

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
 Data File : BE093768.D  
 Acq On : 11 Aug 2017 6:08  
 Operator : SJ/JU  
 Sample : I4504-19  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AB6

Quant Time: Aug 11 19:00:14 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 11 06:07:04 2017  
 Response via : Initial Calibration

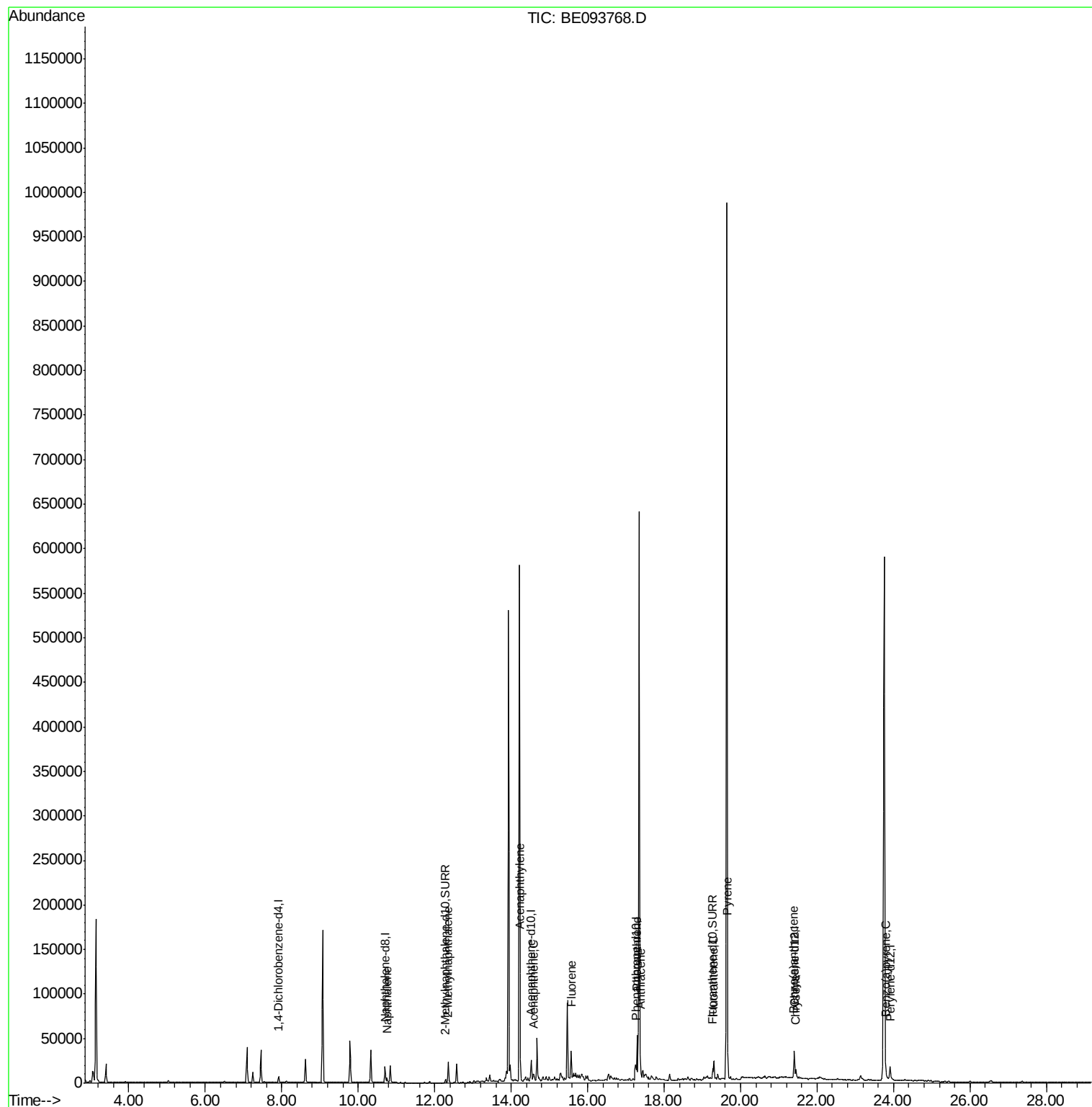
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 3602     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.71 | 136  | 18746    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.52 | 164  | 12004    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 26085    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.41 | 240  | 25676    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.91 | 264  | 27237    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 4833     | 0.16   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 12618    | 0.15   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 3) Naphthalene              | 10.75 | 128  | 7877     | 0.173  | ng/ul# | 96       |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 19494    | 0.586  | ng/ul  | 98       |
| 7) Acenaphthylene           | 14.24 | 152  | 2461     | 0.049  | ng/ul# | 51       |
| 8) Acenaphthene             | 14.58 | 153  | 4575     | 0.116  | ng/ul  | 95       |
| 9) Fluorene                 | 15.57 | 166  | 20042    | 0.401  | ng/ul  | 91       |
| 12) Phenanthrene            | 17.29 | 178  | 54301    | 0.764  | ng/ul# | 91       |
| 13) Anthracene              | 17.38 | 178  | 16697    | 0.241  | ng/ul# | 82       |
| 15) Fluoranthene            | 19.30 | 202  | 20767    | 0.234  | ng/ul  | 82       |
| 17) Pyrene                  | 19.66 | 202  | 33361    | 0.445  | ng/ul# | 85       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 11449    | 0.154  | ng/ul# | 72       |
| 19) Chrysene                | 21.45 | 228  | 10499    | 0.147  | ng/ul# | 73       |
| 23) Benzo(a)pyrene          | 23.80 | 252  | 5796     | 0.072  | ng/ul# | 87       |

