

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081517\  
 Data File : BE093826.D  
 Acq On : 16 Aug 2017 2:36  
 Operator : SJ/JU  
 Sample : I4557-01DL 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AC4DL

Quant Time: Aug 16 07:38:33 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 07:30:49 2017  
 Response via : Initial Calibration

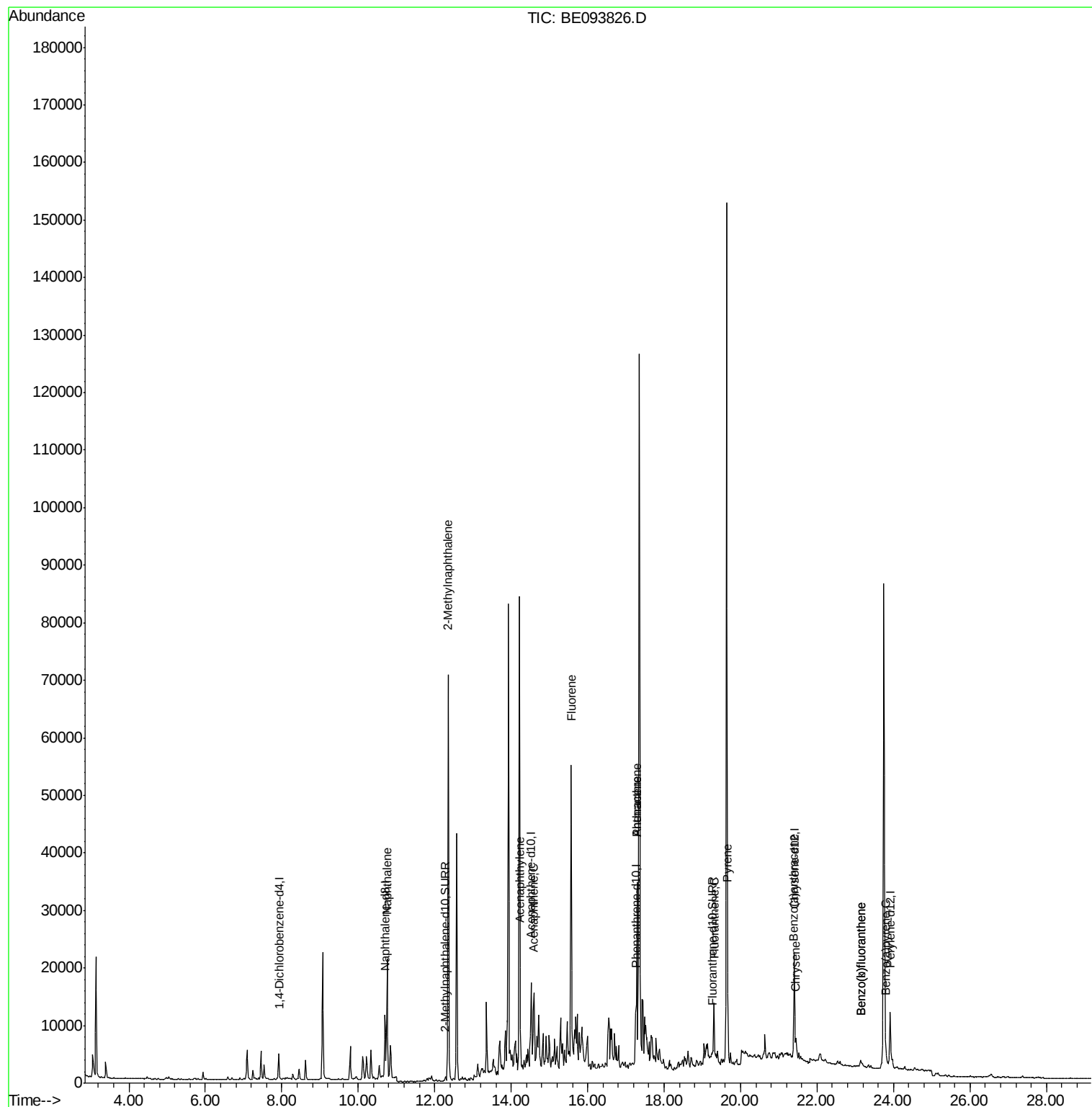
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 2236     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.70 | 136  | 11887    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.52 | 164  | 7342     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 16473    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.41 | 240  | 16627    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.91 | 264  | 15953    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 784      | 0.04   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 1391     | 0.03   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.75 | 128  | 31545    | 1.091  | ng/ul# | 93       |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 59627    | 2.827  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.24 | 152  | 2675     | 0.087  | ng/ul# | 41       |
| 8) Acenaphthene             | 14.58 | 153  | 5922     | 0.245  | ng/ul  | 95       |
| 9) Fluorene                 | 15.57 | 166  | 32947    | 1.079  | ng/ul  | 92       |
| 12) Phenanthrene            | 17.29 | 178  | 36517    | 0.814  | ng/ul  | 94       |
| 13) Anthracene              | 17.29 | 178  | 35599    | 0.815  | ng/ul  | 96       |
| 15) Fluoranthene            | 19.30 | 202  | 10216    | 0.182  | ng/ul  | 81       |
| 17) Pyrene                  | 19.66 | 202  | 15808    | 0.326  | ng/ul# | 86       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 4179     | 0.087  | ng/ul# | 49       |
| 19) Chrysene                | 21.44 | 228  | 3778     | 0.082  | ng/ul# | 47       |
| 21) Benzo(b)fluoranthene    | 23.14 | 252  | 2615     | 0.053  | ng/ul# | 32       |
| 22) Benzo(k)fluoranthene    | 23.14 | 252  | 2627     | 0.054  | ng/ul# | 29       |
| 23) Benzo(a)pyrene          | 23.80 | 252  | 2124     | 0.045  | ng/ul# | 47       |

