

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102617\  
 Data File : BE094569.D  
 Acq On : 26 Oct 2017 19:15  
 Operator : SJ/JU  
 Sample : I5719-16 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-26(0.5-1.5)-100517

Manual Integrations  
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Sohil  
 10/27/2017 5:35:34 PM

Quant Time: Oct 27 08:45:33 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE102517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 27 04:05:19 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.90  | 152  | 1014     | 0.40  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.69 | 136  | 5672     | 0.40  | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.51 | 164  | 3436     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 7876     | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.42 | 240  | 8203     | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.96 | 264  | 8172     | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 433      | 0.05  | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.28 | 212  | 1229     | 0.05  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Qvalue |          |
| 3) Naphthalene              | 10.74 | 128  | 2699     | 0.195 | ng/ul# | 94       |
| 5) 2-Methylnaphthalene      | 12.35 | 142  | 1712     | 0.176 | ng/ul  | 97       |
| 9) Fluorene                 | 15.58 | 166  | 376      | 0.030 | ng/ul# | 1        |
| 12) Phenanthrene            | 17.29 | 178  | 14078    | 0.677 | ng/ul# | 91       |
| 13) Anthracene              | 17.38 | 178  | 796      | 0.039 | ng/ul# | 71       |
| 15) Fluoranthene            | 19.31 | 202  | 8782     | 0.365 | ng/ul  | 83       |
| 17) Pyrene                  | 19.67 | 202  | 9774     | 0.385 | ng/ul# | 85       |
| 18) Benzo(a)anthracene      | 21.40 | 228  | 3655     | 0.156 | ng/ul# | 62       |
| 19) Chrysene                | 21.46 | 228  | 11696    | 0.483 | ng/ul# | 87       |
| 21) Benzo(b)fluoranthene    | 23.18 | 252  | 6823m    | 0.297 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.21 | 252  | 1834m    | 0.074 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.85 | 252  | 3130     | 0.136 | ng/ul# | 1        |
| 24) Indeno(1,2,3-cd)pyrene  | 26.65 | 276  | 2573     | 0.108 | ng/ul# | 85       |
| 25) Dibenzo(a,h)anthracene  | 26.64 | 278  | 1221     | 0.061 | ng/ul# | 1        |
| 26) Benzo(g,h,i)perylene    | 27.50 | 276  | 3172     | 0.166 | ng/ul# | 1        |

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

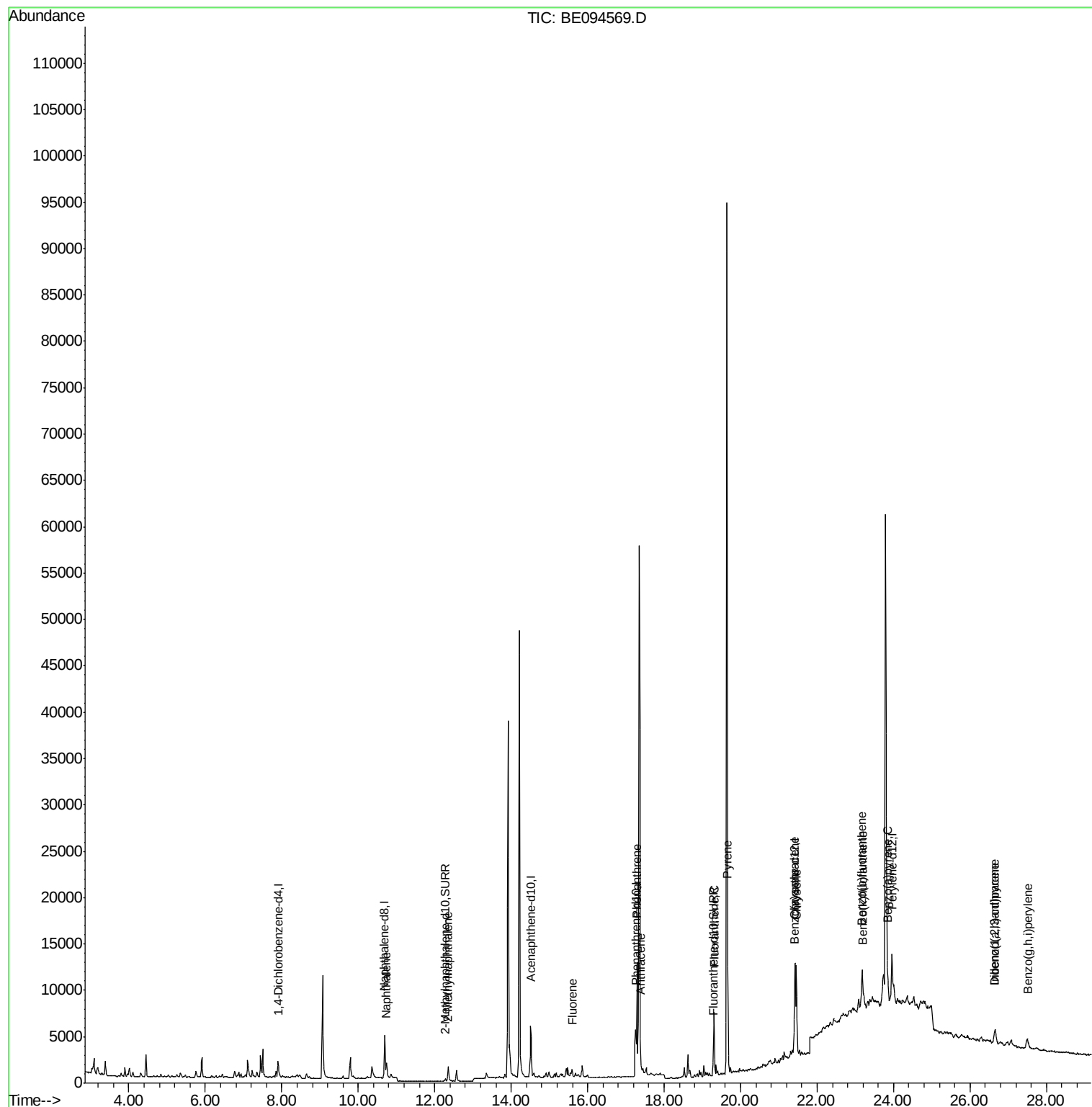
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102617\  
Data File : BE094569.D  
Acq On : 26 Oct 2017 19:15  
Operator : SJ/JU  
Sample : I5719-16 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

