

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
 Data File : BE094254.D  
 Acq On : 10 Oct 2017 14:53  
 Operator : SJ/JU  
 Sample : I5522-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD8

Manual Integrations  
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Quant Time: Oct 11 07:15:44 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 06:34:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1744     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.69 | 136  | 9003     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.51 | 164  | 5163     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.24 | 188  | 11038    | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.41 | 240  | 10959    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.92 | 264  | 11016m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 1529     | 0.11   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 7982     | 0.22   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.29 | 178  | 2955     | 0.102  | ng/ul  | 95       |
| 15) Fluoranthene            | 19.30 | 202  | 11085    | 0.292  | ng/ul  | 85       |
| 17) Pyrene                  | 19.66 | 202  | 11354    | 0.372  | ng/ul# | 87       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 5487     | 0.189  | ng/ul# | 88       |
| 19) Chrysene                | 21.45 | 228  | 7465     | 0.222  | ng/ul  | 92       |
| 21) Benzo(b)fluoranthene    | 23.15 | 252  | 9375     | 0.313  | ng/ul  | 91       |
| 22) Benzo(k)fluoranthene    | 23.20 | 252  | 3614m    | 0.104  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.81 | 252  | 6196m    | 0.199  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.58 | 276  | 4607m    | 0.145  | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 26.58 | 278  | 1105m    | 0.041  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 27.41 | 276  | 4480m    | 0.163  | ng/ul  |          |

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

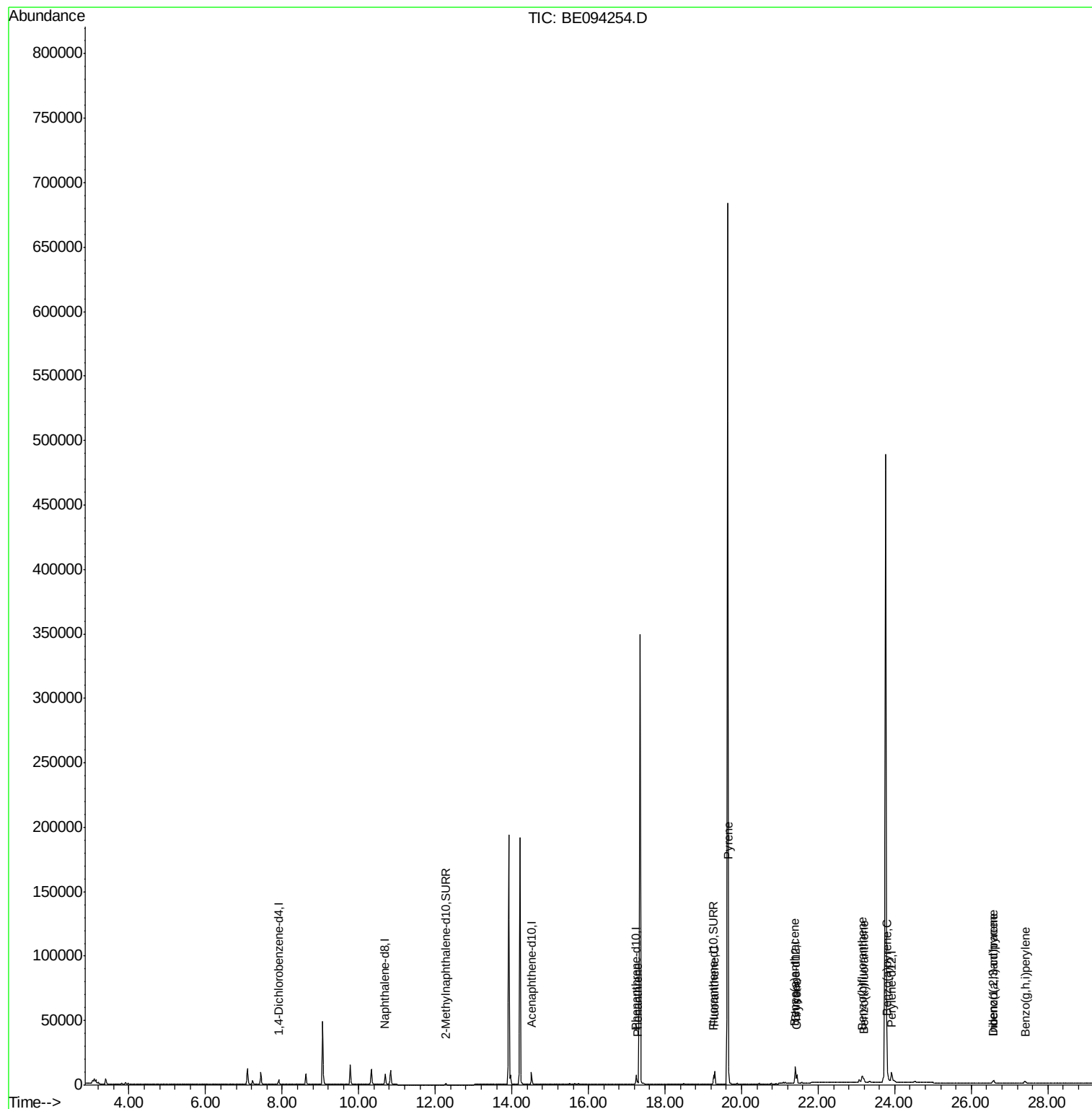
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\  
Data File : BE094254.D  
Acq On : 10 Oct 2017 14:53  
Operator : SJ/JU  
Sample : I5522-09  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

