

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032818\  
 Data File : BE095874.D  
 Acq On : 28 Mar 2018 13:34  
 Operator : SJ/JU  
 Sample : J2060-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Mar 28 16:26:22 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 16:25:04 2018  
 Response via : Initial Calibration

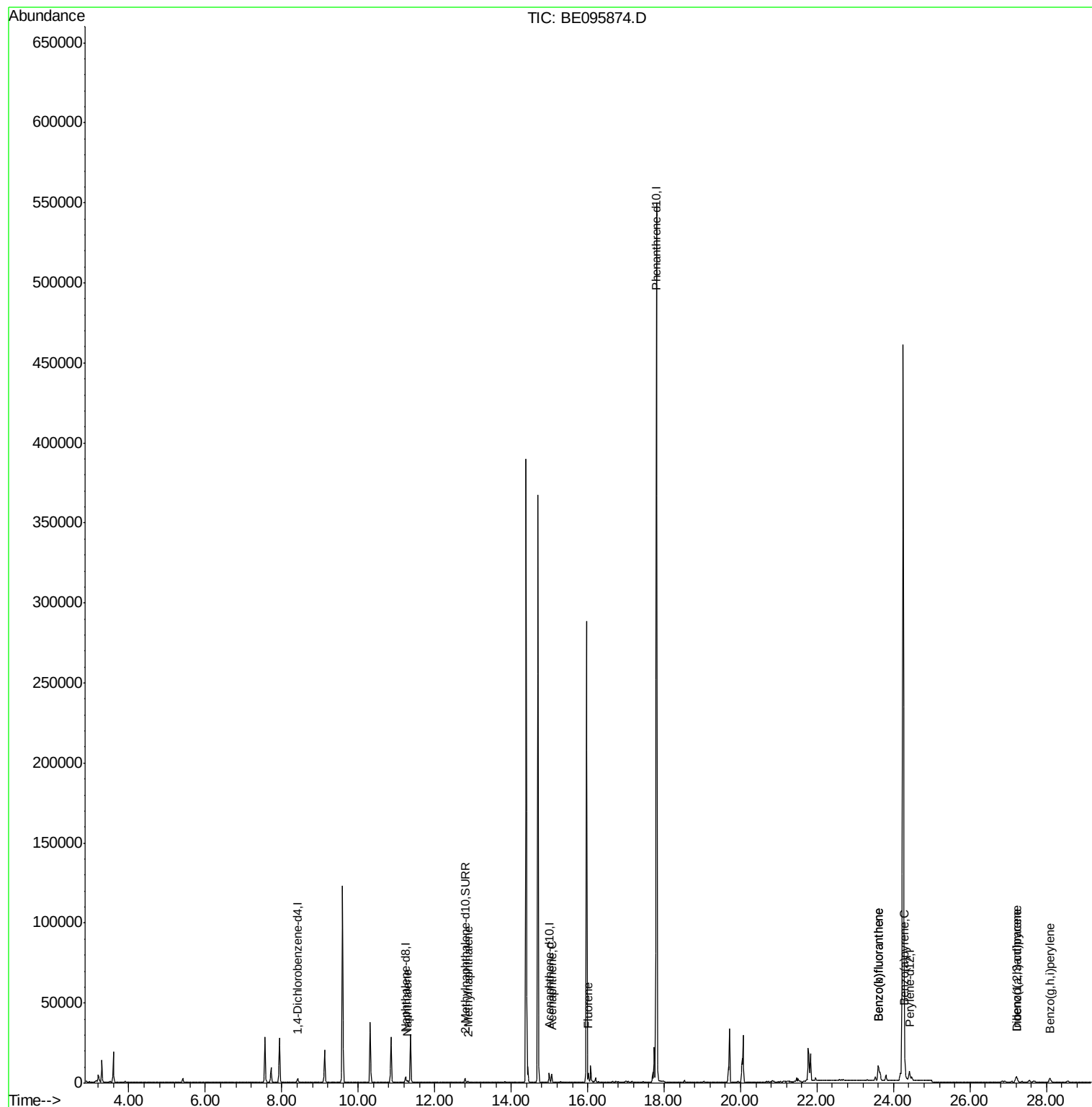
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.42  | 152  | 1647     | 0.40  | ng/ul  | -0.03    |
| 2) Naphthalene-d8           | 11.24 | 136  | 4670     | 0.40  | ng/ul  | -0.04    |
| 6) Acenaphthene-d10         | 15.00 | 164  | 3220     | 0.40  | ng/ul  | -0.04    |
| 10) Phenanthrene-d10        | 17.80 | 188  | 638833   | 0.40  | ng/ul  | 0.06     |
| 16) Chrysene-d12            | 0.00  | 240  | 0        | 0.00  | ng/ul  | -21.84   |
| 20) Perylene-d12            | 24.42 | 264  | 9611     | 0.40  | ng/ul  | -0.08    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.80 | 152  | 3306     | 0.42  | ng/ul  | -0.03    |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00  | ng/ul  |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 11.29 | 128  | 1269     | 0.097 | ng/ul# | 86       |
| 5) 2-Methylnaphthalene      | 12.87 | 142  | 491      | 0.054 | ng/ul  | 98       |
| 8) Acenaphthene             | 15.06 | 153  | 2983     | 0.244 | ng/ul  | 93       |
| 9) Fluorene                 | 16.02 | 166  | 3552     | 0.267 | ng/ul  | 89       |
| 21) Benzo(b)fluoranthene    | 23.60 | 252  | 24886    | 0.748 | ng/ul  | 88       |
| 22) Benzo(k)fluoranthene    | 23.60 | 252  | 24886    | 0.786 | ng/ul# | 90       |
| 23) Benzo(a)pyrene          | 24.30 | 252  | 13336    | 0.439 | ng/ul# | 81       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.21 | 276  | 7000     | 0.208 | ng/ul# | 74       |
| 25) Dibenzo(a,h)anthracene  | 27.21 | 278  | 2141     | 0.079 | ng/ul# | 87       |
| 26) Benzo(g,h,i)perylene    | 28.09 | 276  | 6317     | 0.218 | ng/ul  | 95       |