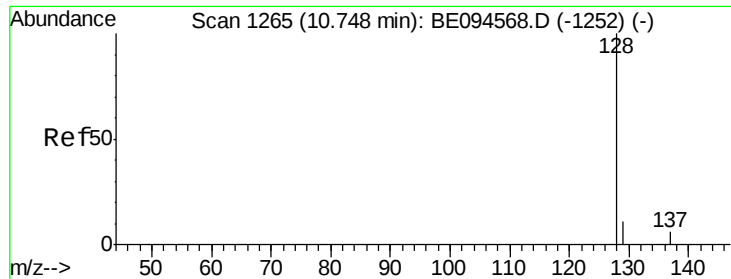
Instrument :  
BNA\_E  
ClientSampleId :  
B-26(0.5-1.5)-100517

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Quant Time: Oct 27 08:45:33 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 27 04:05:19 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.195 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

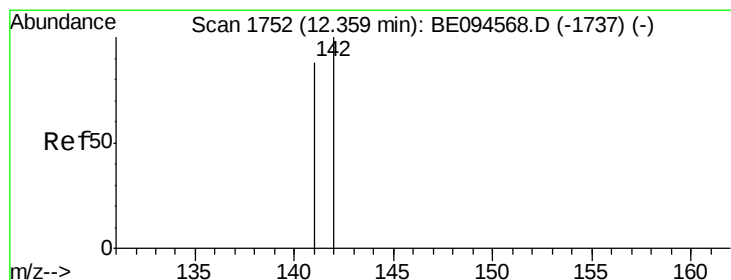
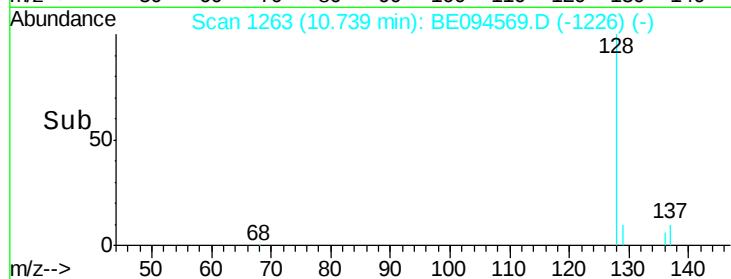
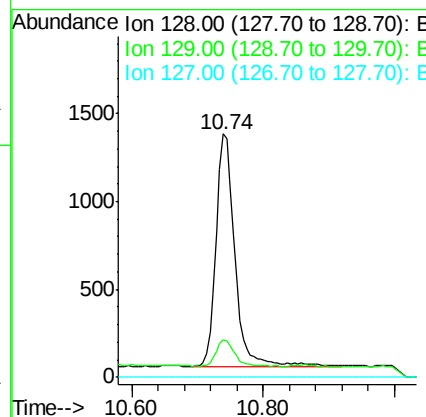
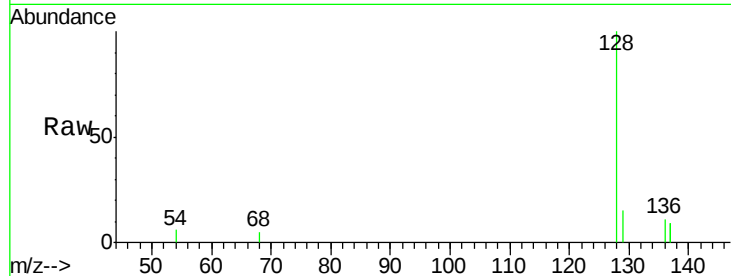
ClientSampleId :

B-26(0.5-1.5)-100517

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 2699 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 15.2  | 11.3  | 16.9 |
| 127       | 0.0   | 4.0   | 6.0# |

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#5

2-Methylnaphthalene

Concen: 0.176 ng/ul

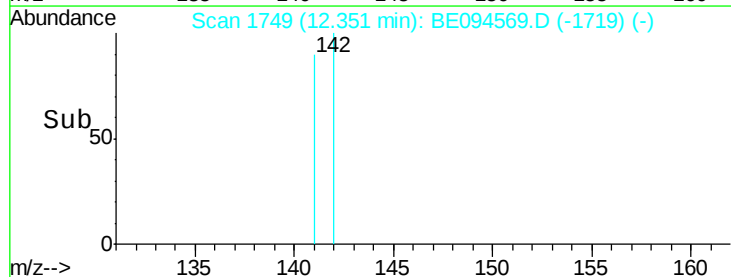
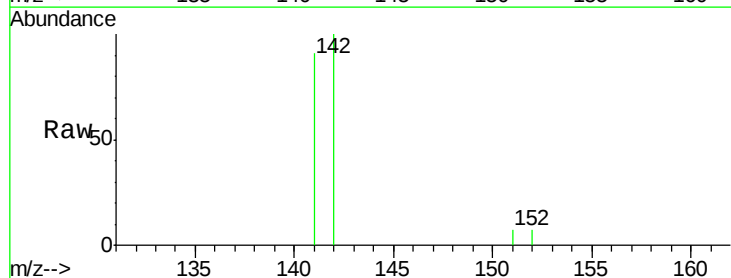
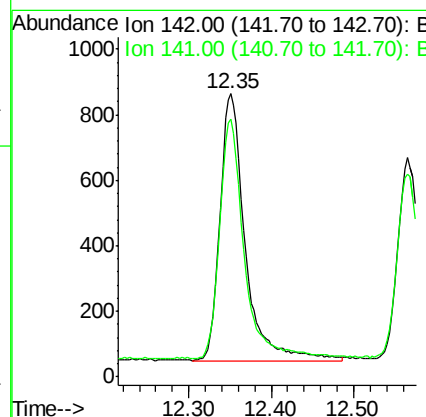
RT: 12.35 min Scan# 1749

