

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE110617\  
 Data File : BE094752.D  
 Acq On : 6 Nov 2017 14:31  
 Operator : SJ/JU  
 Sample : I6150-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-3(2-3)-102517

Manual Integrations  
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Sohil  
 11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:41:06 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE102517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 07 00:12:32 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.90  | 152  | 1076     | 0.40   | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.69 | 136  | 6771     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.51 | 164  | 4227     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 8049     | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.43 | 240  | 7980     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.97 | 264  | 8120m    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.27 | 152  | 2713     | 0.25   | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.28 | 212  | 6241     | 0.26   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 3) Naphthalene              | 10.73 | 128  | 254200   | 15.355 | ng/ul# | 93       |
| 5) 2-Methylnaphthalene      | 12.34 | 142  | 32078    | 2.770  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.24 | 152  | 942      | 0.049  | ng/ul# | 53       |
| 8) Acenaphthene             | 14.57 | 153  | 7129     | 0.519  | ng/ul  | 97       |
| 9) Fluorene                 | 15.57 | 166  | 11116    | 0.720  | ng/ul  | 96       |
| 12) Phenanthrene            | 17.29 | 178  | 36282    | 1.707  | ng/ul# | 90       |
| 13) Anthracene              | 17.38 | 178  | 6670     | 0.318  | ng/ul  | 92       |
| 15) Fluoranthene            | 19.31 | 202  | 21791    | 0.887  | ng/ul  | 83       |
| 17) Pyrene                  | 19.67 | 202  | 17927    | 0.727  | ng/ul# | 83       |
| 18) Benzo(a)anthracene      | 21.41 | 228  | 5461     | 0.239  | ng/ul# | 79       |
| 19) Chrysene                | 21.47 | 228  | 6412     | 0.272  | ng/ul# | 77       |
| 21) Benzo(b)fluoranthene    | 23.19 | 252  | 5804m    | 0.254  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.22 | 252  | 2649m    | 0.108  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.86 | 252  | 3131m    | 0.137  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.70 | 276  | 2171m    | 0.092  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 27.54 | 276  | 2035m    | 0.107  | ng/ul  |          |

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

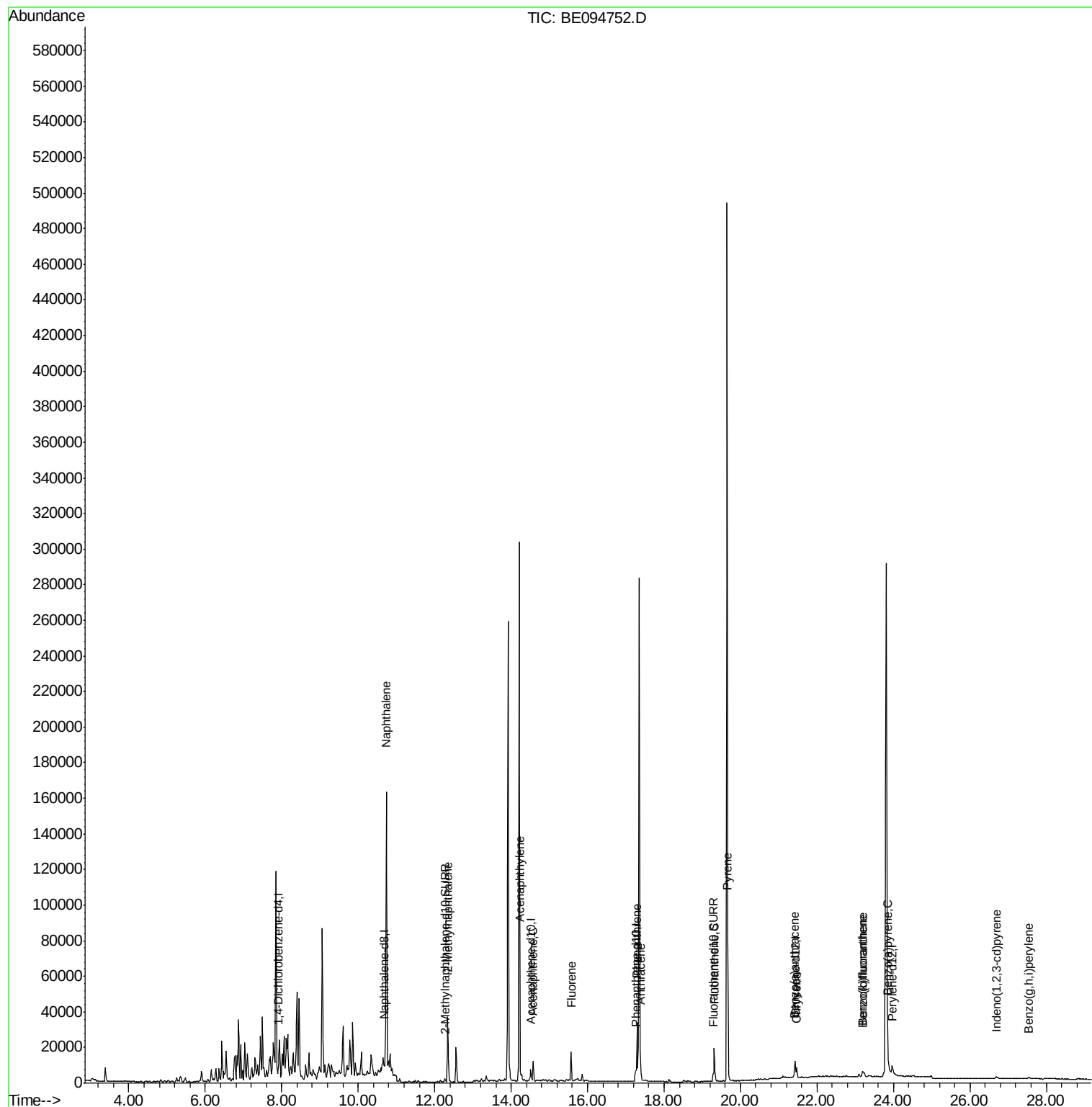
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

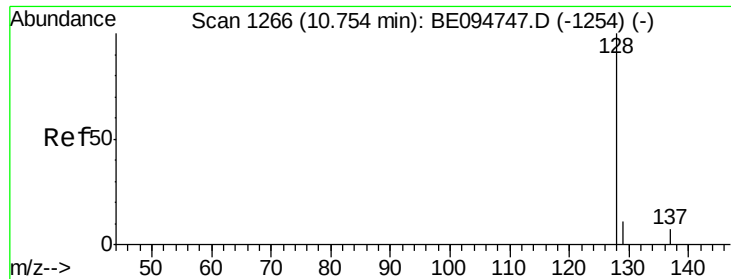
Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