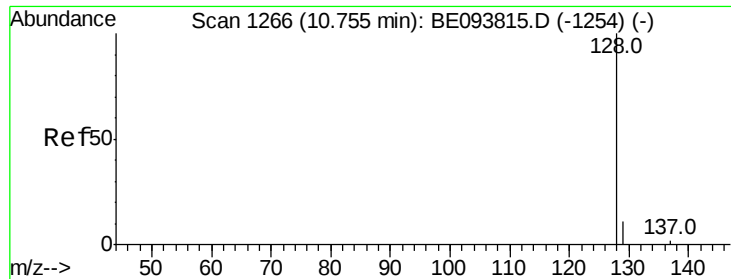
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.091 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

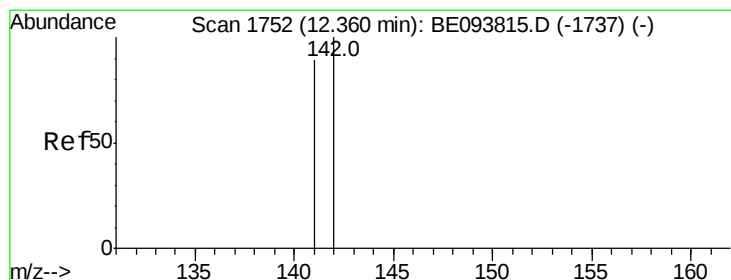
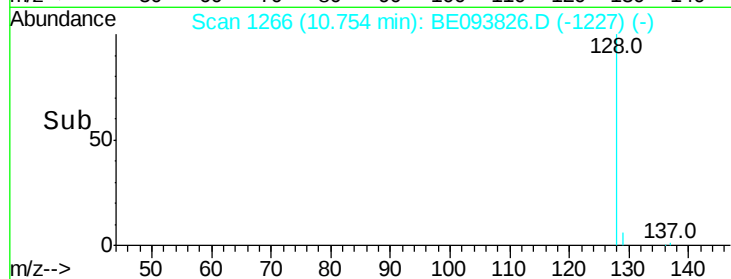
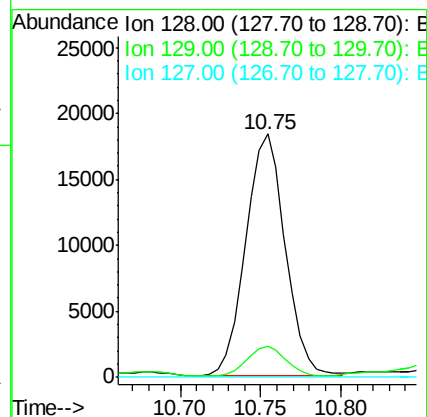
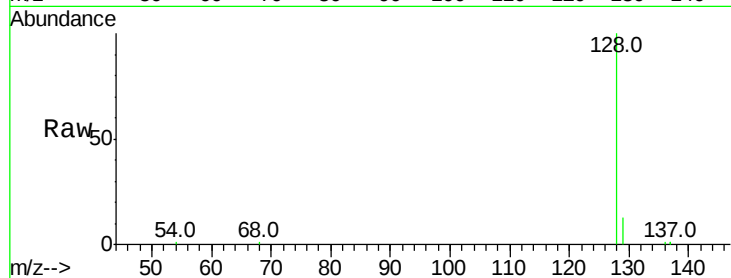
Tot Ion:128 Resp: 31545

Ion Ratio Lower Upper

128 100

129 12.6 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 2.827 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093826.D

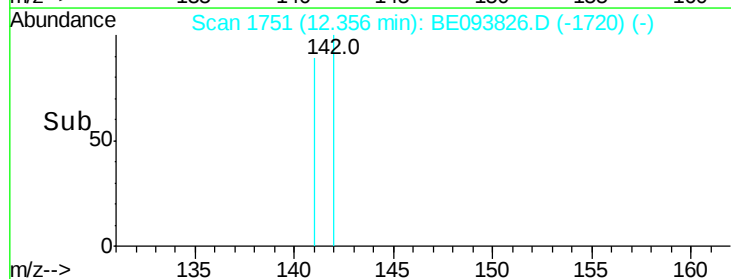
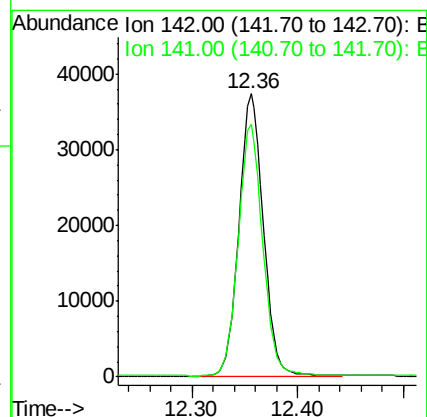
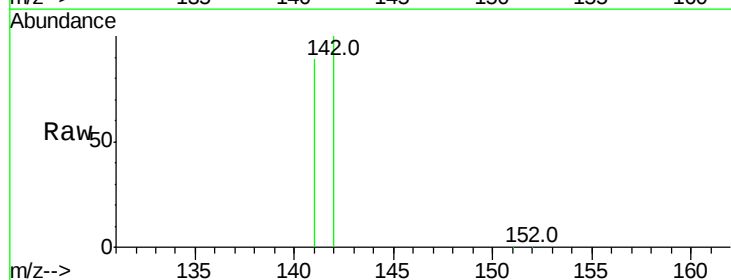
Acq: 16 Aug 2017 2:36

