

Data File : BE093141.D  
Acq On : 13 Jun 2017 21:29  
Operator : SJ/MA  
Sample : I3558-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A56

Quant Time: Jun 14 01:26:36 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 14 01:25:15 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 4348     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.52 | 136  | 20762    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.37 | 164  | 12760    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 30391    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 33730    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.51 | 264  | 1308554  | 0.40 | ng/ul | -0.15    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 5311     | 0.17 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 16247    | 0.20 | ng/ul | 0.00     |

| Target Compounds       | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene         | 10.57 | 128  | 23335    | 0.45 | ng/ul# | 92     |
| 5) 2-Methylnaphthalene | 12.19 | 142  | 5123     | 0.15 | ng/ul  | 98     |
| 7) Acenaphthylene      | 14.08 | 152  | 1080     | 0.02 | ng/ul# | 83     |
| 8) Acenaphthene        | 14.43 | 153  | 4502     | 0.10 | ng/ul  | 98     |
| 9) Fluorene            | 15.42 | 166  | 5517     | 0.11 | ng/ul  | 91     |
| 12) Phenanthrene       | 17.14 | 178  | 25700    | 0.31 | ng/ul# | 87     |
| 13) Anthracene         | 17.22 | 178  | 5421     | 0.07 | ng/ul# | 93     |
| 15) Fluoranthene       | 19.15 | 202  | 19144    | 0.19 | ng/ul  | 84     |
| 17) Pyrene             | 19.51 | 202  | 17737    | 0.18 | ng/ul# | 89     |
| 18) Benzo(a)anthracene | 21.24 | 228  | 5504     | 0.06 | ng/ul# | 86     |
| 19) Chrysene           | 21.29 | 228  | 5088     | 0.05 | ng/ul  | 95     |

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

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ClientSampleId :

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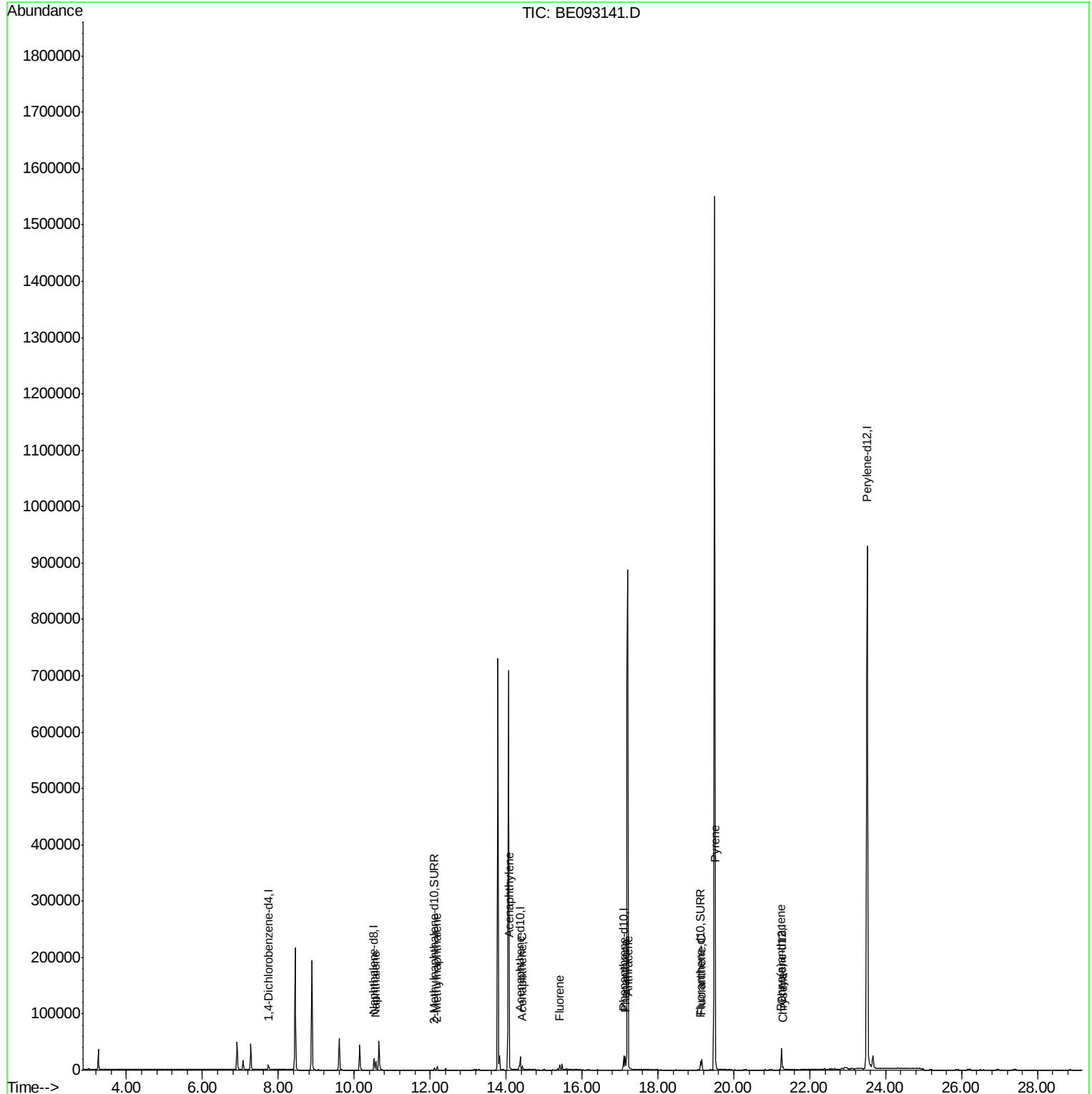
Quant Time: Jun 14 01:26:36 2017