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Quant Time: Nov 07 00:41:06 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 15.355 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

ClientSampleId :

B-3(2-3)-102517

Tgt Ion:128 Resp: 254200

Ion Ratio Lower Upper

128 100

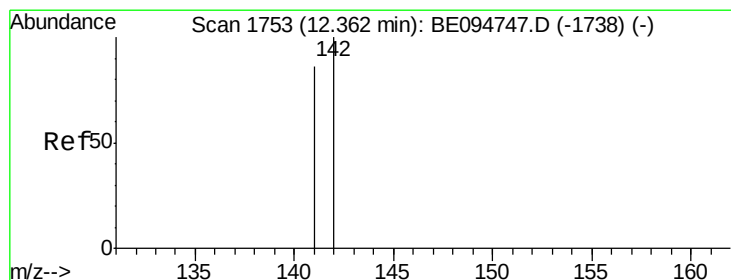
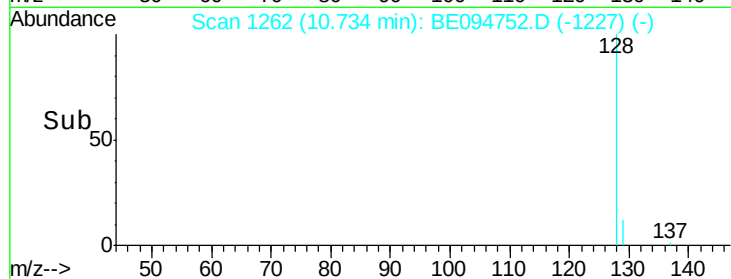
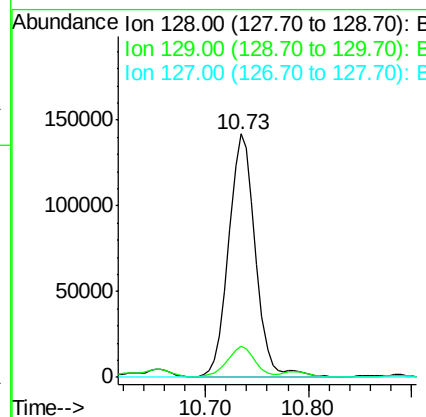
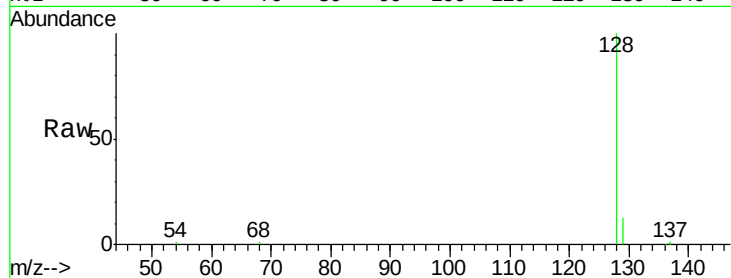
129 12.6 11.3 16.9

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 2.770 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094752.D

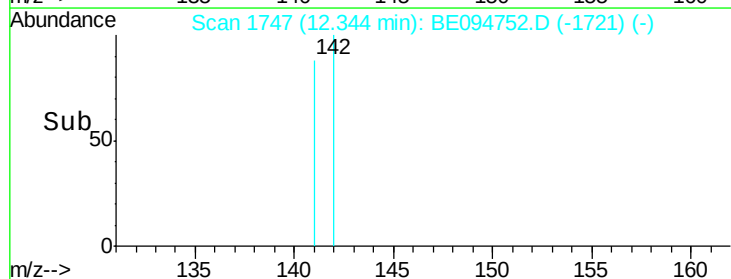
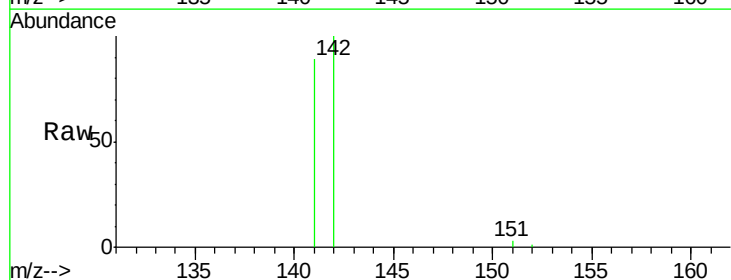
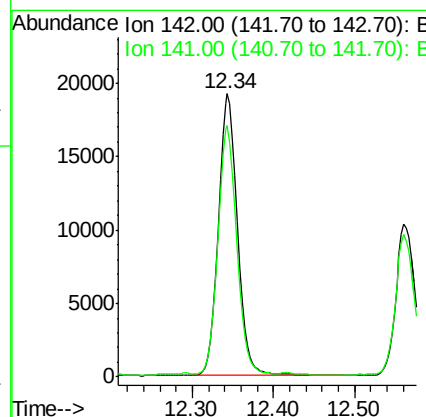
Acq: 6 Nov 2017 14:31