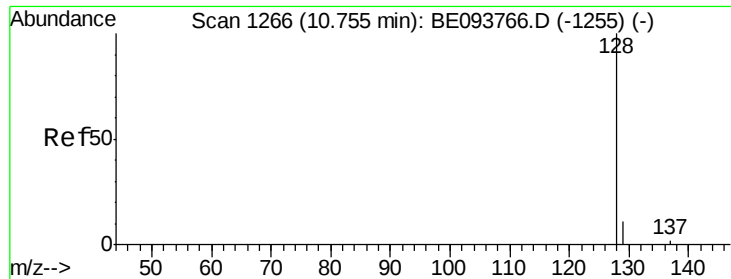
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.173 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

Instrument :

BNA\_E

ClientSampleId :

C0AB6

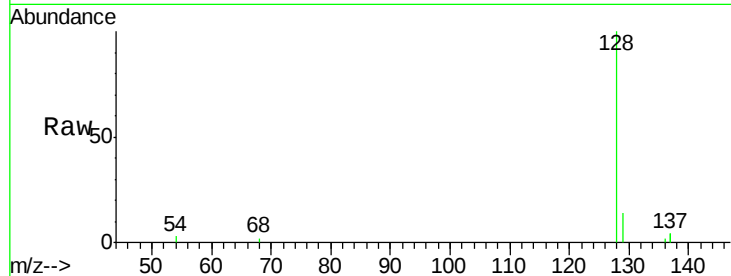
Tgt Ion:128 Resp: 7877

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

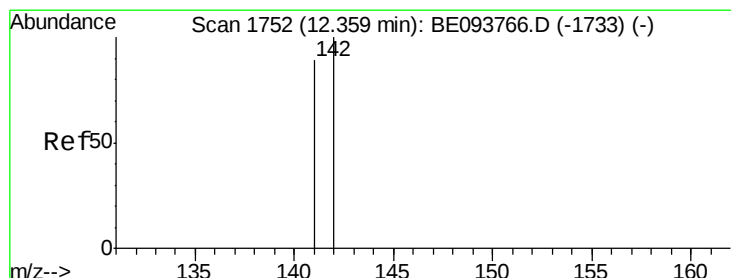
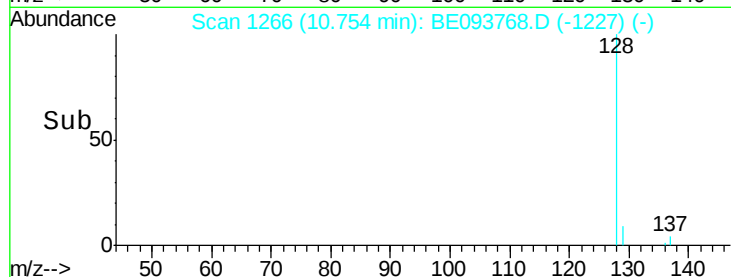
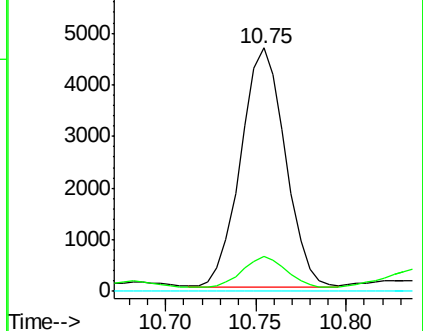
127 0.0 4.0 6.0#



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: 0.586 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093768.D

