

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012018\  
 Data File : BE095085.D  
 Acq On : 20 Jan 2018 12:23  
 Operator : SJ/JU  
 Sample : J1216-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 22 04:30:09 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE011918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 22 04:29:25 2018  
 Response via : Initial Calibration

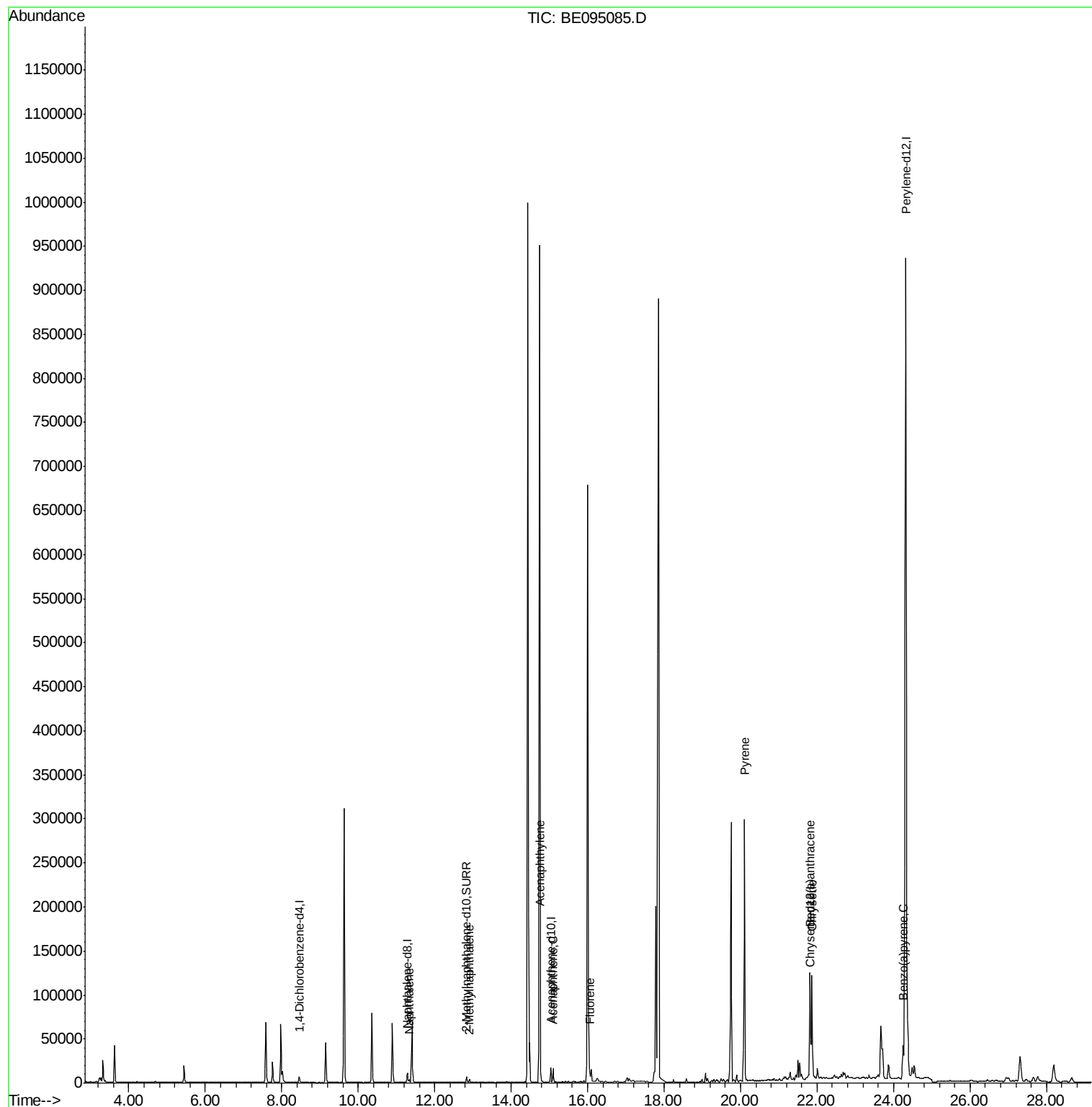
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.46  | 152  | 4296     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.28 | 136  | 14481    | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.04 | 164  | 9285     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00  | ng/ul  | -17.73   |
| 16) Chrysene-d12            | 21.83 | 240  | 18979    | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.32 | 264  | 1142977  | 0.40  | ng/ul  | -0.16    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.84 | 152  | 8406     | 0.35  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.72 | 212  | 21964    | 0.00  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 11.33 | 128  | 5089     | 0.133 | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 12.91 | 142  | 3112     | 0.116 | ng/ul  | 98       |
| 7) Acenaphthylene           | 14.77 | 152  | 14481    | 0.348 | ng/ul  | 97       |
| 8) Acenaphthene             | 15.10 | 153  | 8983     | 0.278 | ng/ul  | 93       |
| 9) Fluorene                 | 16.05 | 166  | 12527    | 0.363 | ng/ul# | 78       |
| 17) Pyrene                  | 20.10 | 202  | 326595   | 4.734 | ng/ul# | 80       |
| 18) Benzo(a)anthracene      | 21.81 | 228  | 132000   | 2.514 | ng/ul# | 86       |
| 19) Chrysene                | 21.87 | 228  | 123637   | 2.110 | ng/ul  | 97       |
| 23) Benzo(a)pyrene          | 24.25 | 252  | 66154    | 0.020 | ng/ul# | 82       |