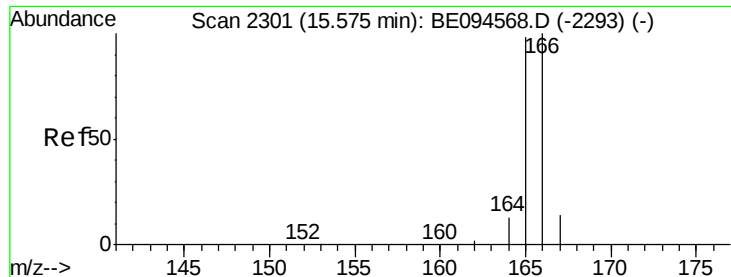
Delta R.T. -0.01 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1712  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 87.9  | 72.6  | 108.8 |





#9

Fluorene

Concen: 0.030 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

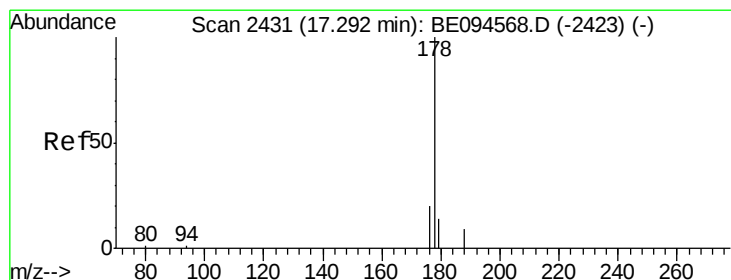
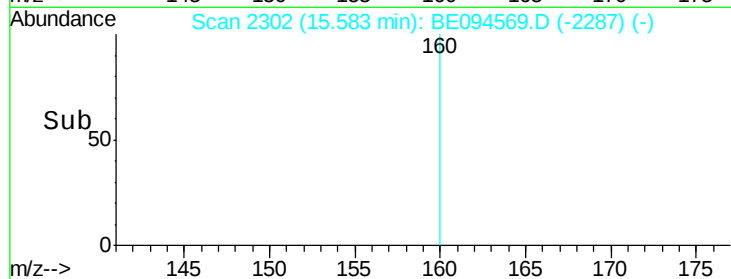
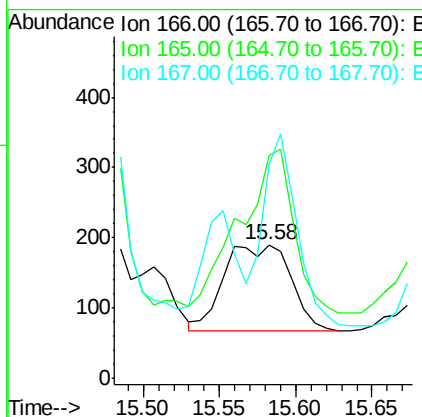
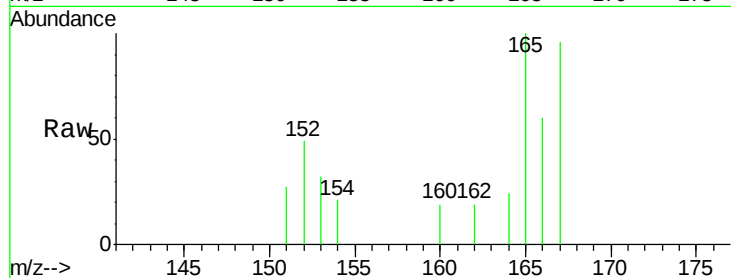
ClientSampleId :

B-26(0.5-1.5)-100517

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 376    |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 167.4 | 73.4  | 110.2# |
| 167       | 160.0 | 14.6  | 22.0#  |

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#12

Phenanthrene

Concen: 0.677 ng/ul

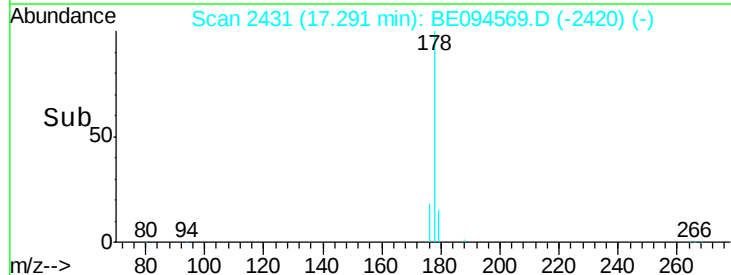
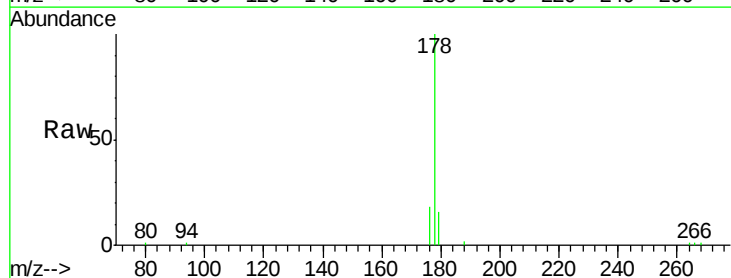
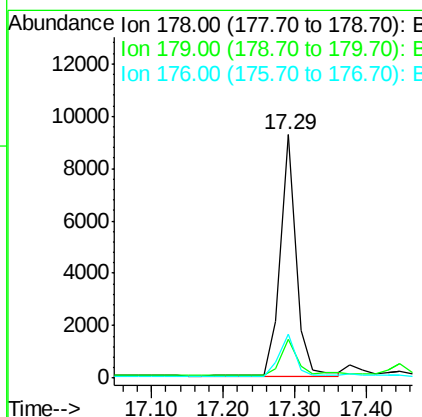
RT: 17.29 min Scan# 2431

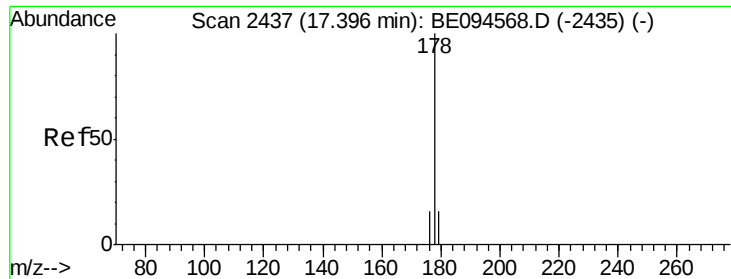
Delta R.T. -0.02 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 14078 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.2  | 18.4  | 27.6# |
| 176       | 18.3  | 13.6  | 20.4  |