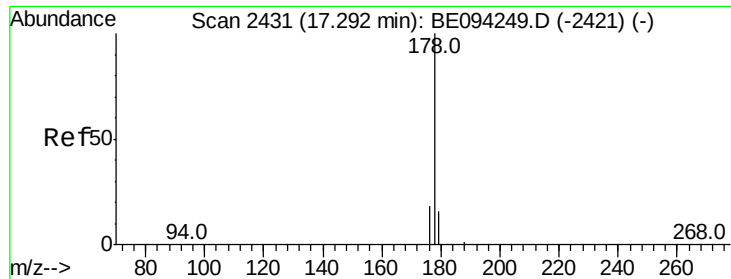
Instrument :  
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ClientSampleId :  
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Quant Time: Oct 11 07:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 11 06:34:16 2017  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.102 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094254.D

Acq: 10 Oct 2017 14:53

Instrument :

BNA\_E

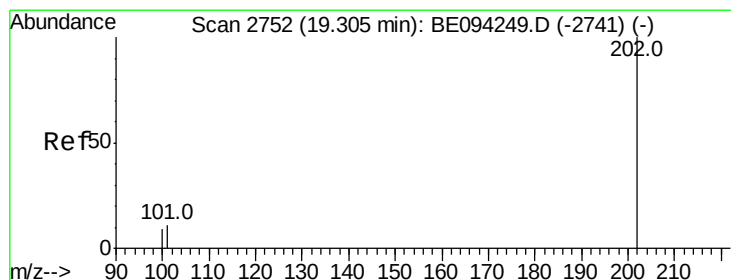
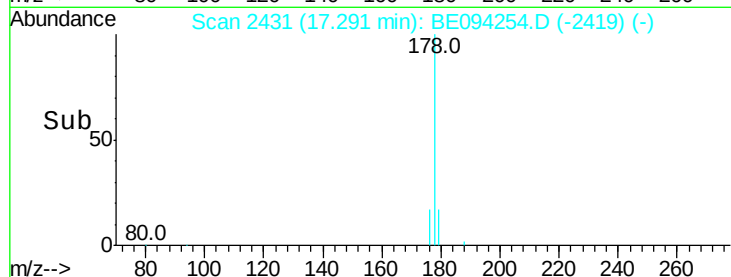
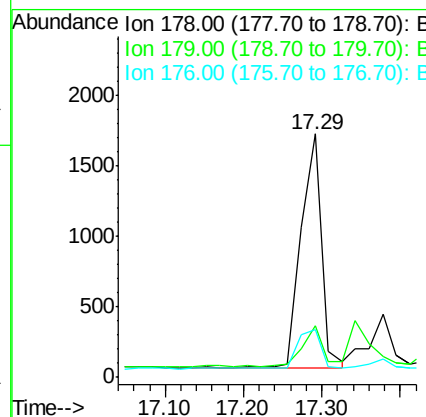
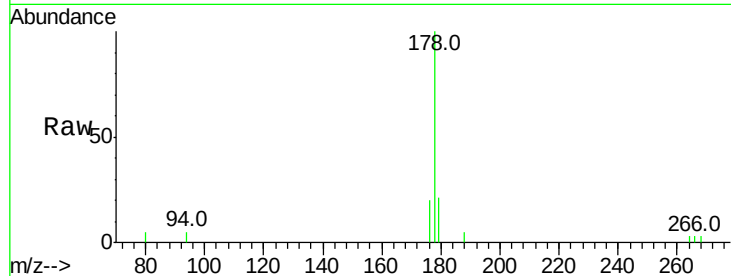
ClientSampleId :