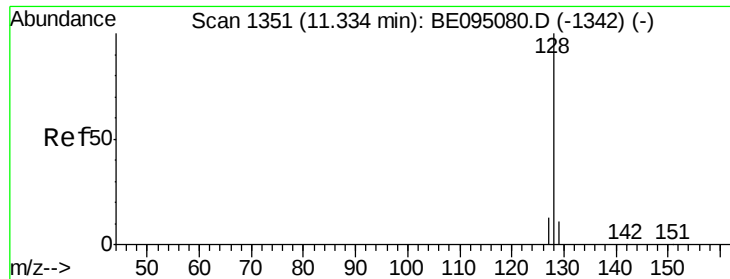
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.133 ng/ul

RT: 11.33 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

Instrument :

BNA\_E

ClientSampleId :

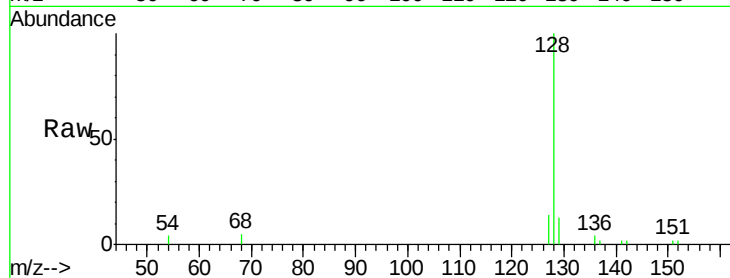
Tot Ion:128 Resp: 5089

Ion Ratio Lower Upper

128 100

129 13.3 11.3 16.9

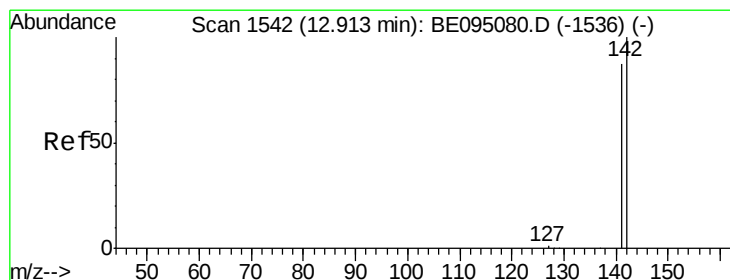
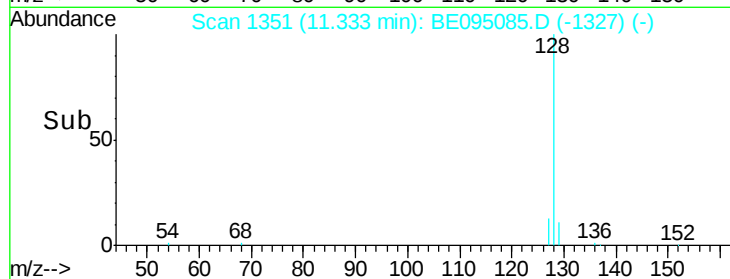
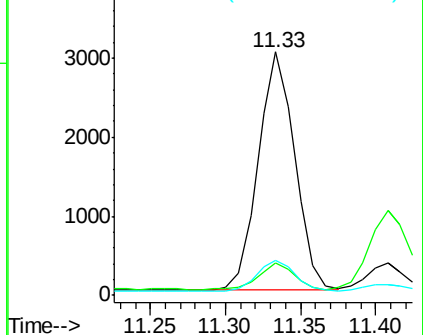
127 14.3 4.0 6.0#