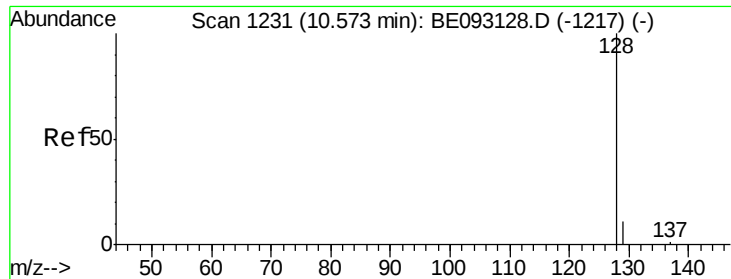
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 01:25:15 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.45 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

Instrument :

BNA\_E

ClientSampleId :

F5A56

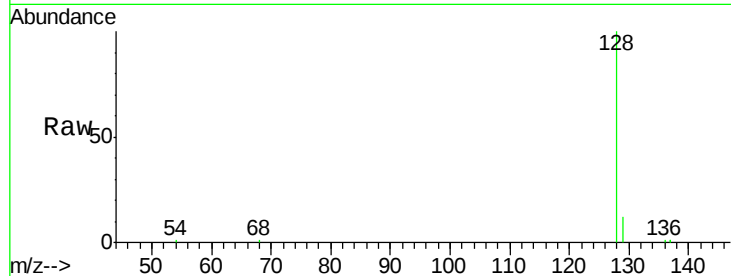
Tgt Ion:128 Resp: 23335

Ion Ratio Lower Upper

128 100

129 11.6 11.3 16.9

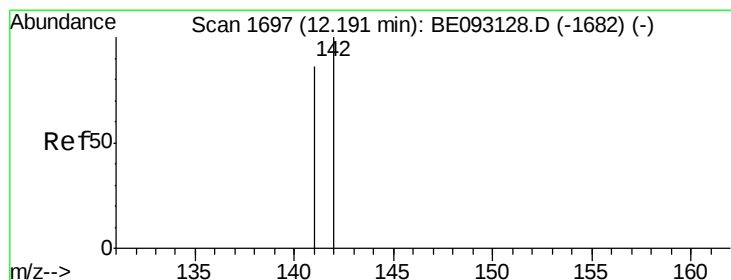
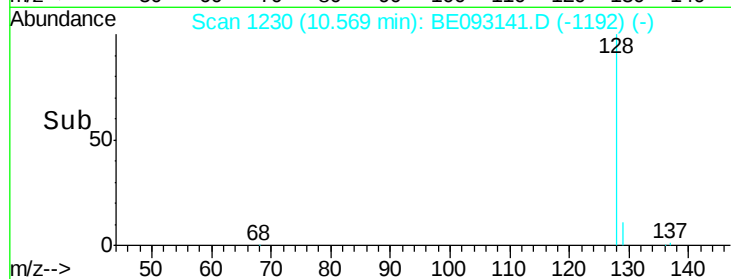
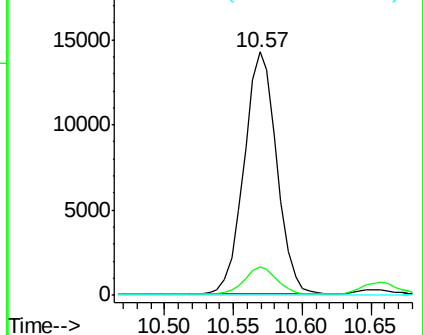
127 0.0 4.0 6.0#