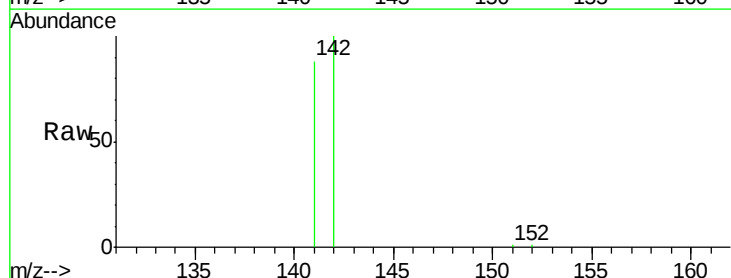
Acq: 11 Aug 2017 6:08

Tgt Ion:142 Resp: 19494

Ion Ratio Lower Upper

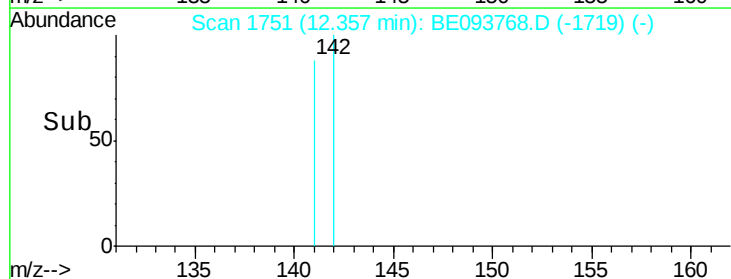
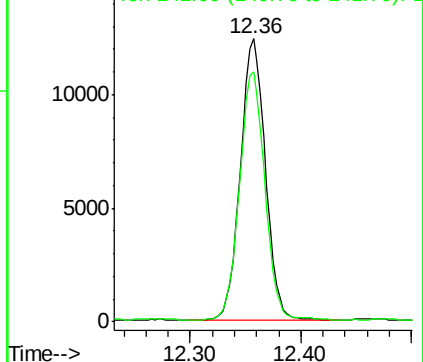
142 100

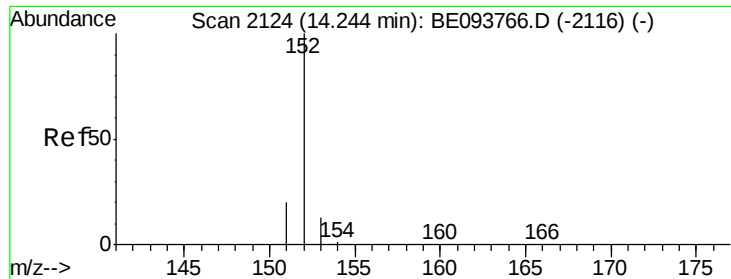
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

Instrument :

BNA\_E

ClientSampleId :

C0AB6

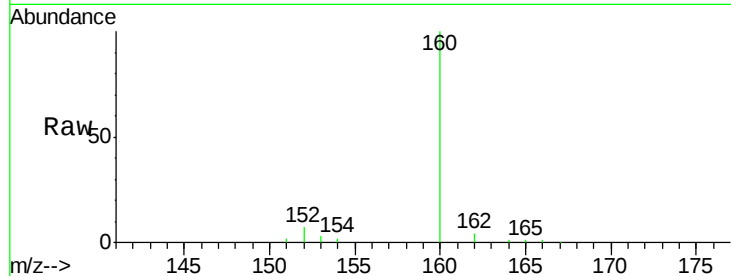
Tgt Ion:152 Resp: 2461

Ion Ratio Lower Upper

152 100

151 34.3 17.1 25.7#

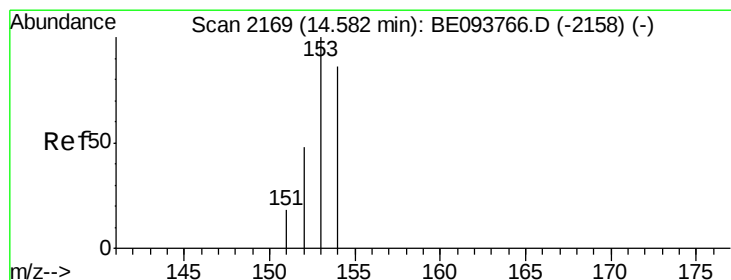
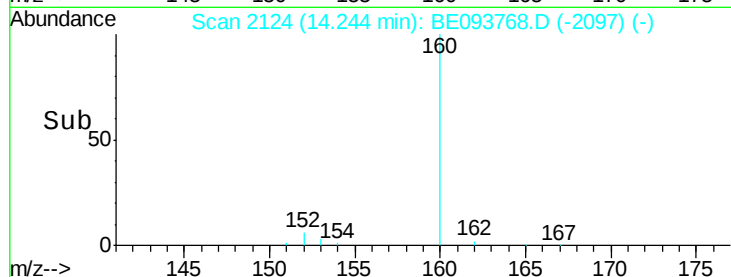
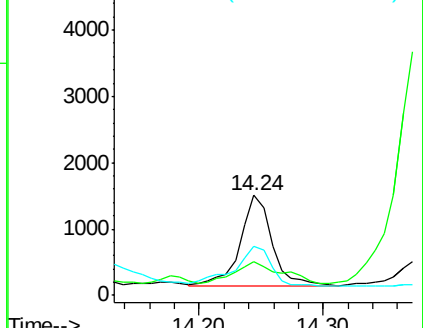
153 49.1 12.8 19.2#



