

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094359.D  
 Acq On : 14 Oct 2017 17:32  
 Operator : SJ/JU  
 Sample : I5522-14  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AE3

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:25:06 PM

Quant Time: Oct 15 01:50:34 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 05:22:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1282     | 0.40   | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.70 | 136  | 6764     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.52 | 164  | 4499     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 10931m   | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.42 | 240  | 10786    | 0.40   | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.94 | 264  | 9809m    | 0.40   | ng/ul  | -0.03    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 3179     | 0.30   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.28 | 212  | 10449    | 0.29   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.74 | 128  | 2270     | 0.137  | ng/ul# | 94       |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 482      | 0.045  | ng/ul  | 95       |
| 7) Acenaphthylene           | 14.24 | 152  | 602      | 0.034  | ng/ul# | 73       |
| 9) Fluorene                 | 15.57 | 166  | 389      | 0.023  | ng/ul# | 88       |
| 12) Phenanthrene            | 17.29 | 178  | 5340     | 0.187  | ng/ul# | 89       |
| 13) Anthracene              | 17.38 | 178  | 1259     | 0.045  | ng/ul# | 81       |
| 15) Fluoranthene            | 19.31 | 202  | 14797    | 0.394  | ng/ul  | 84       |
| 17) Pyrene                  | 19.67 | 202  | 15012    | 0.500  | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 21.40 | 228  | 7582     | 0.265  | ng/ul# | 89       |
| 19) Chrysene                | 21.46 | 228  | 8654     | 0.262  | ng/ul  | 94       |
| 21) Benzo(b)fluoranthene    | 23.17 | 252  | 10457m   | 0.392  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.21 | 252  | 3726m    | 0.121  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.83 | 252  | 7418m    | 0.268  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.63 | 276  | 4980m    | 0.176  | ng/ul  |          |
| 26) Benzo(a,h,i)perylene    | 27.46 | 276  | 4857m    | 0.199  | ng/ul  |          |

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

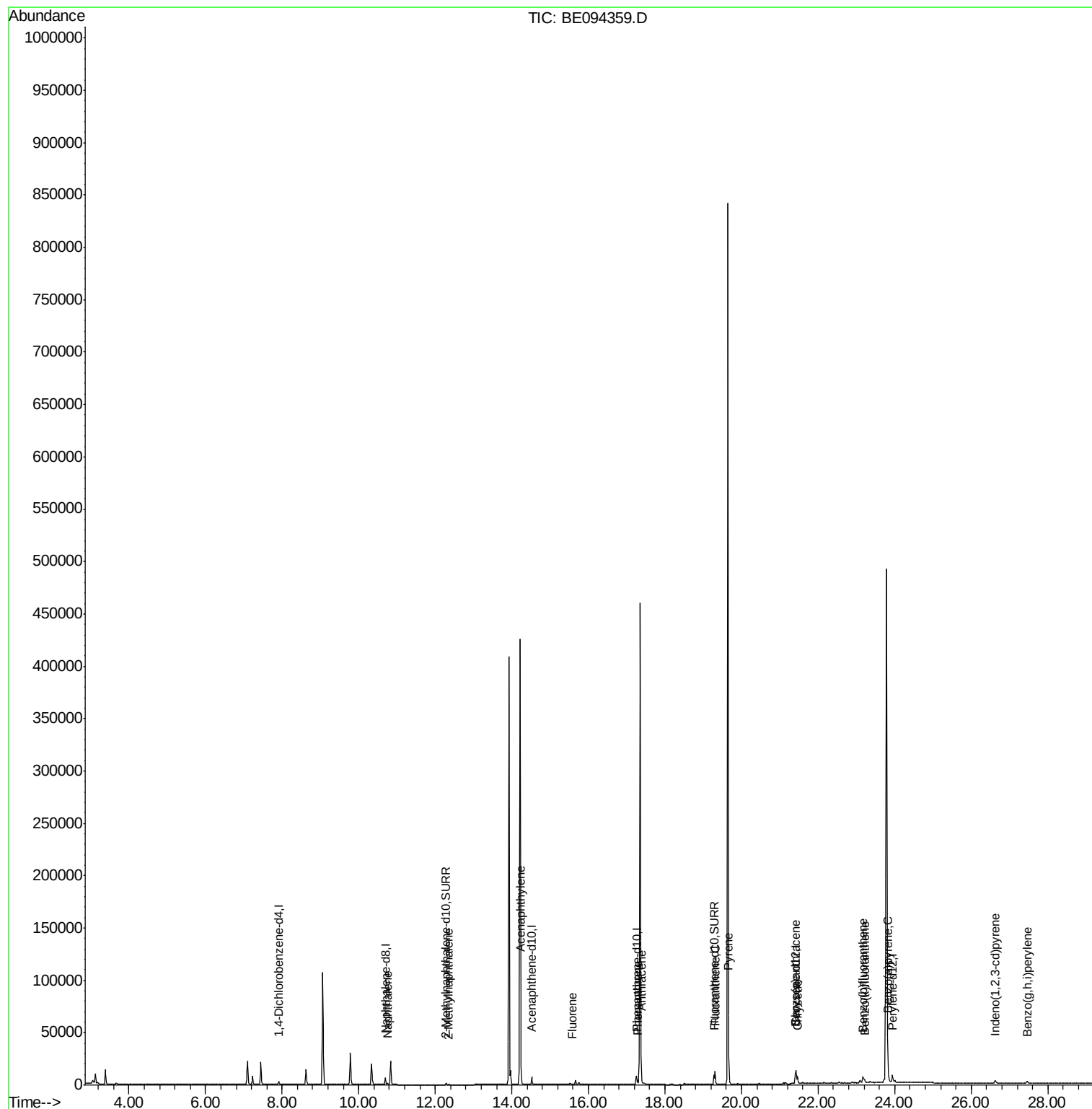
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\  
Data File : BE094359.D  
Acq On : 14 Oct 2017 17:32  
Operator : SJ/JU  
Sample : I5522-14  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