#13

Anthracene

Concen: 0.039 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

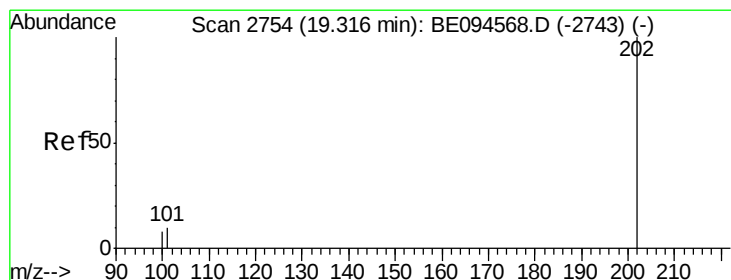
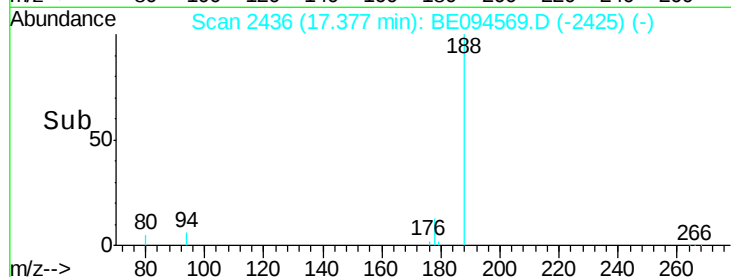
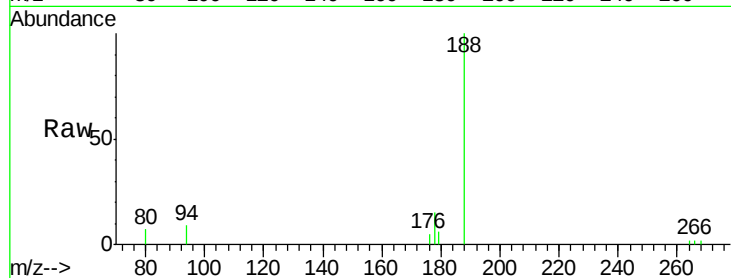
ClientSampleId :

B-26(0.5-1.5)-100517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 796   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 37.0  | 18.1  | 27.1# |
| 176       | 31.2  | 14.7  | 22.1# |

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#15

Fluoranthene

Concen: 0.365 ng/ul

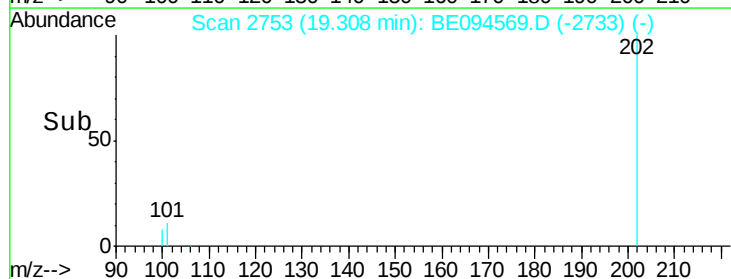
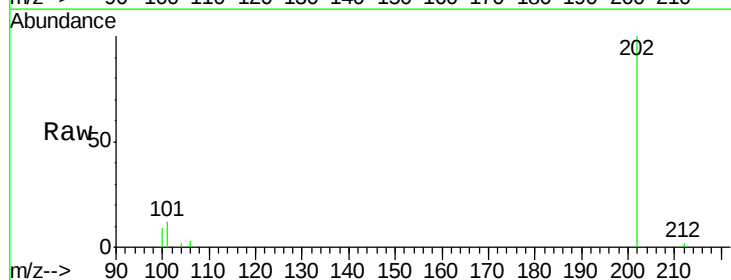
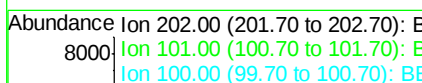
RT: 19.31 min Scan# 2753

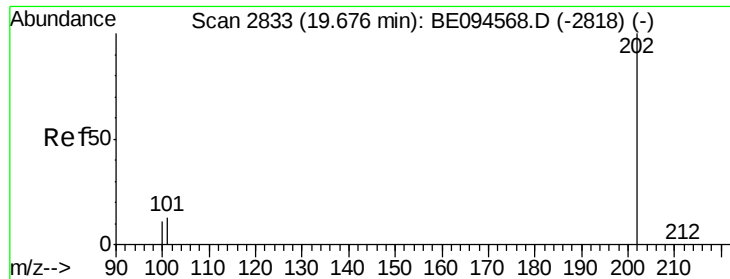
Delta R.T. -0.01 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8782 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.2  | 0.0   | 30.3 |
| 100       | 8.9   | 0.0   | 39.5 |