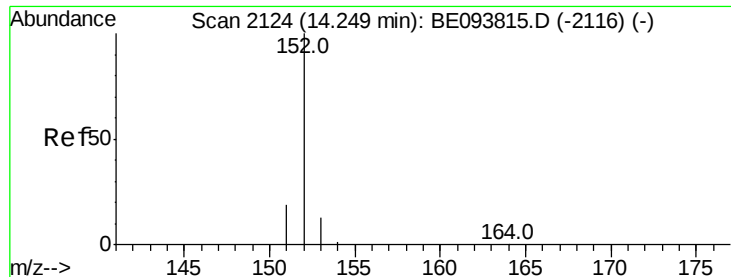
Tgt Ion:142 Resp: 59627

Ion Ratio Lower Upper

142 100

141 89.7 72.6 108.8





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

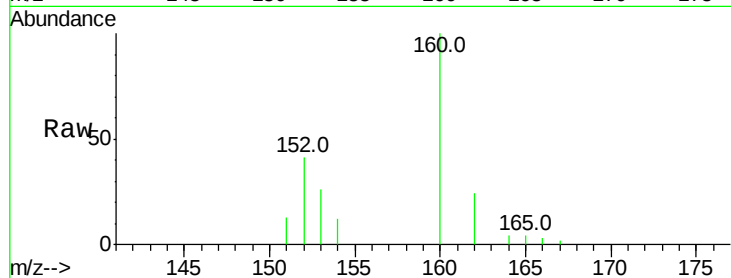
Tot Ion:152 Resp: 2675

Ion Ratio Lower Upper

152 100

151 30.8 17.1 25.7#

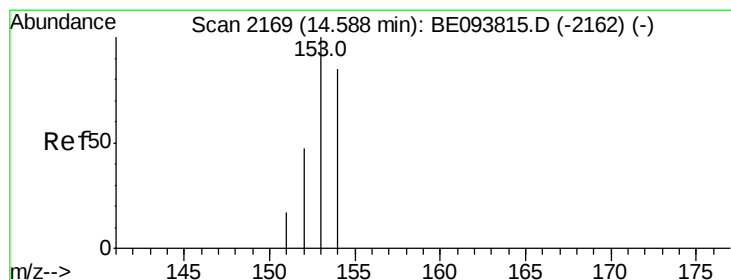
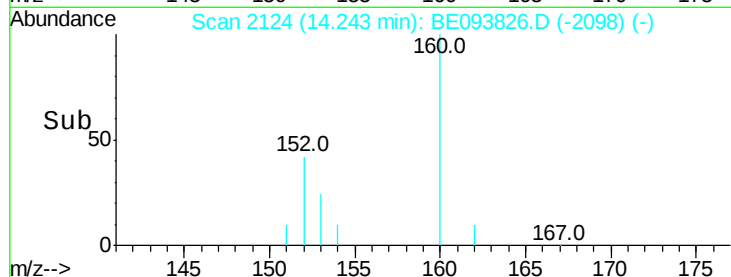
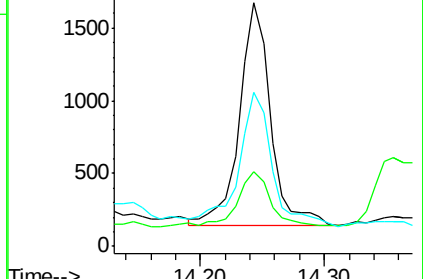
153 63.2 12.8 19.2#



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: 0.245 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

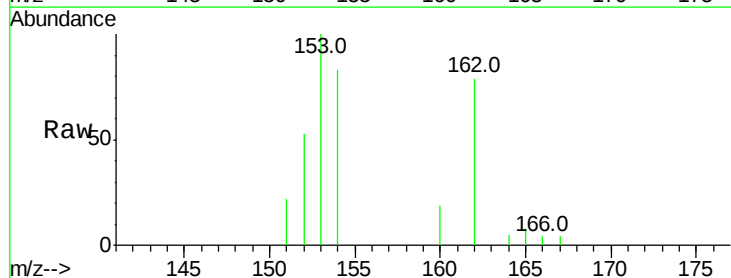
Tgt Ion:153 Resp: 5922

Ion Ratio Lower Upper

153 100

152 53.1 40.3 60.5

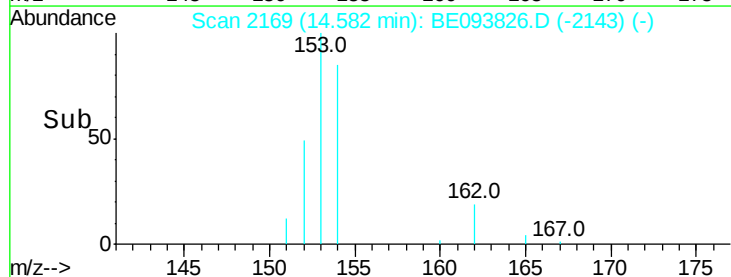
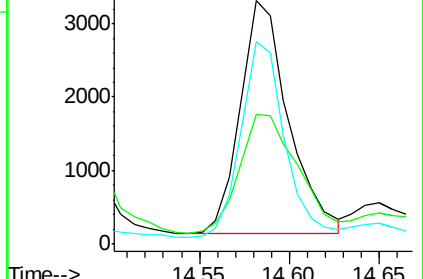
154 83.4 71.4 107.2