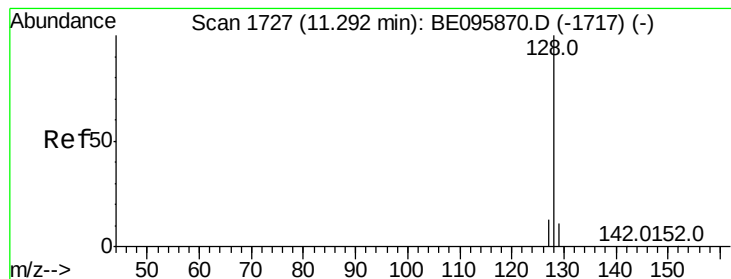
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.097 ng/ul

RT: 11.29 min Scan# 1727

Delta R.T. -0.04 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

Instrument :

BNA\_E

ClientSampleId :

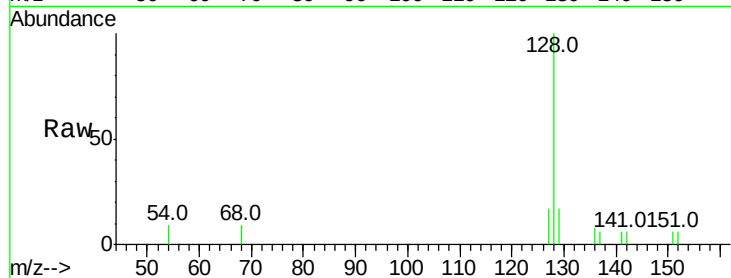
Tot Ion:128 Resp: 1269

Ion Ratio Lower Upper

128 100

129 16.5 11.3 16.9

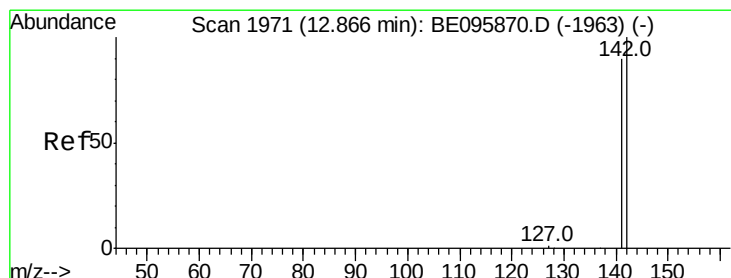
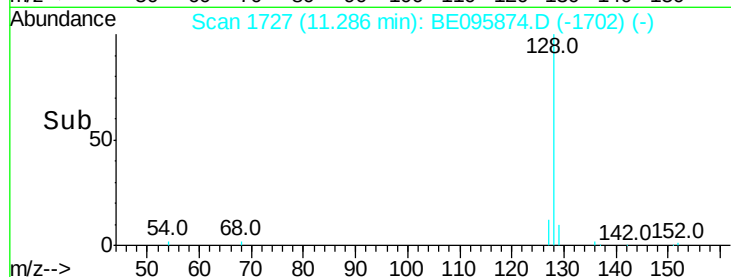
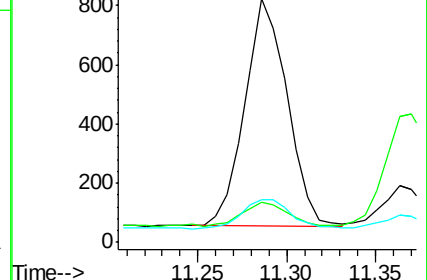
127 17.3 4.0 6.0#