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: 0.15 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093141.D

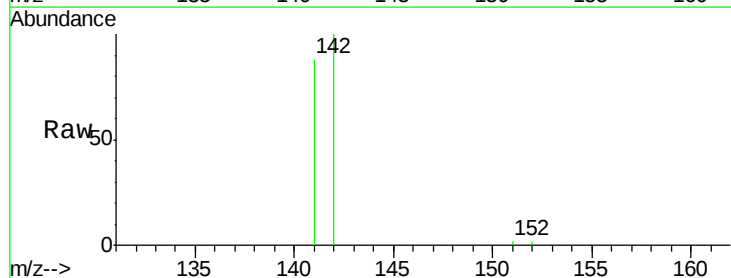
Acq: 13 Jun 2017 21:29

Tgt Ion:142 Resp: 5123

Ion Ratio Lower Upper

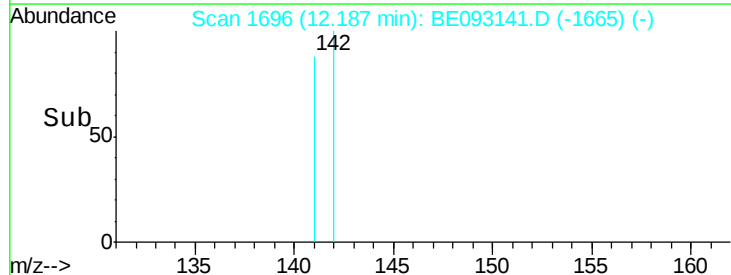
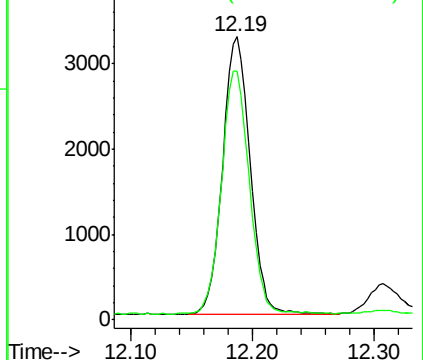
142 100

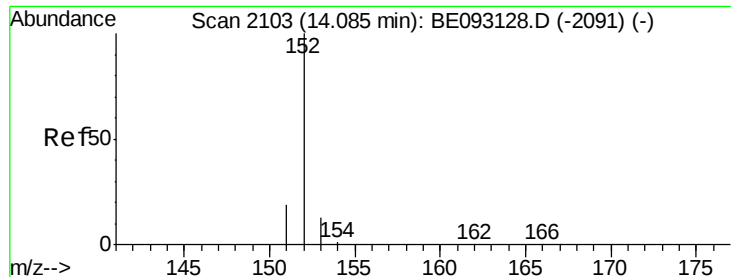
141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

Instrument :

BNA\_E

ClientSampleId :

