

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061917\  
 Data File : BE093266.D  
 Acq On : 20 Jun 2017 00:43  
 Operator : SJ/MA  
 Sample : I3600-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jun 20 08:50:31 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 08:49:11 2017  
 Response via : Initial Calibration

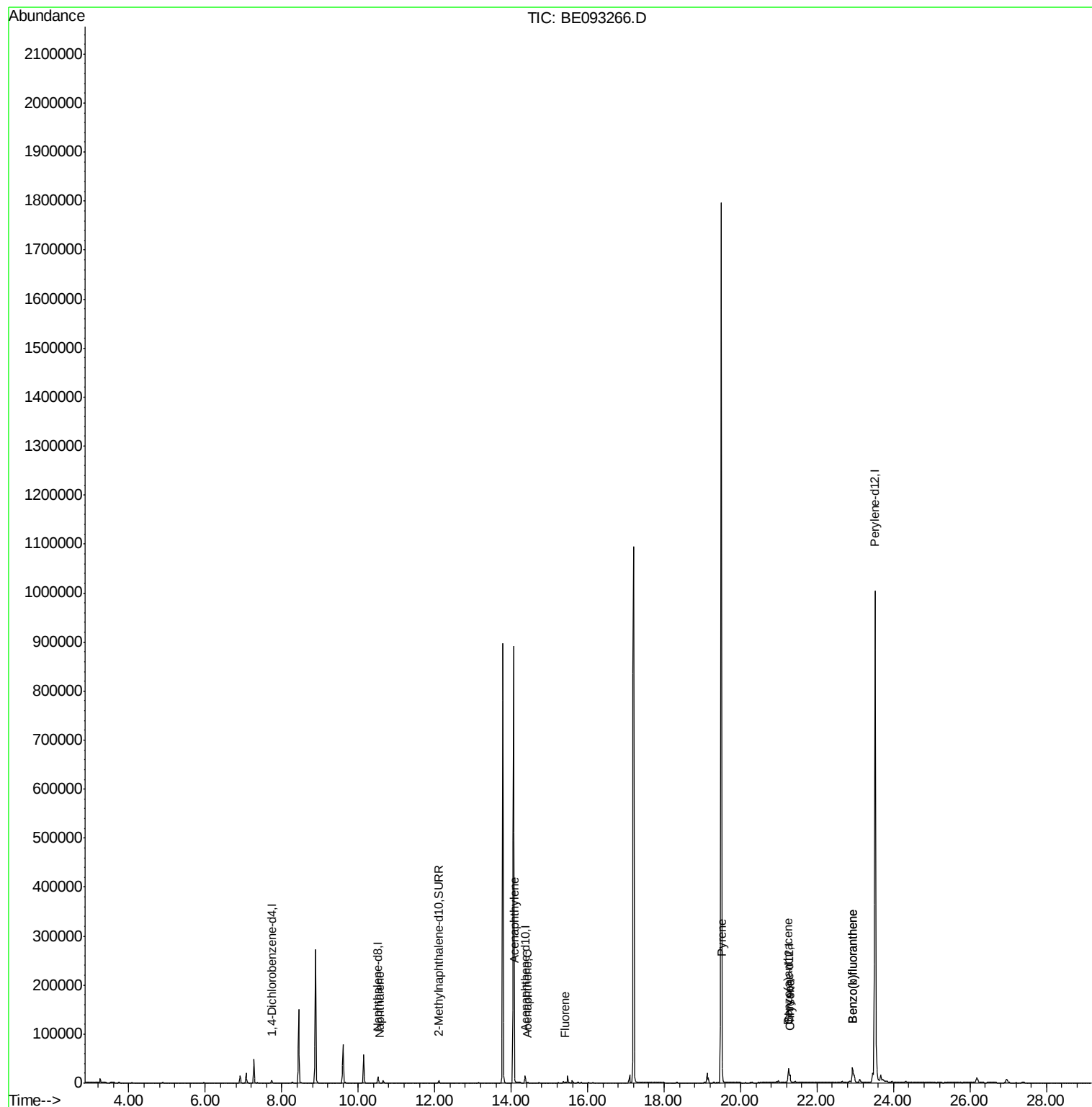
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 2576     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.52 | 136  | 13231    | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.36 | 164  | 8401     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00 | ng/ul  | -17.10   |
| 16) Chrysene-d12            | 21.26 | 240  | 20271    | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.52 | 264  | 1413059  | 0.40 | ng/ul  | -0.14    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 7118     | 0.37 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.12 | 212  | 20825    | 0.00 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.56 | 128  | 559      | 0.02 | ng/ul# | 71       |
| 7) Acenaphthylene           | 14.09 | 152  | 7035     | 0.20 | ng/ul  | 97       |
| 8) Acenaphthene             | 14.43 | 153  | 660      | 0.02 | ng/ul  | 98       |
| 9) Fluorene                 | 15.42 | 166  | 615      | 0.02 | ng/ul# | 97       |
| 17) Pyrene                  | 19.52 | 202  | 34925    | 0.58 | ng/ul# | 83       |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 14214    | 0.26 | ng/ul# | 84       |
| 19) Chrysene                | 21.29 | 228  | 22853    | 0.41 | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.93 | 252  | 53031    | 0.01 | ng/ul  | 89       |
| 22) Benzo(k)fluoranthene    | 22.93 | 252  | 66876    | 0.01 | ng/ul# | 91       |