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: 0.116 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

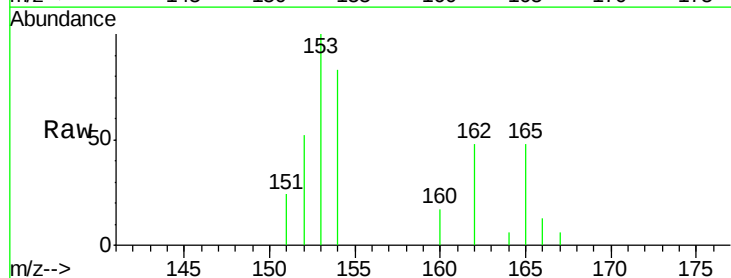
Tgt Ion:153 Resp: 4575

Ion Ratio Lower Upper

153 100

152 51.6 40.3 60.5

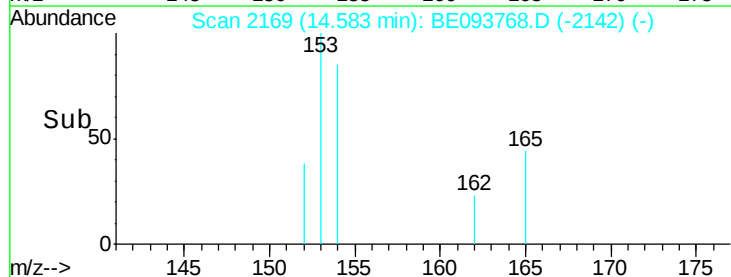
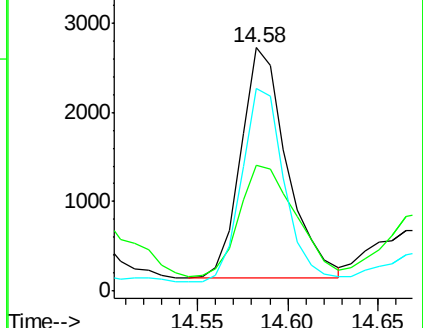
154 83.5 71.4 107.2

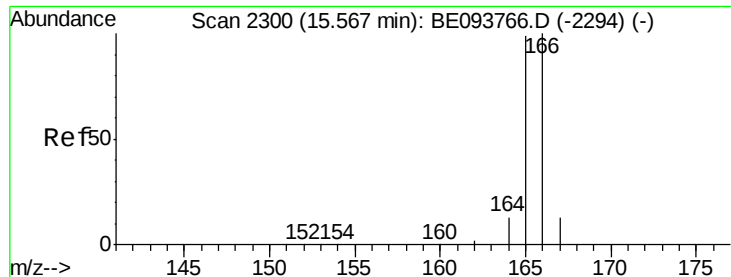


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.401 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

Instrument :

BNA\_E

ClientSampleId :