F5A56

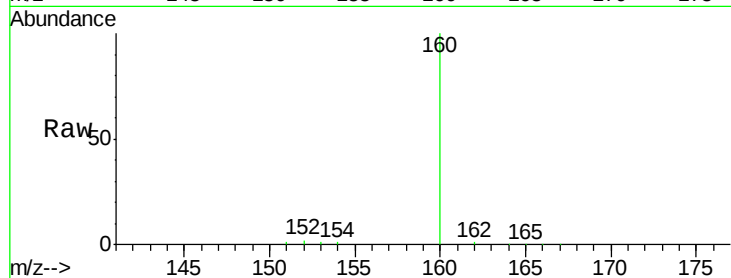
Tgt Ion:152 Resp: 1080

Ion Ratio Lower Upper

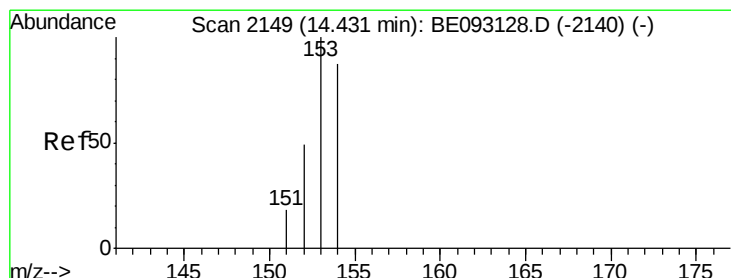
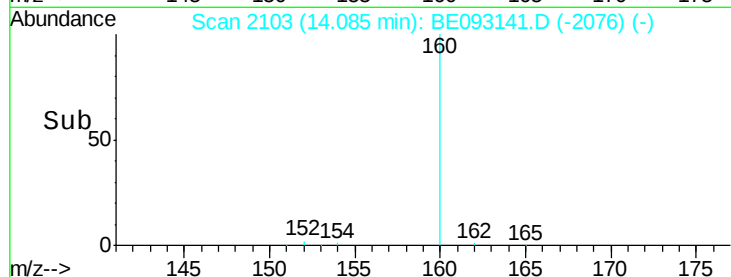
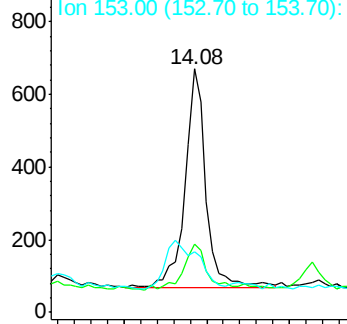
152 100

151 28.2 17.1 25.7#

153 24.9 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

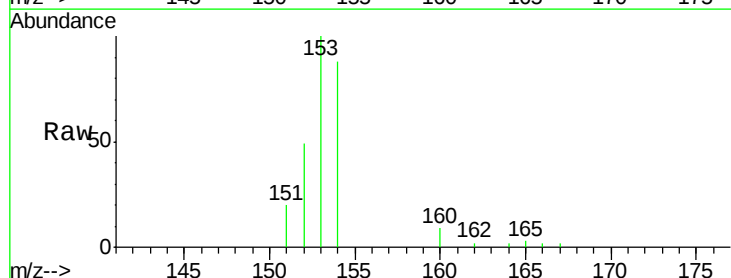
Tgt Ion:153 Resp: 4502

Ion Ratio Lower Upper

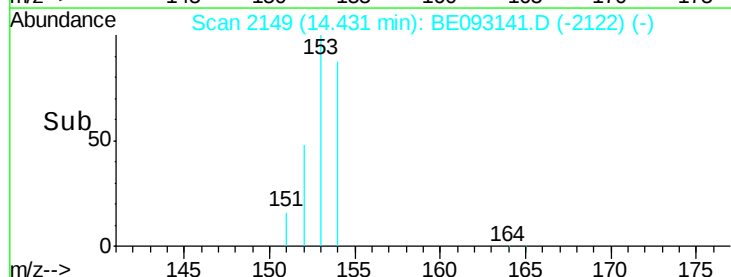
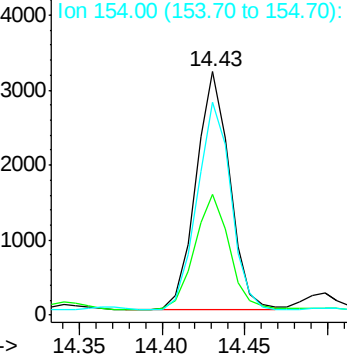
153 100

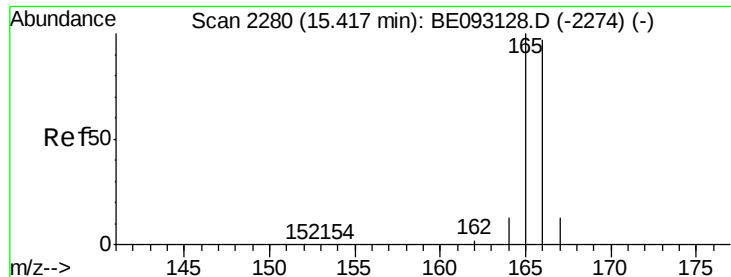
152 49.4 40.3 60.5

154 87.5 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

Instrument :

BNA\_E

ClientSampled :