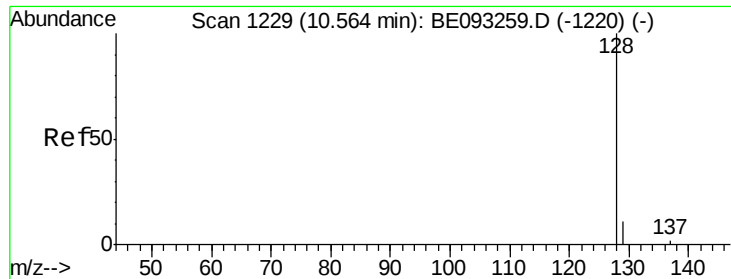
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA\_E

ClientSampleId :

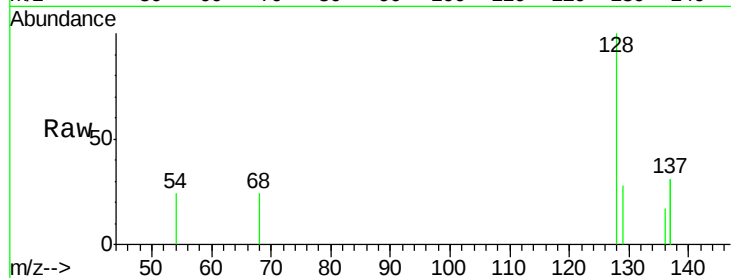
Tot Ion:128 Resp: 559

Ion Ratio Lower Upper

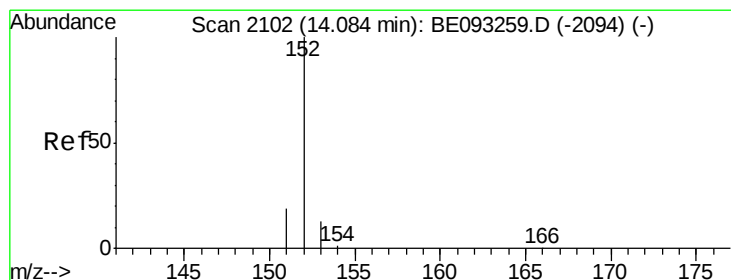
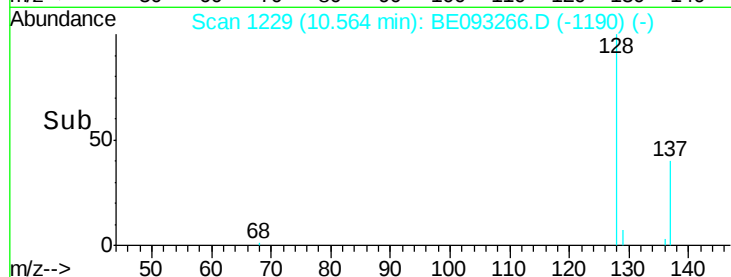
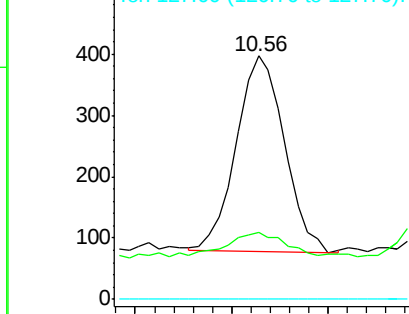
128 100