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: 0.116 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE095085.D

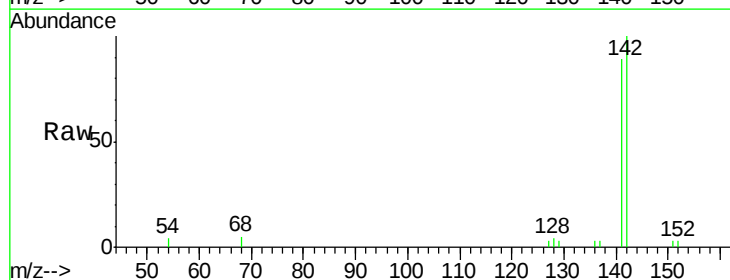
Acq: 20 Jan 2018 12:23

Tgt Ion:142 Resp: 3112

Ion Ratio Lower Upper

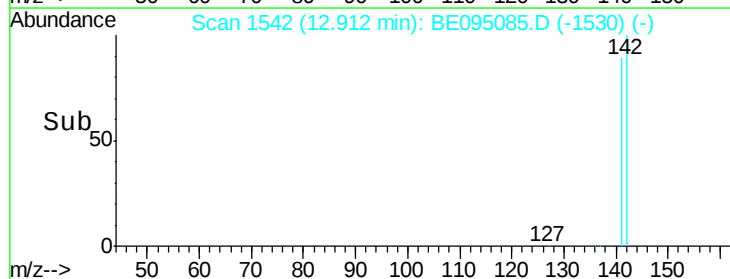
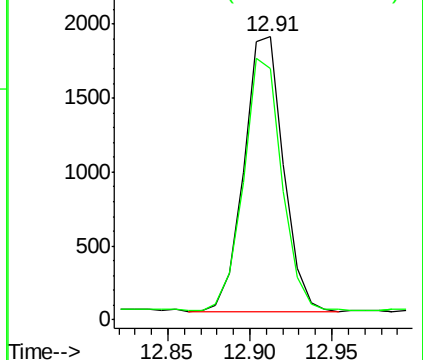
142 100

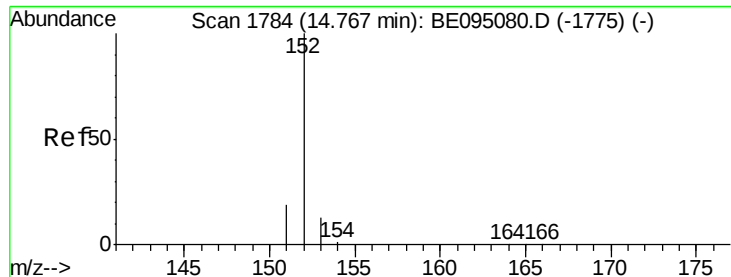
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.348 ng/ul

RT: 14.77 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

Instrument :

BNA\_E

ClientSampled :