F5A56

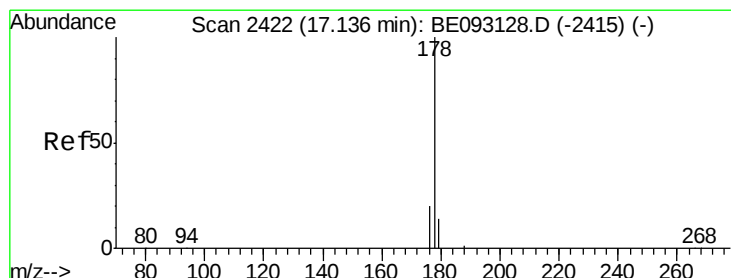
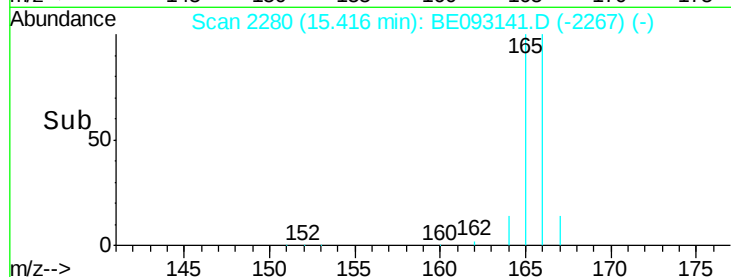
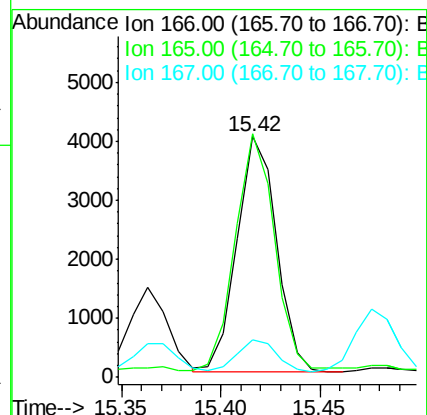
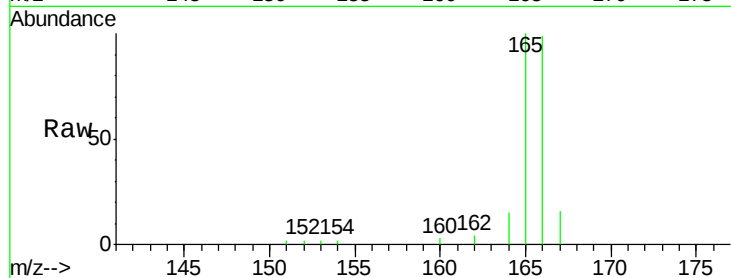
Tgt Ion:166 Resp: 5517

Ion Ratio Lower Upper

166 100

165 101.3 73.4 110.2

167 15.8 14.6 22.0



#12

Phenanthrene

Concen: 0.31 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

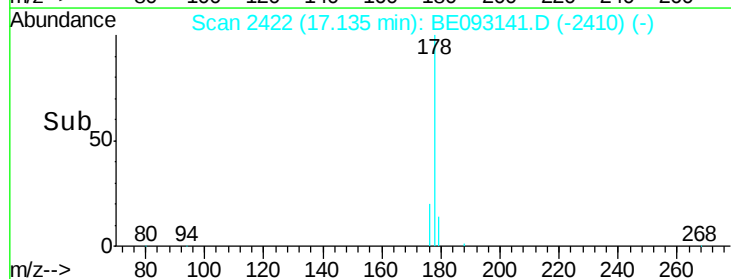
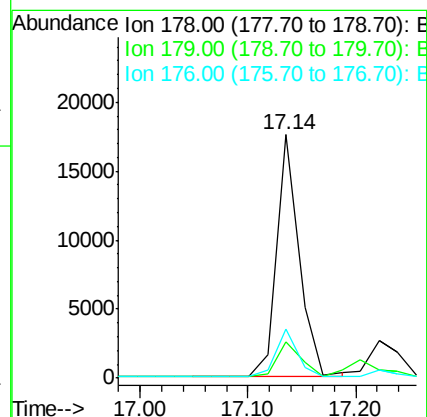
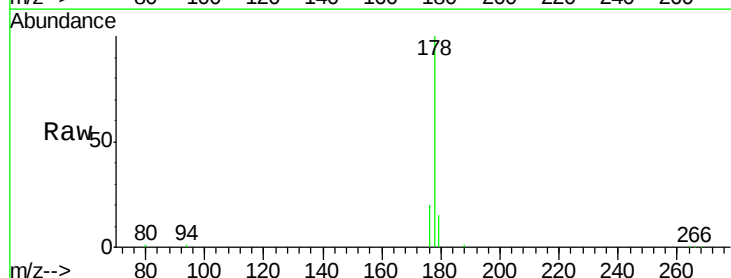
Tgt Ion:178 Resp: 25700