129 27.7 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



#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

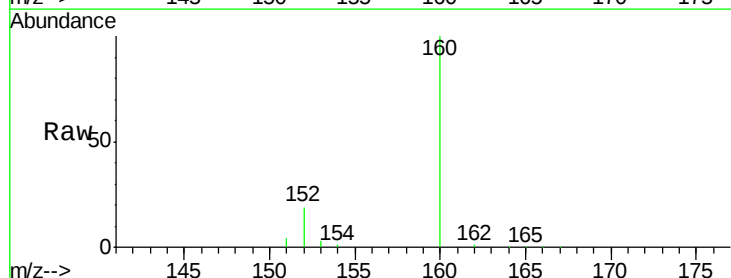
Tgt Ion:152 Resp: 7035

Ion Ratio Lower Upper

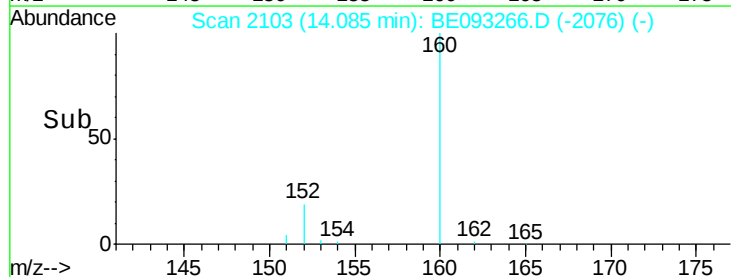
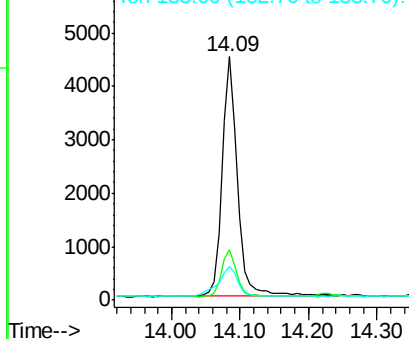
152 100

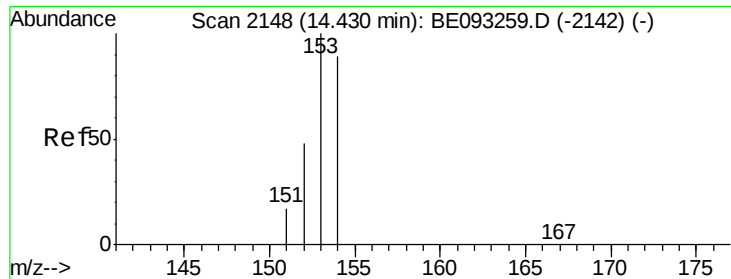
151 20.6 17.1 25.7

153 13.8 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: 0.02 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA\_E

ClientSampleId :

