

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061417\  
 Data File : BE093194.D  
 Acq On : 15 Jun 2017 6:12  
 Operator : SJ/MA  
 Sample : I3520-05  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F5A37

Manual Integrations  
 APPROVED

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 6/15/2017 3:54:14 PM

Quant Time: Jun 15 08:47:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 15 07:58:47 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 2978     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.52 | 136  | 15613    | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.37 | 164  | 10000    | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.10 | 188  | 22671    | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 22567    | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.67 | 264  | 18999m   | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 5067     | 0.22  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 13615    | 0.22  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.57 | 128  | 520      | 0.013 | ng/ul# | 68       |
| 7) Acenaphthylene           | 14.09 | 152  | 1003     | 0.023 | ng/ul# | 76       |
| 12) Phenanthrene            | 17.14 | 178  | 4480     | 0.072 | ng/ul# | 89       |
| 15) Fluoranthene            | 19.16 | 202  | 10708    | 0.140 | ng/ul  | 83       |
| 17) Pyrene                  | 19.52 | 202  | 12135    | 0.182 | ng/ul# | 87       |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 4562     | 0.076 | ng/ul# | 87       |
| 19) Chrysene                | 21.29 | 228  | 6342     | 0.102 | ng/ul  | 90       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.18 | 276  | 4047m    | 0.064 | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.96 | 276  | 3762     | 0.069 | ng/ul# | 73       |

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

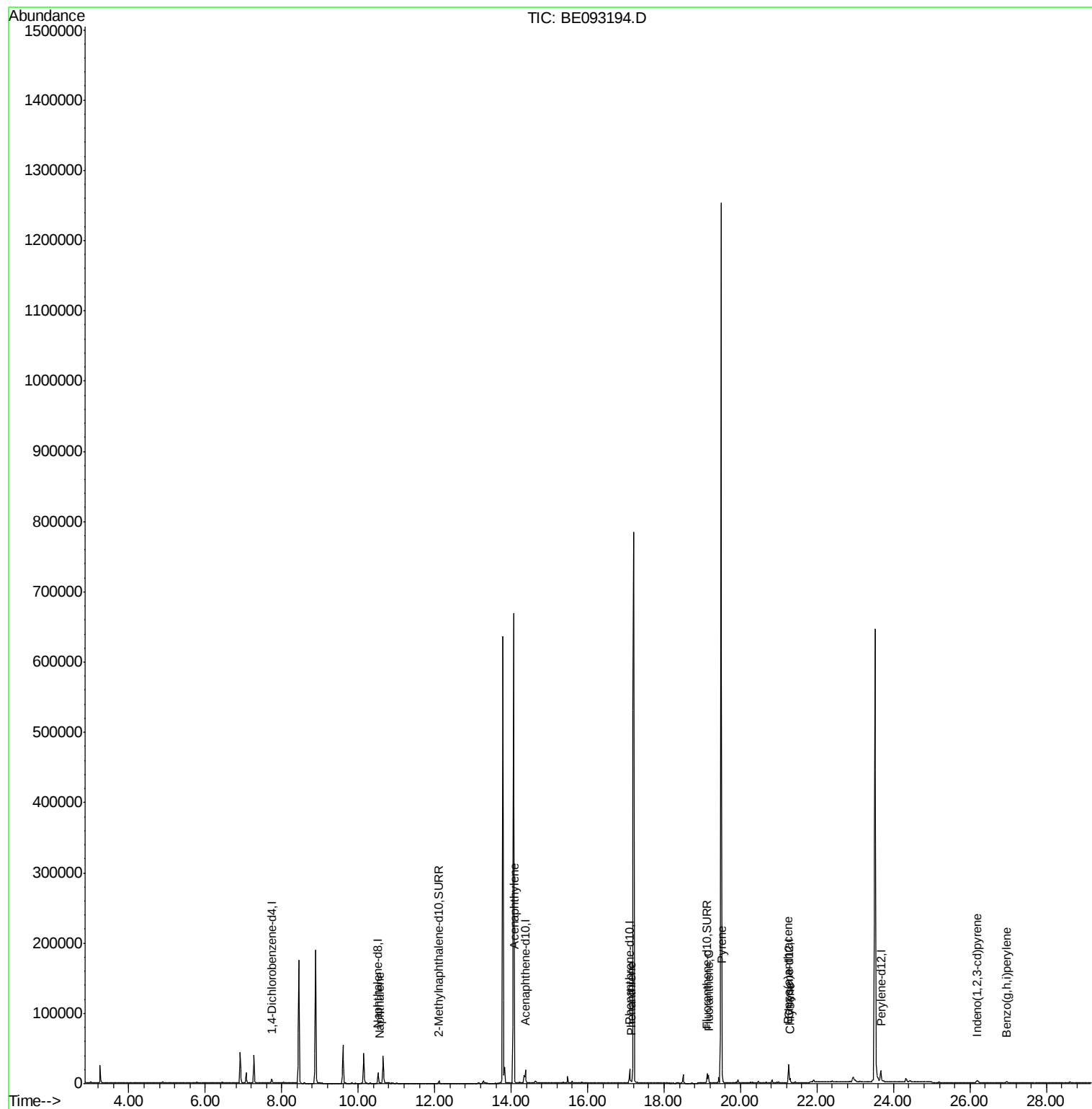
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061417\  
Data File : BE093194.D  
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Operator : SJ/MA  
Sample : I3520-05  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

