

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061917\  
 Data File : BE093251.D  
 Acq On : 19 Jun 2017 15:28  
 Operator : SJ/MA  
 Sample : I3599-20  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F5D38

Manual Integrations  
 APPROVED

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 6/20/2017 3:12:20 PM

Quant Time: Jun 20 08:09:34 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 04:17:17 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 2395     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.52 | 136  | 12361    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.37 | 164  | 7744     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.10 | 188  | 18629    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 19009    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.66 | 264  | 15479m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 4512     | 0.25   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.12 | 212  | 13858    | 0.27   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 3) Naphthalene              | 10.57 | 128  | 1101     | 0.036  | ng/ul# | 87       |
| 5) 2-Methylnaphthalene      | 12.18 | 142  | 368      | 0.018  | ng/ul  | 99       |
| 8) Acenaphthene             | 14.43 | 153  | 629      | 0.023  | ng/ul  | 98       |
| 9) Fluorene                 | 15.42 | 166  | 857      | 0.027  | ng/ul  | 91       |
| 12) Phenanthrene            | 17.14 | 178  | 3724     | 0.073  | ng/ul# | 90       |
| 15) Fluoranthene            | 19.15 | 202  | 2825     | 0.045  | ng/ul  | 84       |
| 17) Pyrene                  | 19.51 | 202  | 2353     | 0.042  | ng/ul# | 95       |

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

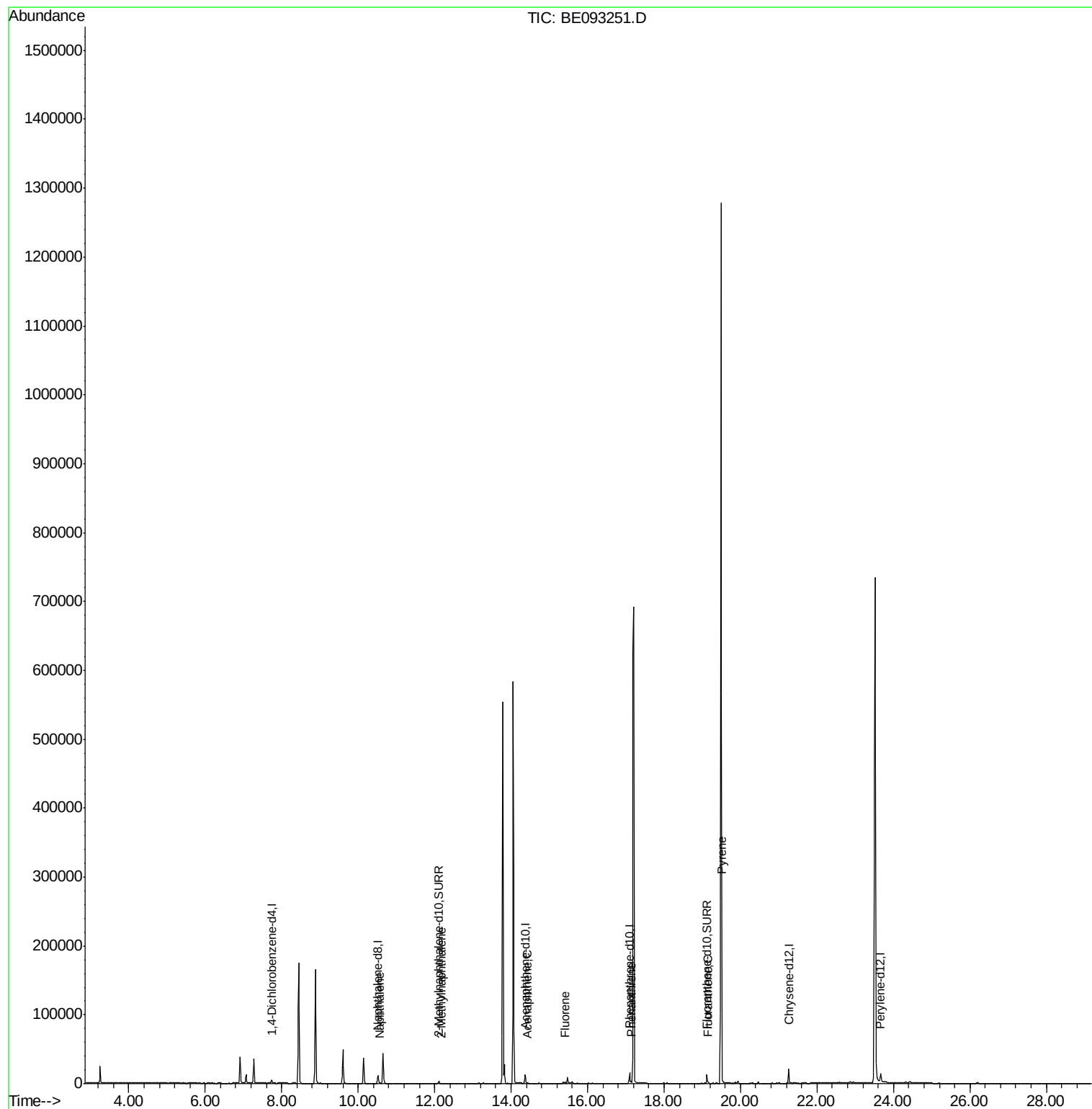
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061917\  
Data File : BE093251.D  
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Sample : I3599-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