C0AD8

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 2955      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 20.9  | 18.4 27.6 |
| 176         | 19.7  | 13.6 20.4 |

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#15

Fluoranthene

Concen: 0.292 ng/ul

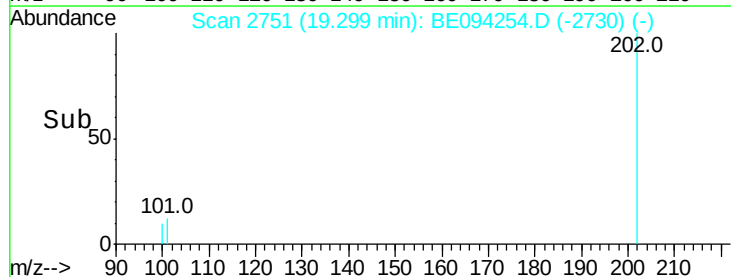
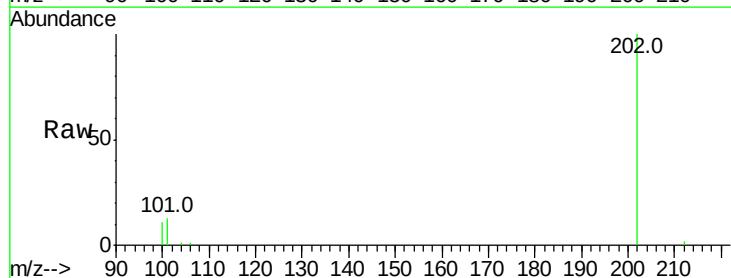
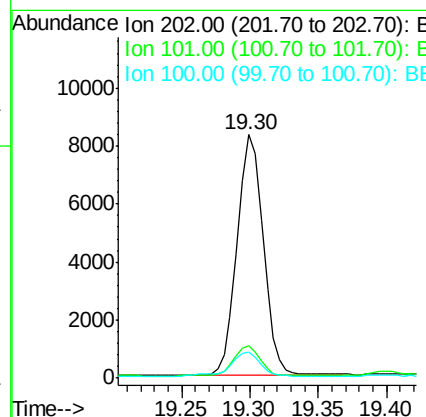
RT: 19.30 min Scan# 2751

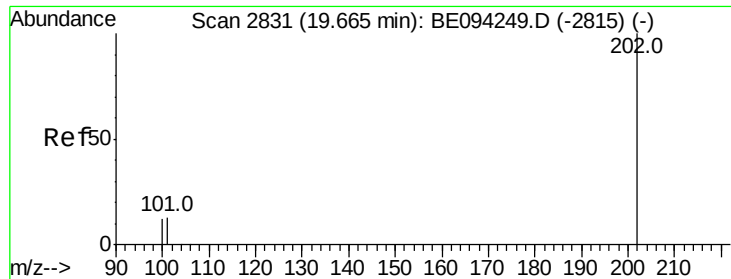
Delta R.T. -0.01 min

Lab File: BE094254.D

Acq: 10 Oct 2017 14:53

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 11085    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 13.1  | 0.0 30.3 |
| 100         | 10.6  | 0.0 39.5 |