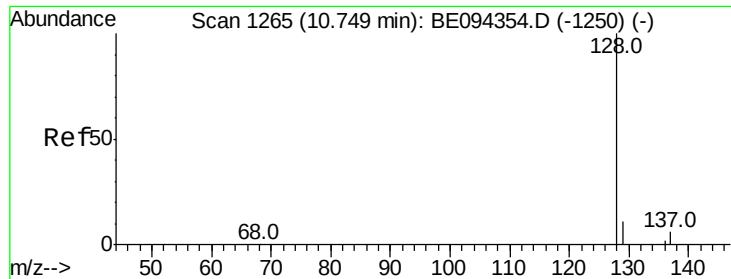
Instrument :  
BNA\_E  
ClientSampleId :  
C0AE3

Manual Integrations  
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Quant Time: Oct 15 01:50:34 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 05:22:31 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.137 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

Instrument :

BNA\_E

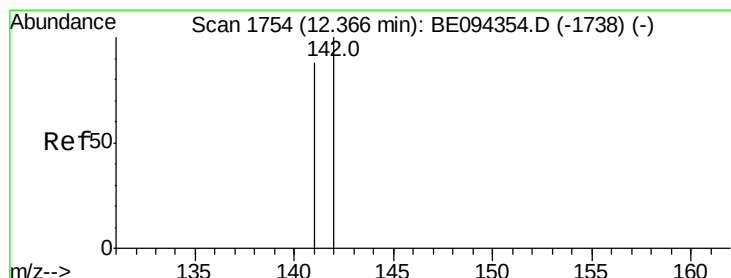
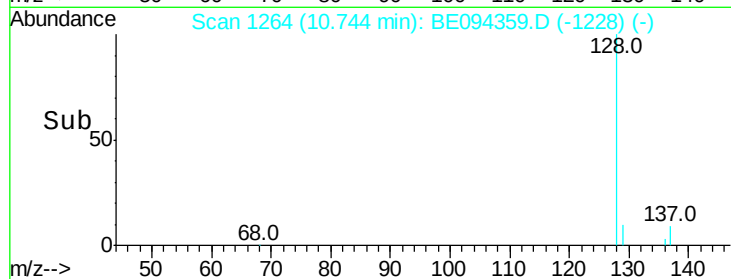
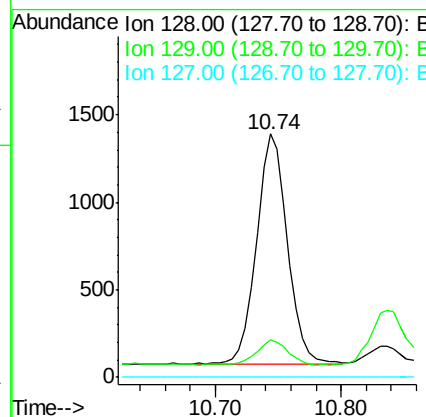
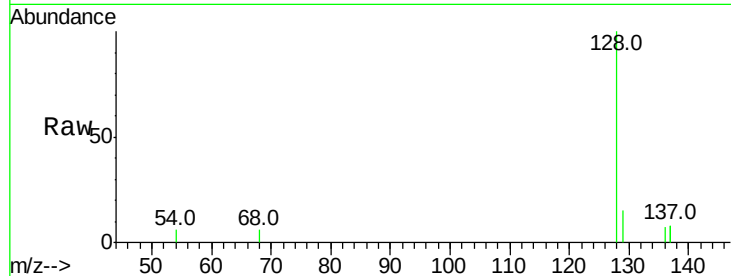
ClientSampleId :

C0AE3

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 128   | Resp: | 2270 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 15.4  | 11.3  | 16.9 |
| 127       | 0.0   | 4.0   | 6.0# |

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#5

2-Methylnaphthalene

Concen: 0.045 ng/ul

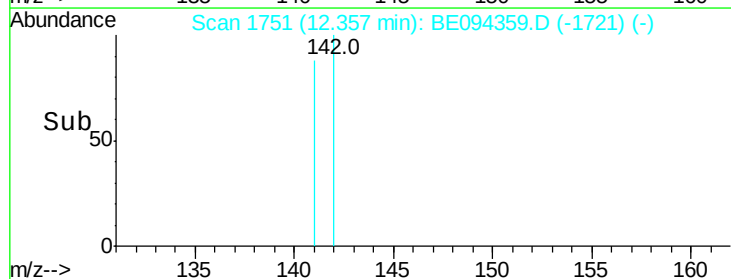
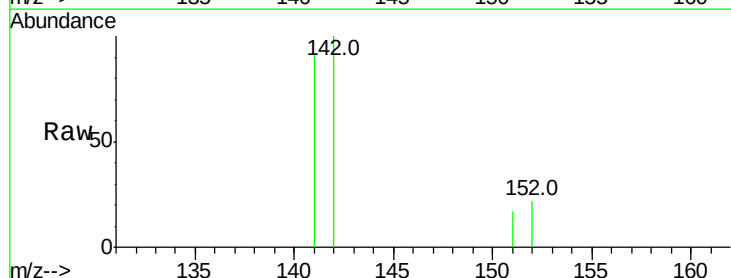
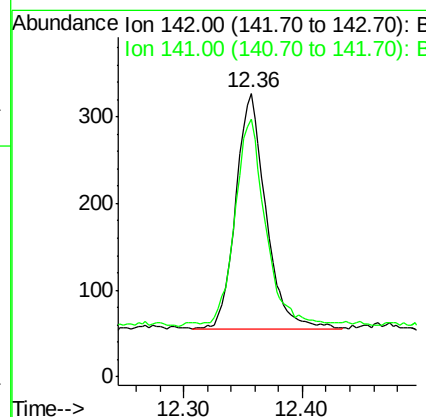
RT: 12.36 min Scan# 1751