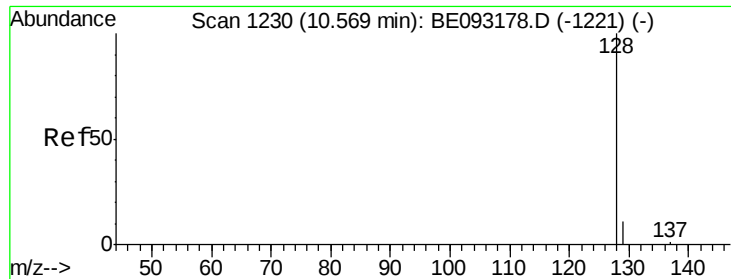
Instrument :  
BNA\_E  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
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QLast Update : Thu Jun 15 07:58:47 2017  
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#3

Naphthalene

Concen: 0.013 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

Instrument :

BNA\_E

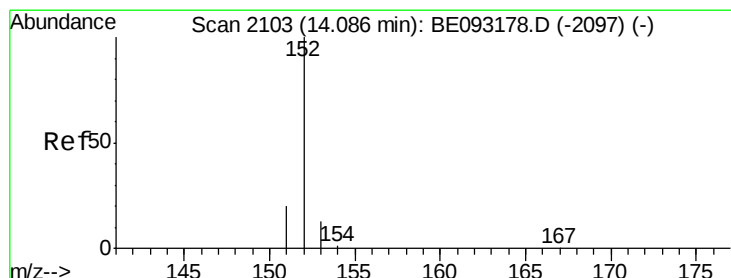
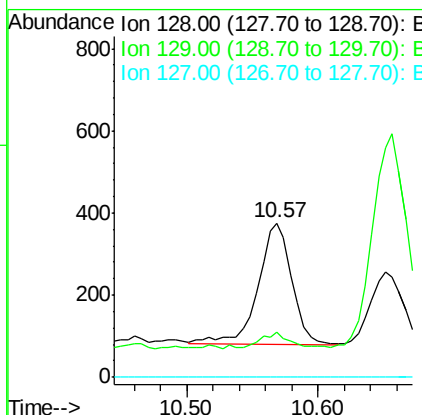
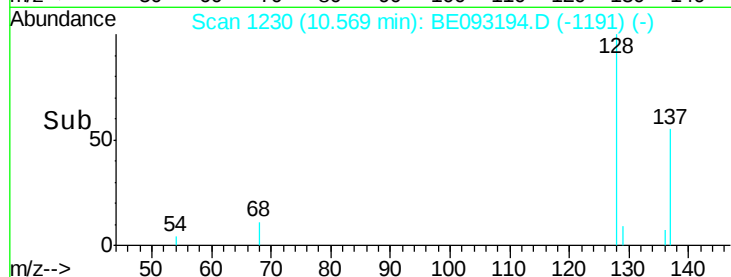
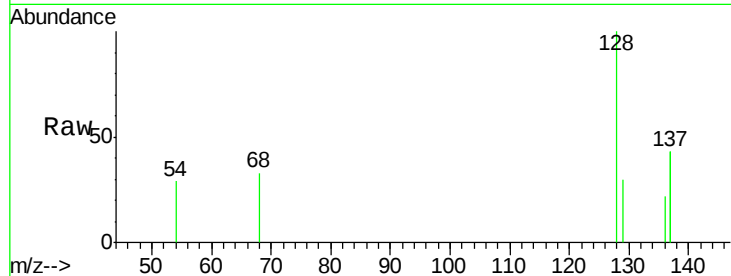
ClientSampleId :

