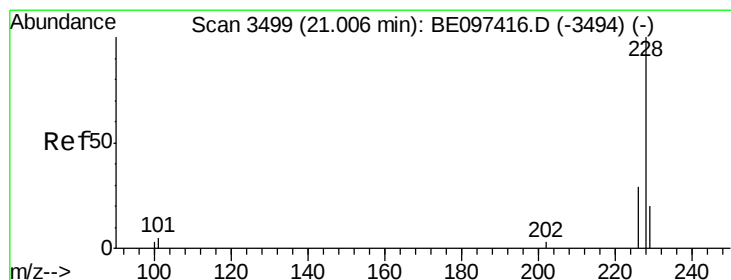
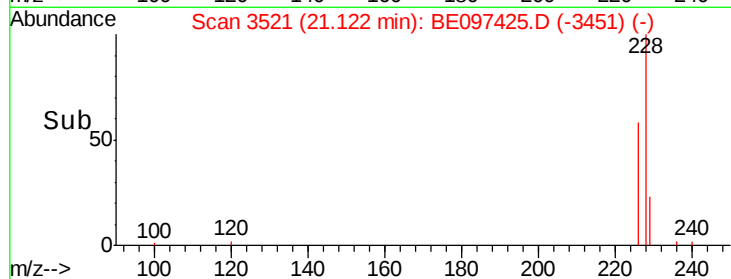
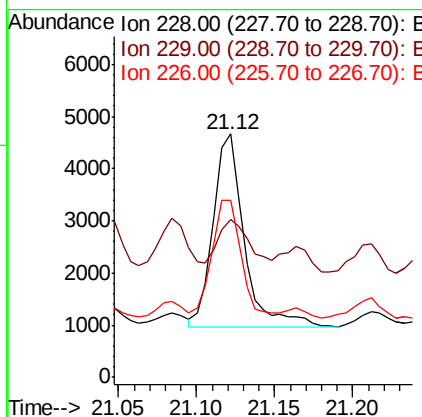
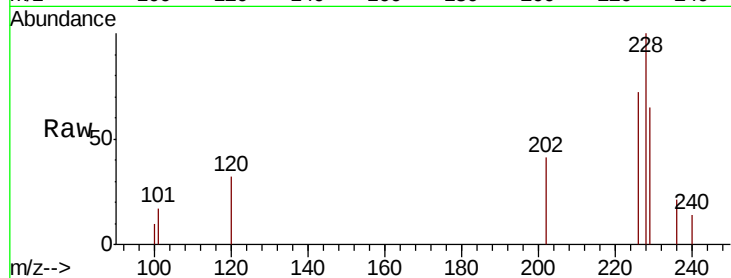




#18  
Benzo(a)anthracene  
Concen: 8.370 ng/ul  
RT: 21.12 min Scan# 3521  
Delta R.T. 0.17 min  
Lab File: BE097425.D  
Acq: 7 Sep 2018 15:10

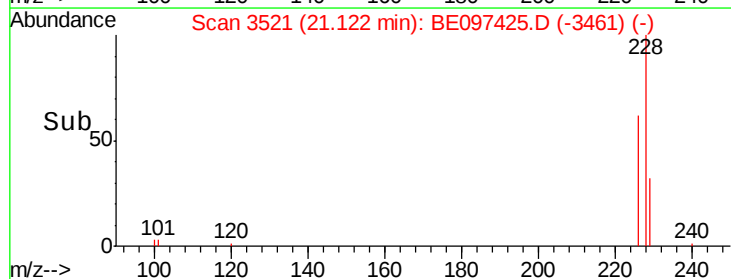
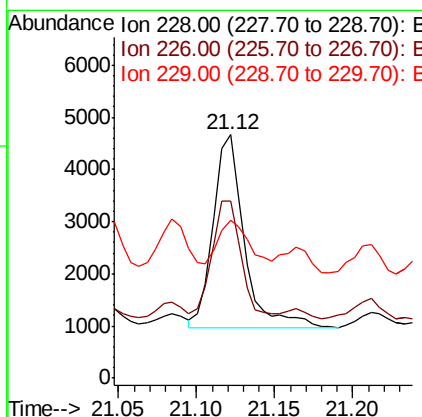
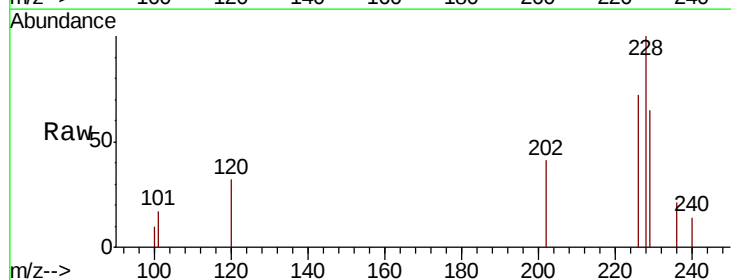
Instrument :  
BNA\_E  
ClientSampleId :