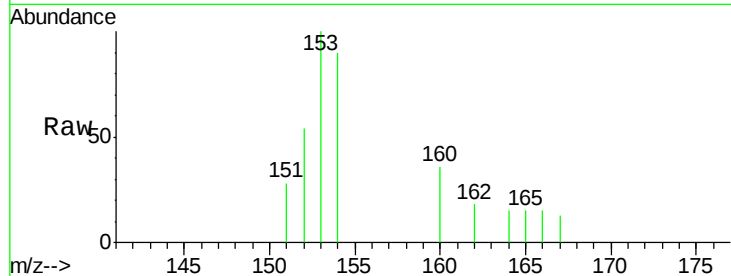
Tot Ion:153 Resp: 660

Ion Ratio Lower Upper

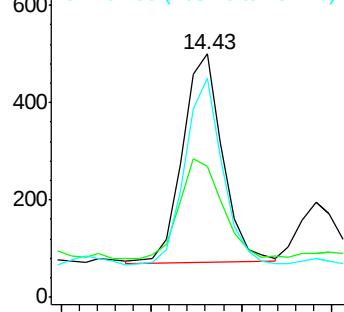
153 100

152 54.0 40.3 60.5

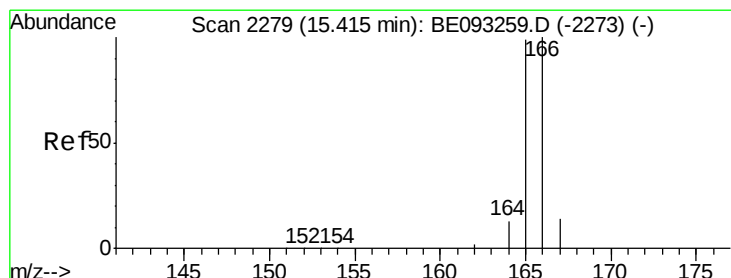
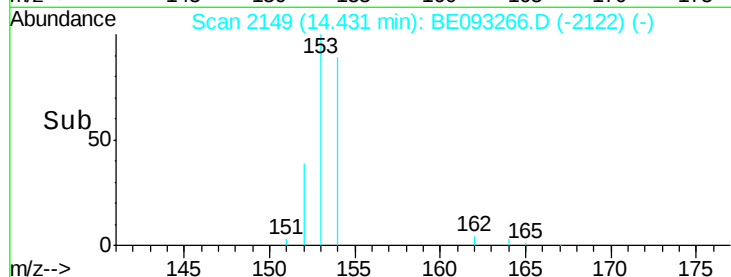
154 90.2 71.4 107.2



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



Time--> 14.35 14.40 14.45



#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

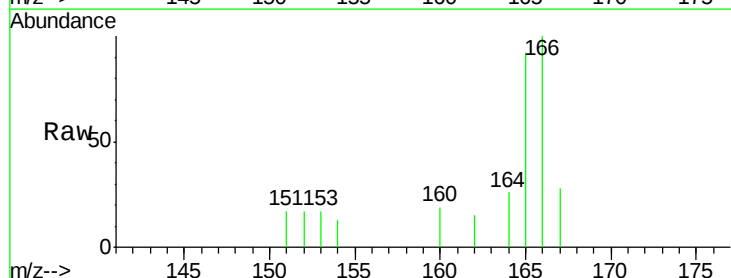
Tgt Ion:166 Resp: 615

Ion Ratio Lower Upper

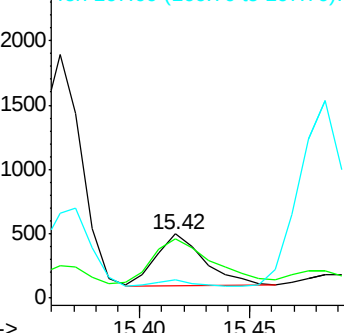
166 100

165 91.8 73.4 110.2

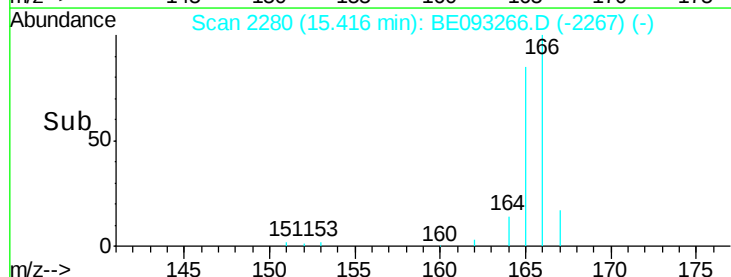
167 27.6 14.6 22.0#

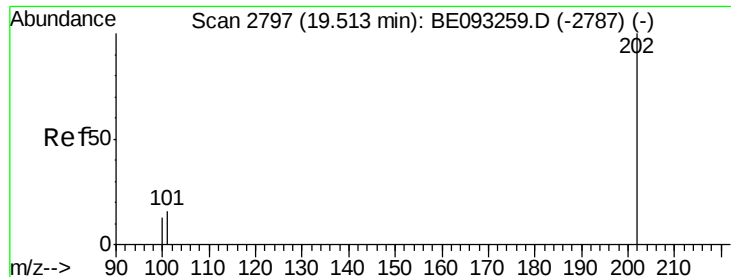


Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



Time--> 15.40 15.45





#17

Pvrene

Concen: 0.58 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA\_E

ClientSampleId :