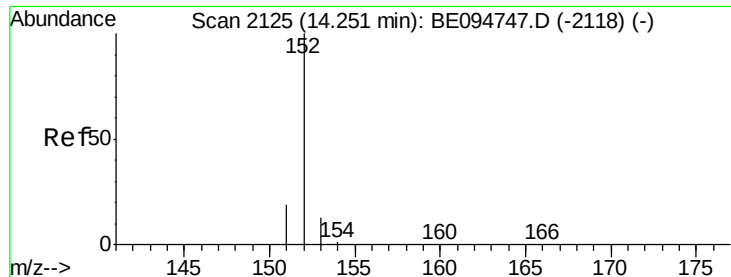
Tgt Ion:142 Resp: 32078

Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

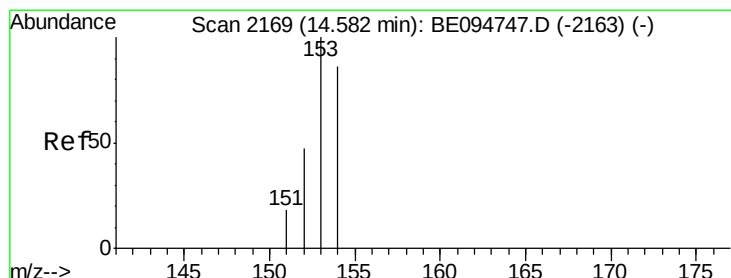
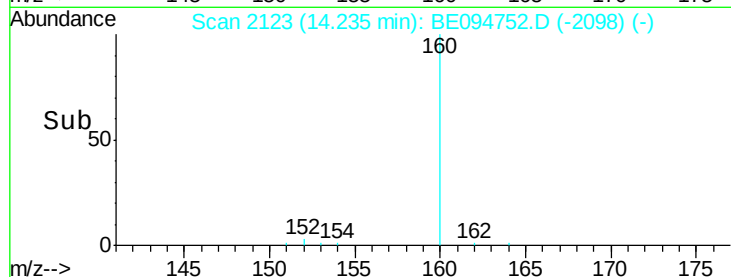
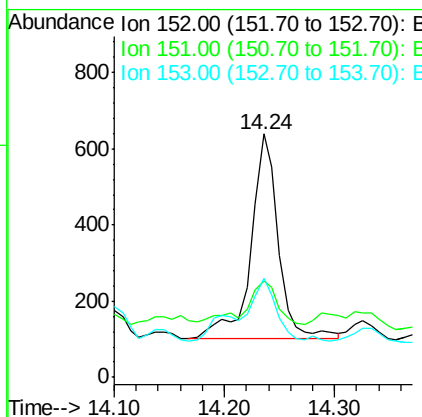
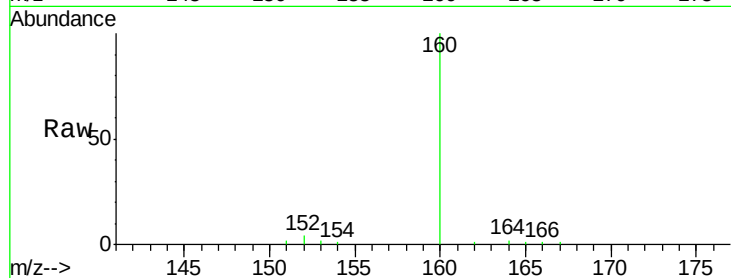
ClientSampleId :

B-3(2-3)-102517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 942   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 39.6  | 17.1  | 25.7# |
| 153       | 40.8  | 12.8  | 19.2# |

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#8

Acenaphthene

Concen: 0.519 ng/ul

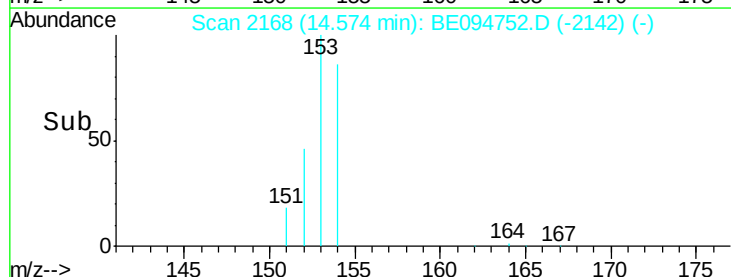
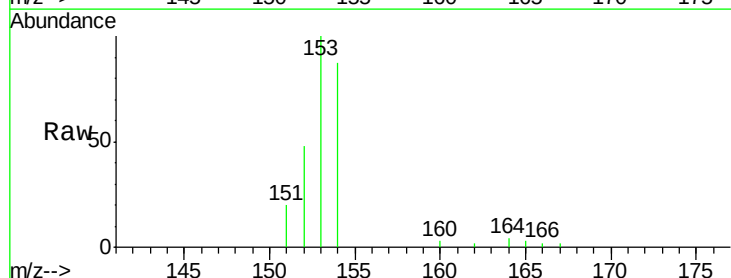
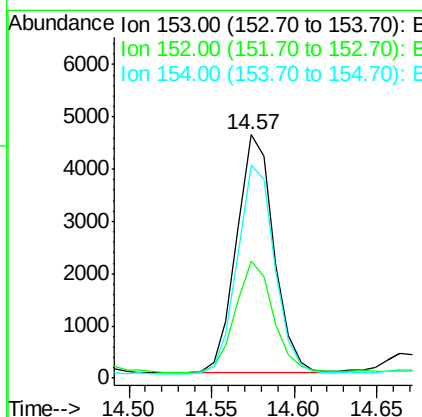
RT: 14.57 min Scan# 2168

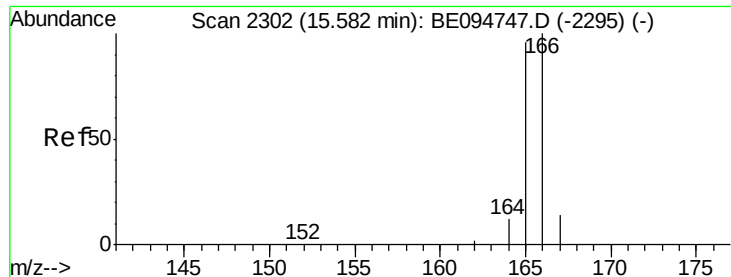
Delta R.T. -0.01 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 7129  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 48.0  | 36.0  | 54.0  |
| 154       | 87.2  | 72.0  | 108.0 |