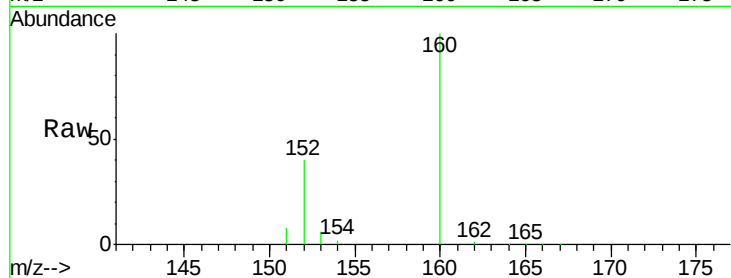
Tot Ion:152 Resp: 14481

Ion Ratio Lower Upper

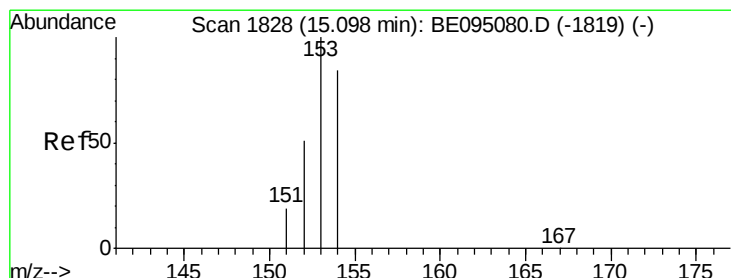
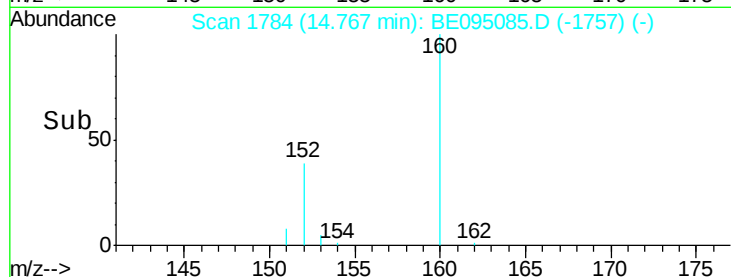
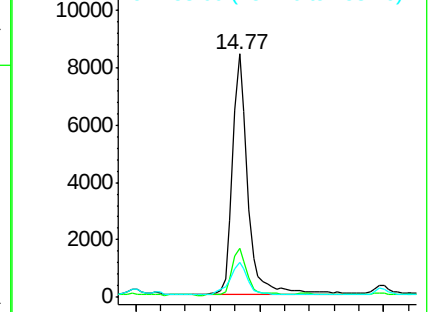
152 100

151 20.3 17.1 25.7

153 14.4 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: 0.278 ng/ul

RT: 15.10 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

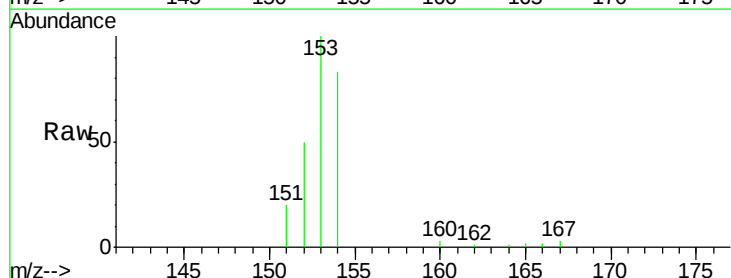
Tgt Ion:153 Resp: 8983

Ion Ratio Lower Upper

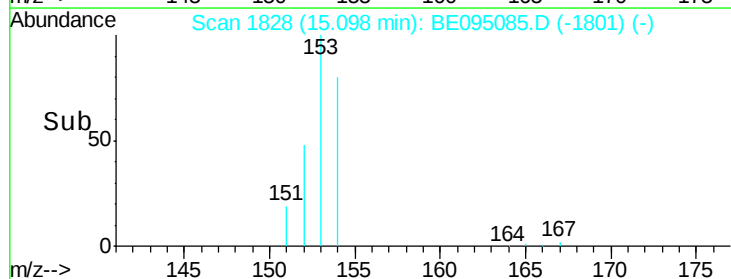
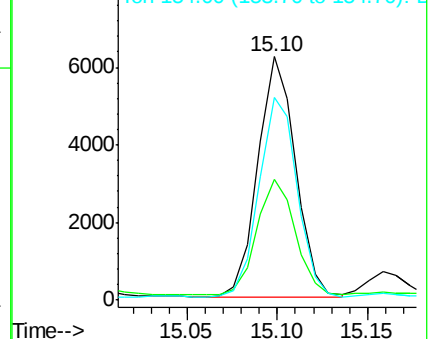
153 100

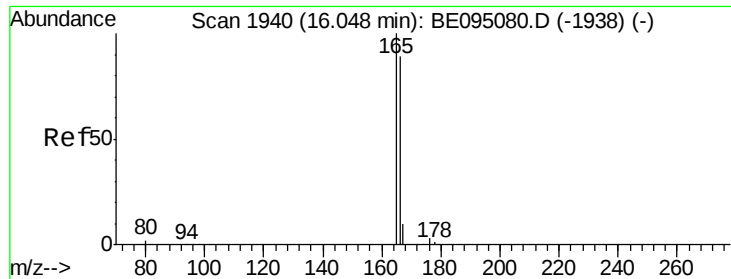
152 49.8 36.0 54.0

154 83.3 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: 0.363 ng/ul

RT: 16.05 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

Instrument :