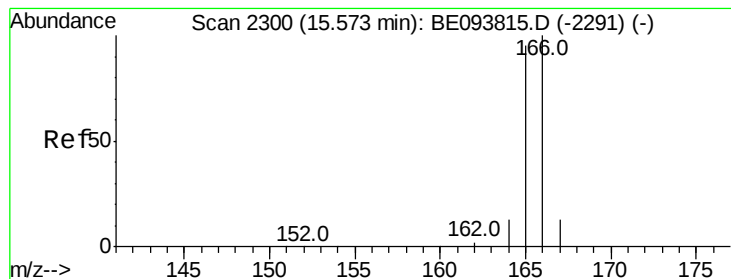


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.079 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

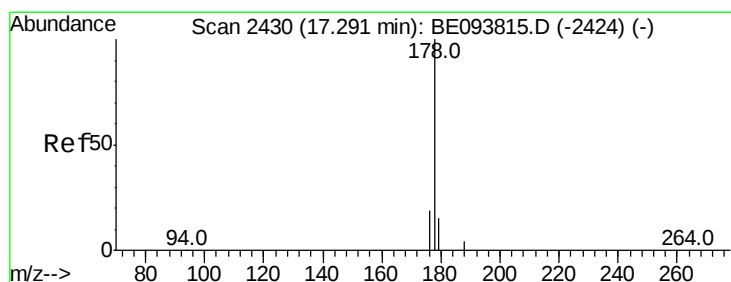
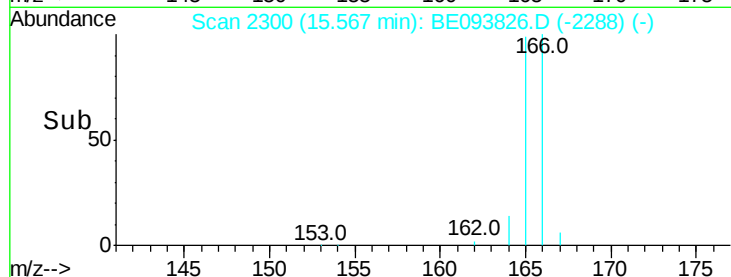
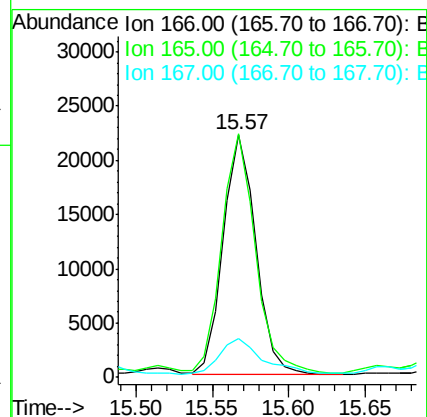
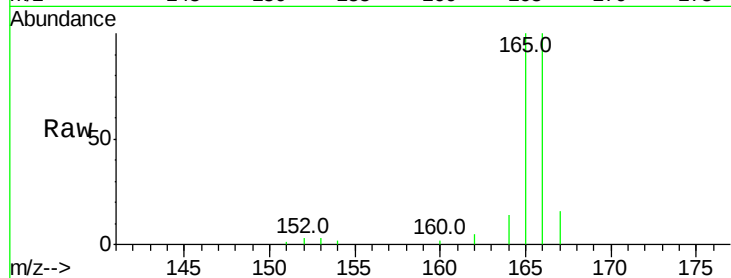
Tot Ion:166 Resp: 32947

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

167 15.9 14.6 22.0



#12

Phenanthrene

Concen: 0.814 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

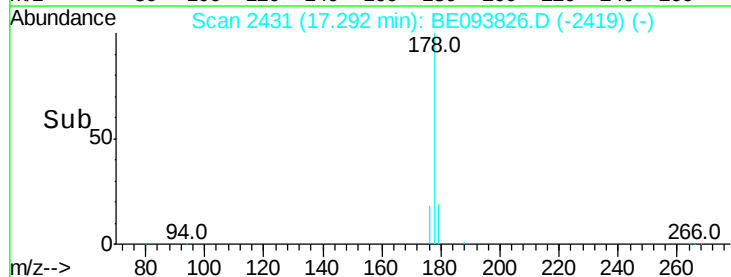
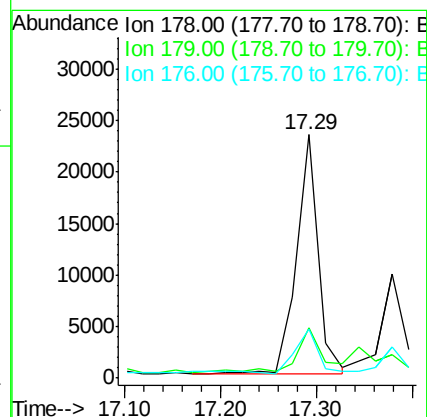
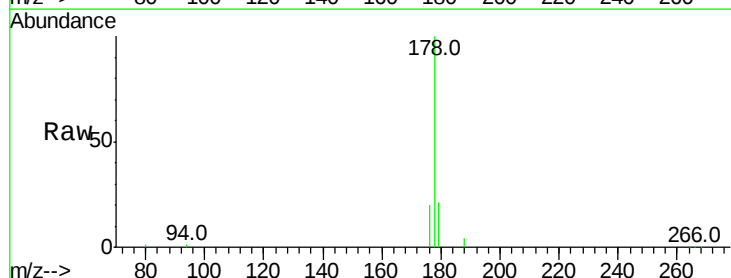
Tgt Ion:178 Resp: 36517