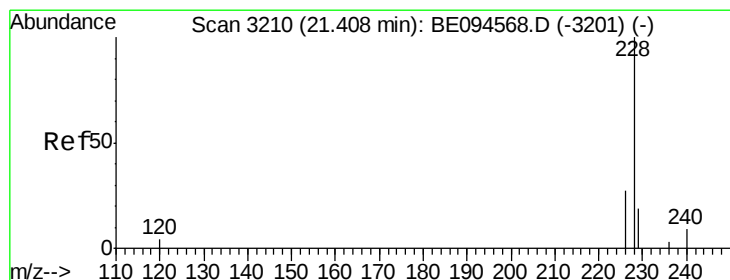
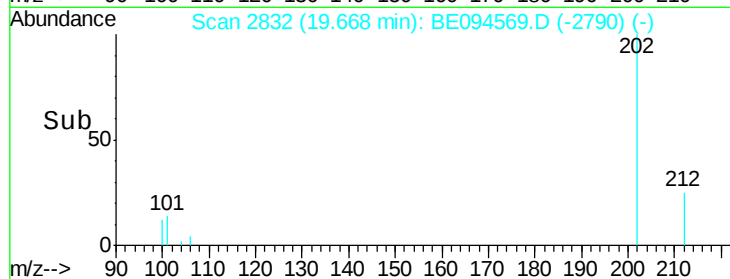
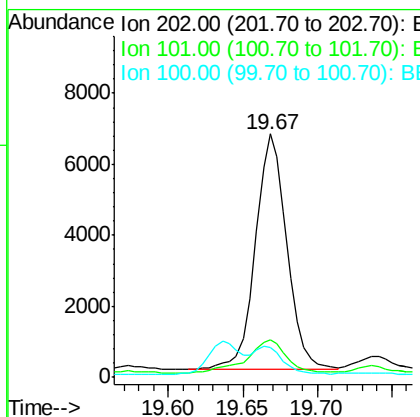
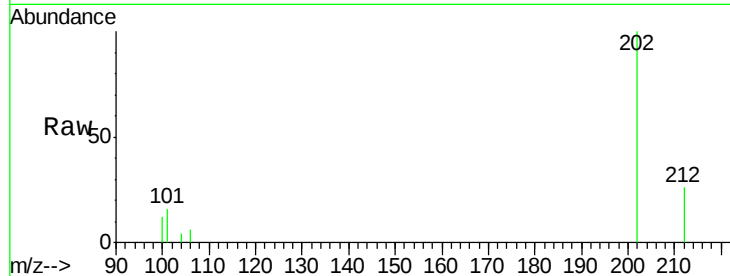
#17  
**Pyrene**  
 Concen: 0.385 ng/ul  
 RT: 19.67 min Scan# 2832  
 Delta R.T. -0.01 min  
 Lab File: BE094569.D  
 Acq: 26 Oct 2017 19:15

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-26(0.5-1.5)-100517

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 9774 |       |       |
| 101     | 15.6  | 18.2 | 27.4# |       |
| 100     | 12.5  | 15.6 | 23.4# |       |

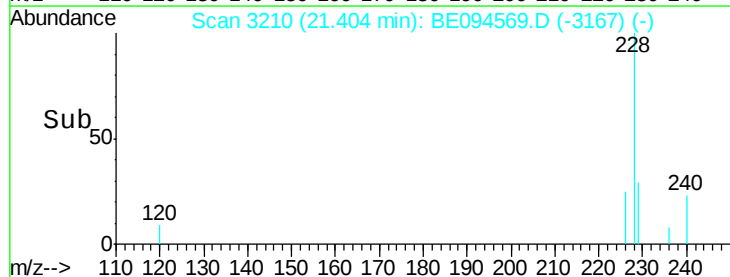
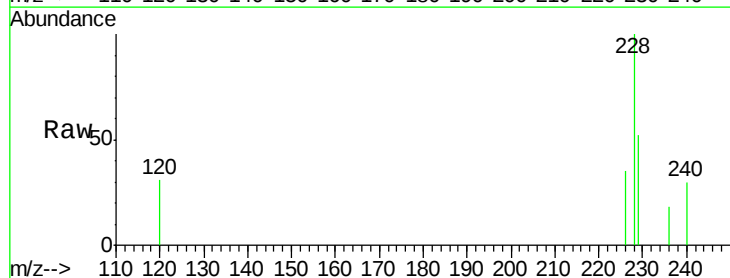
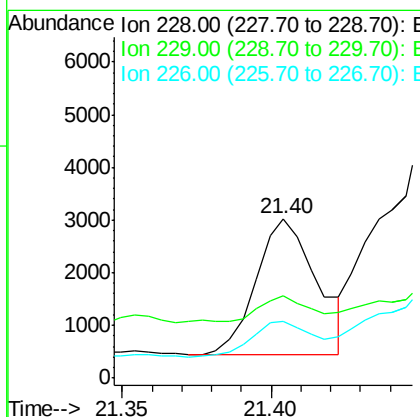
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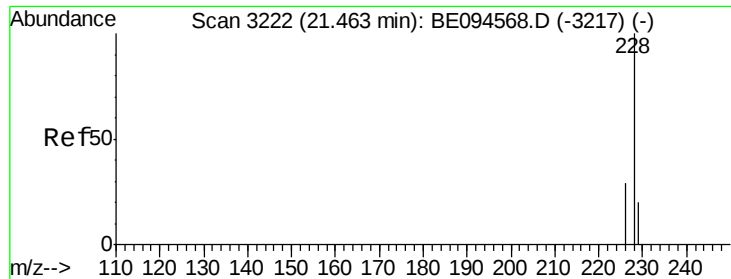
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 10/27/2017 5:35:34 PM



#18  
**Benzo(a)anthracene**  
 Concen: 0.156 ng/ul  
 RT: 21.40 min Scan# 3210  
 Delta R.T. -0.00 min  
 Lab File: BE094569.D  
 Acq: 26 Oct 2017 19:15

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   | 3655 |       |       |
| 229     | 51.5  | 22.8 | 34.2# |       |
| 226     | 35.3  | 17.0 | 25.6# |       |