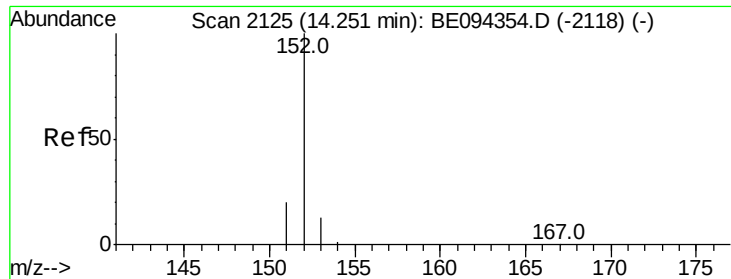
Delta R.T. -0.01 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 482   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 86.3  | 72.6  | 108.8 |





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

Instrument :

BNA\_E

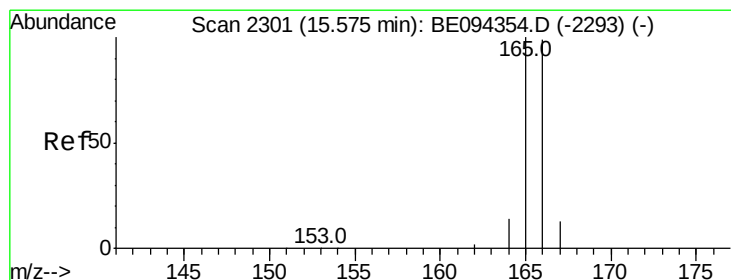
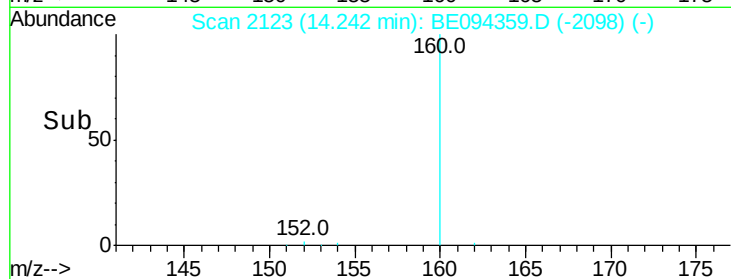
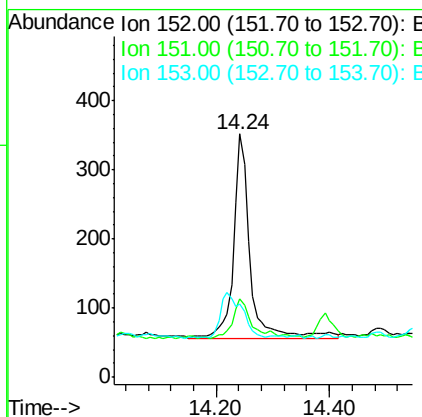
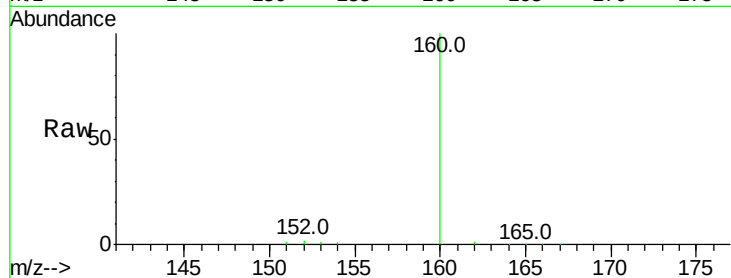
ClientSampleId :

C0AE3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 602   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 32.1  | 17.1  | 25.7# |
| 153       | 29.8  | 12.8  | 19.2# |

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#9

Fluorene

Concen: 0.023 ng/ul

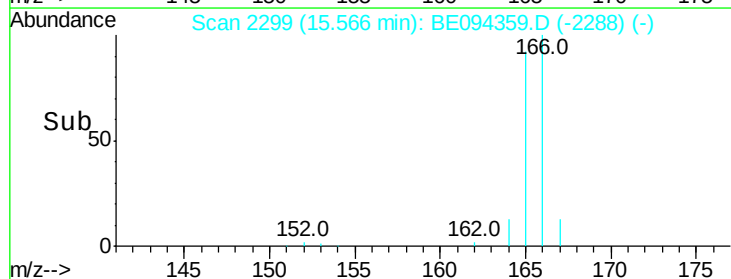
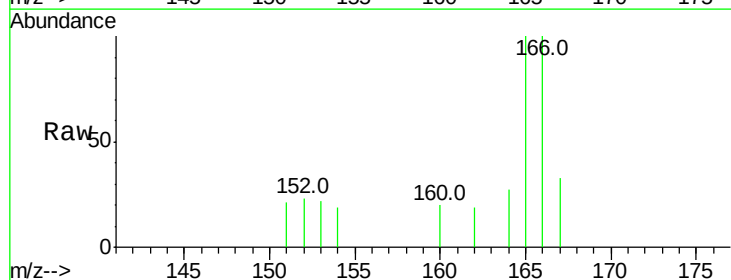
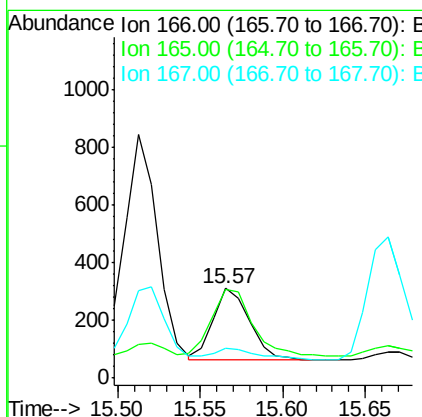
RT: 15.57 min Scan# 2299

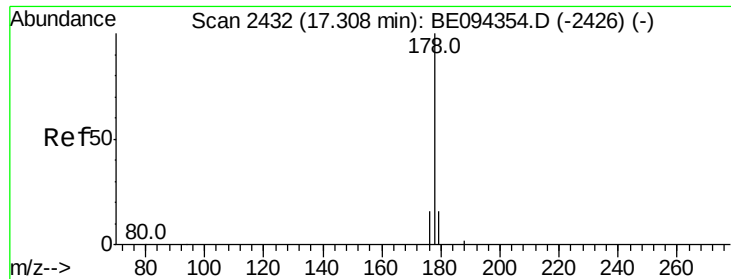
Delta R.T. -0.02 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 389   |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.7  | 73.4  | 110.2 |
| 167       | 32.8  | 14.6  | 22.0# |