#9

Fluorene

Concen: 0.720 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

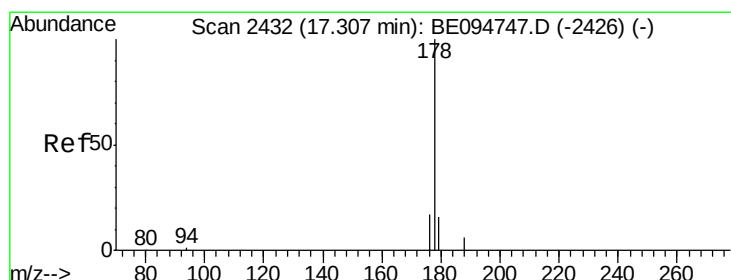
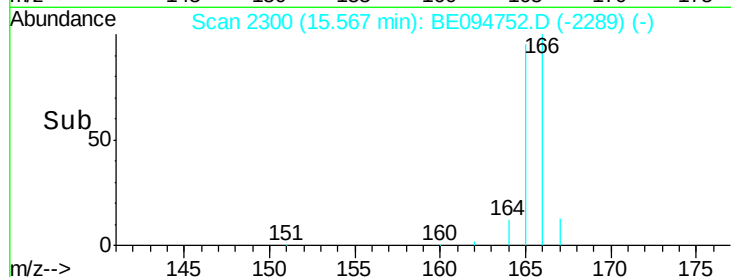
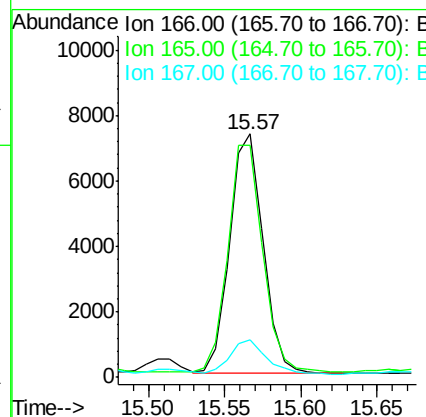
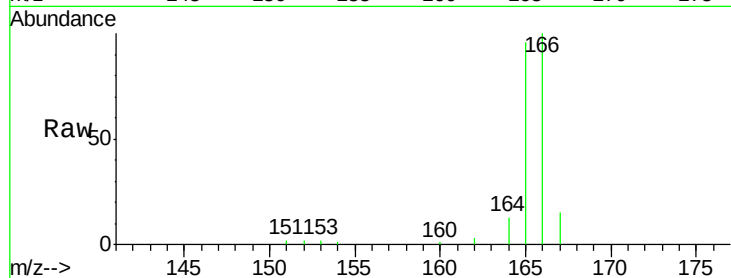
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 11116 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 95.6  | 73.4  | 110.2 |
| 167       | 15.2  | 14.6  | 22.0  |

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#12

Phenanthrene

Concen: 1.707 ng/ul

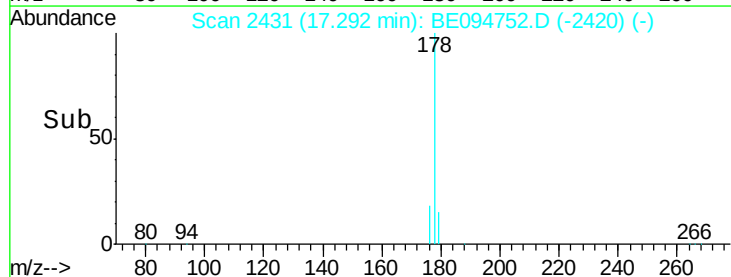
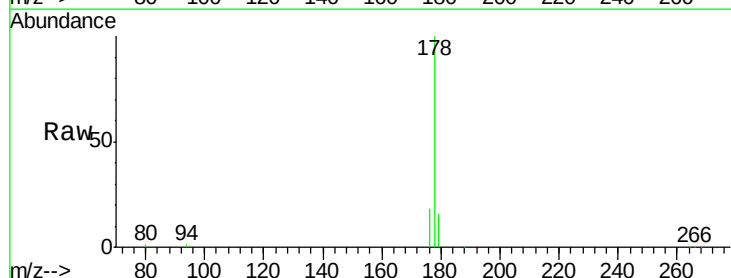
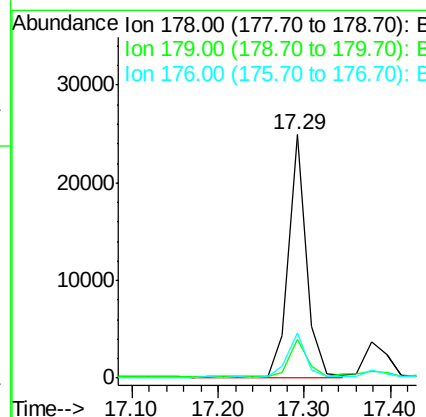
RT: 17.29 min Scan# 2431

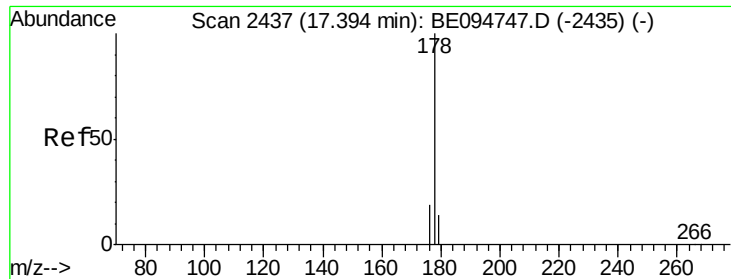
Delta R.T. -0.02 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 36282 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.8  | 18.4  | 27.6# |
| 176       | 18.4  | 13.6  | 20.4  |





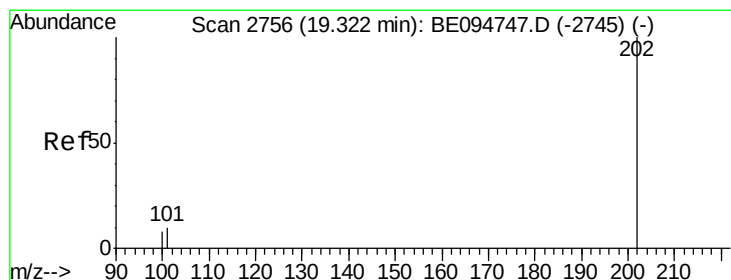
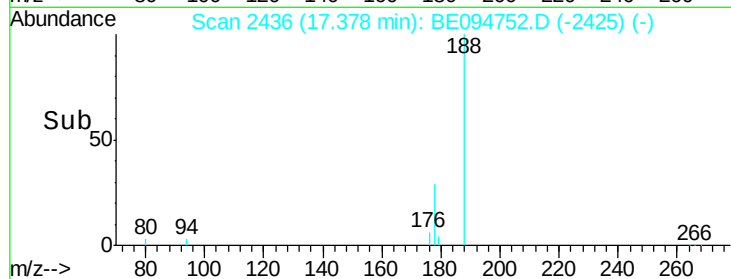
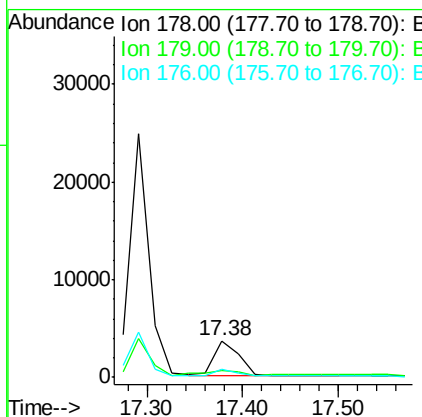
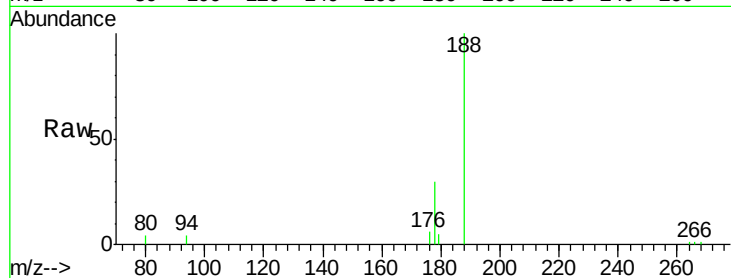
#13  
 Anthracene  
 Concen: 0.318 ng/ul  
 RT: 17.38 min Scan# 2436  
 Delta R.T. -0.02 min  
 Lab File: BE094752.D  
 Acq: 6 Nov 2017 14:31