#19

Chrysene

Concen: 0.483 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

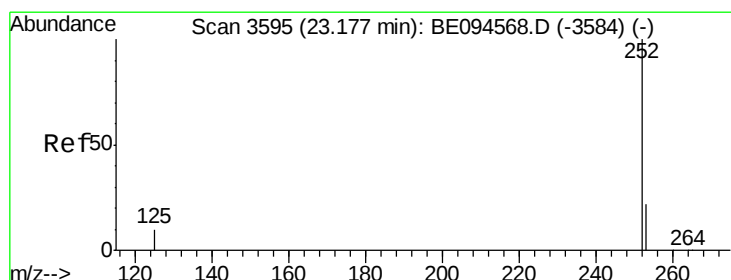
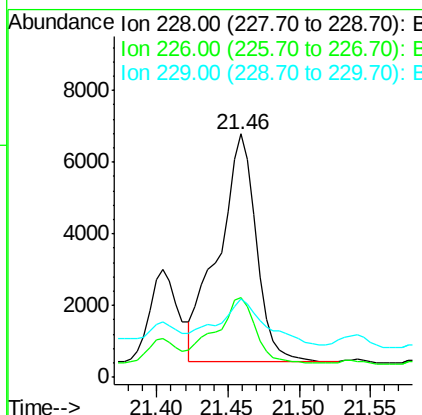
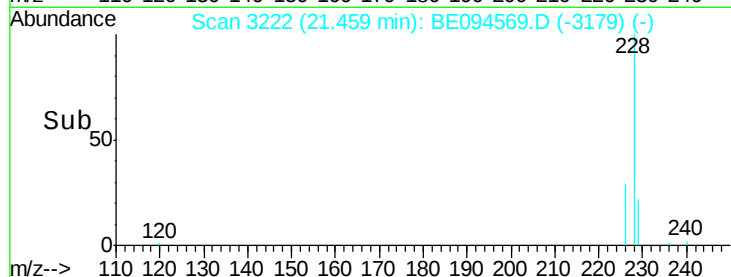
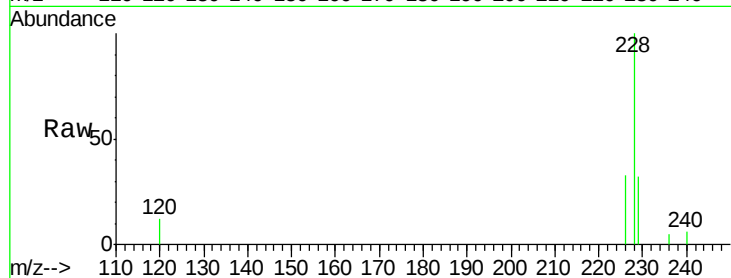
ClientSampleId :

B-26(0.5-1.5)-100517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 11696 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.7  | 23.4  | 35.0  |
| 229       | 32.3  | 17.7  | 26.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.297 ng/ul m

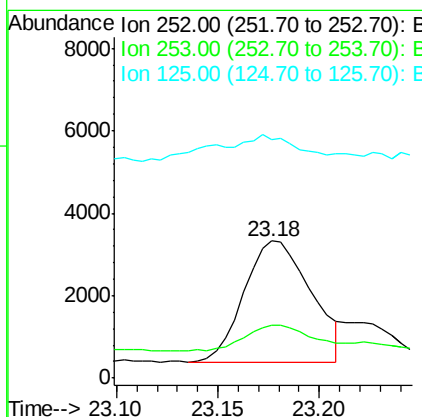
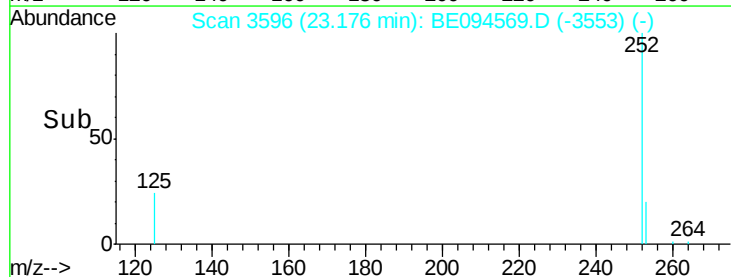
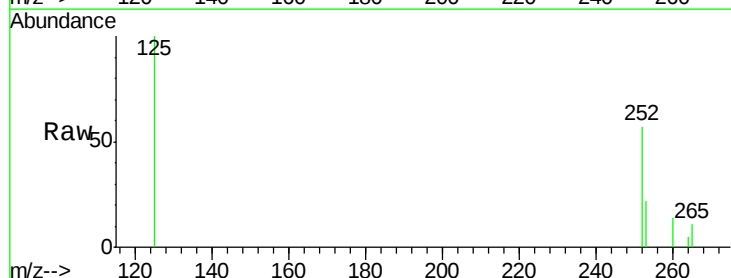
RT: 23.18 min Scan# 3596

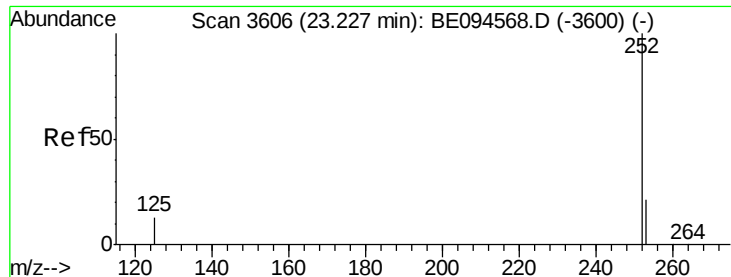
Delta R.T. -0.00 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 6823  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 38.8  | 0.0   | 64.2  |
| 125       | 174.4 | 0.0   | 35.0# |





#22

Benzo(k)fluoranthene

Concen: 0.074 ng/ul m

RT: 23.21 min Scan# 3603

Delta R.T. -0.02 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

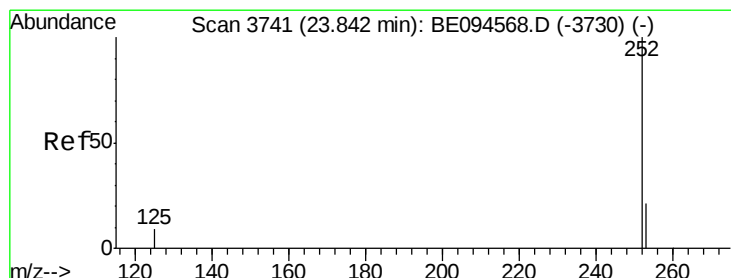
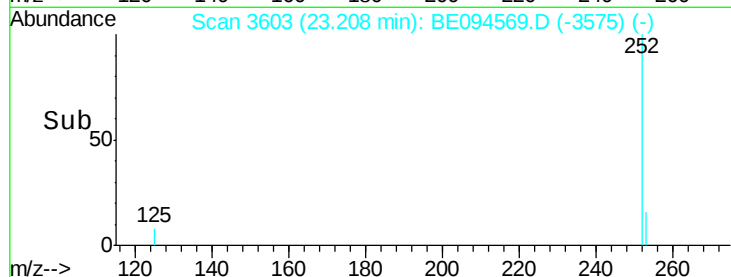
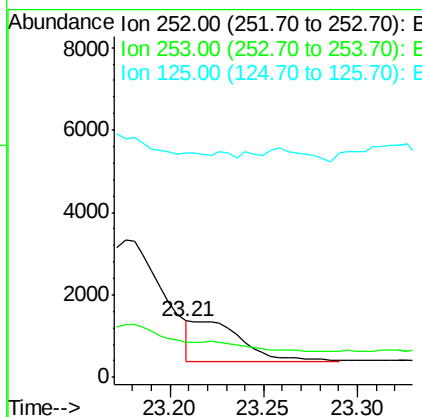
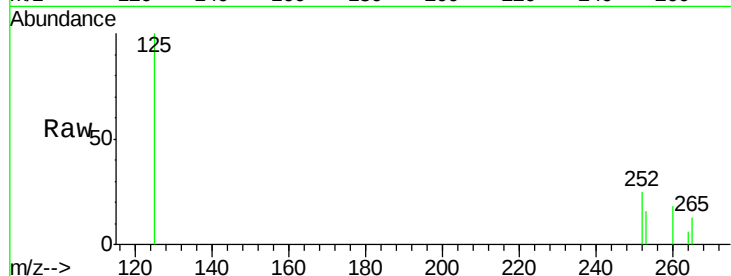
Instrument :  
BNA\_E