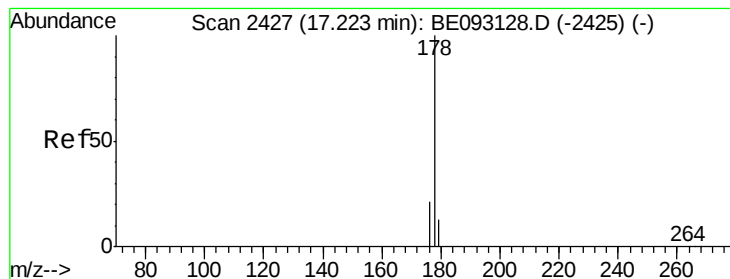
Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

176 20.3 13.6 20.4





#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

Instrument :

BNA\_E

ClientSampleId :

F5A56

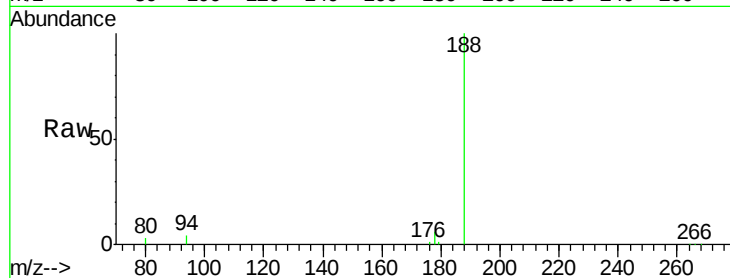
Tgt Ion:178 Resp: 5421

Ion Ratio Lower Upper

178 100

179 20.3 18.1 27.1

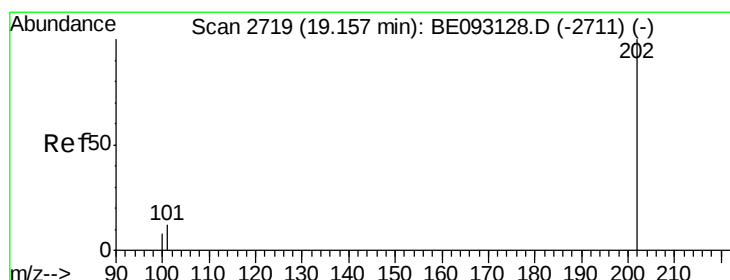
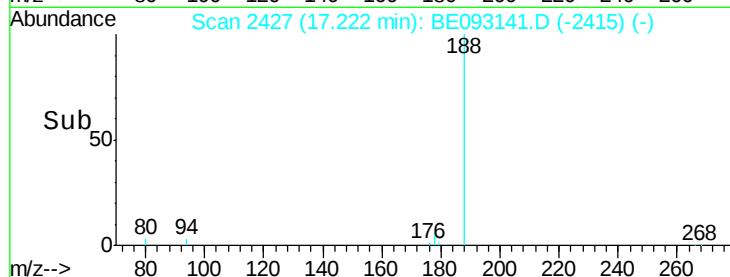
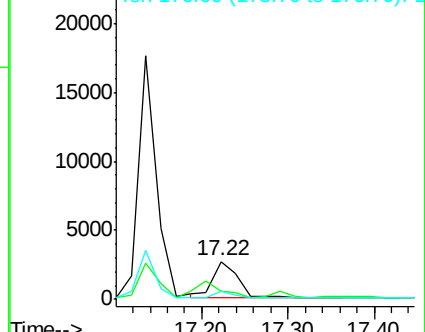
176 23.0 14.7 22.1#



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: 0.19 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