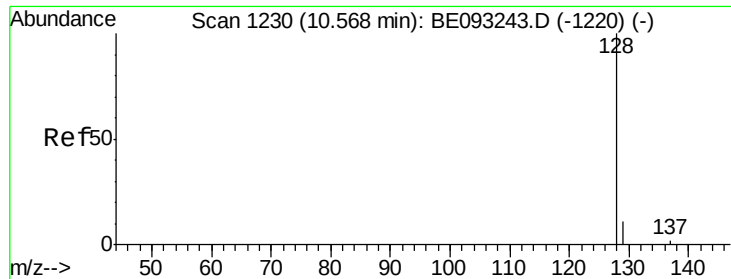
Instrument :  
BNA\_E  
ClientSampleId :  
F5D38

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QLast Update : Tue Jun 20 04:17:17 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093251.D

Acq: 19 Jun 2017 15:28

Instrument :

BNA\_E

ClientSampleId :

F5D38

Tgt Ion:128 Resp: 1101

Ion Ratio Lower Upper

128 100

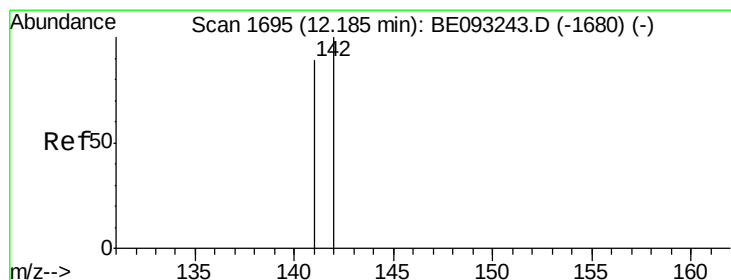
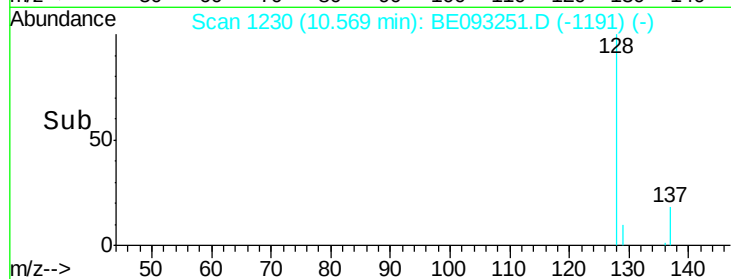
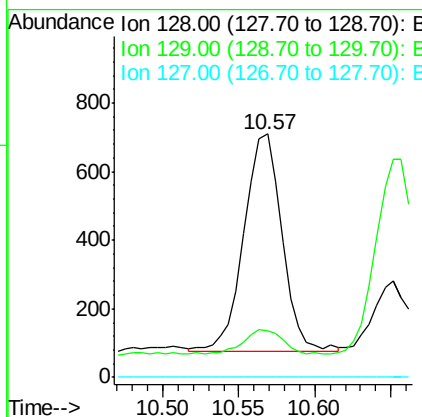
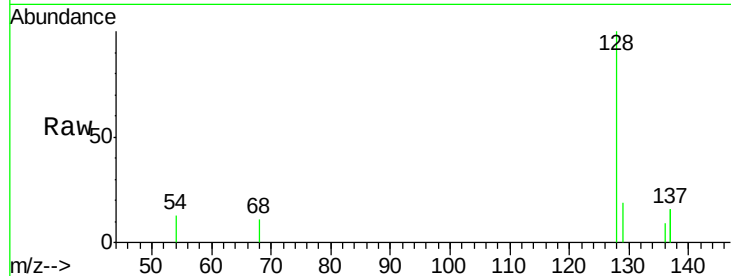
129 19.3 11.3 16.9#