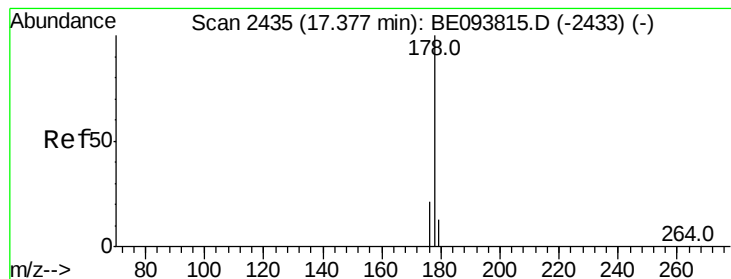
Ion Ratio Lower Upper

178 100

179 20.8 18.4 27.6

176 19.9 13.6 20.4





#13

Anthracene

Concen: 0.815 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.09 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

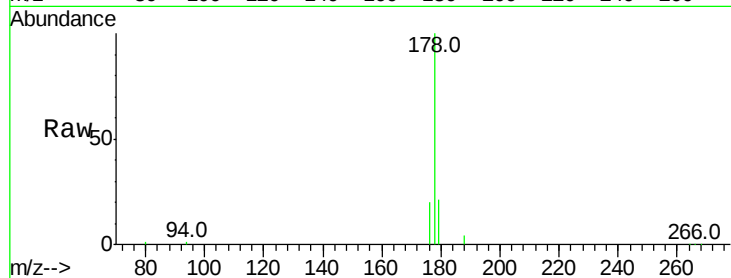
Tot Ion:178 Resp: 35599

Ion Ratio Lower Upper

178 100

179 20.8 18.1 27.1

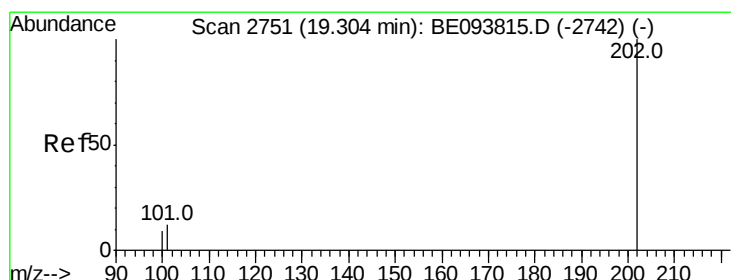
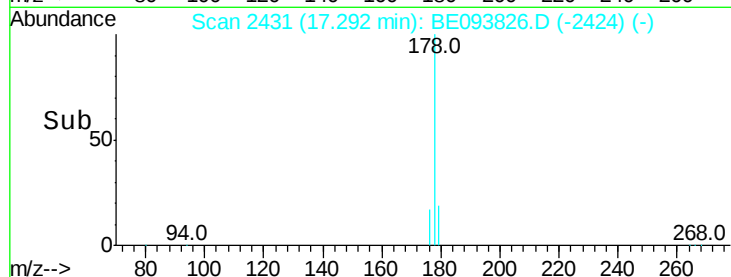
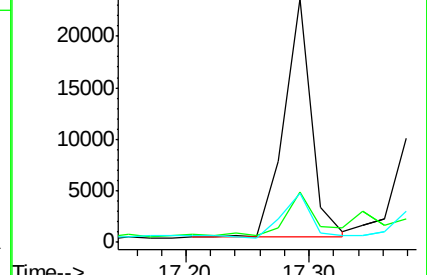
176 19.9 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.182 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

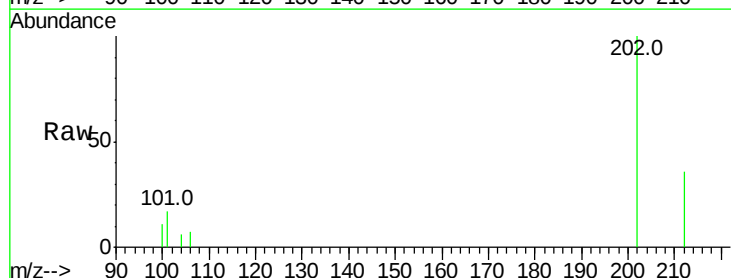
Tgt Ion:202 Resp: 10216

Ion Ratio Lower Upper

202 100

101 17.4 0.0 30.3

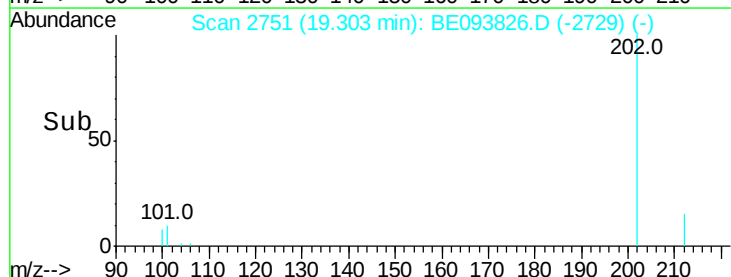
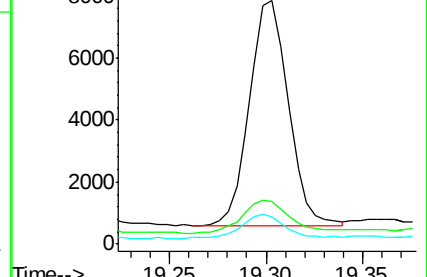
100 11.2 0.0 39.5