ClientSampleId :  
B-26(0.5-1.5)-100517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 62.9  | 24.5  | 36.7# |
| 125     | 397.7 | 13.7  | 20.5# |

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#23

Benzo(a)pyrene

Concen: 0.136 ng/ul

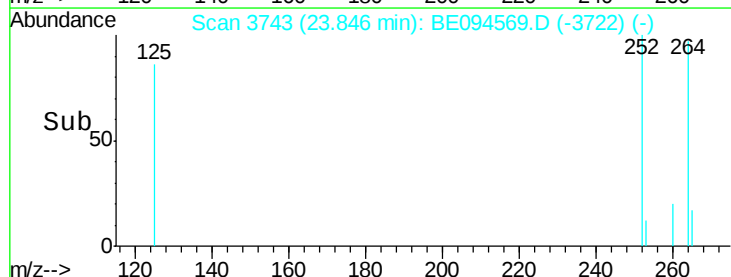
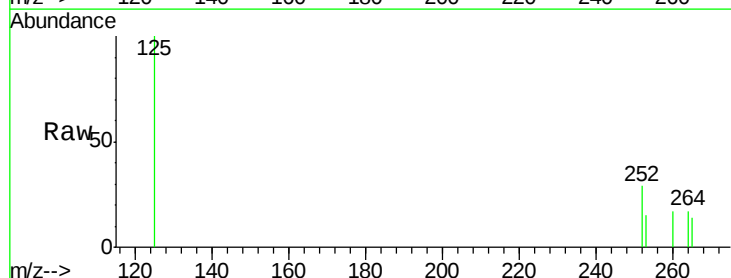
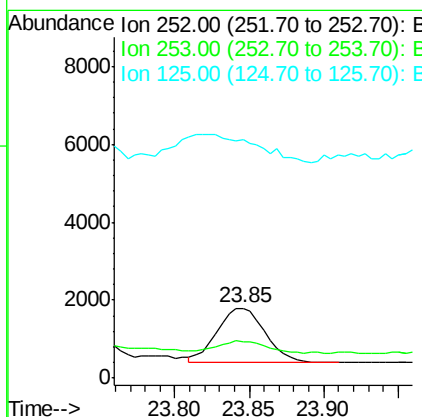
RT: 23.85 min Scan# 3743

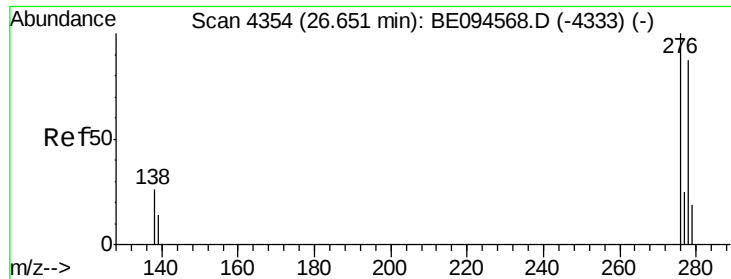
Delta R.T. -0.00 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 52.6  | 28.5  | 42.7# |
| 125     | 339.8 | 18.1  | 27.1# |





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.108 ng/u1

RT: 26.65 min Scan# 4356

Delta R.T. -0.00 min

Lab File: BE094569.D

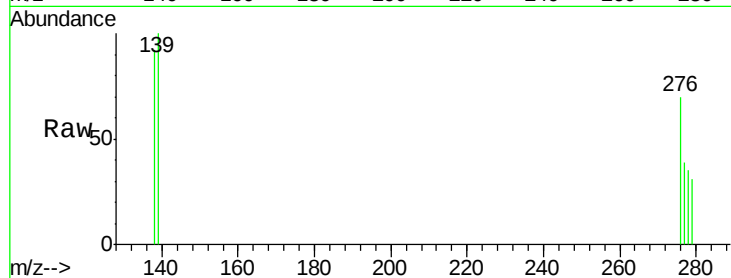
Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

ClientSampleId :