#12

Phenanthrene

Concen: 0.187 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094359.D

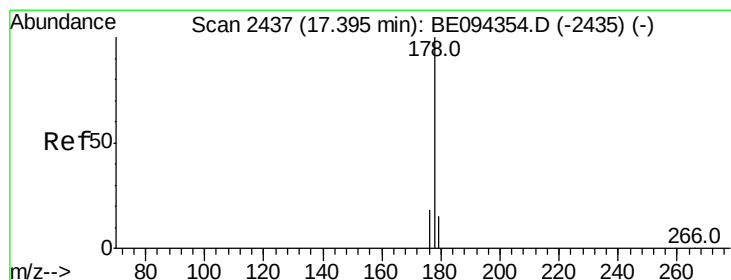
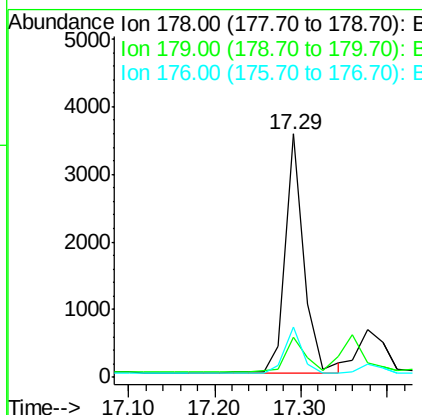
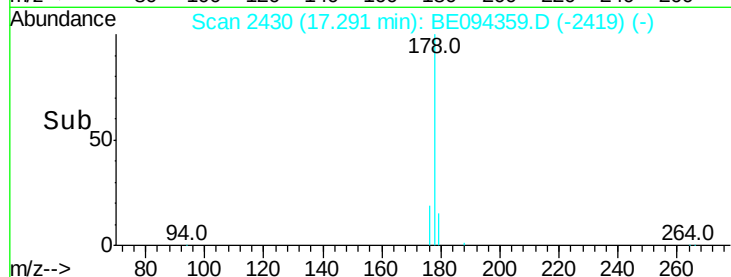
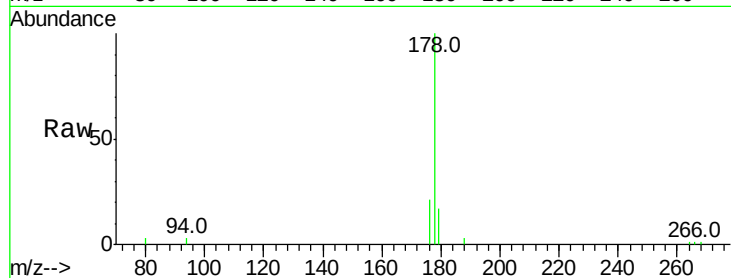
Acq: 14 Oct 2017 17:32

Instrument :  
BNA\_E  
ClientSampled :  
C0AE3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.7  | 18.4  | 27.6# |
| 176     | 20.8  | 13.6  | 20.4# |

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#13

Anthracene

Concen: 0.045 ng/ul

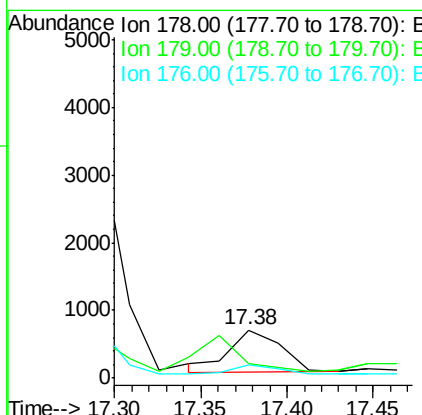
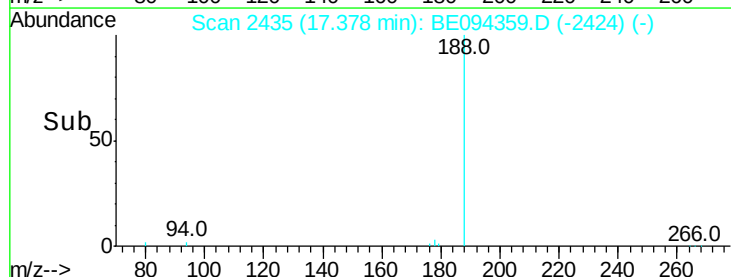
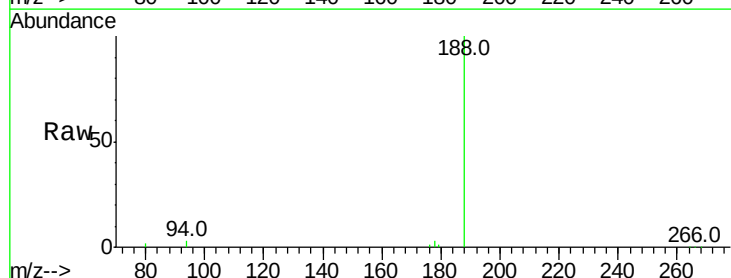
RT: 17.38 min Scan# 2435

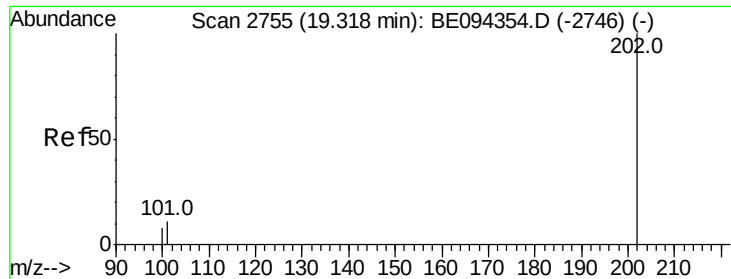
Delta R.T. -0.02 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 31.1  | 18.1  | 27.1# |
| 176     | 27.9  | 14.7  | 22.1# |





#15

Fluoranthene

Concen: 0.394 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

Instrument :