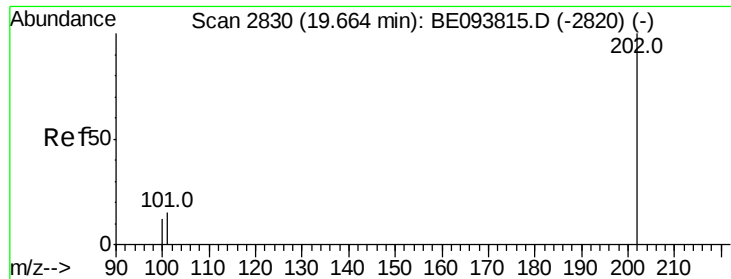


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.326 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

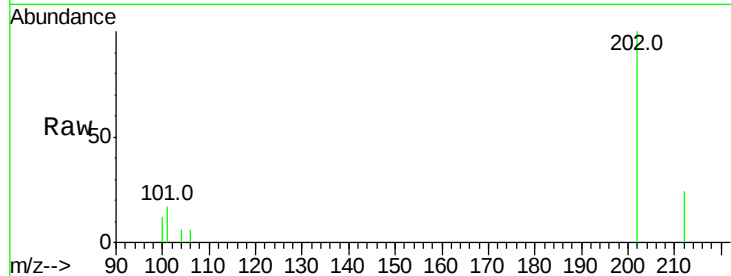
Tot Ion:202 Resp: 15808

Ion Ratio Lower Upper

202 100

101 16.6 18.2 27.4#

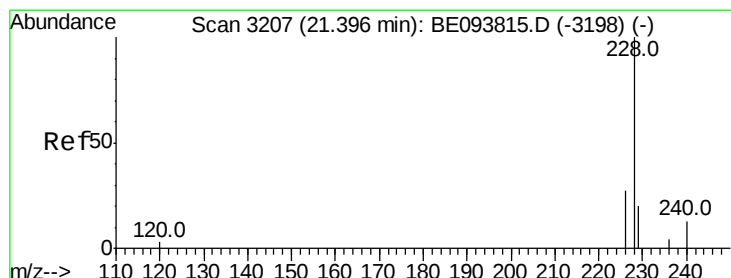
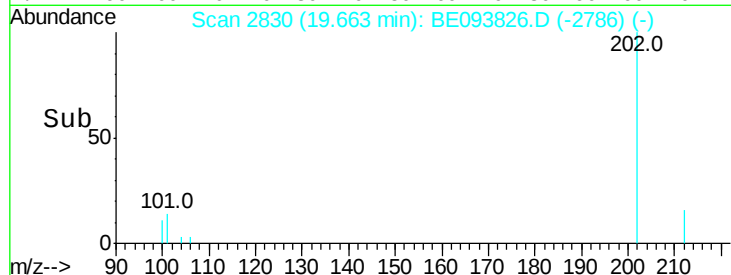
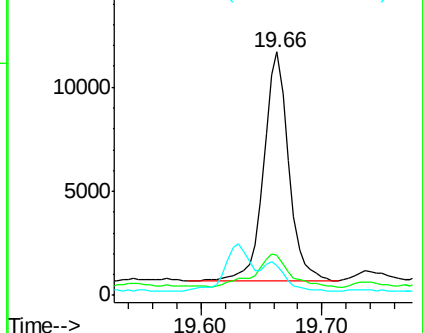
100 12.3 15.6 23.4#



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: 0.087 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

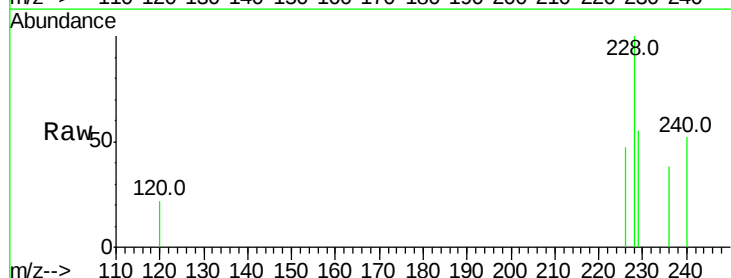
Tgt Ion:228 Resp: 4179

Ion Ratio Lower Upper

228 100

229 54.7 22.8 34.2#

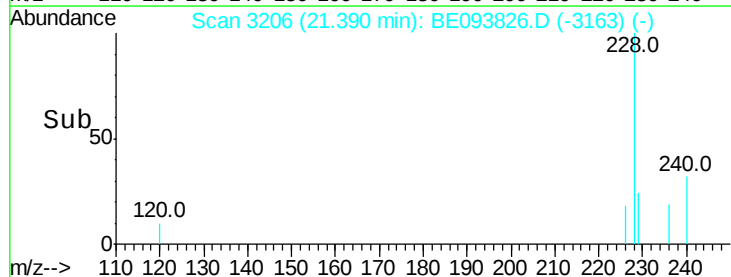
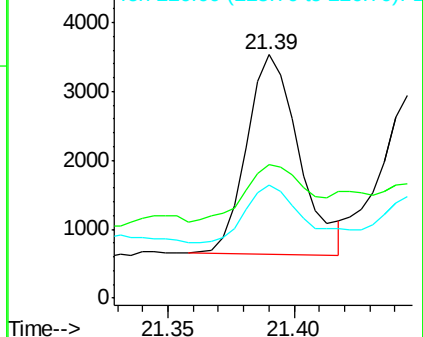
226 46.7 17.0 25.6#