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-3(2-3)-102517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 18.1  | 18.1  | 27.1  |
| 176     | 21.7  | 14.7  | 22.1  |

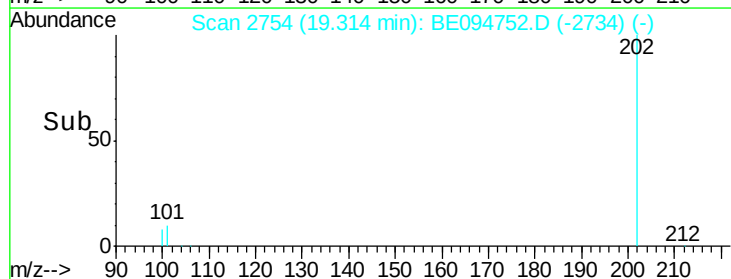
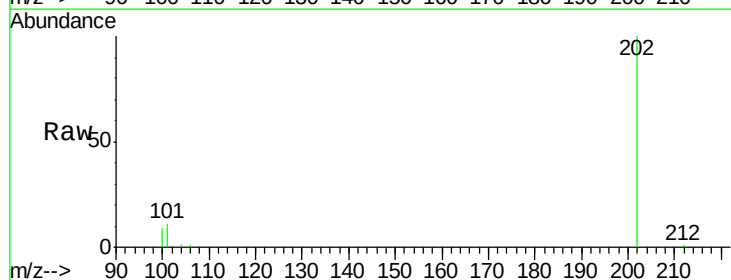
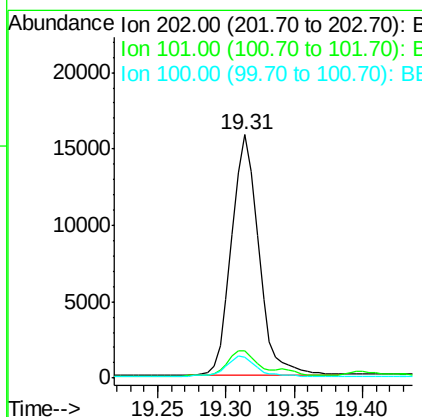
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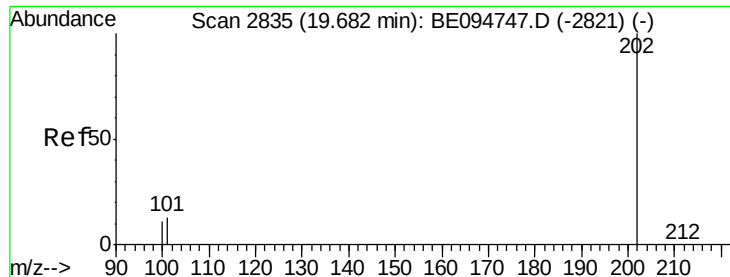
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#15  
 Fluoranthene  
 Concen: 0.887 ng/ul  
 RT: 19.31 min Scan# 2754  
 Delta R.T. -0.01 min  
 Lab File: BE094752.D  
 Acq: 6 Nov 2017 14:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.2  | 0.0   | 30.3  |
| 100     | 8.6   | 0.0   | 39.5  |





#17

Pyrene

Concen: 0.727 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

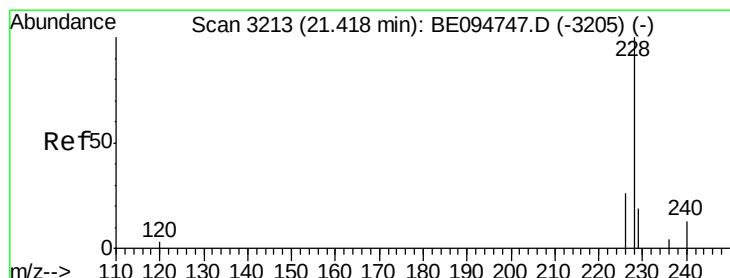
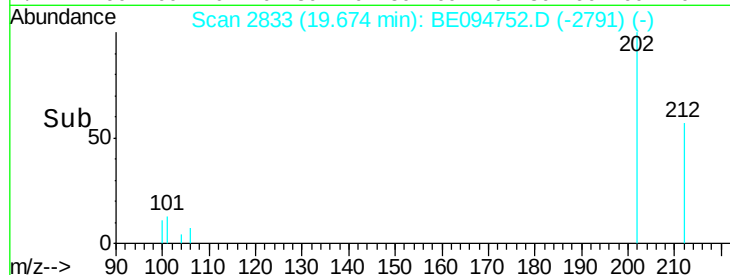
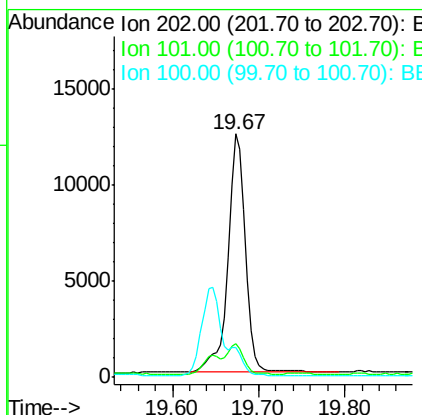
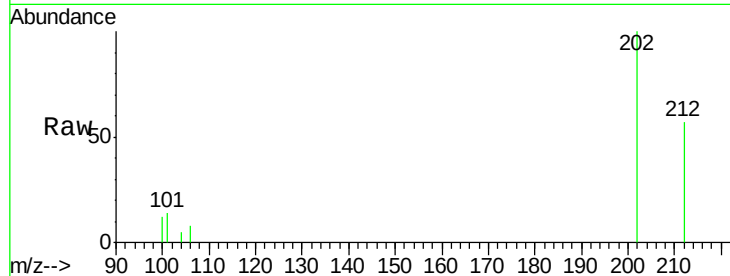
ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 17927 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.1  | 18.2  | 27.4# |
| 100       | 12.1  | 15.6  | 23.4# |