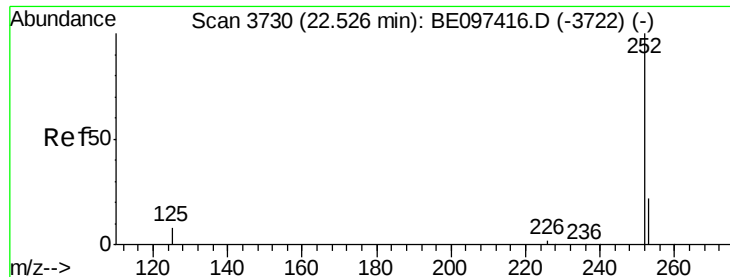
Tot Ion:228 Resp: 5139  
Ion Ratio Lower Upper  
228 100  
229 64.8 22.8 34.2#  
226 72.5 17.0 25.6#



#19  
Chrysene  
Concen: 7.265 ng/ul  
RT: 21.12 min Scan# 3521  
Delta R.T. 0.12 min  
Lab File: BE097425.D  
Acq: 7 Sep 2018 15:10

Tgt Ion:228 Resp: 5139  
Ion Ratio Lower Upper  
228 100  
226 72.5 23.4 35.0#  
229 64.8 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 11.202 ng/ul

RT: 22.70 min Scan# 3754

Delta R.T. 0.17 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

Instrument :

BNA\_E

ClientSampleId :

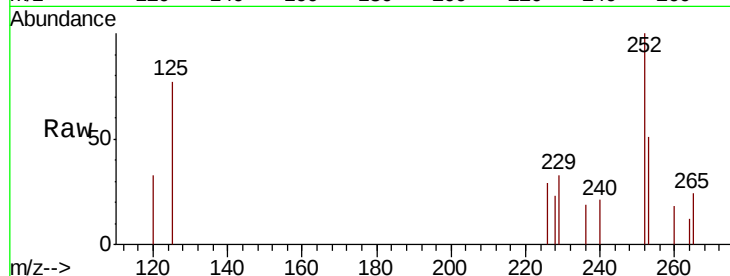
Tot Ion:252 Resp: 5940

Ion Ratio Lower Upper

252 100

253 51.3 0.0 64.2

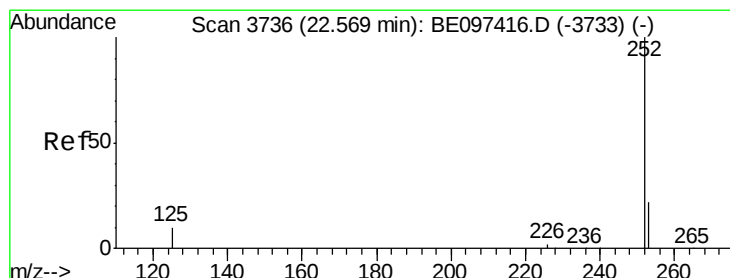
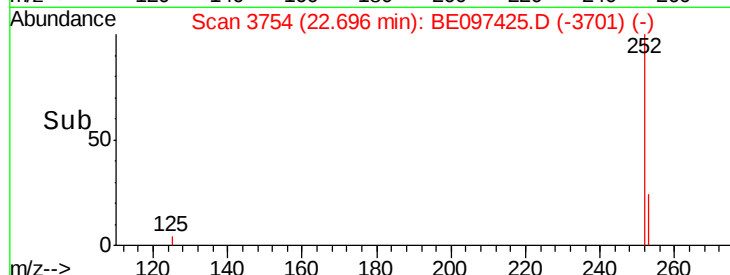
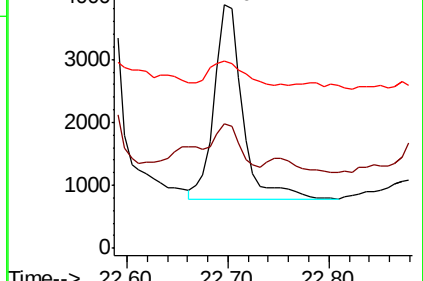
125 77.0 0.0 35.0#