BNA\_E

ClientSampleId :

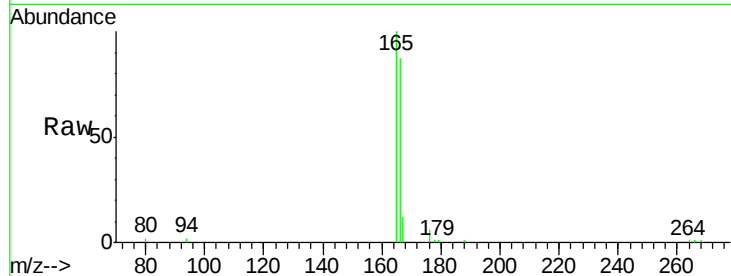
Tot Ion:166 Resp: 12527

Ion Ratio Lower Upper

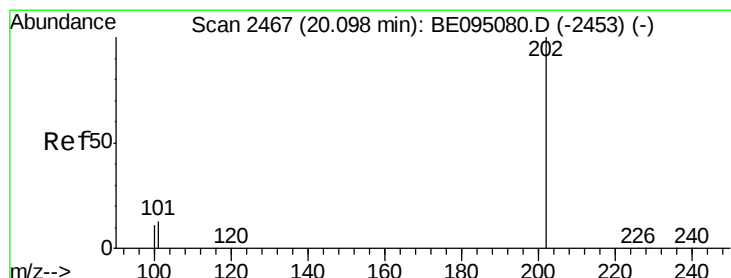
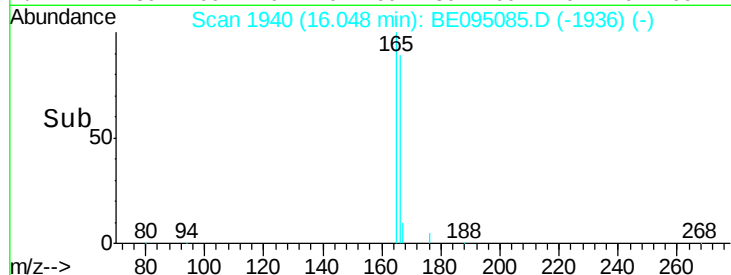
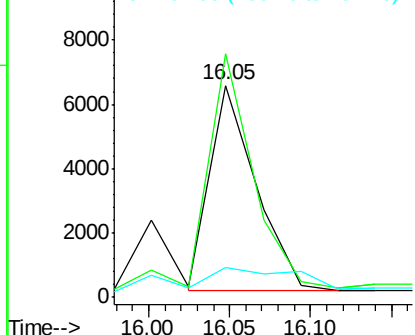
166 100

165 114.7 73.4 110.2#

167 14.1 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: 4.734 ng/ul

RT: 20.10 min Scan# 2467

Delta R.T. 0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

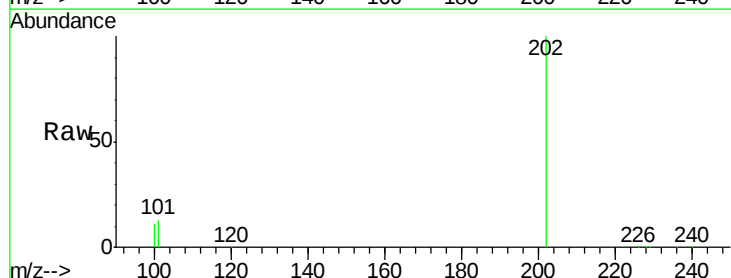
Tgt Ion:202 Resp: 326595

Ion Ratio Lower Upper

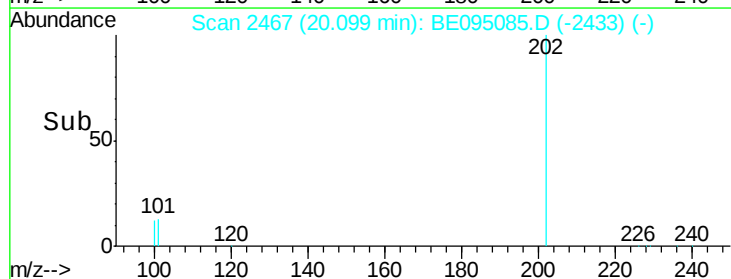
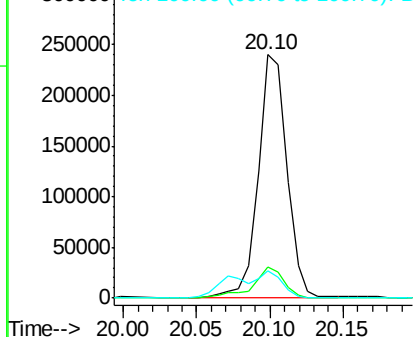
202 100