F5A37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 520   |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 29.6  | 11.3  | 16.9# |
| 127       | 0.0   | 4.0   | 6.0#  |

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#7

Acenaphthylene

Concen: 0.023 ng/ul

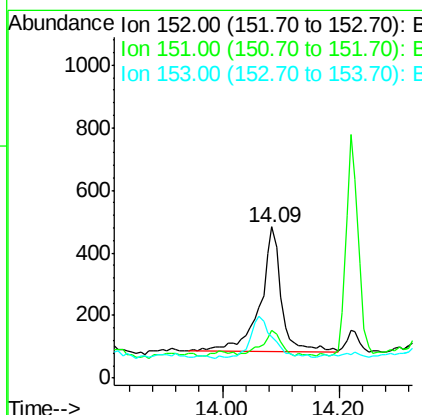
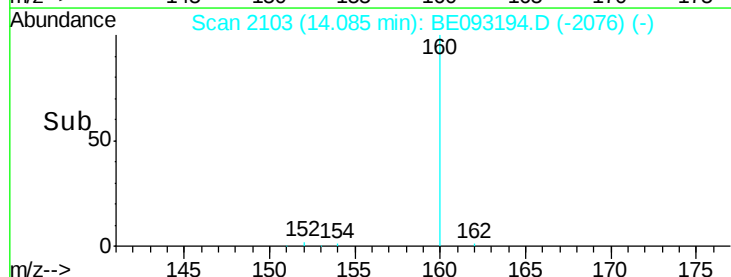
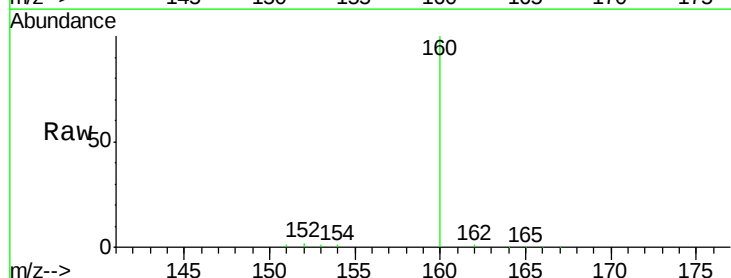
RT: 14.09 min Scan# 2103

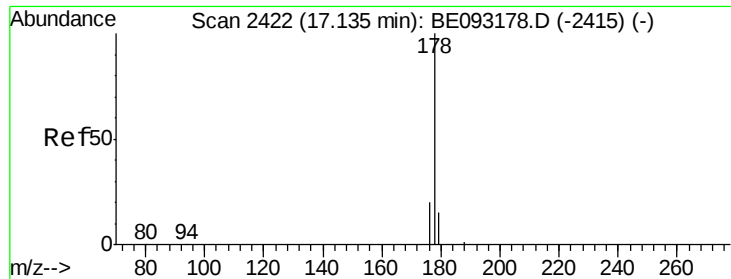
Delta R.T. 0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 1003  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 31.7  | 17.1  | 25.7# |
| 153       | 27.3  | 12.8  | 19.2# |





#12

Phenanthrene

Concen: 0.072 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

Instrument :