C0AB6

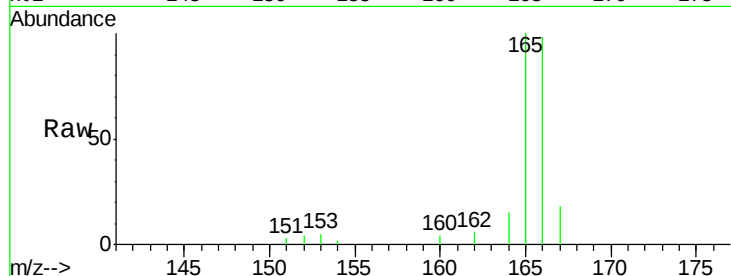
Tgt Ion:166 Resp: 20042

Ion Ratio Lower Upper

166 100

165 102.2 73.4 110.2

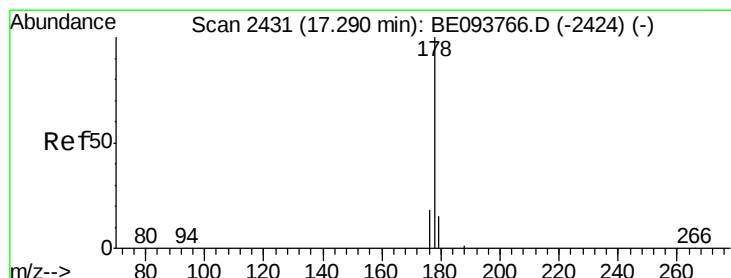
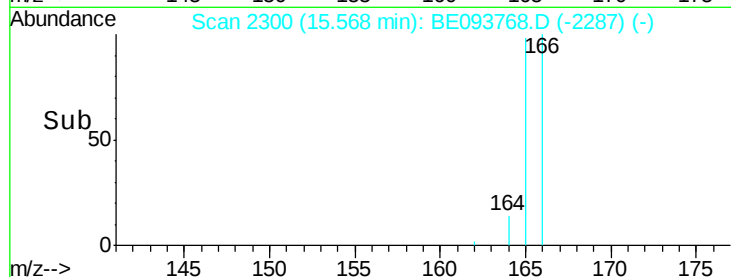
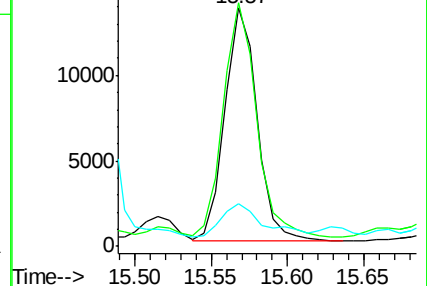
167 18.0 14.6 22.0



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



#12

Phenanthrene

Concen: 0.764 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

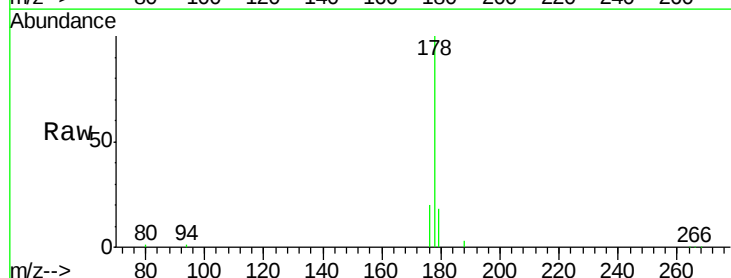
Tgt Ion:178 Resp: 54301

Ion Ratio Lower Upper

178 100

179 17.9 18.4 27.6#

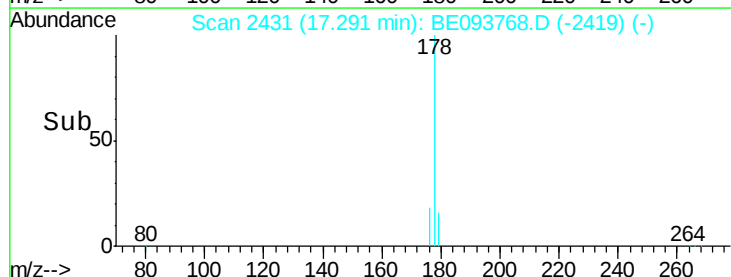
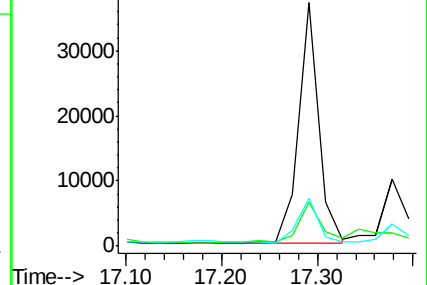
176 19.8 13.6 20.4

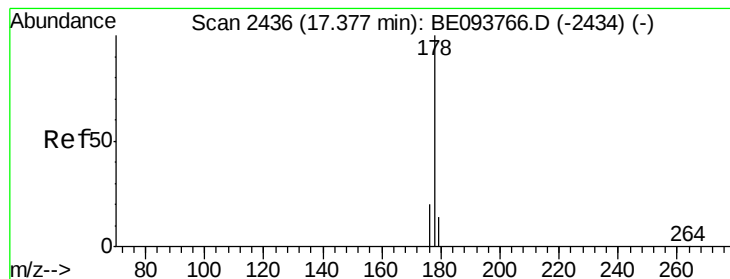


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.241 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

Instrument :

BNA\_E

ClientSampleId :