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: 2.442 ng/ul

RT: 22.89 min Scan# 3781

Delta R.T. 0.32 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

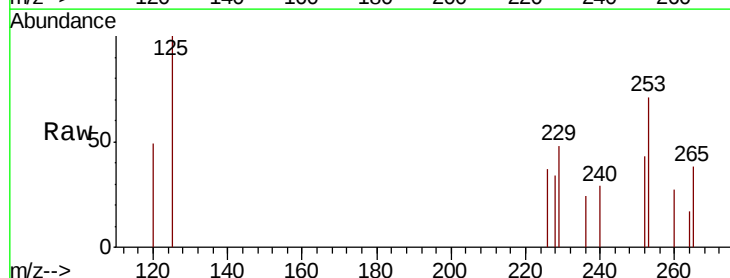
Tgt Ion:252 Resp: 1444

Ion Ratio Lower Upper

252 100

253 165.3 24.5 36.7#

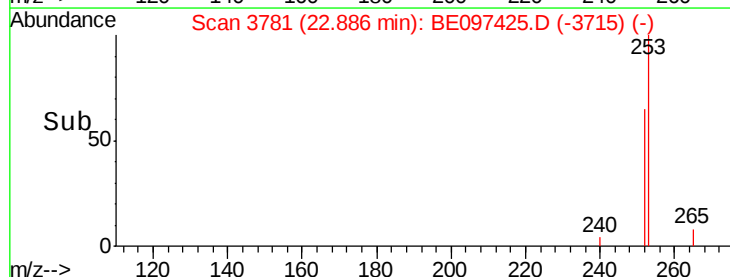
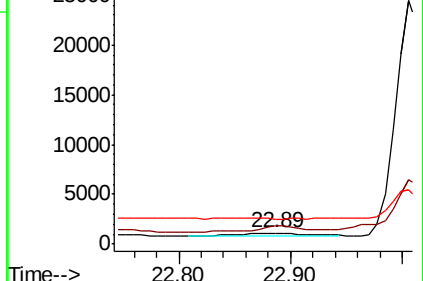
125 233.2 13.7 20.5#

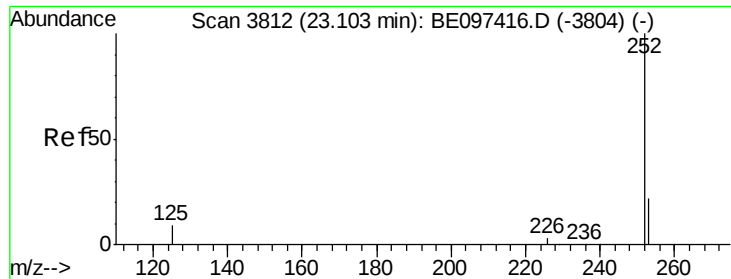


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.815 ng/ul

RT: 23.40 min Scan# 3854

Delta R.T. 0.30 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

Instrument :

BNA\_E

ClientSampleId :