BNA\_E

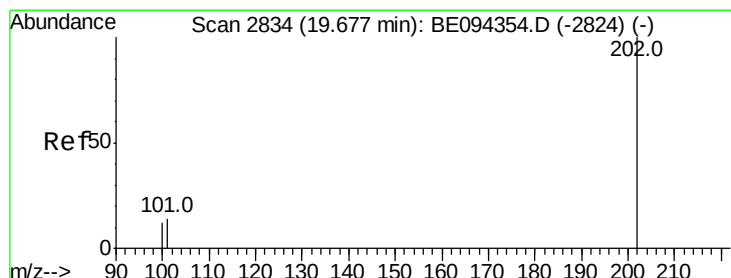
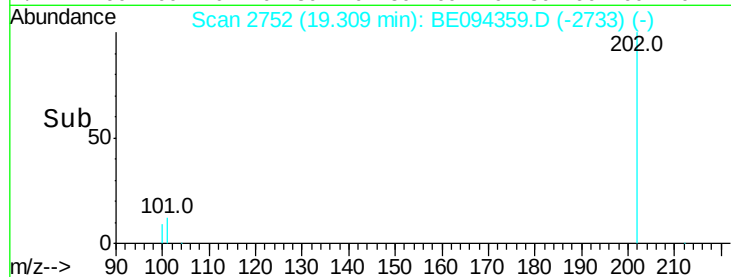
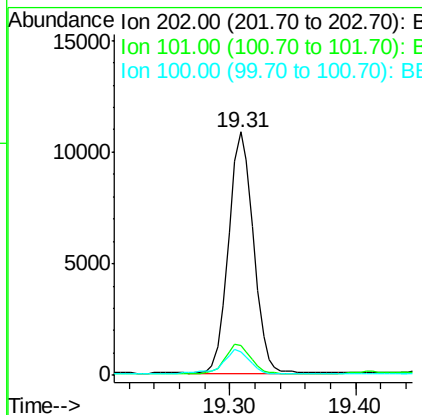
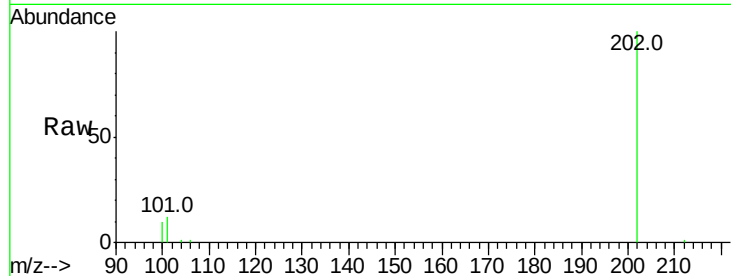
ClientSampleId :

C0AE3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 14797 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.3  | 0.0   | 30.3  |
| 100       | 9.9   | 0.0   | 39.5  |

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#17

Pyrene

Concen: 0.500 ng/ul

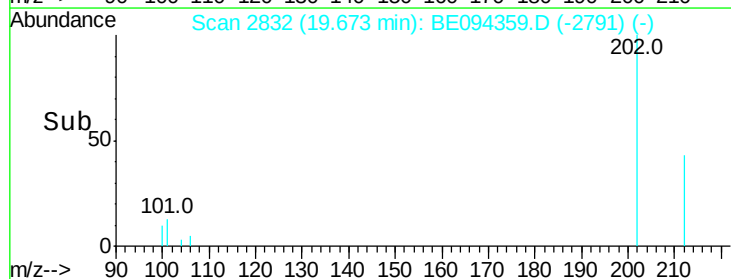
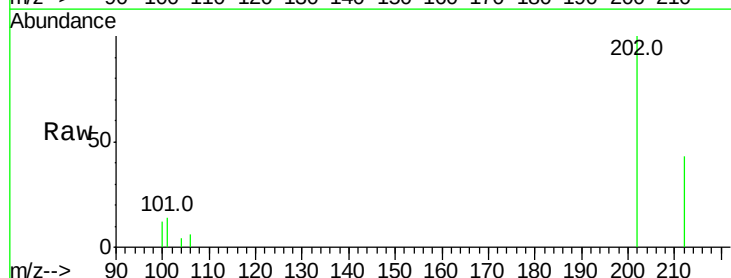
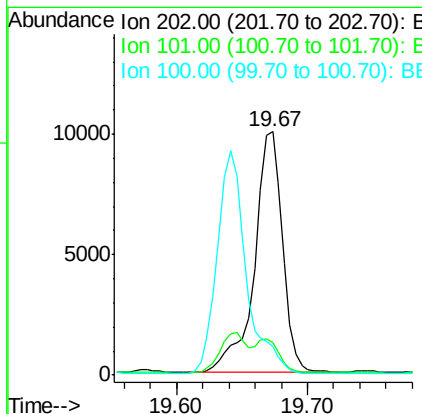
RT: 19.67 min Scan# 2832

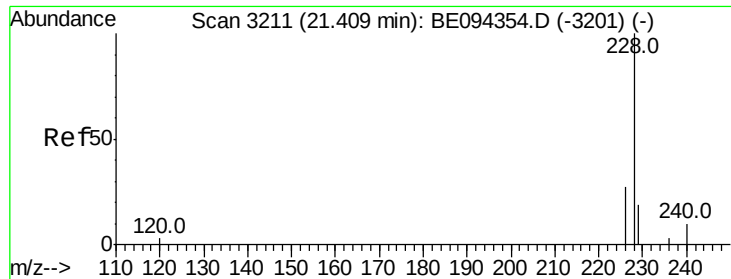
Delta R.T. -0.01 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 15012 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.5  | 18.2  | 27.4# |
| 100       | 11.7  | 15.6  | 23.4# |