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 0.018 ng/ul

RT: 12.18 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BE093251.D

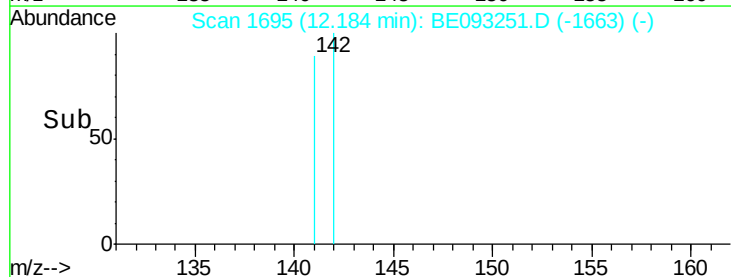
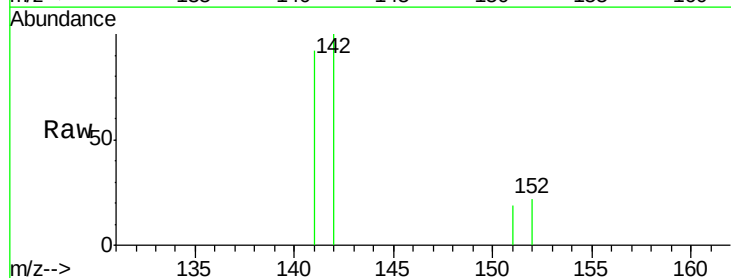
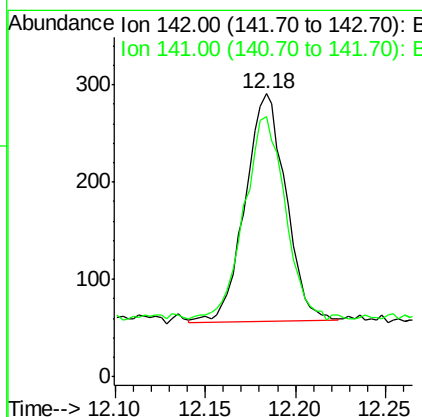
Acq: 19 Jun 2017 15:28

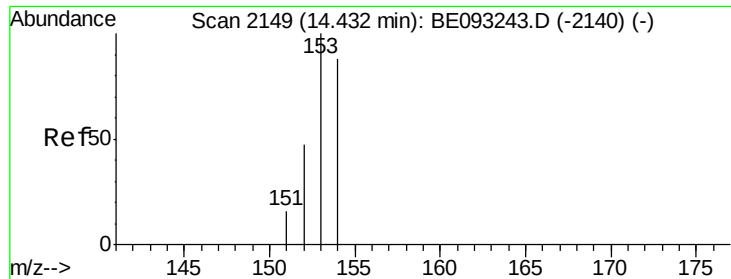
Tgt Ion:142 Resp: 368

Ion Ratio Lower Upper

142 100

141 90.2 72.6 108.8





#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.43 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BE093251.D

Acq: 19 Jun 2017 15:28

Instrument :