BNA\_E

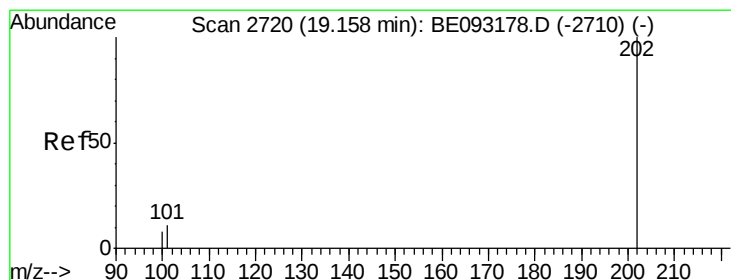
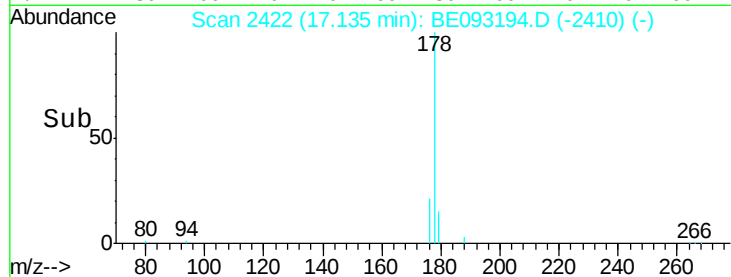
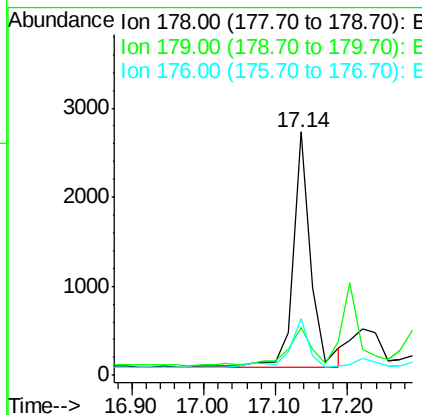
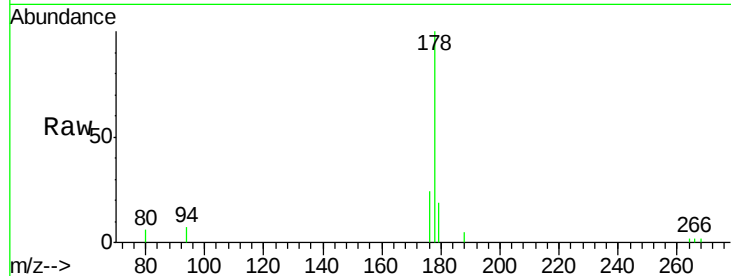
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 4480  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 19.4  | 18.4  | 27.6  |
| 176       | 23.6  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.140 ng/ul

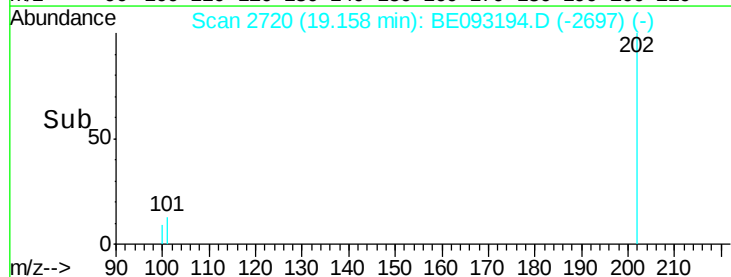
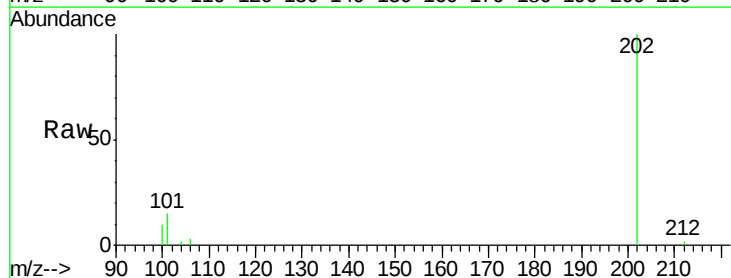
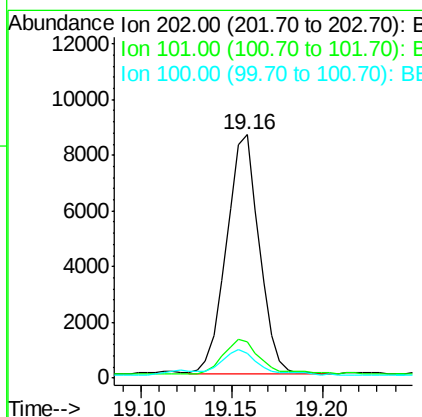
RT: 19.16 min Scan# 2720

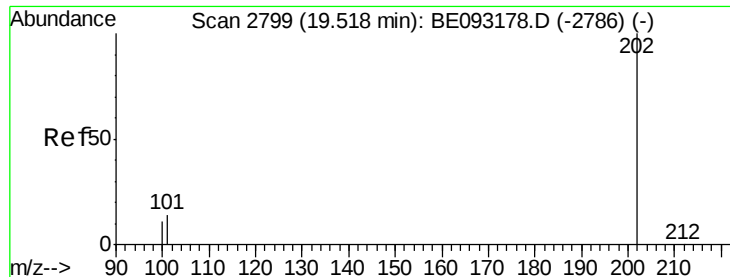
Delta R.T. 0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 10708 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.8  | 0.0   | 30.3  |
| 100       | 10.3  | 0.0   | 39.5  |