C0AB6

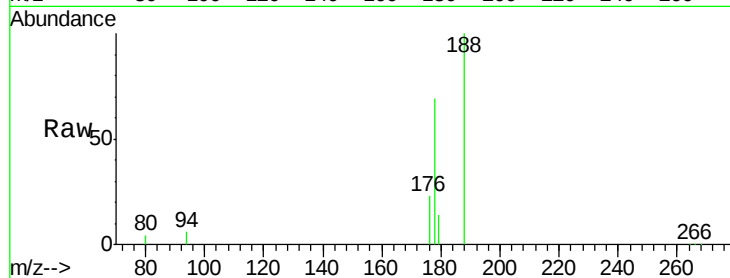
Tgt Ion:178 Resp: 16697

Ion Ratio Lower Upper

178 100

179 20.6 18.1 27.1

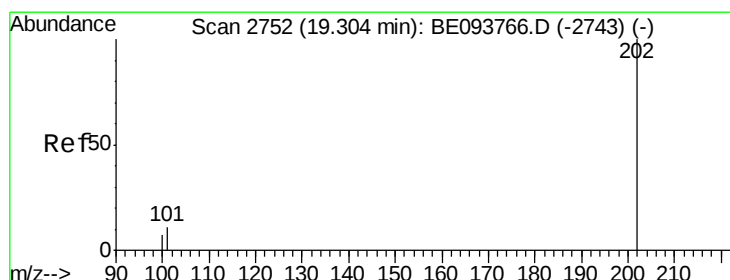
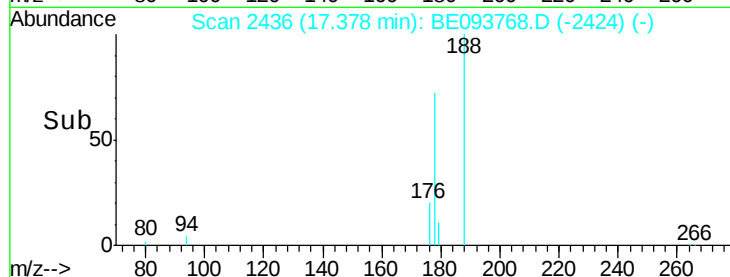
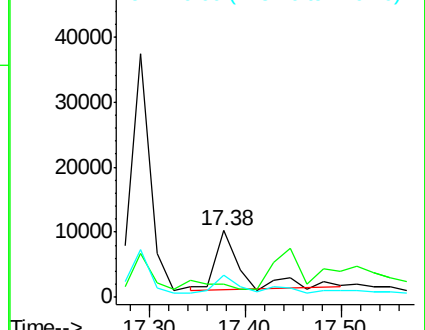
176 34.0 14.7 22.1#



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: 0.234 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

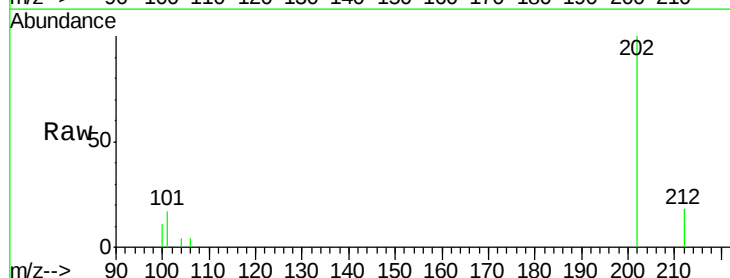
Tgt Ion:202 Resp: 20767

Ion Ratio Lower Upper

202 100

101 16.9 0.0 30.3

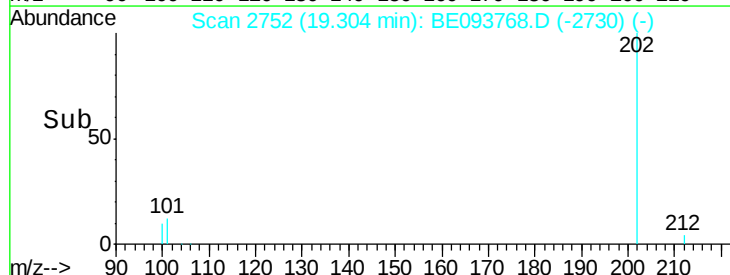
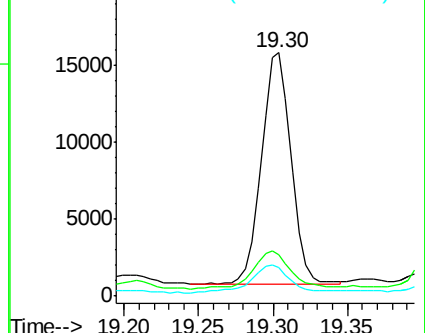
100 11.5 0.0 39.5

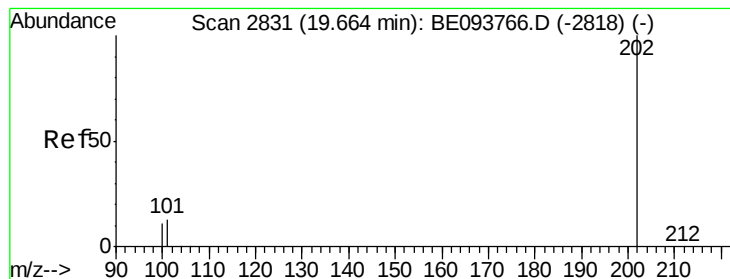


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.445 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