BNA\_E

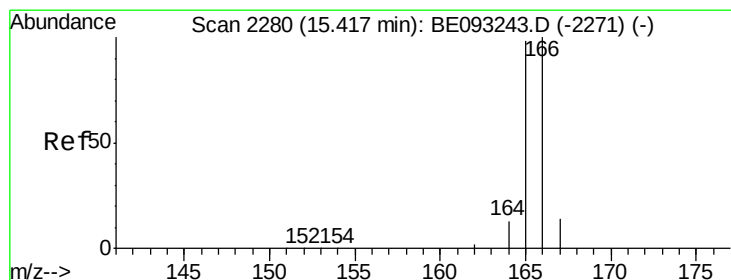
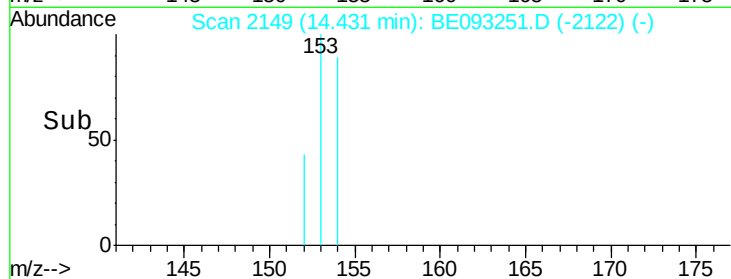
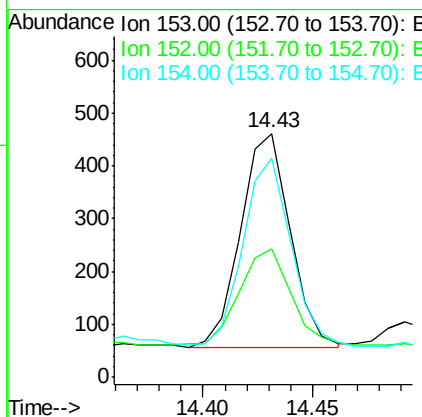
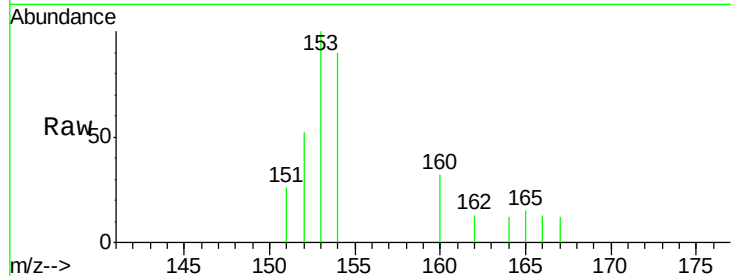
ClientSampleId :

F5D38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 629   |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 52.5  | 40.3  | 60.5  |
| 154      | 90.0  | 71.4  | 107.2 |

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#9

Fluorene

Concen: 0.027 ng/ul

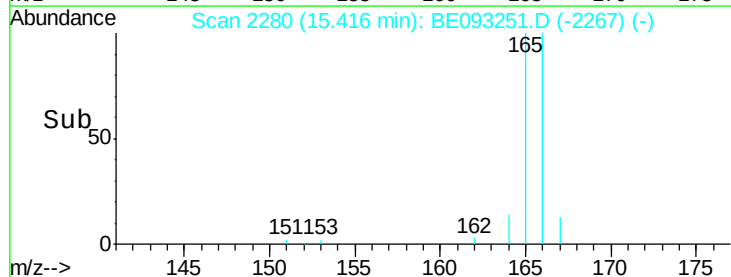
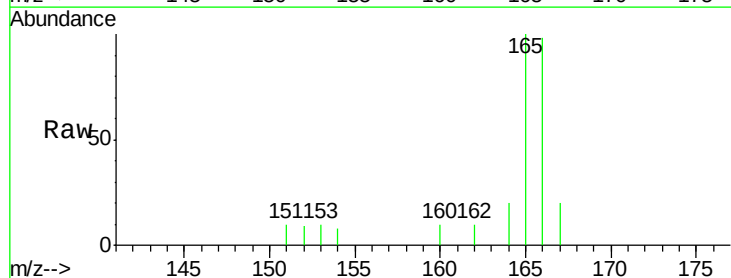
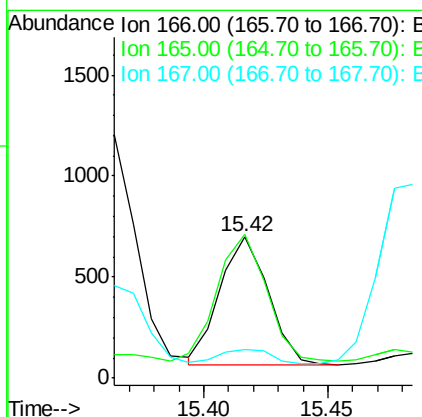
RT: 15.42 min Scan# 2280