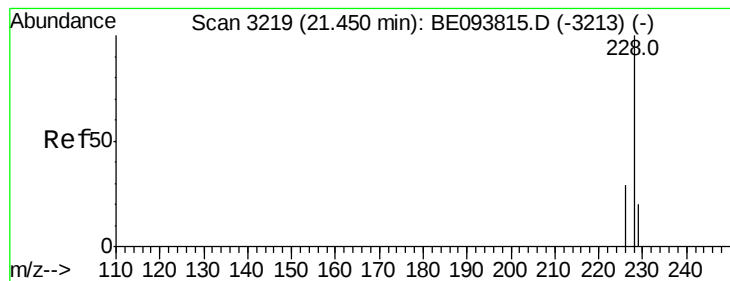


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.082 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleID :

C0AC4DL

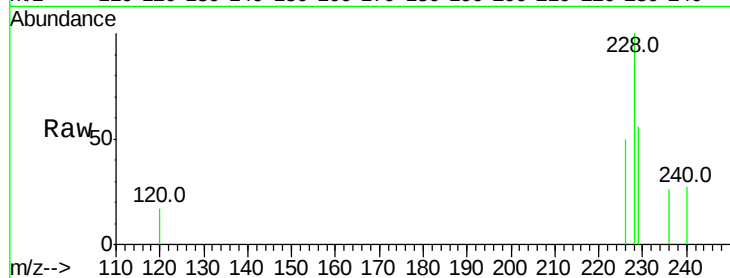
Tot Ion:228 Resp: 3778

Ion Ratio Lower Upper

228 100

226 50.1 23.4 35.0#

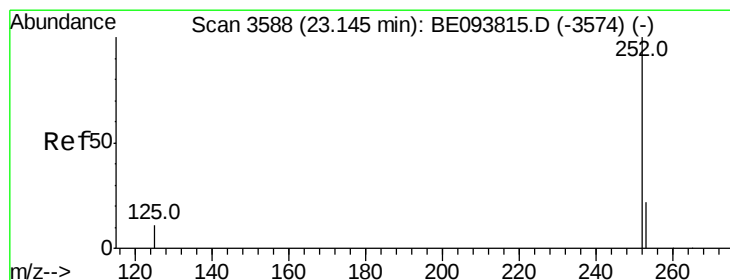
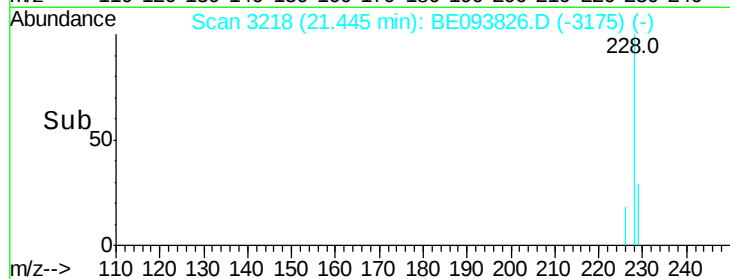
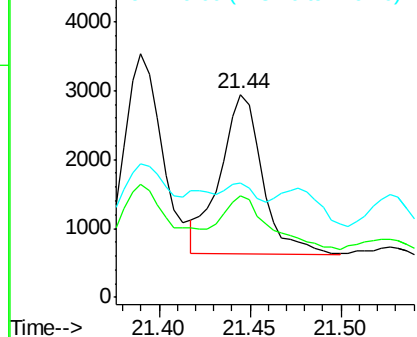
229 56.2 17.7 26.5#