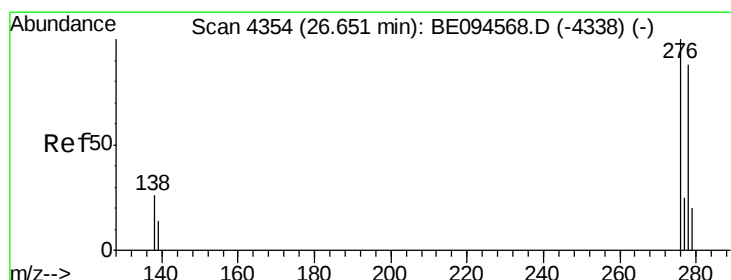
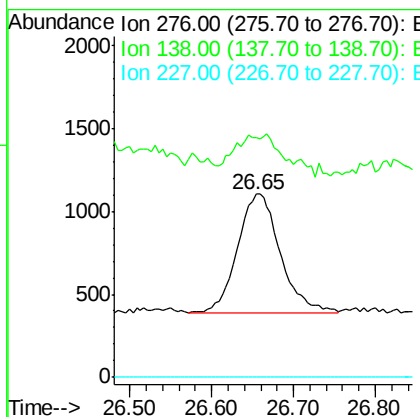
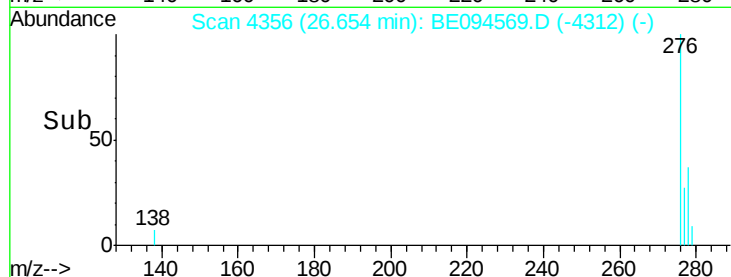
B-26(0.5-1.5)-100517



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 41.5  | 28.0  | 42.0  |
| 227     | 0.0   | 8.0   | 12.0  |

Manual Integrations  
APPROVED

Sohil  
10/27/2017 5:35:34 PM



#25

Dibenzo(a,h)anthracene

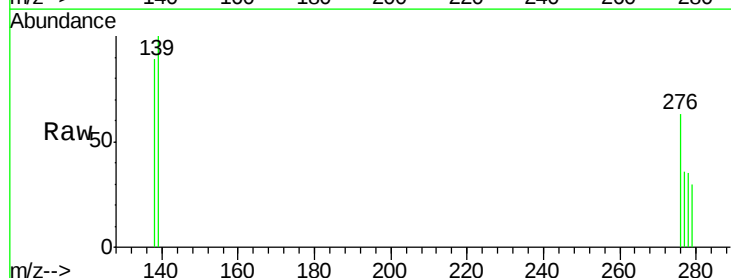
Concen: 0.061 ng/u1

RT: 26.64 min Scan# 4354

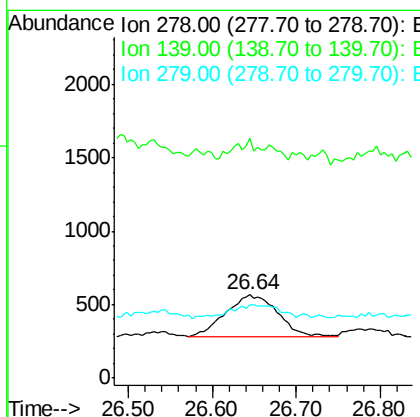
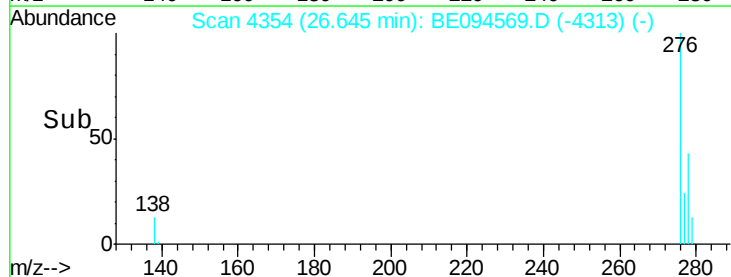
Delta R.T. -0.01 min

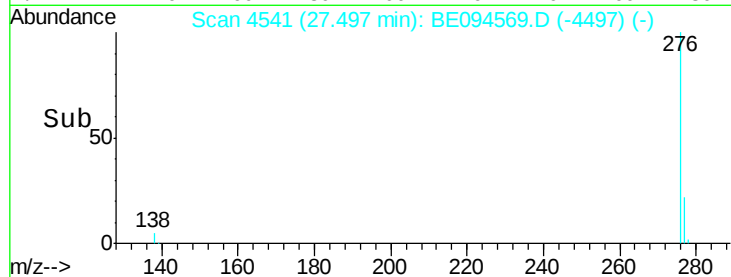
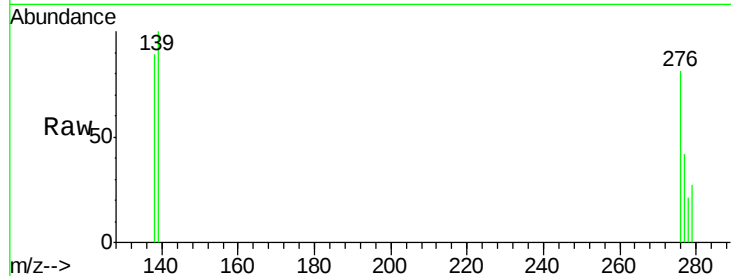
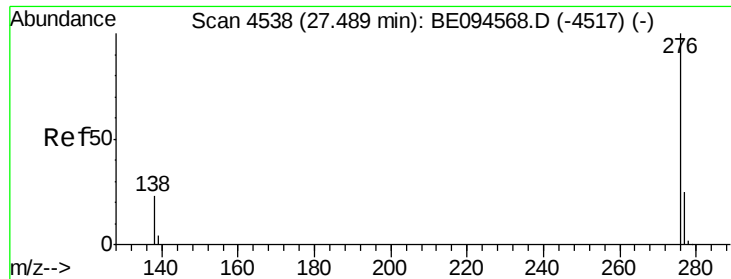
Lab File: BE094569.D

Acq: 26 Oct 2017 19:15



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 288.7 | 17.4  | 26.0  |
| 279     | 87.5  | 25.9  | 38.9  |





#26

Benzo(g,h,i)perylene

Concen: 0.166 ng/ul

RT: 27.50 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BE094569.D

Acq: 26 Oct 2017 19:15

Instrument :

BNA\_E

ClientSampleId :

B-26(0.5-1.5)-100517

| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 276 | 100   |       |       |       |
| 138 | 109.8 | 21.8  | 32.8# |       |
| 277 | 51.2  | 20.5  | 30.7# |       |

Manual Integrations  
APPROVED

Sohil  
10/27/2017 5:35:34 PM