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: 0.054 ng/ul

RT: 12.87 min Scan# 1972

Delta R.T. -0.04 min

Lab File: BE095874.D

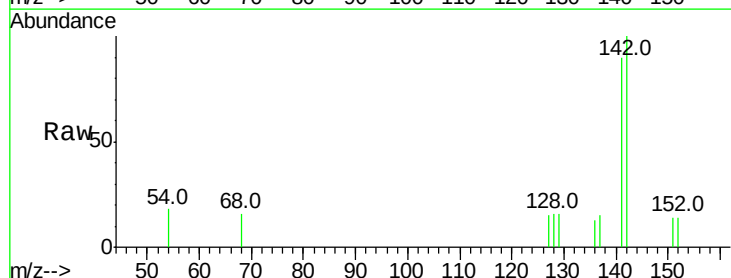
Acq: 28 Mar 2018 13:34

Tgt Ion:142 Resp: 491

Ion Ratio Lower Upper

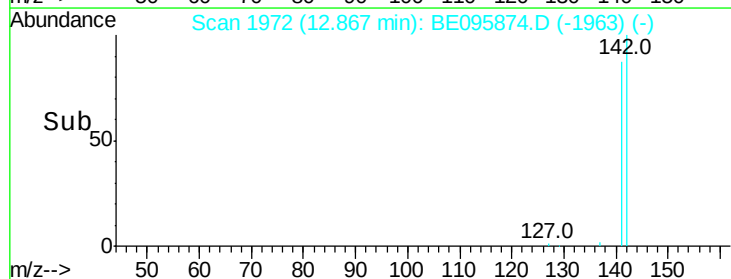
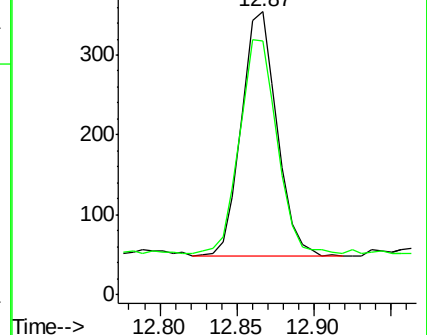
142 100

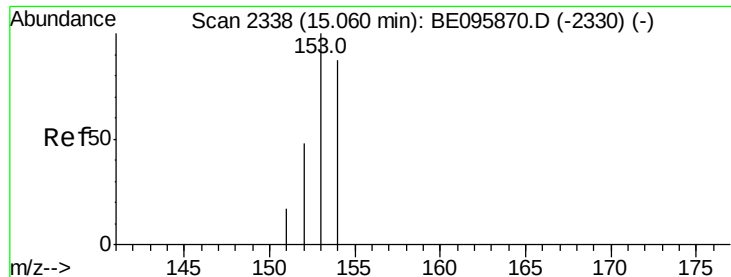
141 92.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.244 ng/ul

RT: 15.06 min Scan# 2340

Delta R.T. -0.04 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

Instrument :