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: 0.053 ng/ul

RT: 23.14 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

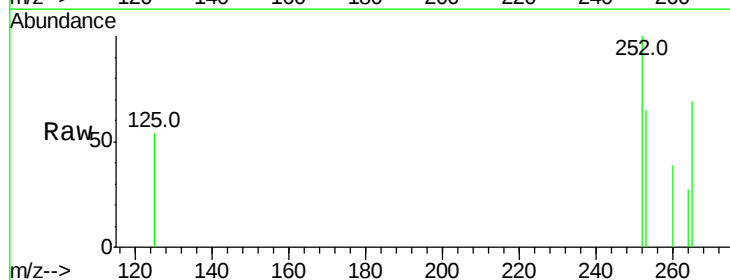
Tgt Ion:252 Resp: 2615

Ion Ratio Lower Upper

252 100

253 65.4 0.0 64.2#

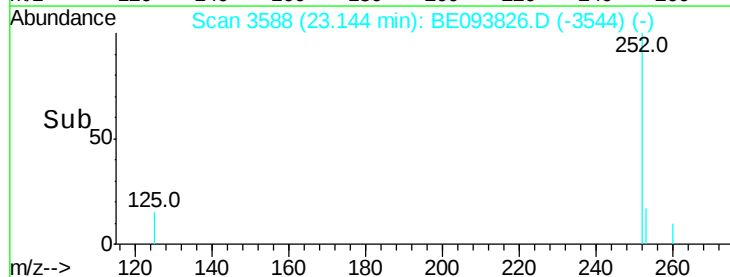
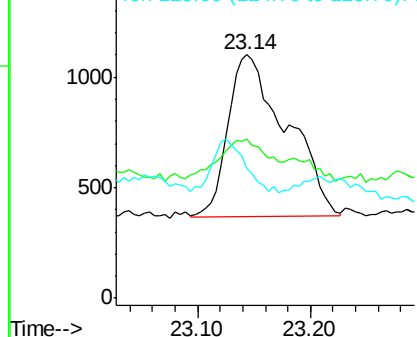
125 53.5 0.0 35.0#

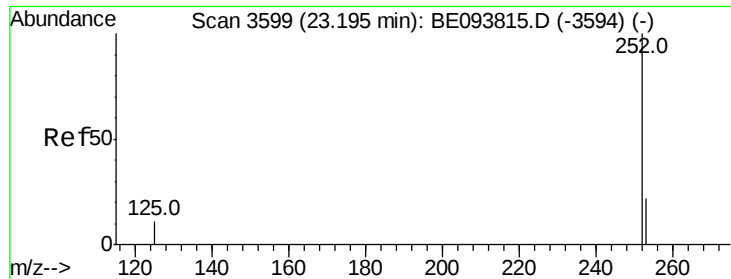


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.054 ng/u1

RT: 23.14 min Scan# 3588

Delta R.T. -0.05 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

Instrument :

BNA\_E

ClientSampleId :

C0AC4DL

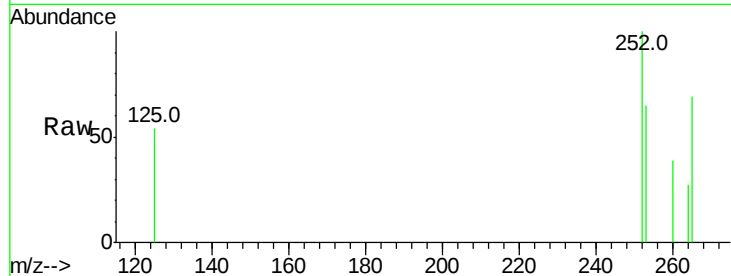
Tot Ion:252 Resp: 2627

Ion Ratio Lower Upper

252 100

253 65.4 24.5 36.7#

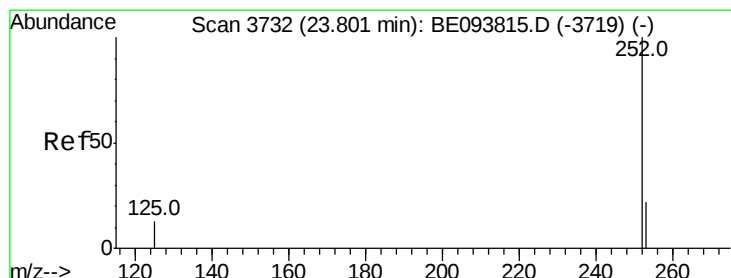
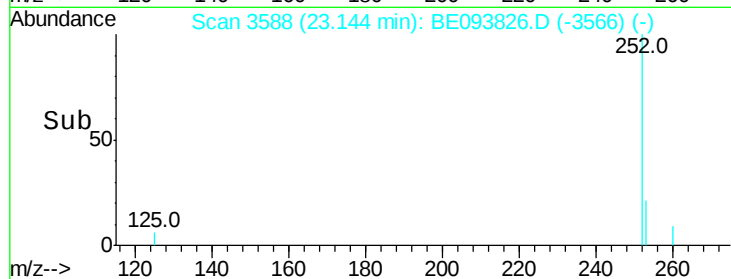
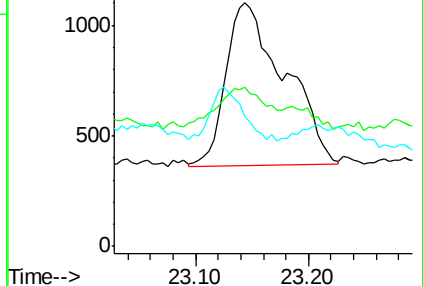
125 53.5 13.7 20.5#



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: 0.045 ng/u1

RT: 23.80 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BE093826.D

Acq: 16 Aug 2017 2:36

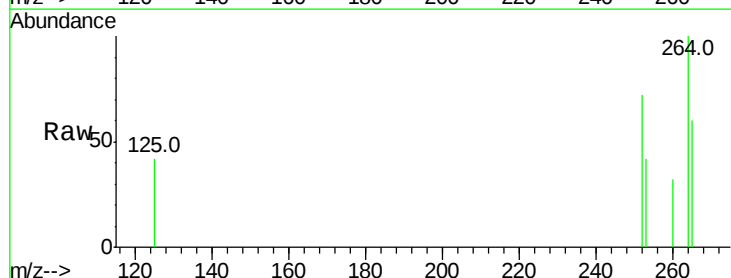
Tgt Ion:252 Resp: 2124

Ion Ratio Lower Upper

252 100

253 59.1 28.5 42.7#

125 57.9 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