#17

Pyrene

Concen: 0.182 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

Instrument :

BNA\_E

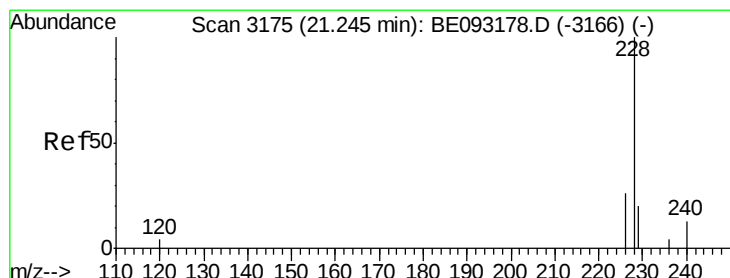
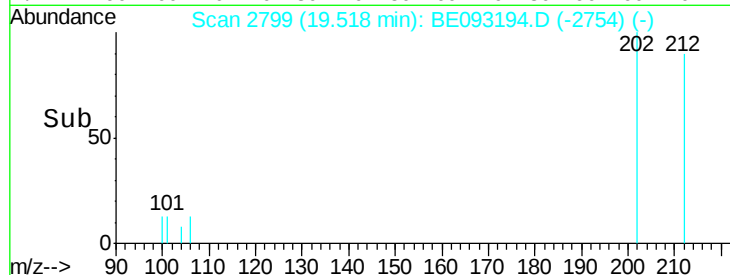
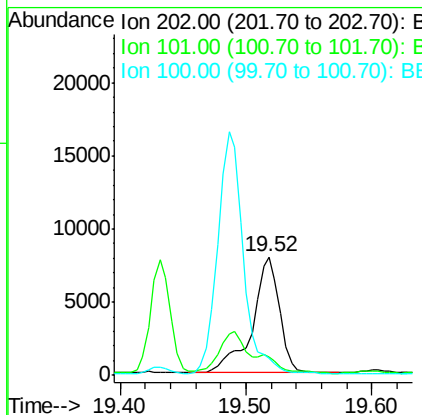
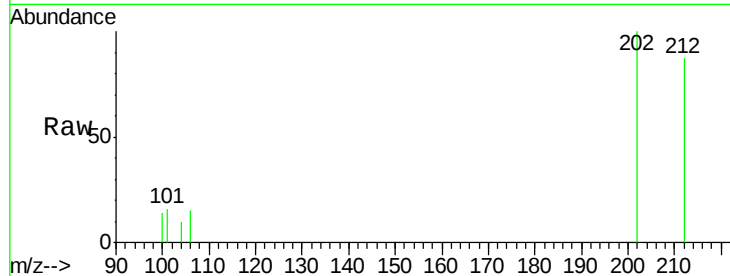
ClientSampleId :

F5A37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 12135 |       |       |
| 101     | 15.8  | 18.2  | 27.4# |       |
| 100     | 14.0  | 15.6  | 23.4# |       |

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#18

Benzo(a)anthracene

Concen: 0.076 ng/ul

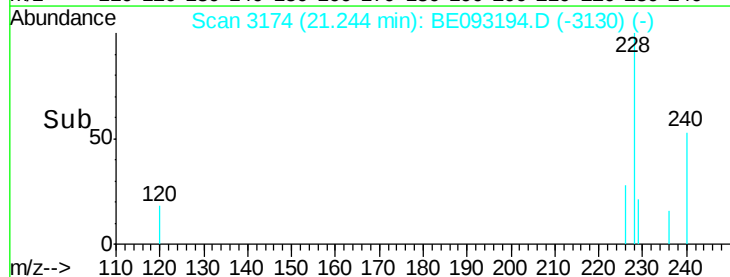
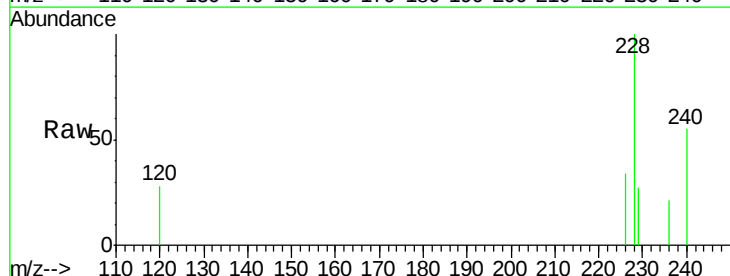
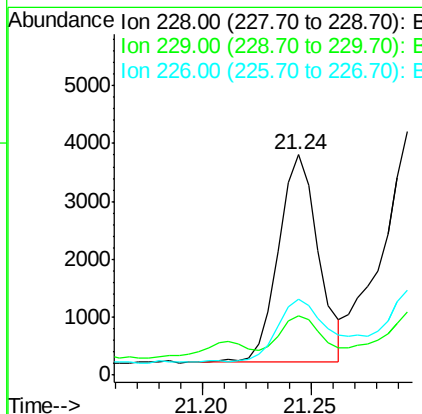
RT: 21.24 min Scan# 3174