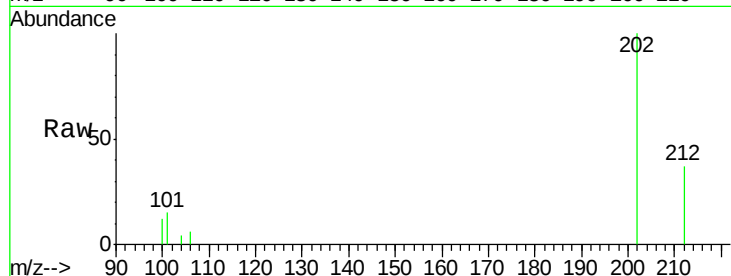
Tot Ion:202 Resp: 34925

Ion Ratio Lower Upper

202 100

101 14.6 18.2 27.4#

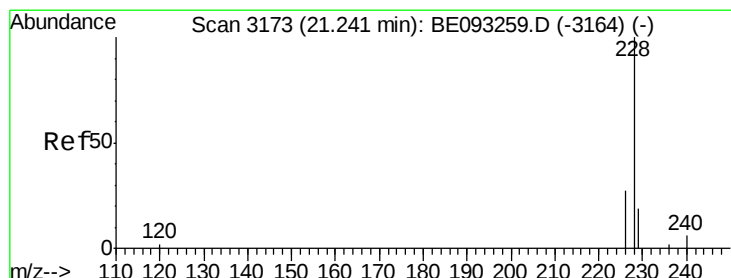
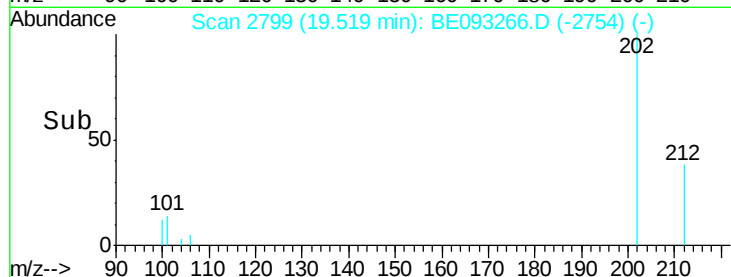
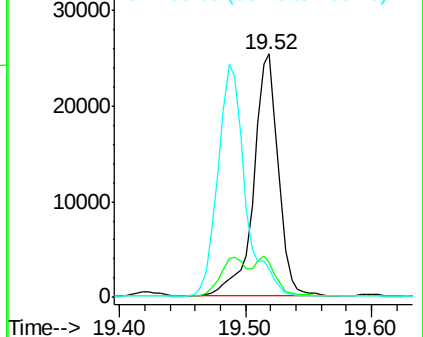
100 11.9 15.6 23.4#



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: 0.26 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