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#18

Benzo(a)anthracene

Concen: 0.239 ng/ul

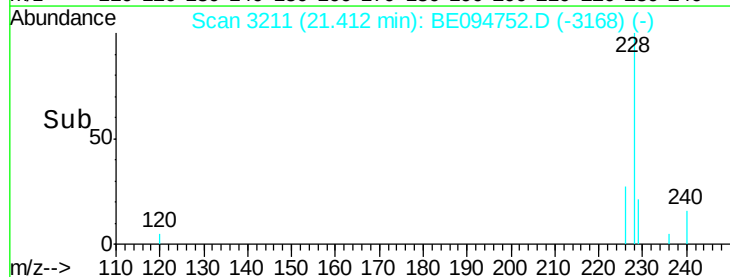
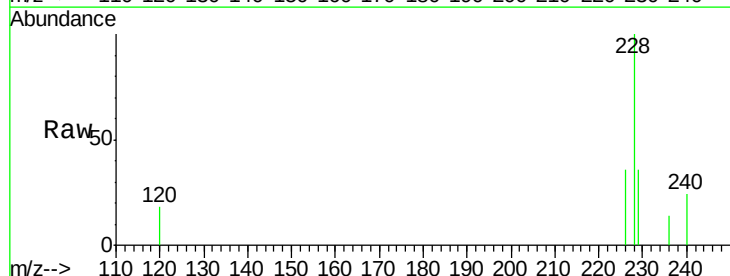
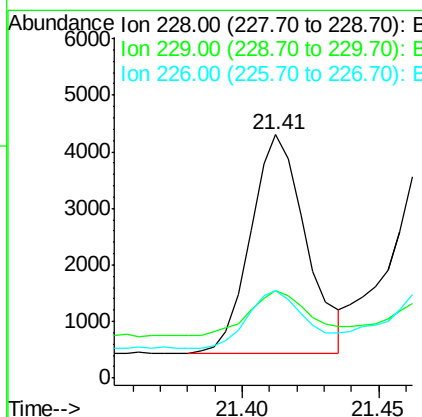
RT: 21.41 min Scan# 3211

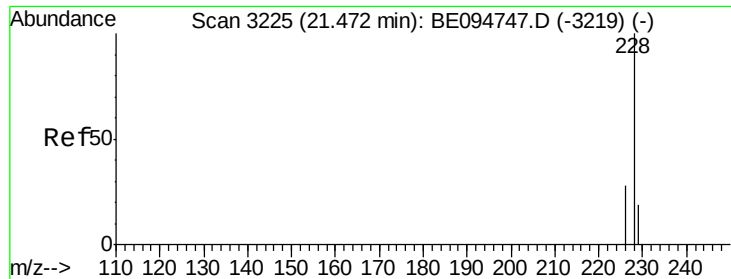
Delta R.T. -0.01 min

Lab File: BE094752.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 5461  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 36.0  | 22.8  | 34.2# |
| 226       | 35.8  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.272 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

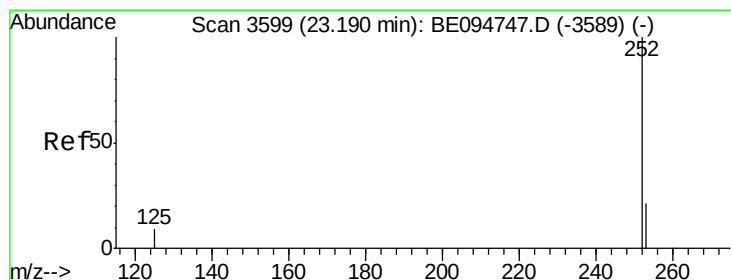
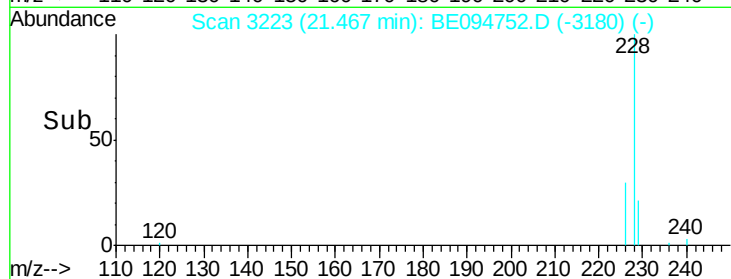
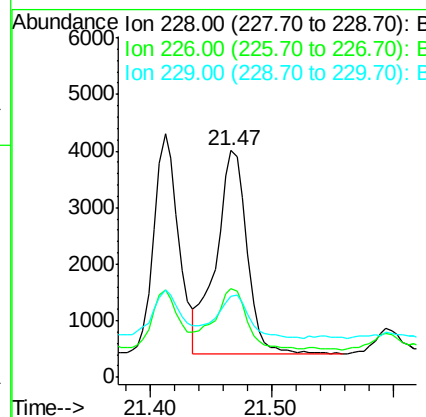
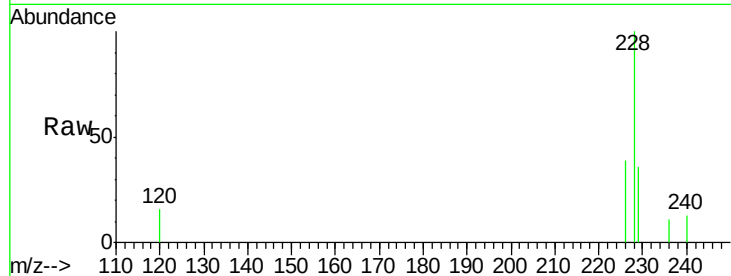
ClientSampleId :

B-3(2-3)-102517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 6412  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 39.3  | 23.4  | 35.0# |
| 229       | 35.8  | 17.7  | 26.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.254 ng/ul m