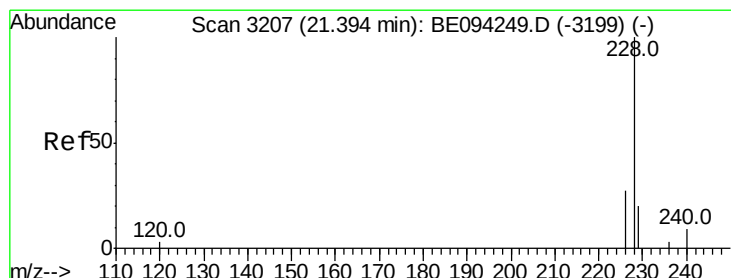
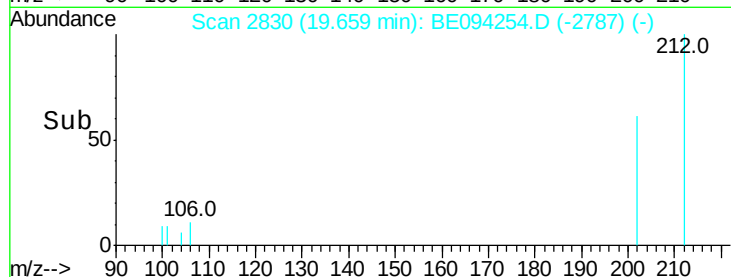
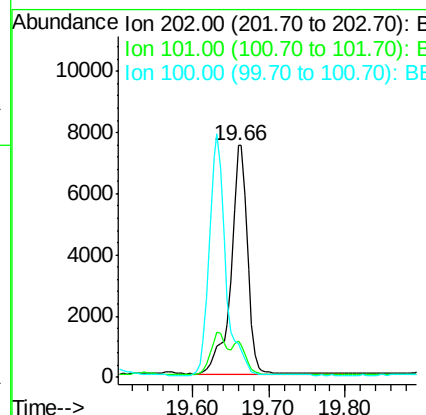
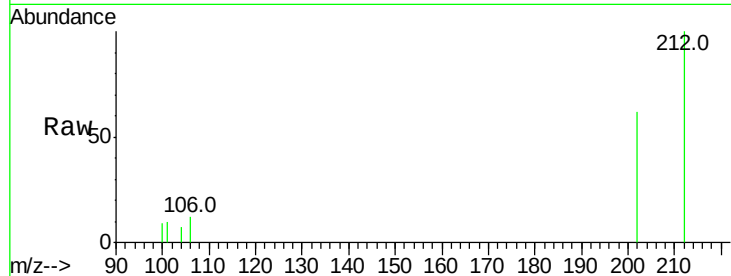
#17  
Pvrene  
Concen: 0.372 ng/ul  
RT: 19.66 min Scan# 2830  
Delta R.T. -0.01 min  
Lab File: BE094254.D  
Acq: 10 Oct 2017 14:53

Instrument :  
BNA\_E  
ClientSampled :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.7  | 18.2  | 27.4# |
| 100     | 14.8  | 15.6  | 23.4# |

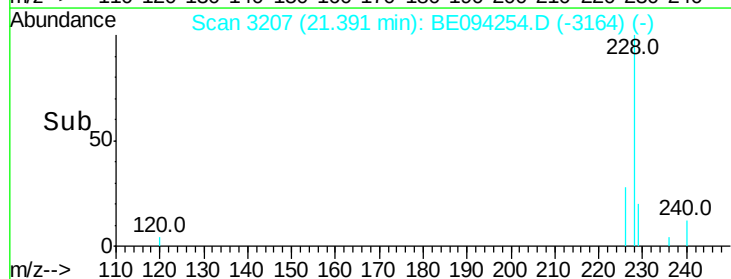
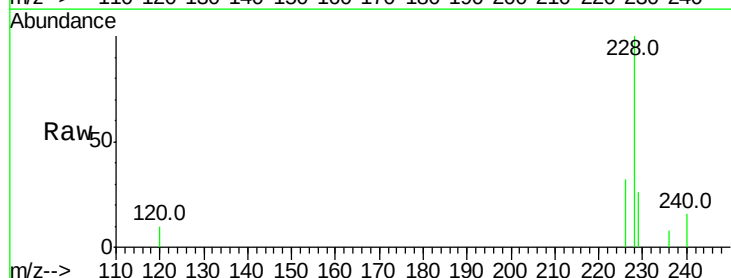
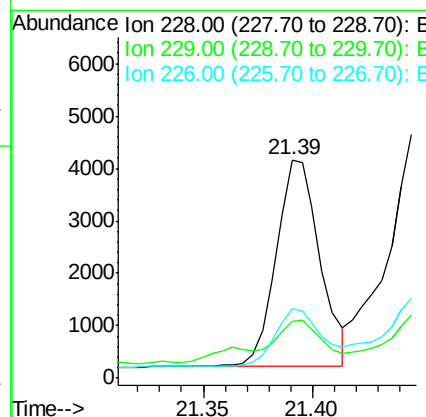
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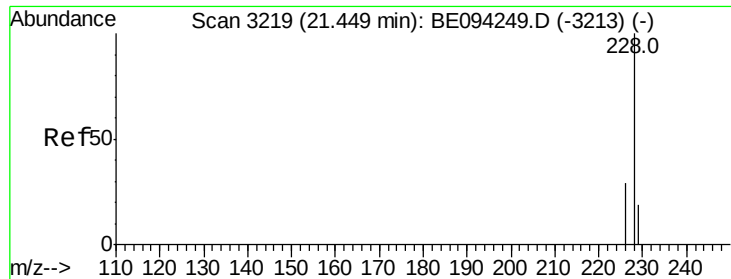
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#18  
Benzo(a)anthracene  
Concen: 0.189 ng/ul  
RT: 21.39 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: BE094254.D  
Acq: 10 Oct 2017 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 26.2  | 22.8  | 34.2  |
| 226     | 31.7  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.222 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094254.D