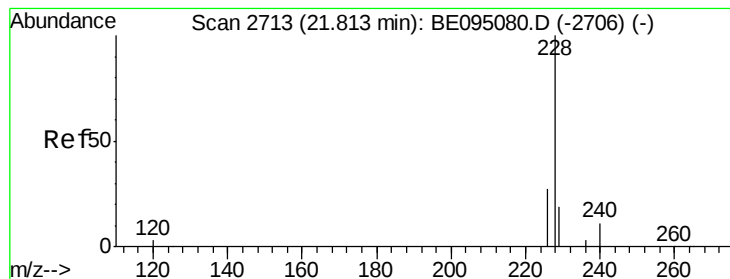
101 12.6 18.2 27.4#

100 11.5 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): E





#18

Benzo(a)anthracene

Concen: 2.514 ng/ul

RT: 21.81 min Scan# 2713

Delta R.T. 0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

Instrument :

BNA\_E

ClientSampleId :

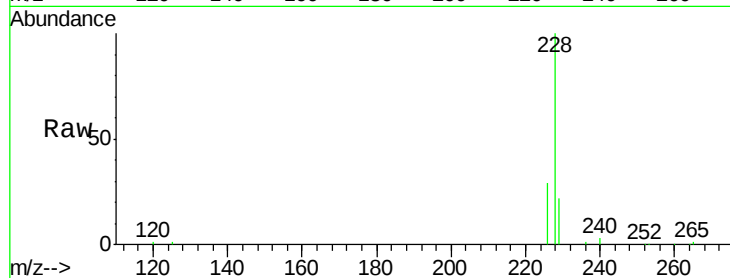
Tot Ion:228 Resp: 132000

Ion Ratio Lower Upper

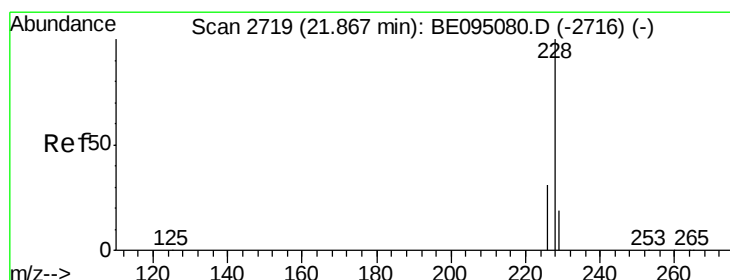
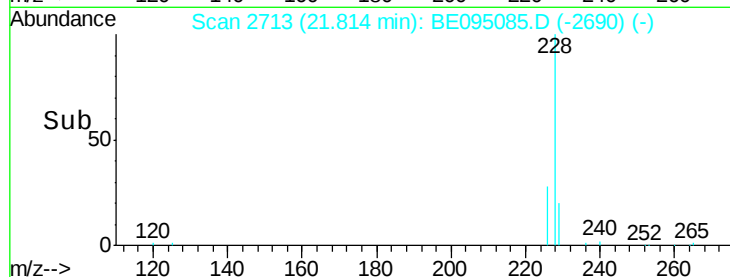
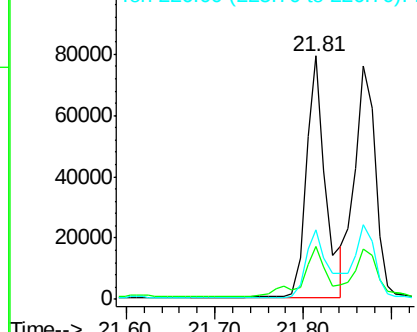
228 100