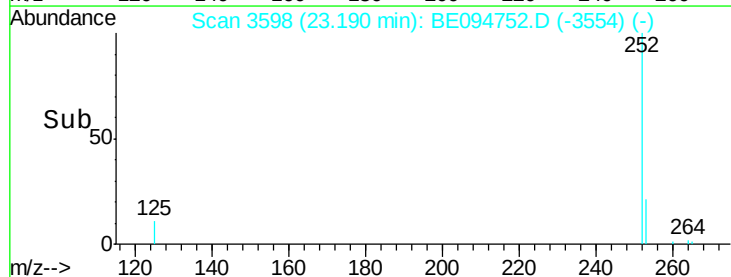
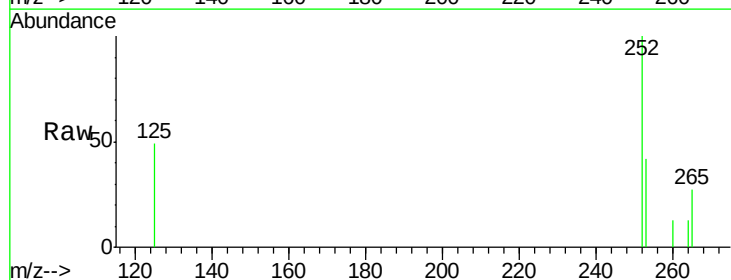
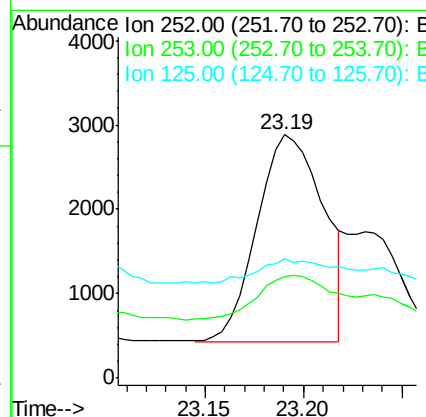
RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

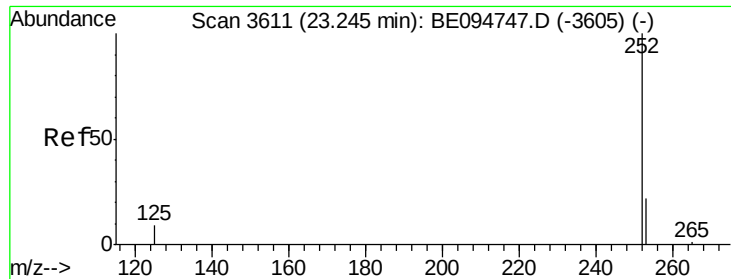
Lab File: BE094752.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5804  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 41.5  | 0.0   | 64.2  |
| 125       | 48.9  | 0.0   | 35.0# |







#22

Benzo(k)fluoranthene

Concen: 0.108 ng/ul m

RT: 23.22 min Scan# 3604

Delta R.T. -0.03 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

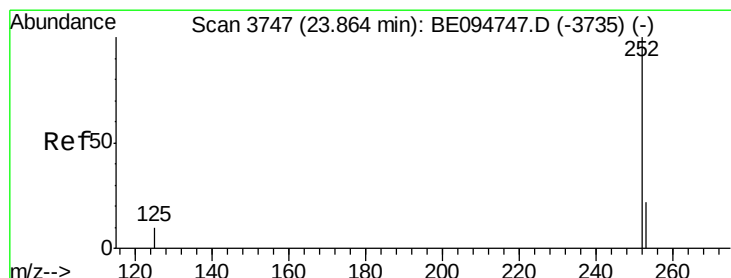
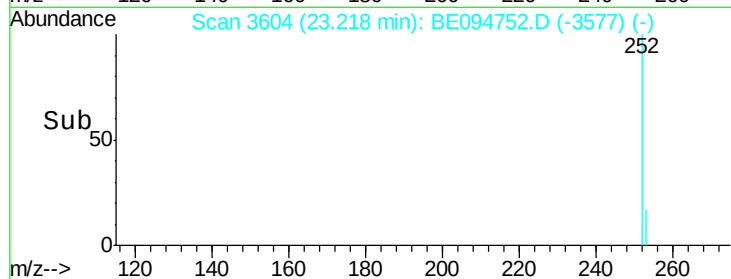
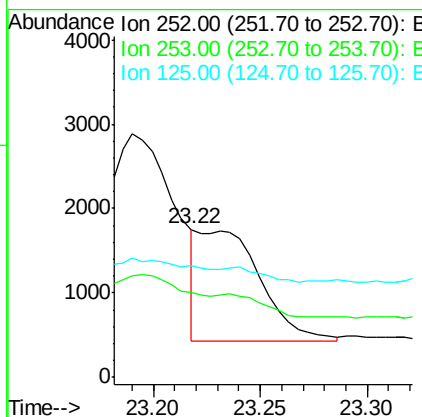
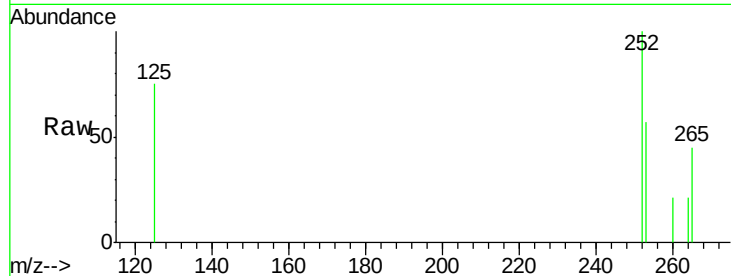
ClientSampleId :

B-3(2-3)-102517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2649  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 57.0  | 24.5  | 36.7# |
| 125       | 75.2  | 13.7  | 20.5# |