Acq: 10 Oct 2017 14:53

Instrument :

BNA\_E

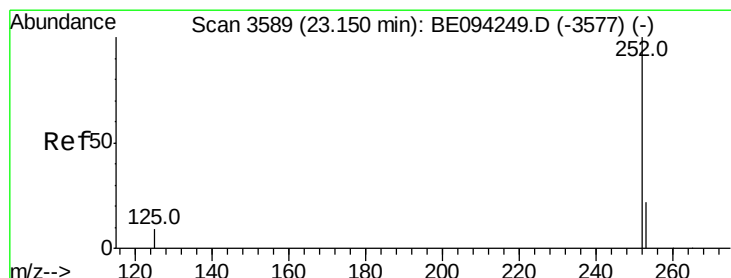
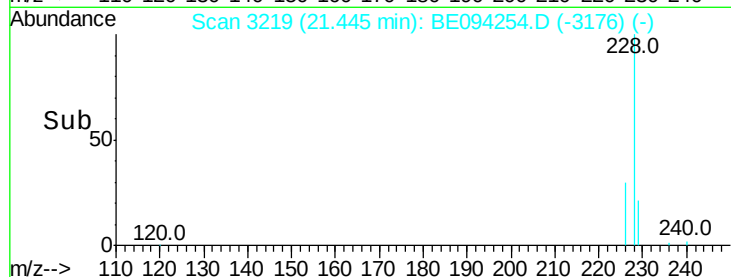
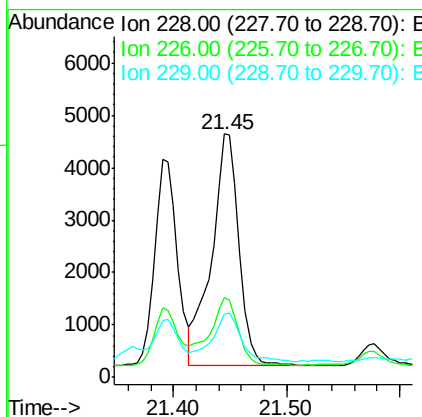
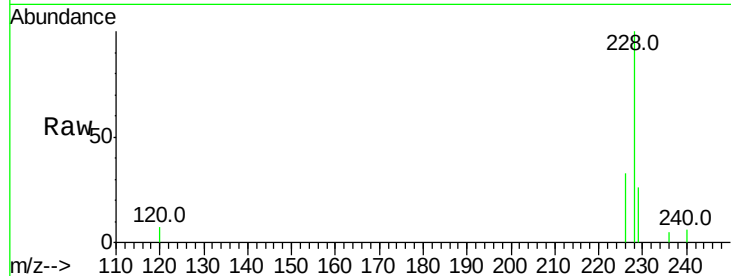
ClientSampleId :