BNA\_E

ClientSampleId :

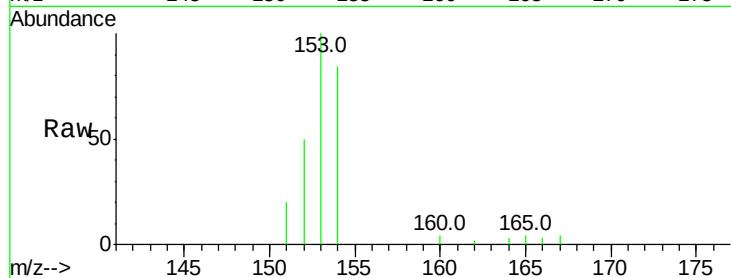
Tot Ion:153 Resp: 2983

Ion Ratio Lower Upper

153 100

152 50.2 36.0 54.0

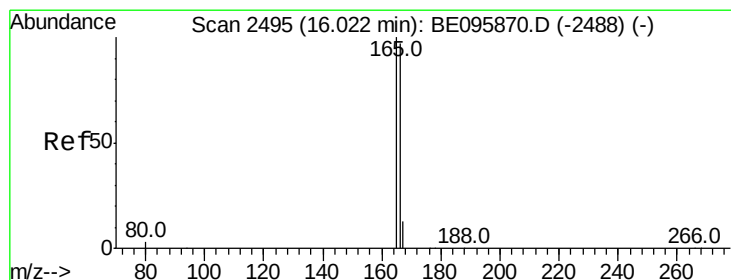
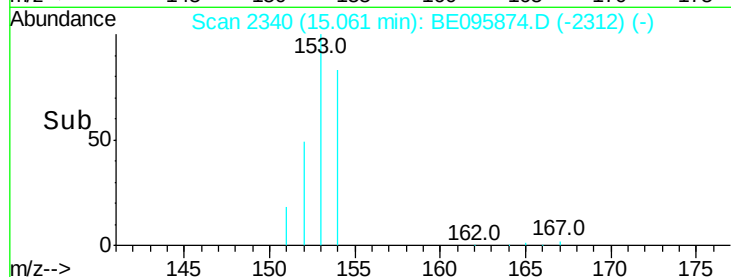
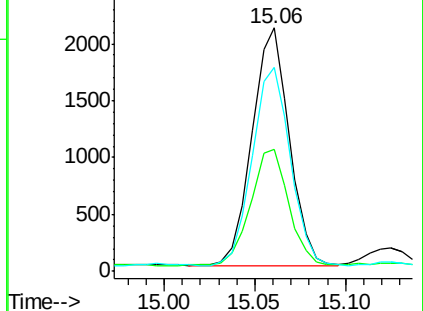
154 83.7 72.0 108.0