229 21.9 22.8 34.2#

226 28.6 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: 2.110 ng/ul

RT: 21.87 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

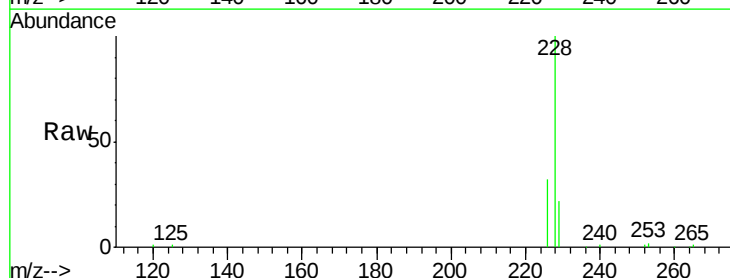
Tgt Ion:228 Resp: 123637

Ion Ratio Lower Upper

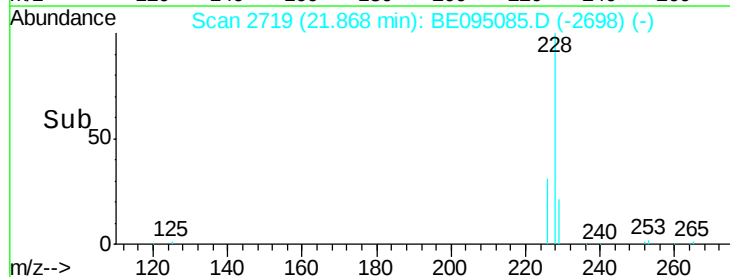
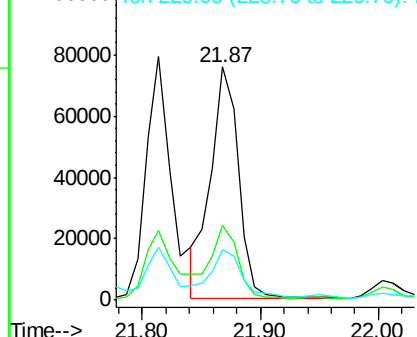
228 100

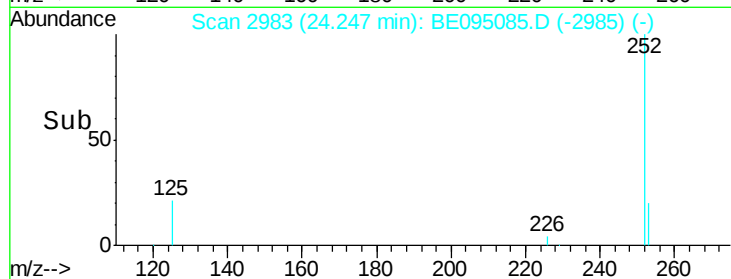
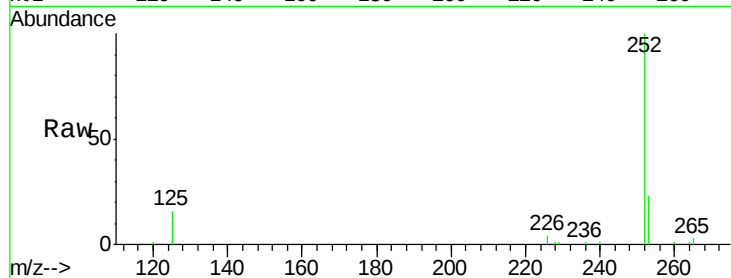
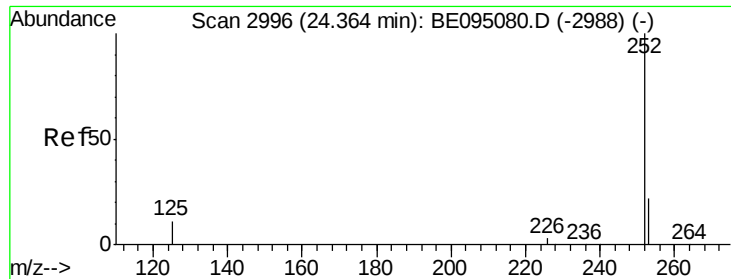
226 32.0 23.4 35.0

229 21.8 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





#23

Benzo(a)pyrene

Concen: 0.020 ng/ul

RT: 24.25 min Scan# 2983

Delta R.T. -0.12 min

Lab File: BE095085.D

Acq: 20 Jan 2018 12:23

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:252 Resp: 66154

Ion Ratio Lower Upper

252 100

253 23.0 28.5 42.7#

125 16.4 18.1 27.1#