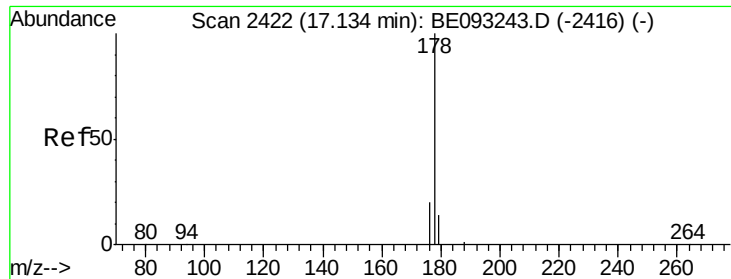
Delta R.T. -0.00 min

Lab File: BE093251.D

Acq: 19 Jun 2017 15:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 857   |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 101.7 | 73.4  | 110.2 |
| 167      | 20.4  | 14.6  | 22.0  |





#12

Phenanthrene

Concen: 0.073 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BE093251.D

Acq: 19 Jun 2017 15:28

Instrument :

BNA\_E

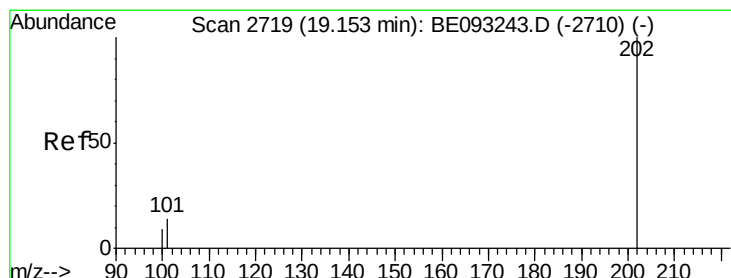
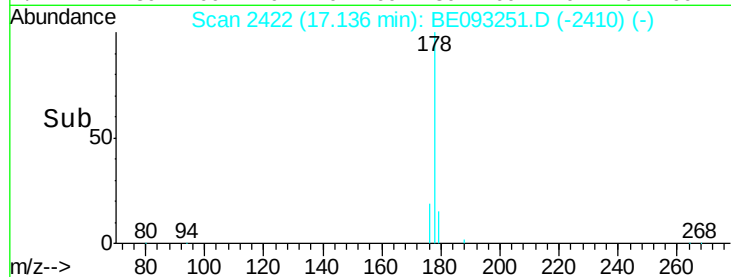
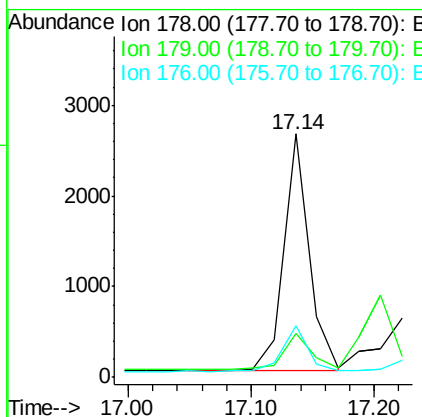
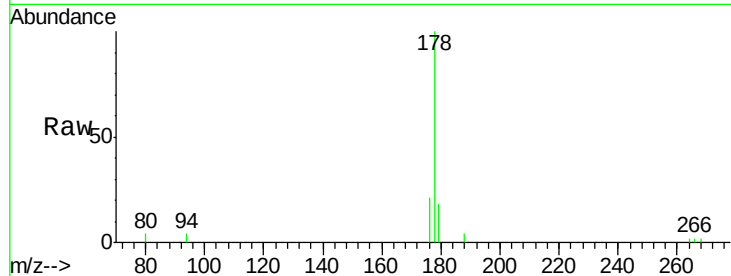
ClientSampleId :