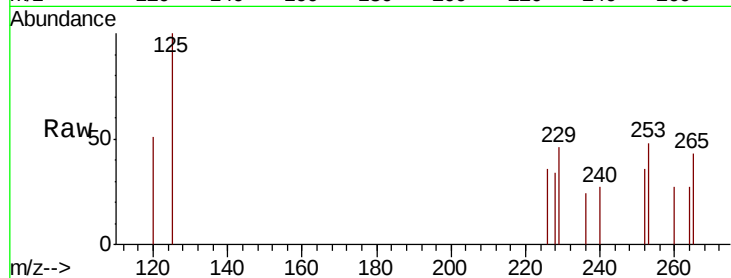
Tot Ion:252 Resp: 400

Ion Ratio Lower Upper

252 100

253 131.7 28.5 42.7#

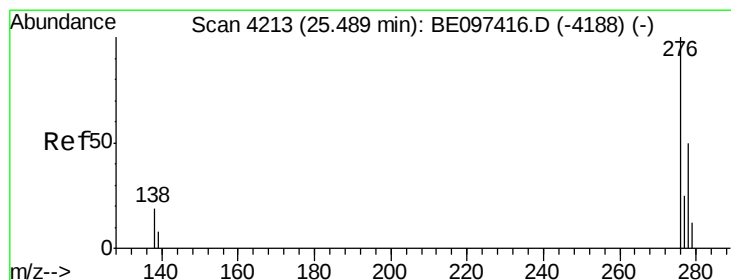
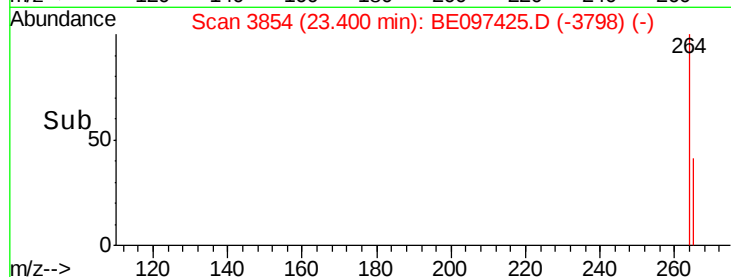
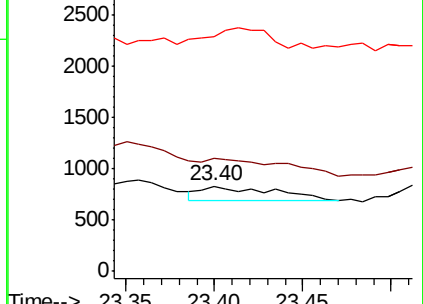
125 274.5 18.1 27.1#



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: 2.737 ng/ul

RT: 25.77 min Scan# 4291

Delta R.T. 0.28 min

Lab File: BE097425.D

Acq: 7 Sep 2018 15:10

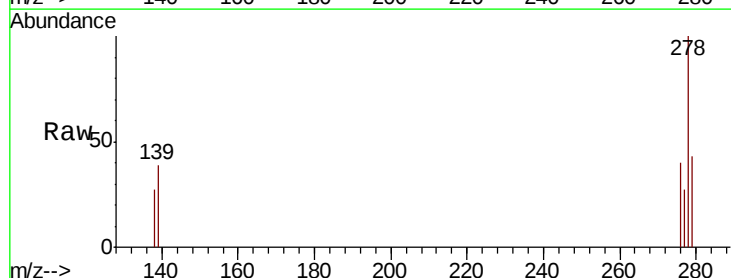
Tgt Ion:276 Resp: 1740

Ion Ratio Lower Upper

276 100

138 47.0 28.0 42.0#

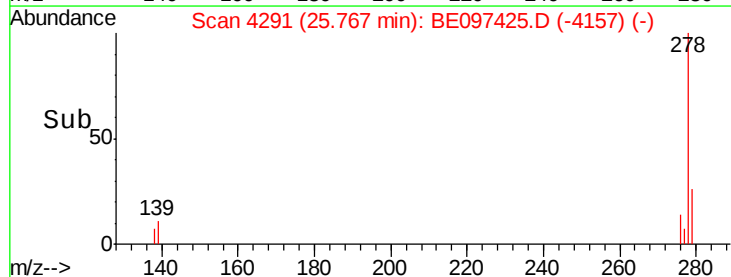
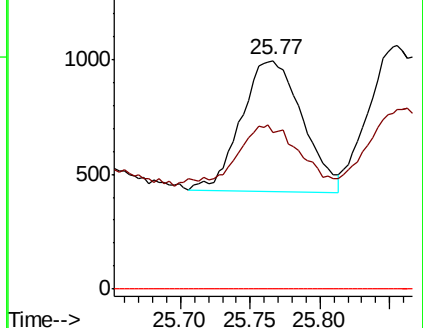
227 0.0 8.0 12.0#