C0AD8

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 7465 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.9  | 23.4  | 35.0 |
| 229       | 26.2  | 17.7  | 26.5 |

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#21

Benzo(b)fluoranthene

Concen: 0.313 ng/ul

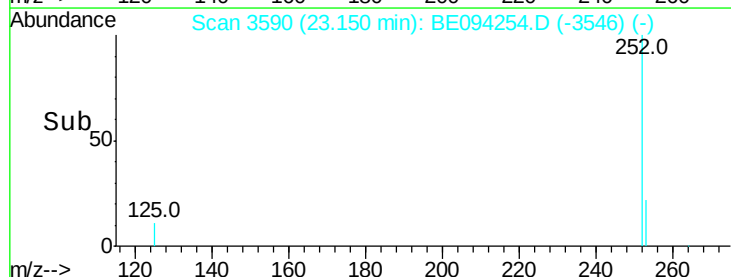
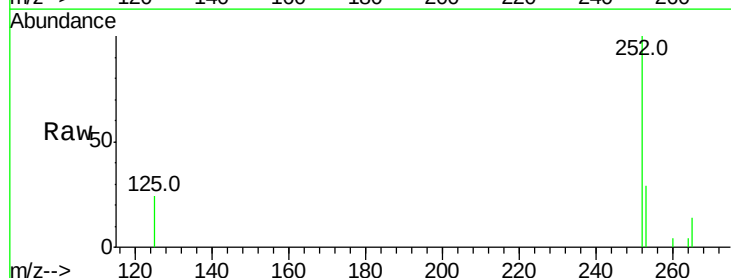
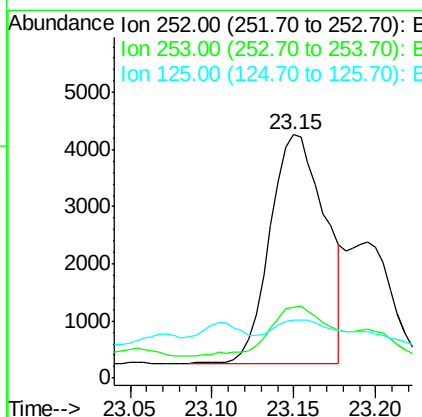
RT: 23.15 min Scan# 3590

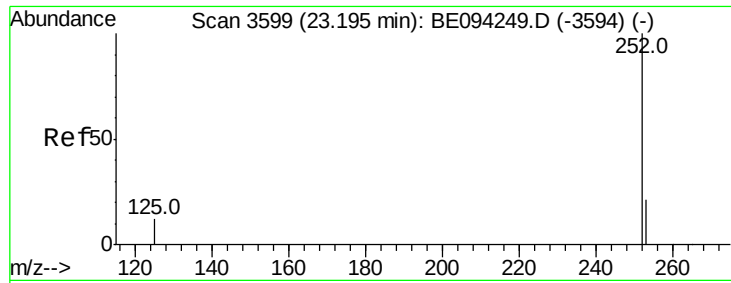
Delta R.T. -0.00 min

Lab File: BE094254.D

Acq: 10 Oct 2017 14:53

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 9375 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 29.1  | 0.0   | 64.2 |
| 125       | 23.9  | 0.0   | 35.0 |