Instrument :

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ClientSampleId :

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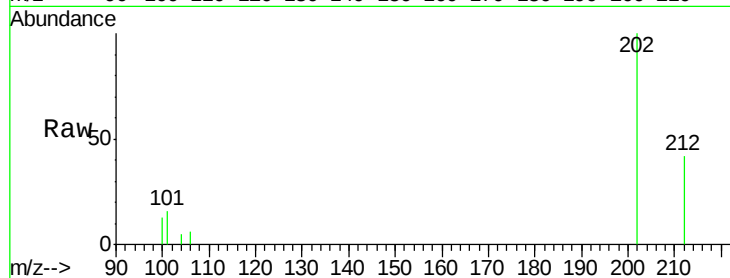
Tgt Ion:202 Resp: 33361

Ion Ratio Lower Upper

202 100

101 15.7 18.2 27.4#

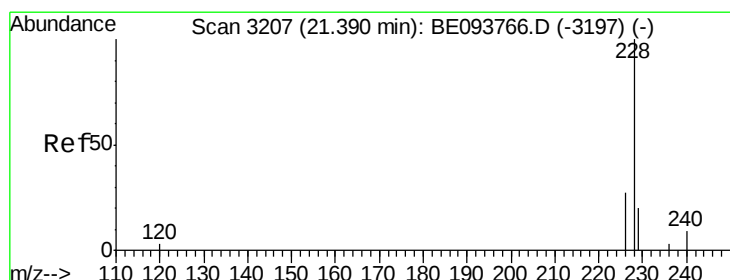
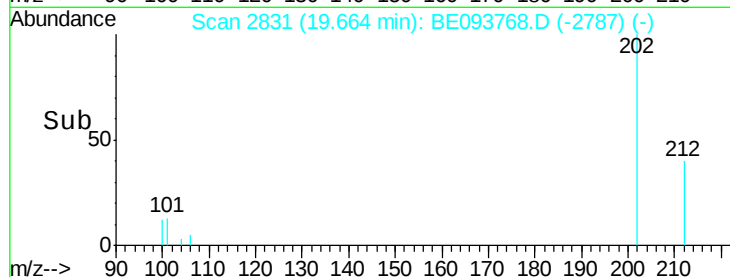
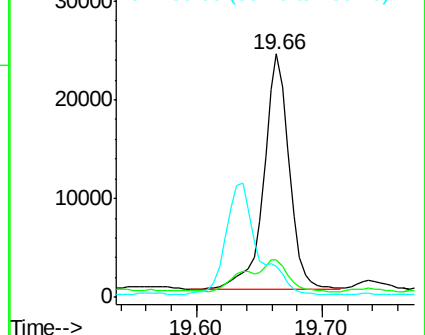
100 12.7 15.6 23.4#



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: 0.154 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

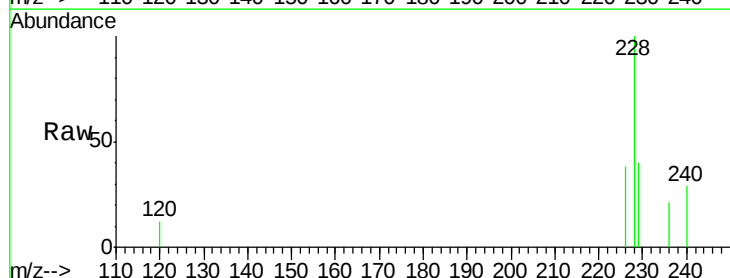
Tgt Ion:228 Resp: 11449

Ion Ratio Lower Upper

228 100

229 40.5 22.8 34.2#

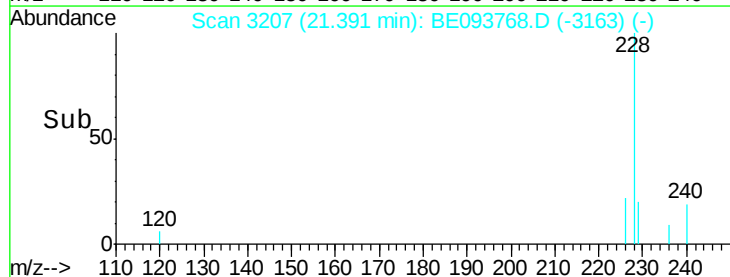
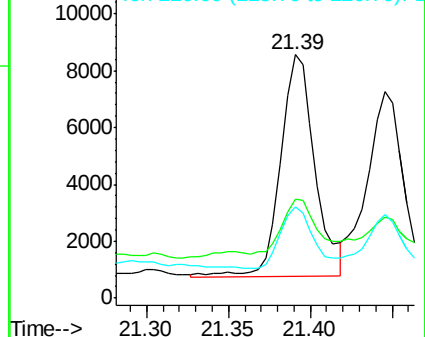
226 37.6 17.0 25.6#