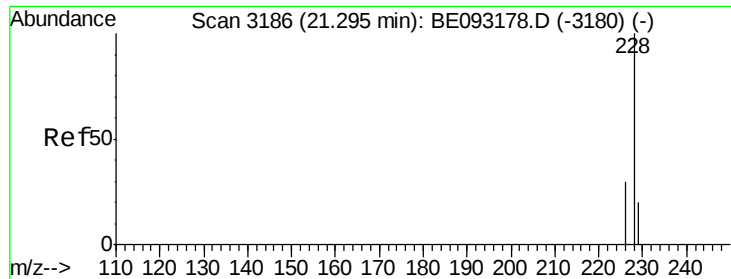
Delta R.T. 0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   | 4562 |       |       |
| 229     | 27.0  | 22.8 | 34.2  |       |
| 226     | 34.4  | 17.0 | 25.6# |       |





#19

Chrysene

Concen: 0.102 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

Instrument :

BNA\_E

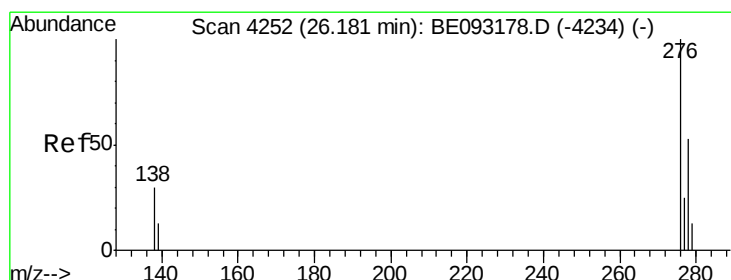
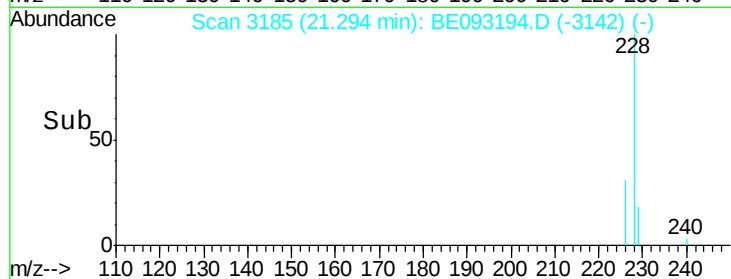
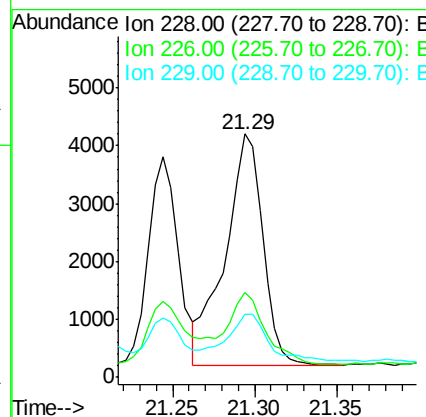
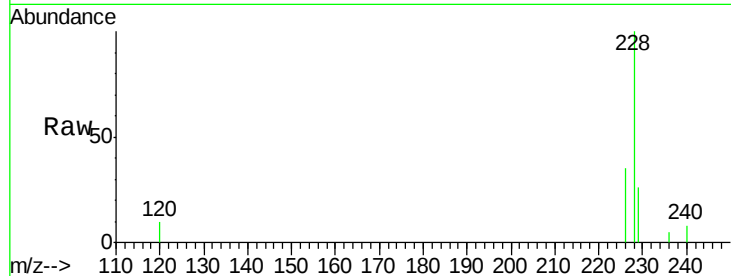
ClientSampleId :