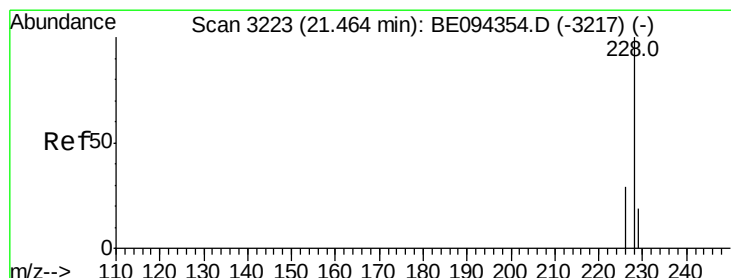
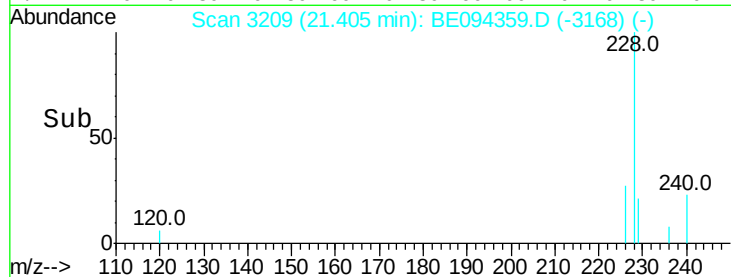
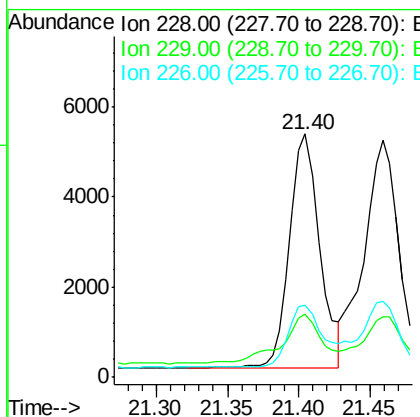
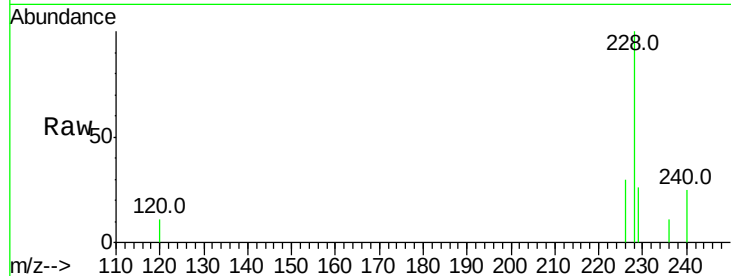
#18  
Benzo(a)anthracene  
Concen: 0.265 ng/ul  
RT: 21.40 min Scan# 3209  
Delta R.T. -0.01 min  
Lab File: BE094359.D  
Acq: 14 Oct 2017 17:32

Instrument :  
BNA\_E  
ClientSampleId :  
C0AE3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 25.8  | 22.8  | 34.2  |
| 226     | 29.8  | 17.0  | 25.6  |

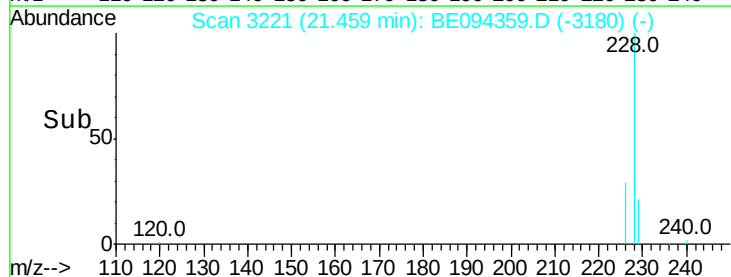
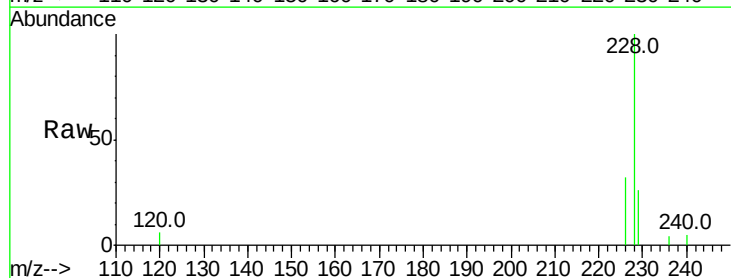
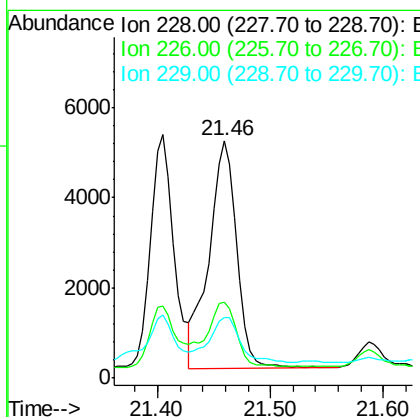
Manual Integrations  
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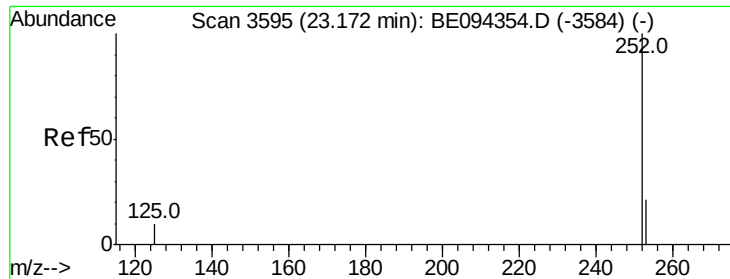
Sohil  
10/16/2017 8:25:06 PM



#19  
Chrysene  
Concen: 0.262 ng/ul  
RT: 21.46 min Scan# 3221  
Delta R.T. -0.01 min  
Lab File: BE094359.D  
Acq: 14 Oct 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.2  | 23.4  | 35.0  |
| 229     | 25.7  | 17.7  | 26.5  |