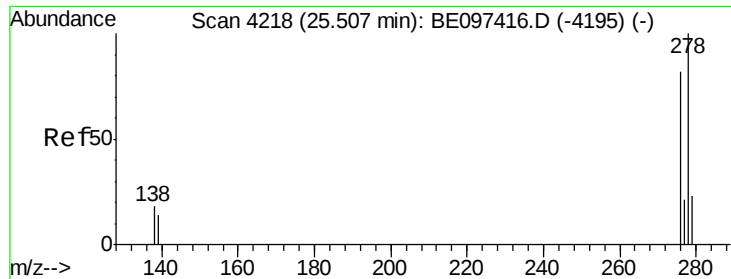


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

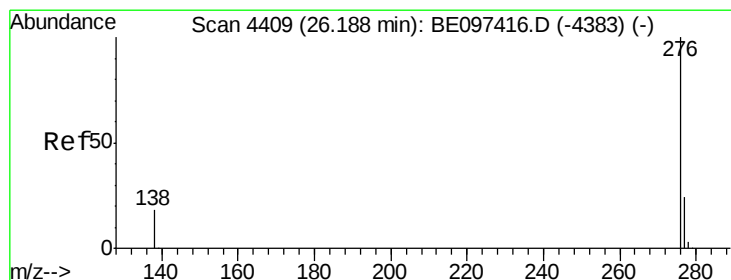
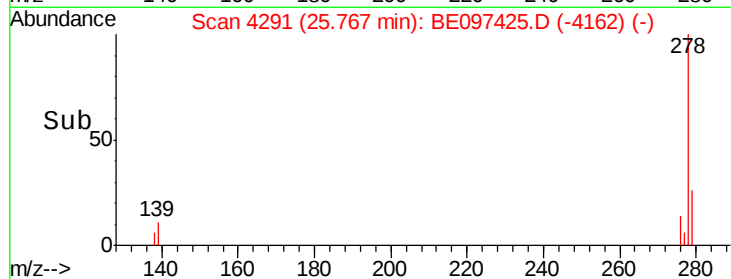
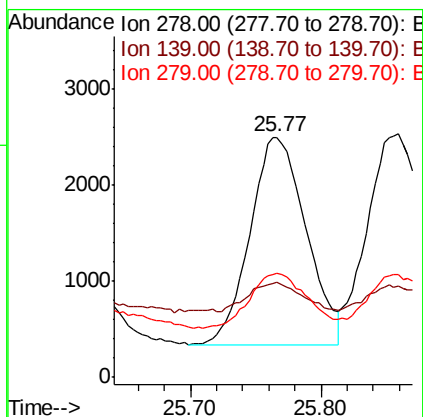
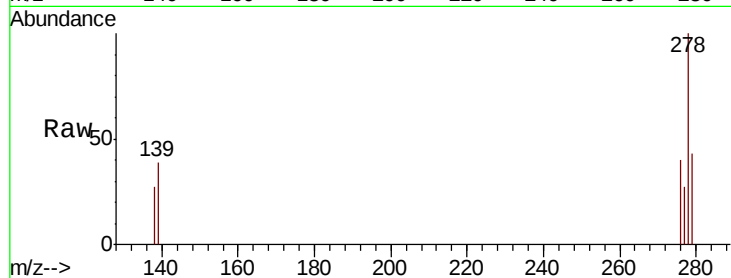




#25  
Dibenzo(a,h)anthracene  
Concen: 11.973 ng/ul  
RT: 25.77 min Scan# 4291  
Delta R.T. 0.26 min  
Lab File: BE097425.D  
Acq: 7 Sep 2018 15:10

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:278 Resp: 6450  
Ion Ratio Lower Upper  
278 100  
139 39.4 17.4 26.0#  
279 43.1 25.9 38.9#



#26  
Benzo(g,h,i)perylene  
Concen: 1.795 ng/ul  
RT: 26.41 min Scan# 4471  
Delta R.T. 0.22 min  
Lab File: BE097425.D  
Acq: 7 Sep 2018 15:10

Tgt Ion:276 Resp: 973  
Ion Ratio Lower Upper  
276 100  
138 66.1 21.8 32.8#  
277 70.0 20.5 30.7#