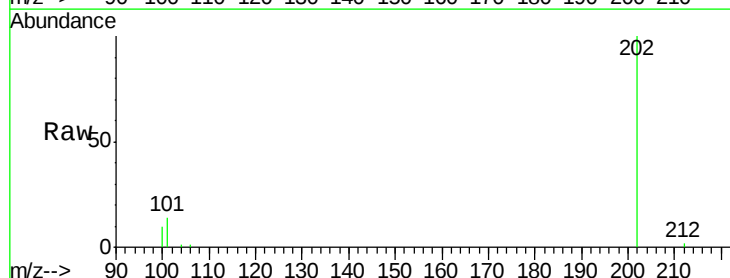
Tgt Ion:202 Resp: 19144

Ion Ratio Lower Upper

202 100

101 13.9 0.0 30.3

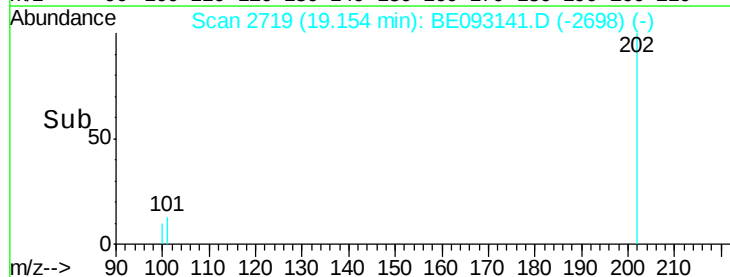
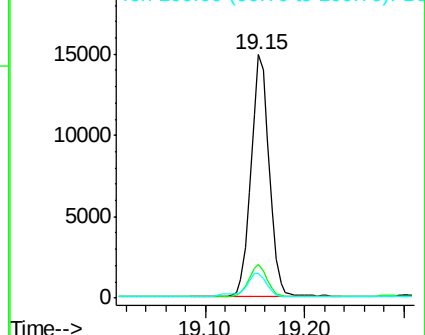
100 10.4 0.0 39.5

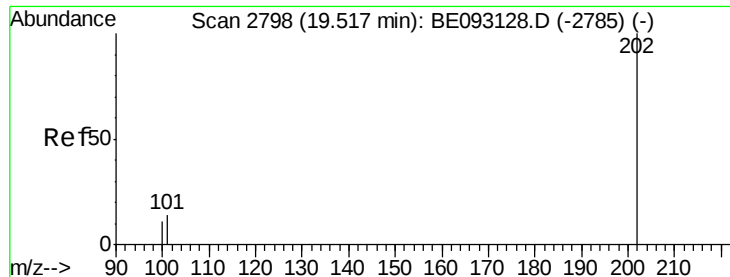


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.18 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

Instrument :

BNA\_E

ClientSampleId :

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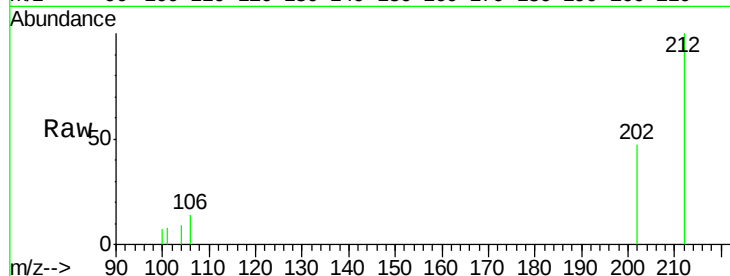
Tgt Ion:202 Resp: 17737

Ion Ratio Lower Upper

202 100

101 16.7 18.2 27.4#

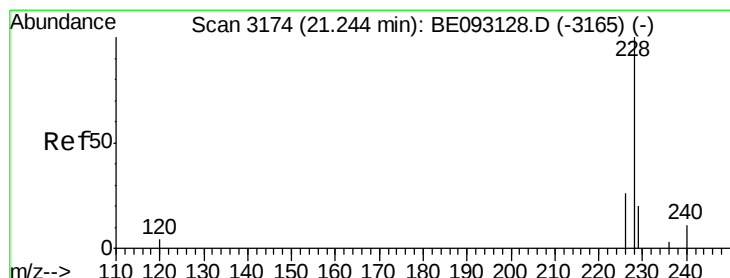
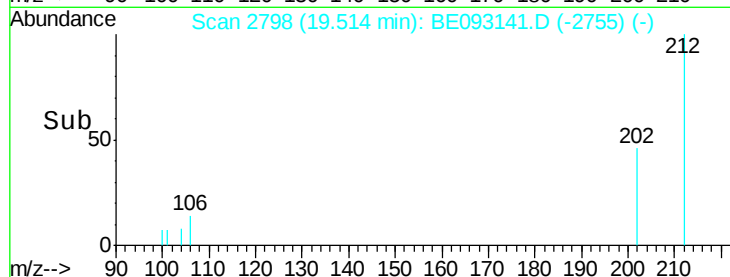
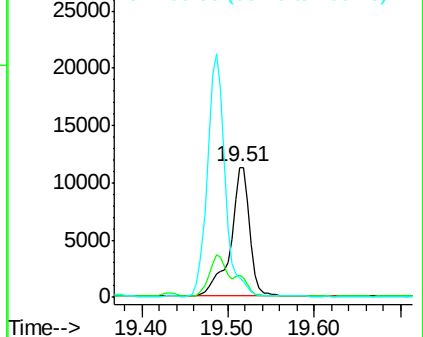
100 15.1 15.6 23.4#