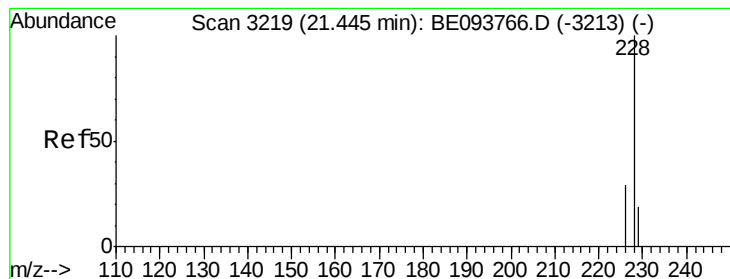


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.147 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BE093768.D

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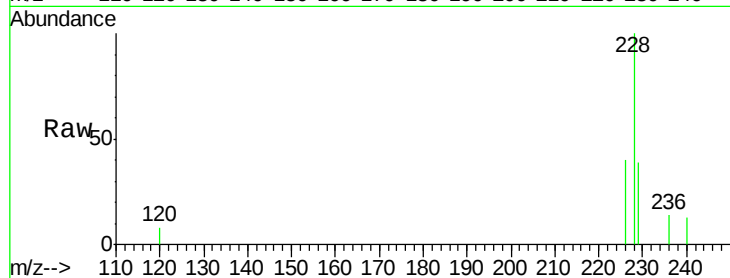
Tgt Ion:228 Resp: 10499

Ion Ratio Lower Upper

228 100

226 40.3 23.4 35.0#

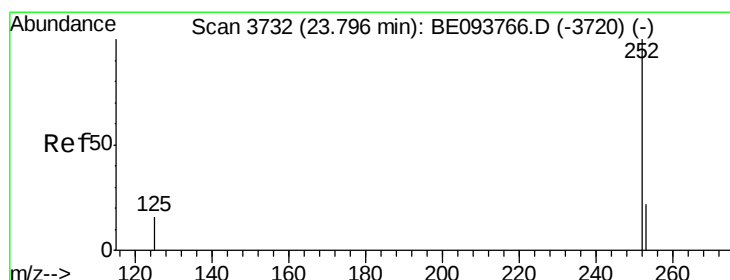
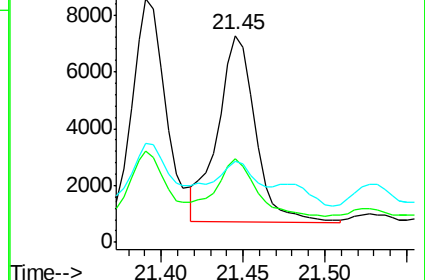
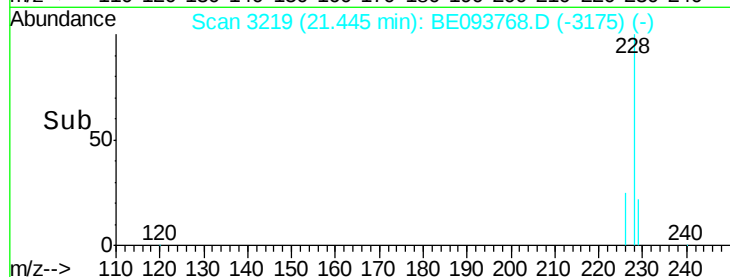
229 38.9 17.7 26.5#



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: 0.072 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. 0.00 min

Lab File: BE093768.D

Acq: 11 Aug 2017 6:08

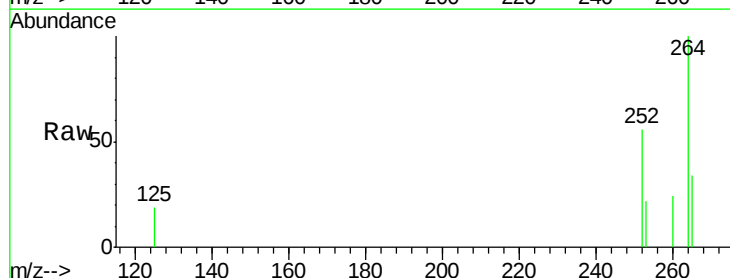
Tgt Ion:252 Resp: 5796

Ion Ratio Lower Upper

252 100

253 39.3 28.5 42.7

125 33.9 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