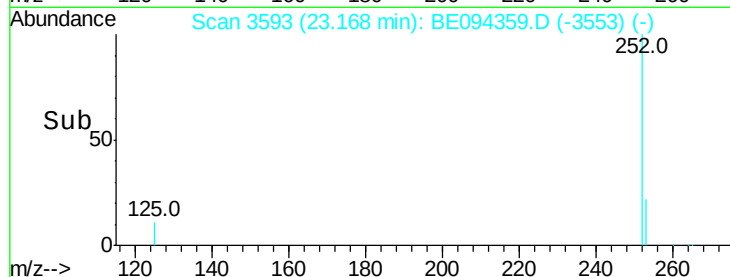
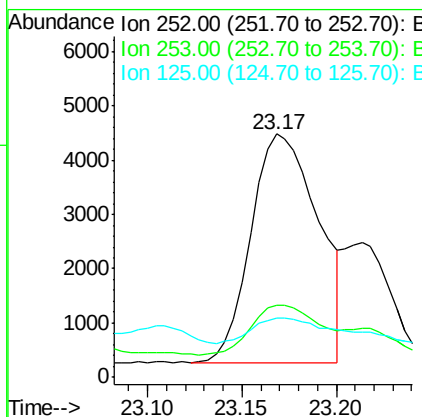
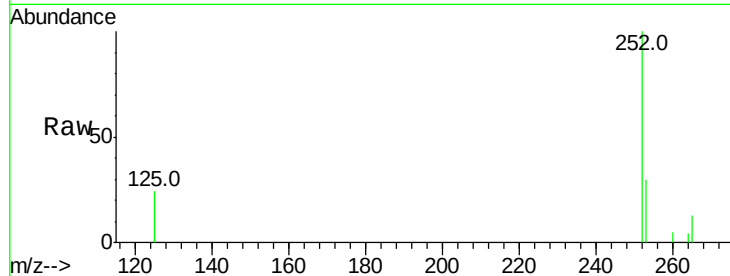
#21  
Benzo(b)fluoranthene  
Concen: 0.392 ng/ul m  
RT: 23.17 min Scan# 3593  
Delta R.T. -0.02 min  
Lab File: BE094359.D  
Acq: 14 Oct 2017 17:32

Instrument :  
BNA\_E  
ClientSampleId :  
C0AE3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.7  | 0.0   | 64.2  |
| 125     | 24.2  | 0.0   | 35.0  |

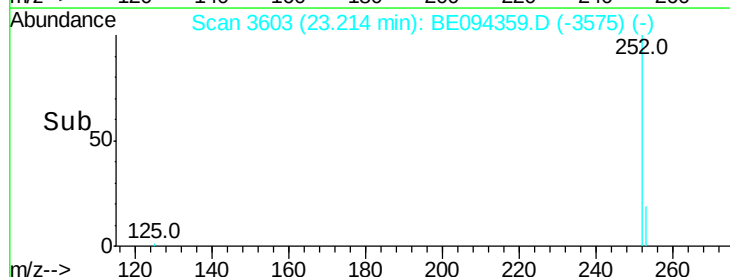
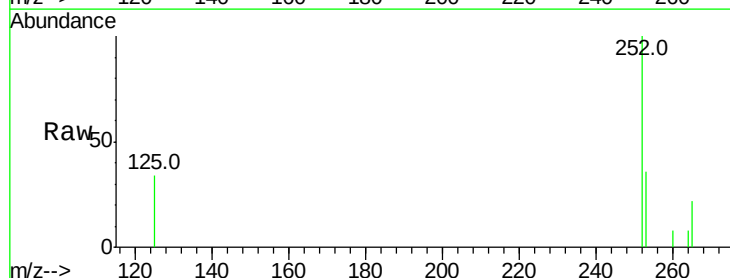
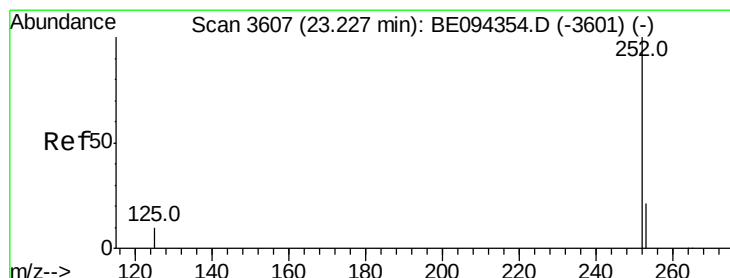
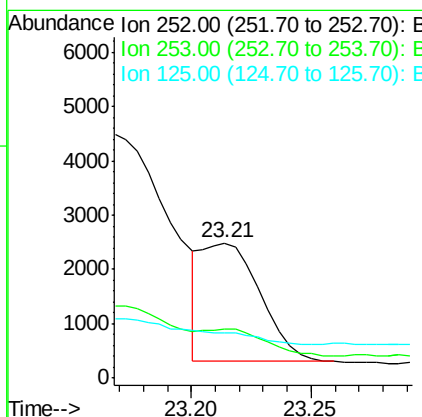
Manual Integrations  
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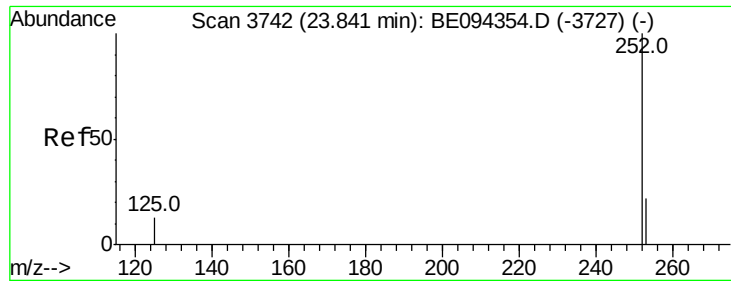


#22  
Benzo(k)fluoranthene  
Concen: 0.121 ng/ul m  
RT: 23.21 min Scan# 3603  
Delta R.T. -0.02 min  
Lab File: BE094359.D  
Acq: 14 Oct 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 36.0  | 24.5  | 36.7  |
| 125     | 33.8  | 13.7  | 20.5  |







#23

Benzo(a)pyrene

Concen: 0.268 ng/ul m

RT: 23.83 min Scan# 3738

Delta R.T. -0.03 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

Instrument :