F5D38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 3724  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 18.0  | 18.4  | 27.6# |
| 176       | 21.0  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.045 ng/ul

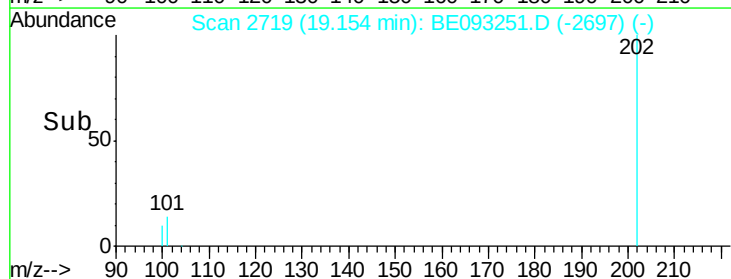
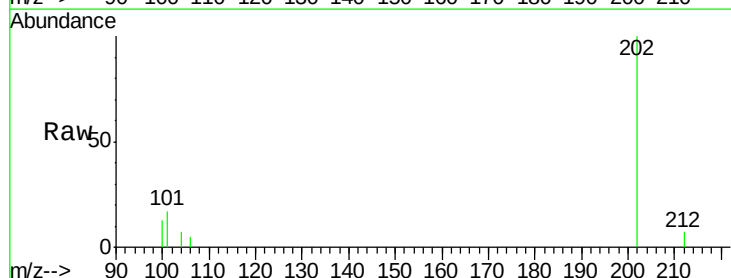
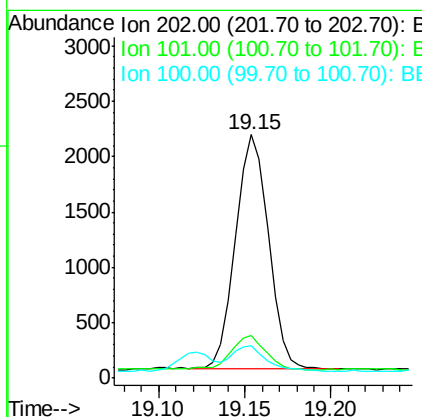
RT: 19.15 min Scan# 2719

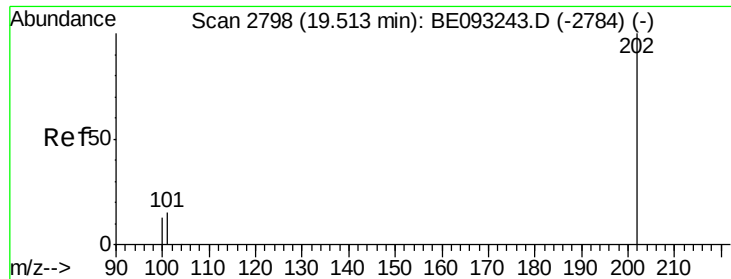
Delta R.T. 0.00 min

Lab File: BE093251.D

Acq: 19 Jun 2017 15:28

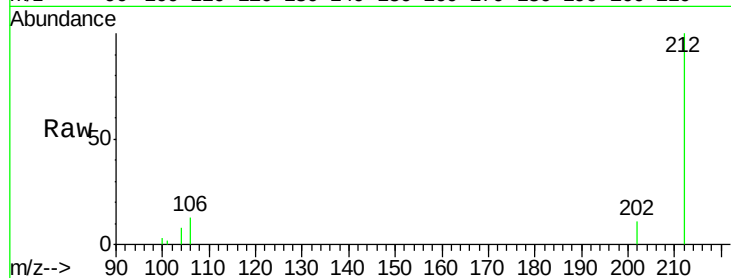
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 2825 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 17.4  | 0.0   | 30.3 |
| 100       | 13.1  | 0.0   | 39.5 |





#17  
 Pyrene  
 Concen: 0.042 ng/ul  
 RT: 19.51 min Scan# 2798  
 Delta R.T. 0.00 min  
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Instrument :  
 BNA\_E  
 ClientSampleId :  
 F5D38



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 2353 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 22.6  | 18.2  | 27.4 |
| 100       | 23.8  | 15.6  | 23.4 |

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