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: 0.267 ng/ul

RT: 16.02 min Scan# 2497

Delta R.T. -0.04 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

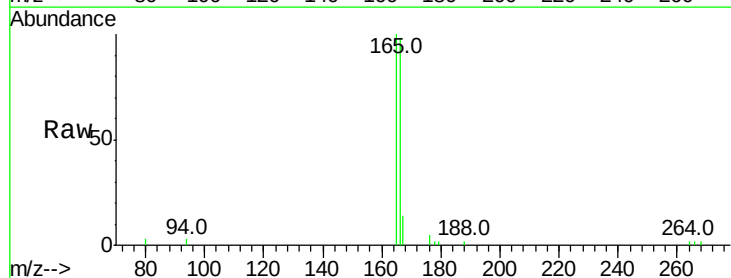
Tgt Ion:166 Resp: 3552

Ion Ratio Lower Upper

166 100

165 102.5 73.4 110.2

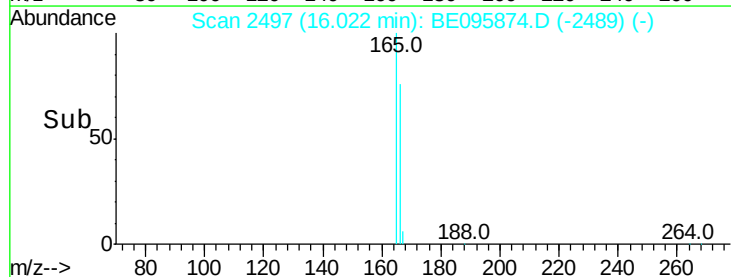
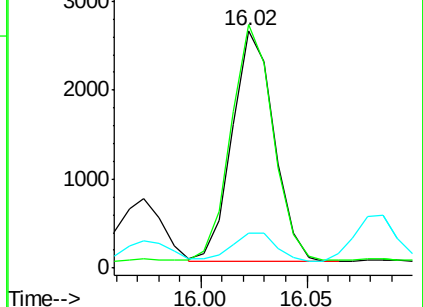
167 14.7 14.6 22.0

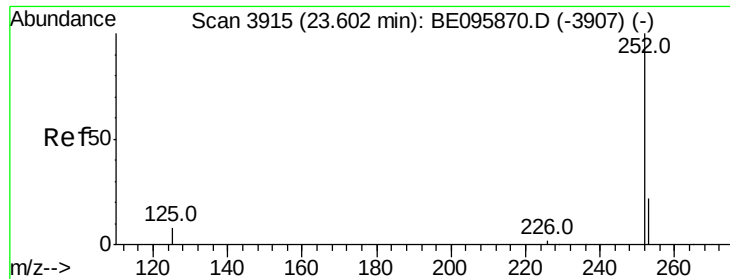


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#21

Benzo(b)fluoranthene

Concen: 0.748 ng/ul

RT: 23.60 min Scan# 3918

Delta R.T. -0.07 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

Instrument :

BNA\_E

ClientSampleId :

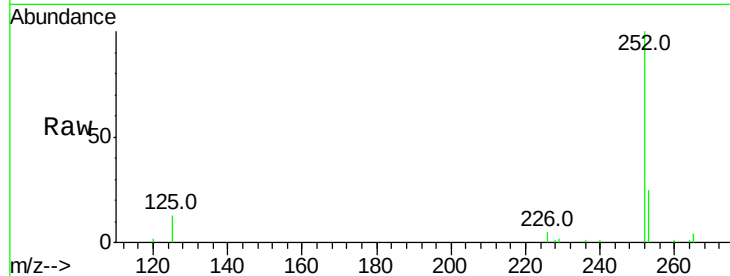
Tot Ion:252 Resp: 24886

Ion Ratio Lower Upper

252 100

253 24.6 0.0 64.2

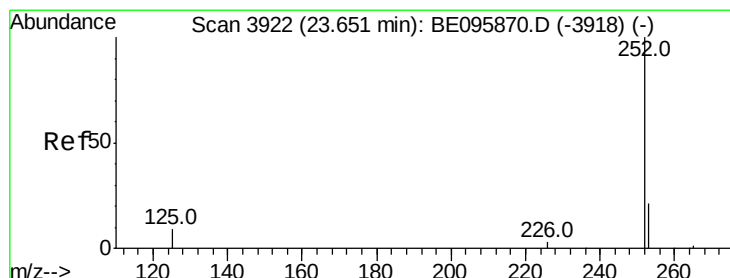
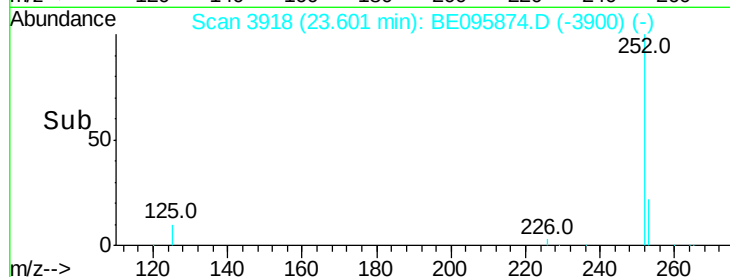
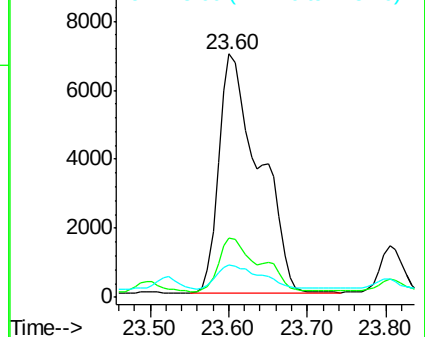
125 13.2 0.0 35.0