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM



#23

Benzo(a)pyrene

Concen: 0.137 ng/ul m

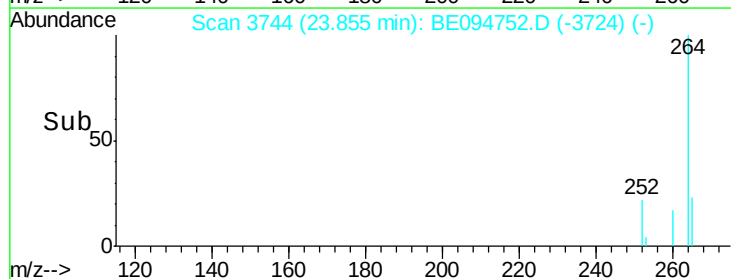
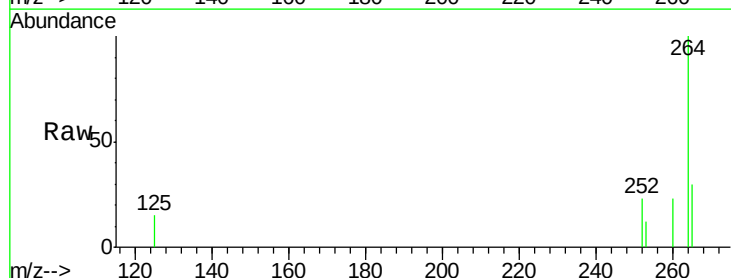
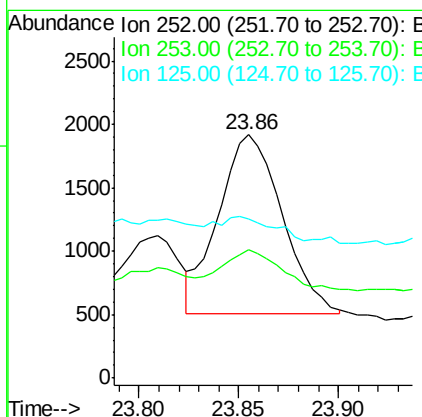
RT: 23.86 min Scan# 3744

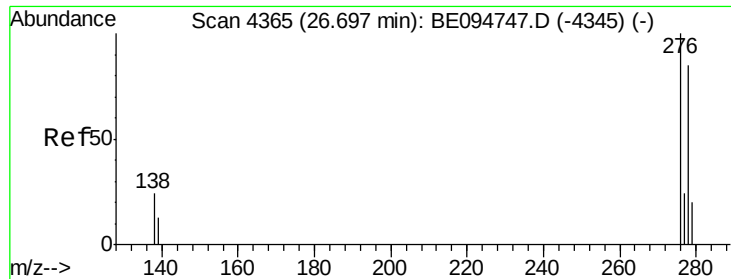
Delta R.T. -0.01 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 3131  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 52.8  | 28.5  | 42.7# |
| 125       | 65.6  | 18.1  | 27.1# |





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.092 ng/ul m

RT: 26.70 min Scan# 4364

Delta R.T. -0.00 min

Lab File: BE094752.D

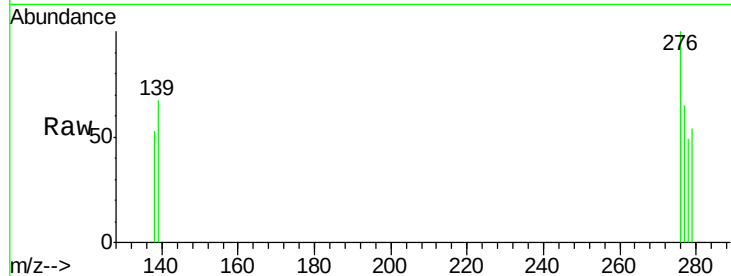
Acq: 6 Nov 2017 14:31

Instrument :

BNA\_E

ClientSampleId :

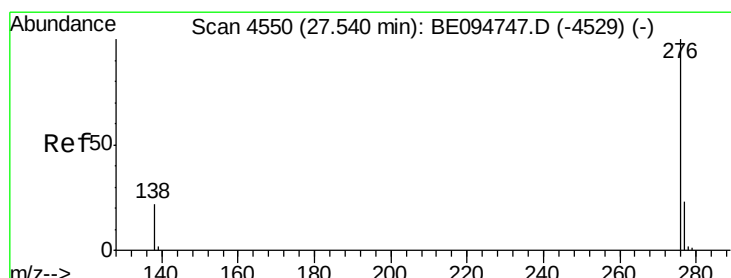
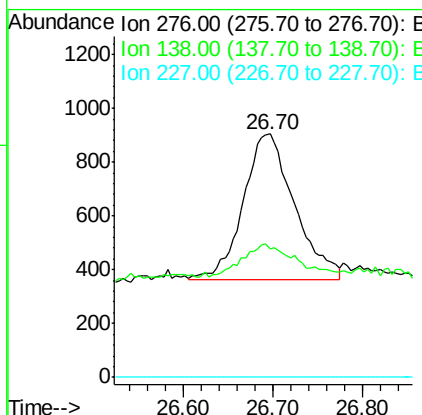
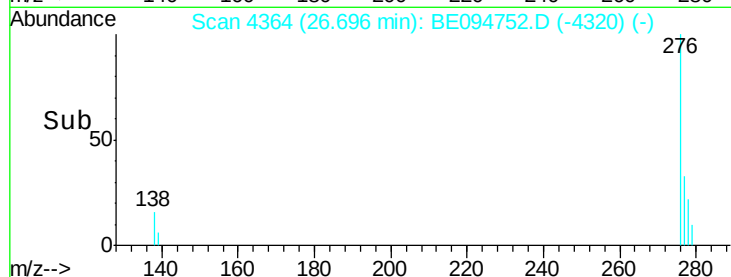
B-3(2-3)-102517



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 2171  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.8   | 28.0  | 42.0# |
| 227       | 0.0   | 8.0   | 12.0# |

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM



#26

Benzo(g,h,i)perylene

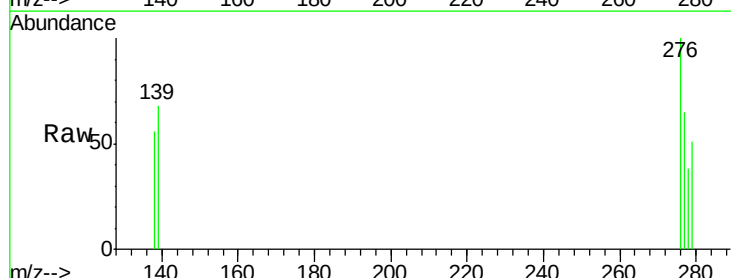
Concen: 0.107 ng/ul m

RT: 27.54 min Scan# 4549

Delta R.T. -0.00 min

Lab File: BE094752.D

Acq: 6 Nov 2017 14:31



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 2035  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 55.6  | 21.8  | 32.8# |
| 277       | 64.8  | 20.5  | 30.7# |