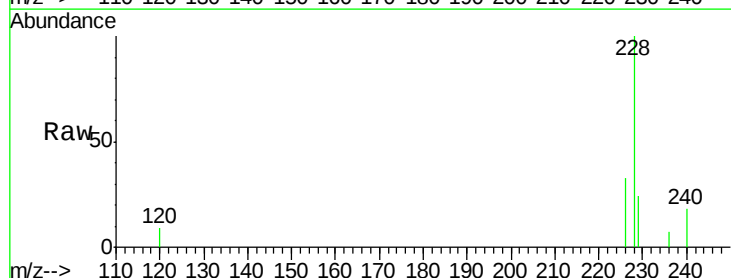
Tgt Ion:228 Resp: 14214

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

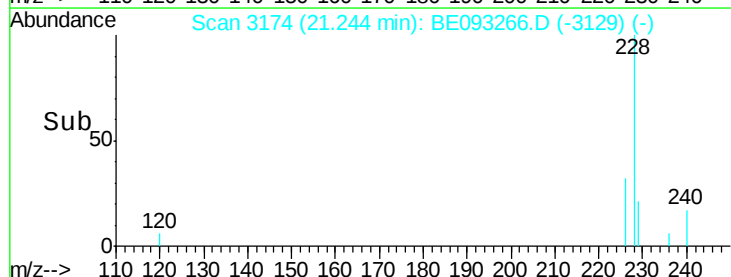
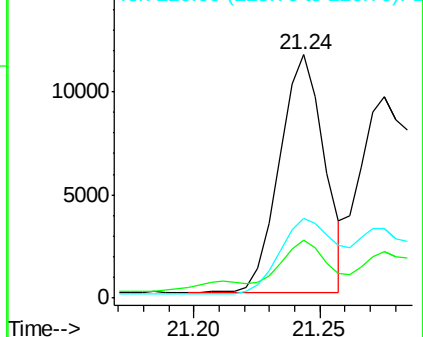
226 32.9 17.0 25.6#

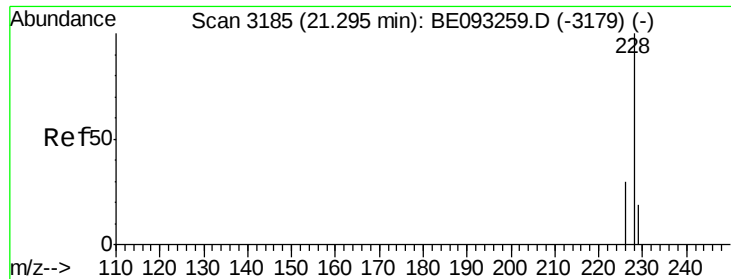


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.41 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA\_E

ClientSampleId :

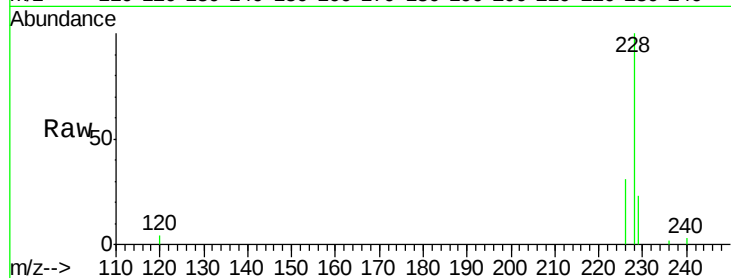
Tot Ion:228 Resp: 22853

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

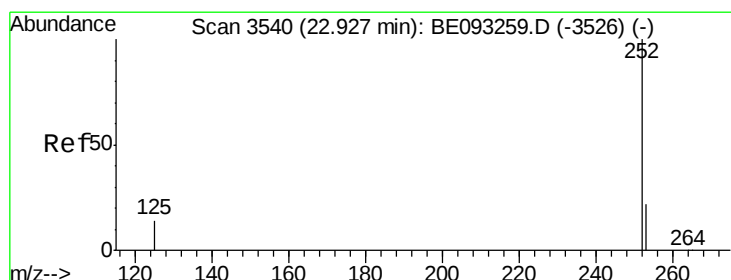
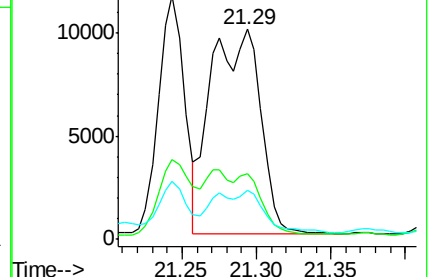
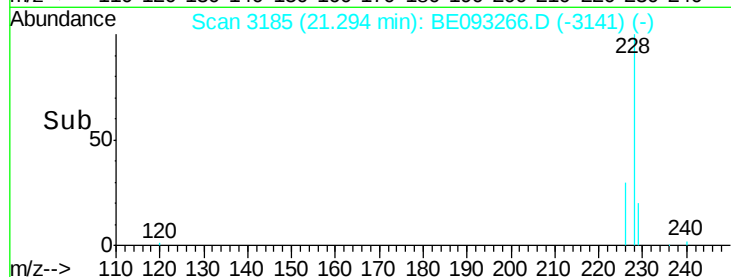
229 23.3 17.7 26.5