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: 0.786 ng/ul

RT: 23.60 min Scan# 3918

Delta R.T. -0.12 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

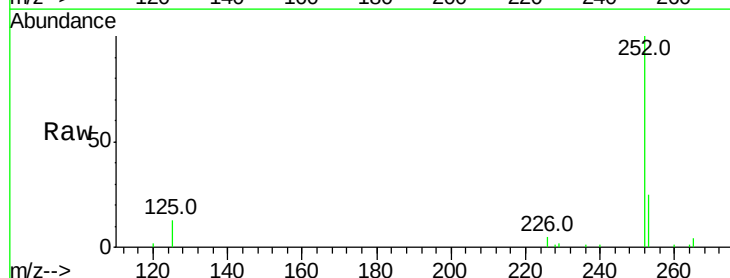
Tgt Ion:252 Resp: 24886

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

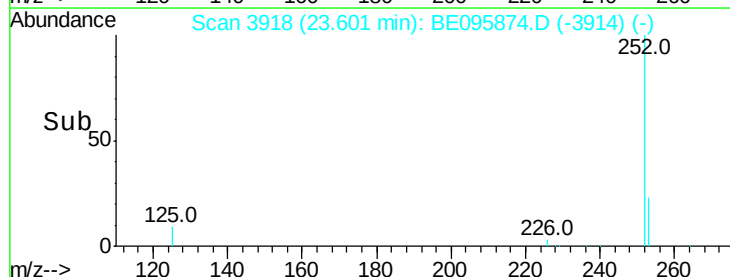
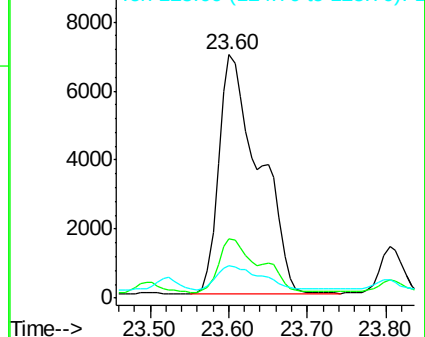
125 13.2 13.7 20.5#

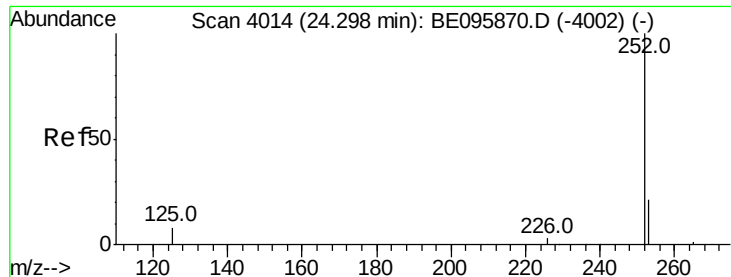


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.439 ng/ul

RT: 24.30 min Scan# 4017

Delta R.T. -0.08 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

Instrument :

BNA\_E

ClientSampleId :