BNA\_E

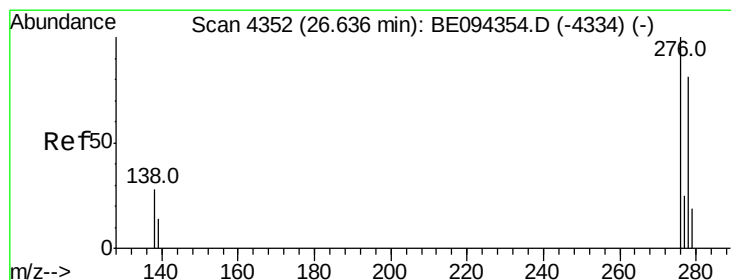
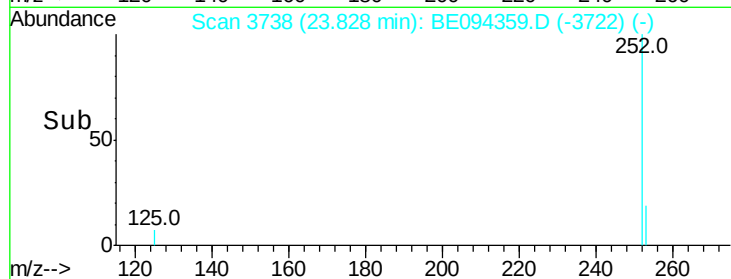
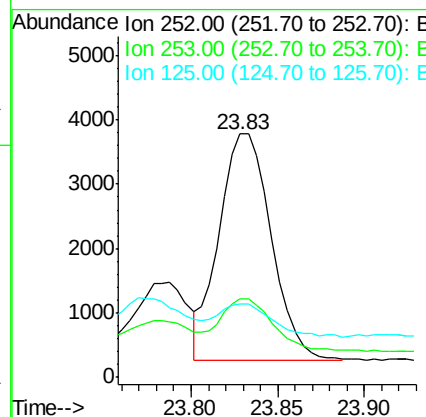
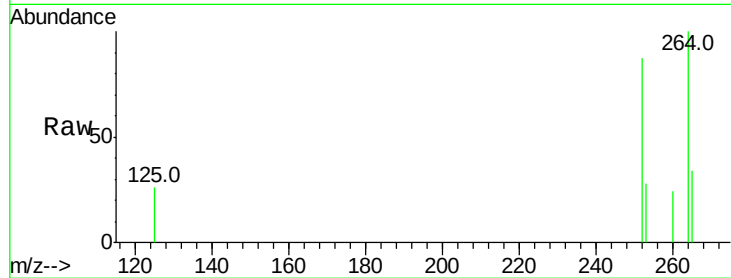
ClientSampleId :

C0AE3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 7418  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.4  | 28.5  | 42.7  |
| 125       | 30.4  | 18.1  | 27.1# |

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:25:06 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.176 ng/ul m

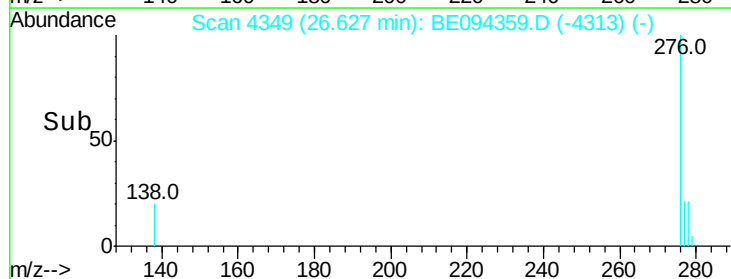
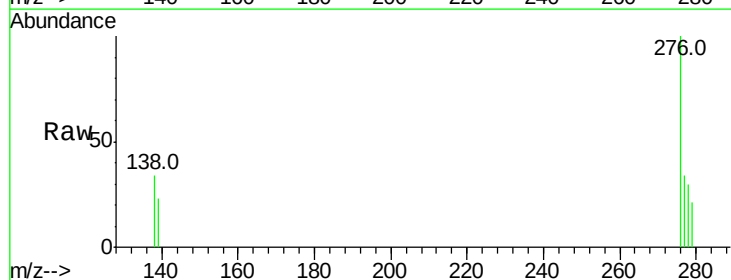
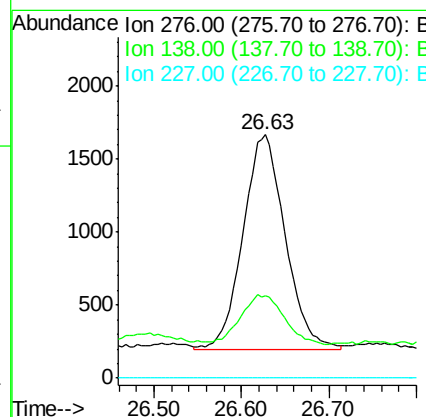
RT: 26.63 min Scan# 4349

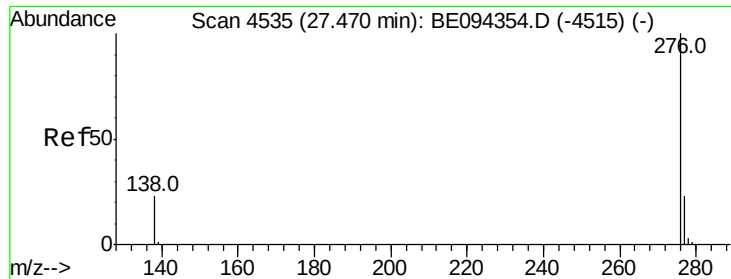
Delta R.T. -0.04 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 4980  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 0.0   | 28.0  | 42.0# |
| 227       | 0.0   | 8.0   | 12.0# |





#26

Benzo(a,h,i)perylene

Concen: 0.199 ng/ul m

RT: 27.46 min Scan# 4532

Delta R.T. -0.04 min

Lab File: BE094359.D

Acq: 14 Oct 2017 17:32

Instrument :

BNA\_E

ClientSampleId :

C0AE3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 4857  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 37.6  | 21.8  | 32.8# |
| 277       | 36.0  | 20.5  | 30.7# |

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:25:06 PM