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: 0.01 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.00 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

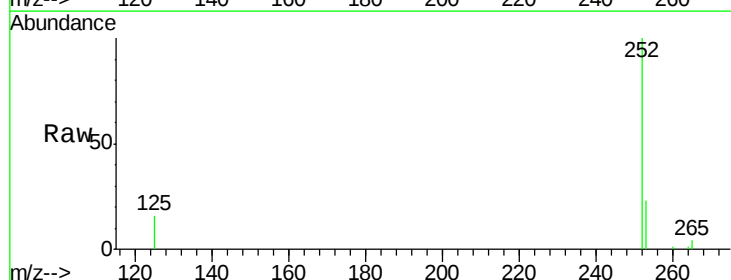
Tgt Ion:252 Resp: 53031

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

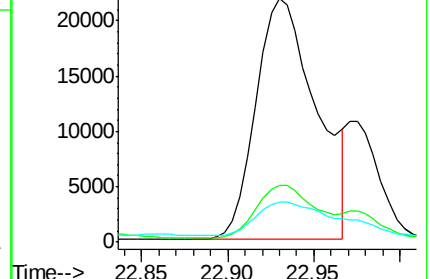
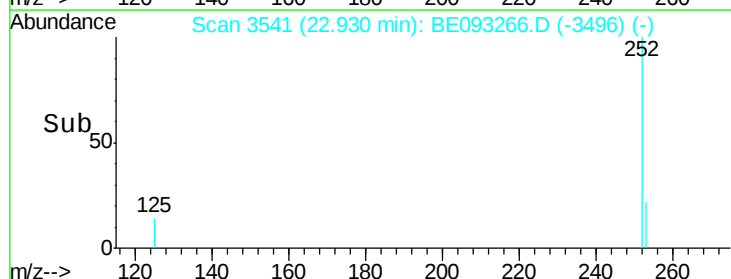
125 16.4 0.0 35.0

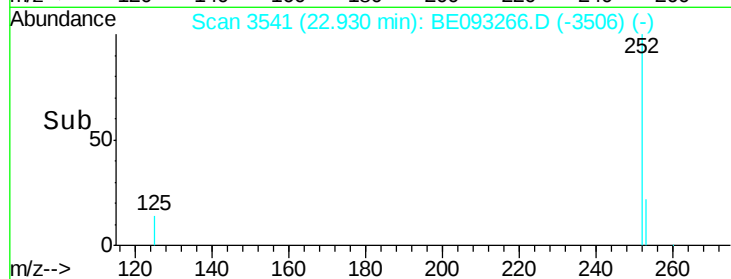
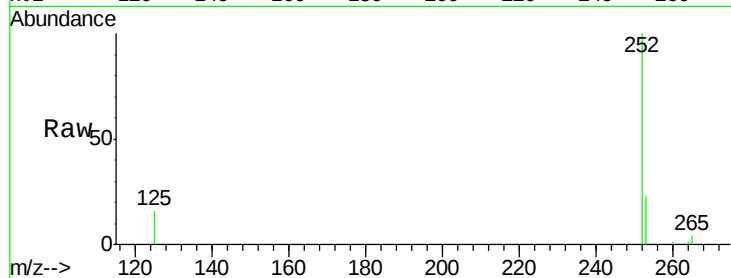
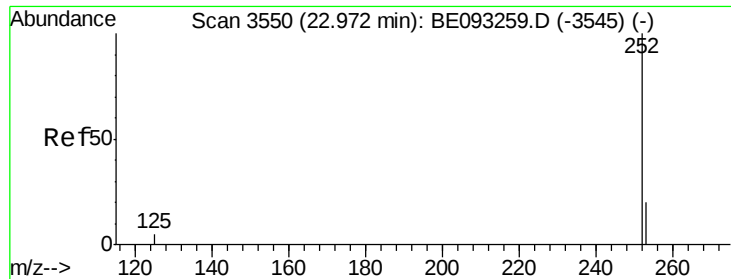


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BE093266.D

Acq: 20 Jun 2017 00:43

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:252 Resp: 66876

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

125 16.4 13.7 20.5