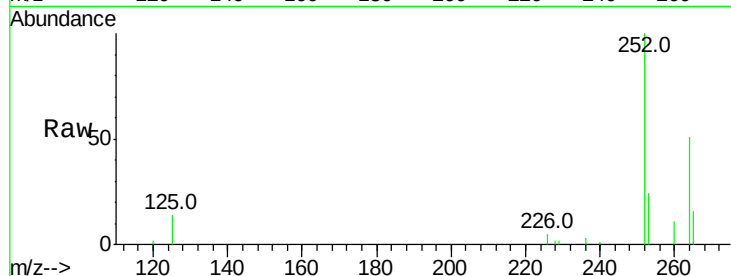
Tot Ion:252 Resp: 13336

Ion Ratio Lower Upper

252 100

253 24.3 28.5 42.7#

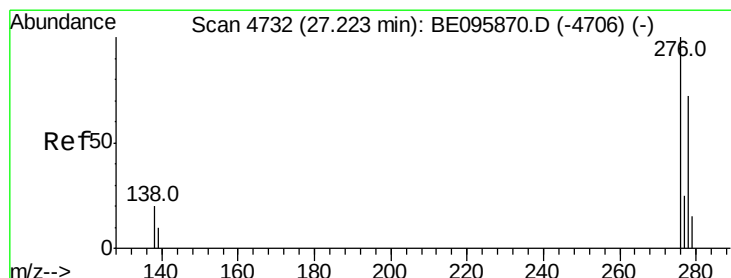
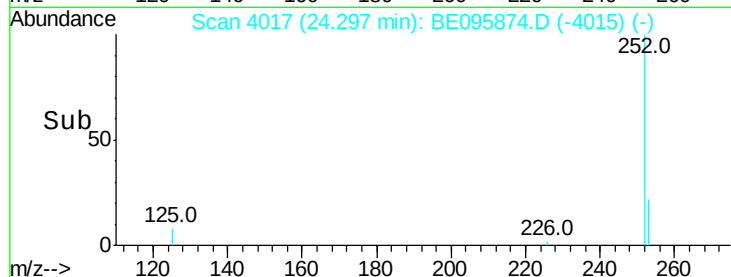
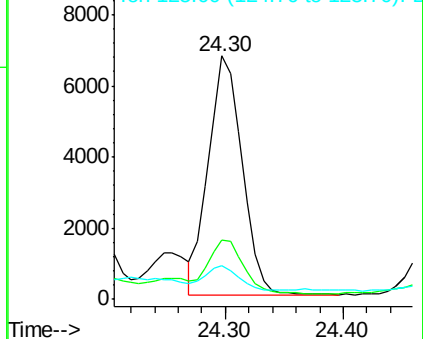
125 14.1 18.1 27.1#



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: 0.208 ng/ul

RT: 27.21 min Scan# 4733

Delta R.T. -0.15 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

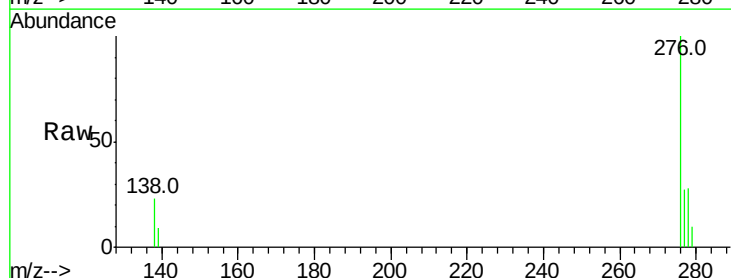
Tgt Ion:276 Resp: 7000

Ion Ratio Lower Upper

276 100

138 20.1 28.0 42.0#

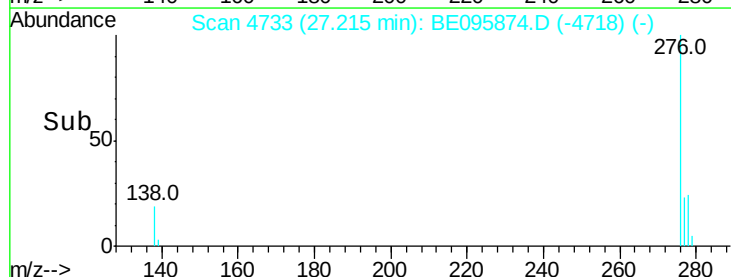
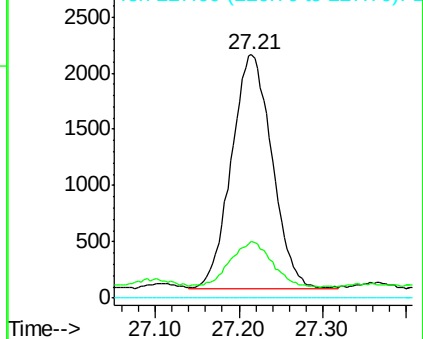
227 0.0 8.0 12.0#