F5A37

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 6342 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 35.0  | 23.4  | 35.0 |
| 229       | 25.9  | 17.7  | 26.5 |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng/ul m

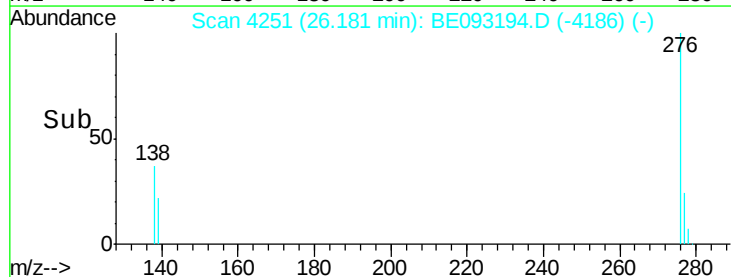
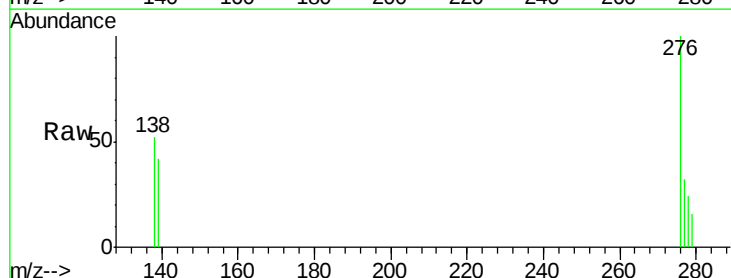
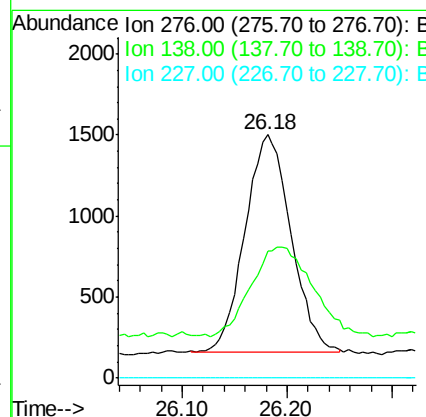
RT: 26.18 min Scan# 4251

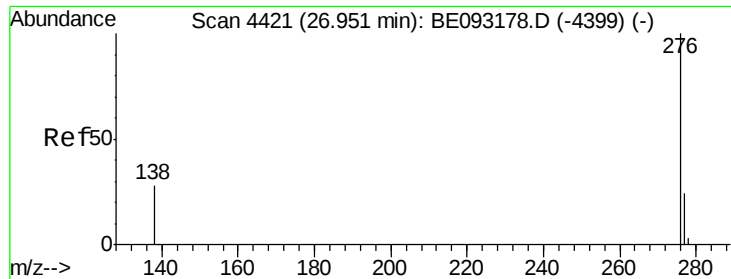
Delta R.T. -0.00 min

Lab File: BE093194.D

Acq: 15 Jun 2017 6:12

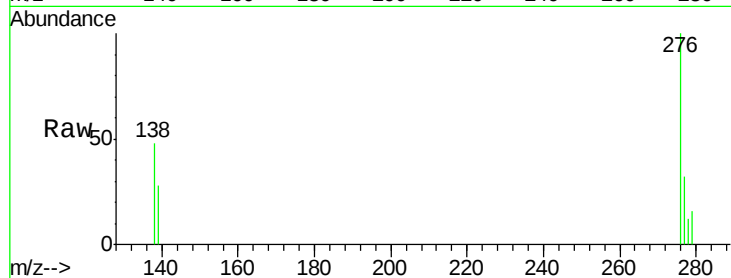
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 4047  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 5.6   | 28.0  | 42.0# |
| 227       | 0.0   | 8.0   | 12.0# |





#26  
 Benzo(g,h,i)perylene  
 Concen: 0.069 ng/ul  
 RT: 26.96 min Scan# 4421  
 Delta R.T. 0.00 min  
 Lab File: BE093194.D  
 Acq: 15 Jun 2017 6:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F5A37



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 47.9  | 21.8  | 32.8# |
| 277     | 32.3  | 20.5  | 30.7# |

Manual Integrations  
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