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: 0.06 ng/ul

RT: 21.24 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BE093141.D

Acq: 13 Jun 2017 21:29

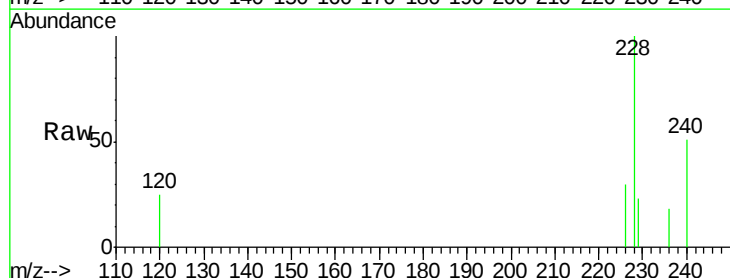
Tgt Ion:228 Resp: 5504

Ion Ratio Lower Upper

228 100

229 22.5 22.8 34.2#

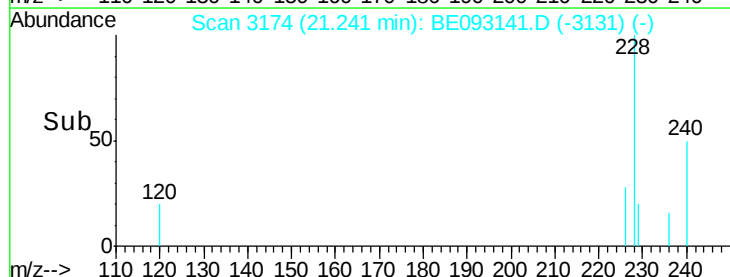
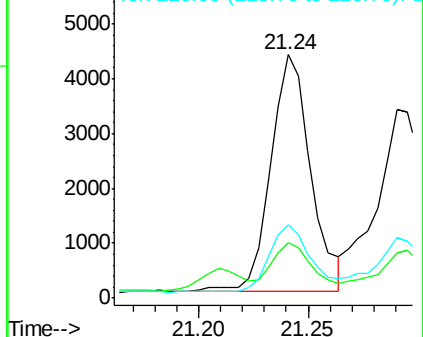
226 30.0 17.0 25.6#

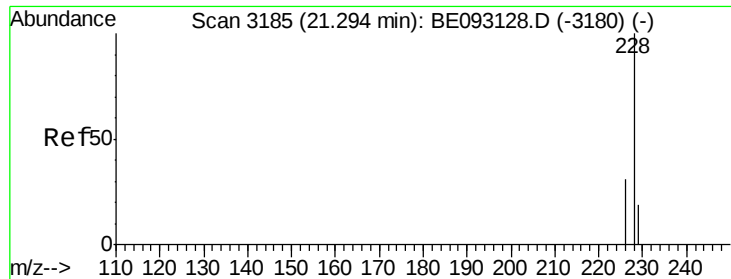


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.05 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093141.D

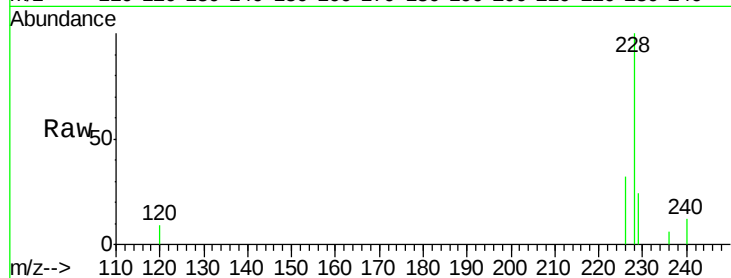
Acq: 13 Jun 2017 21:29

Instrument :

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ClientSampleId :

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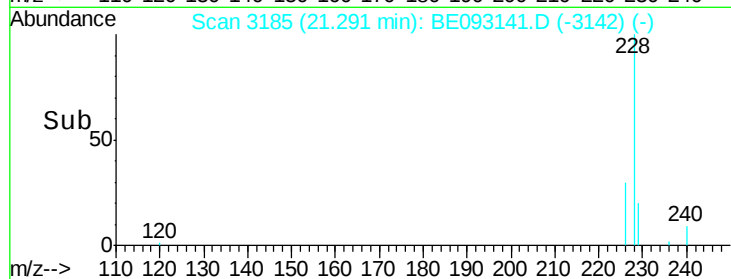
Tgt Ion: 228 Resp: 5088

Ion Ratio Lower Upper

228 100

226 32.1 23.4 35.0

229 23.8 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