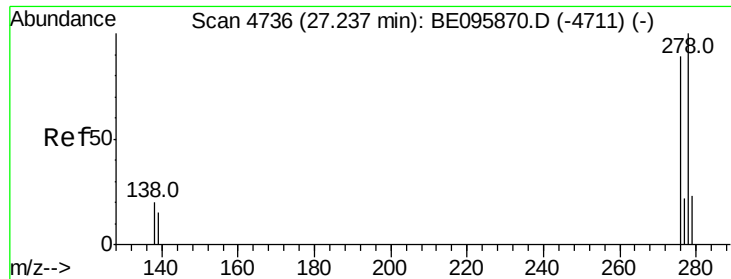


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.079 ng/ul

RT: 27.21 min Scan# 4733

Delta R.T. -0.15 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

Instrument :

BNA\_E

ClientSampleId :

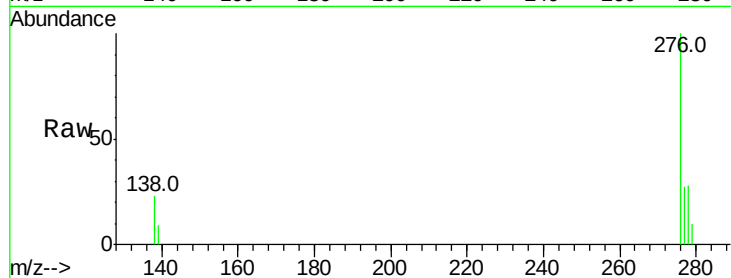
Tot Ion:278 Resp: 2141

Ion Ratio Lower Upper

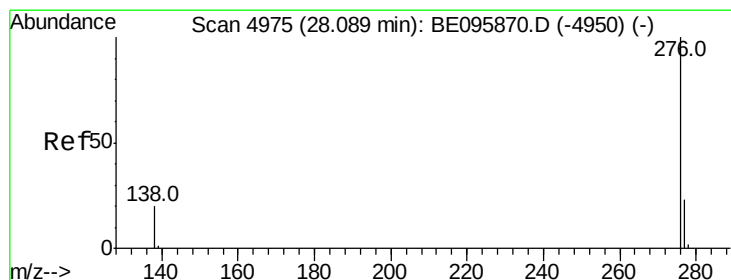
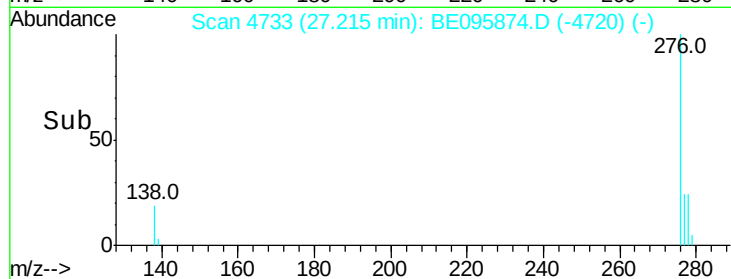
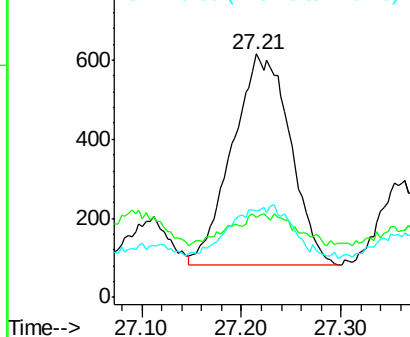
278 100

139 33.0 17.4 26.0#

279 35.2 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.218 ng/ul

RT: 28.09 min Scan# 4978

Delta R.T. -0.17 min

Lab File: BE095874.D

Acq: 28 Mar 2018 13:34

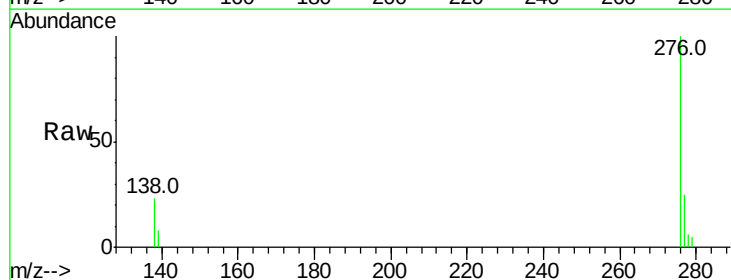
Tgt Ion:276 Resp: 6317

Ion Ratio Lower Upper

276 100

138 22.8 21.8 32.8

277 25.2 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