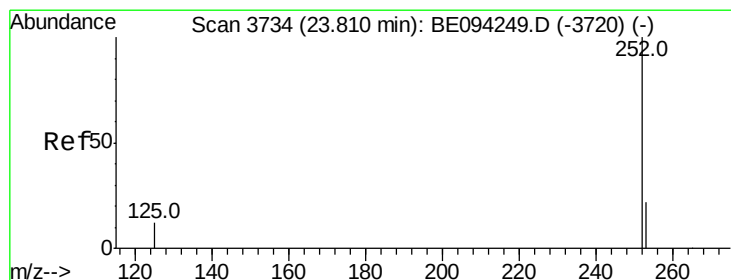
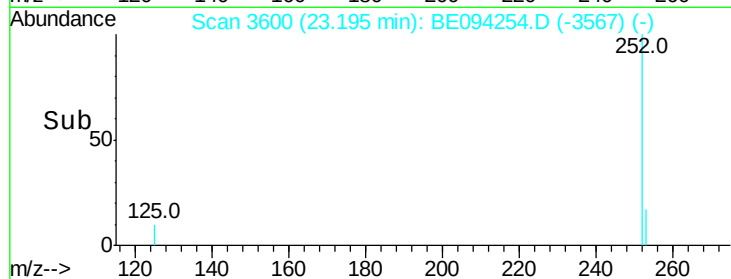
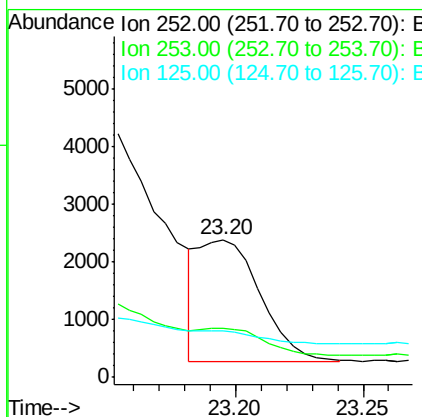
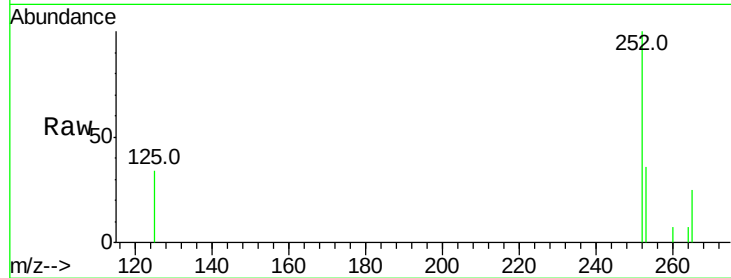
#22  
Benzo(k)fluoranthene  
Concen: 0.104 ng/ul m  
RT: 23.20 min Scan# 3600  
Delta R.T. -0.00 min  
Lab File: BE094254.D  
Acq: 10 Oct 2017 14:53

Instrument :  
BNA\_E  
ClientSampled :  
C0AD8

Tot Ion:252 Resp: 3614  
Ion Ratio Lower Upper  
252 100  
253 35.9 24.5 36.7  
125 33.8 13.7 20.5#

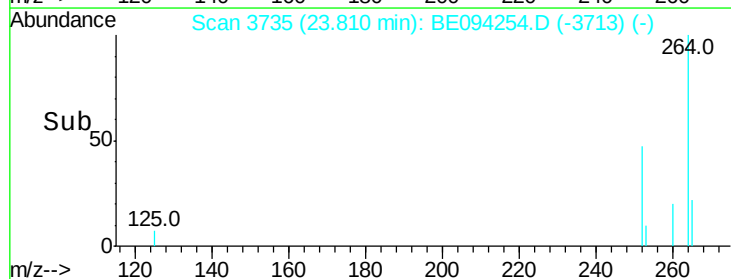
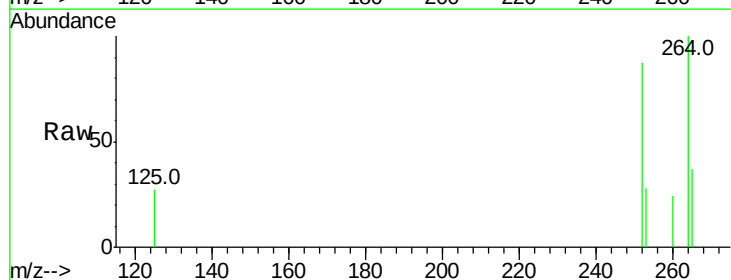
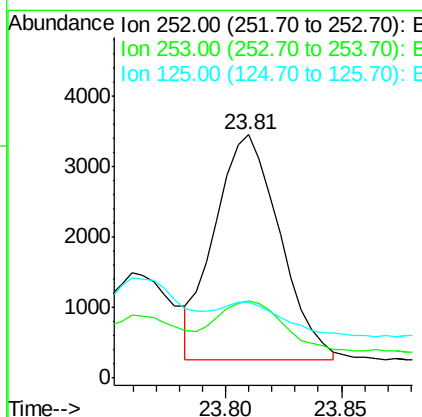
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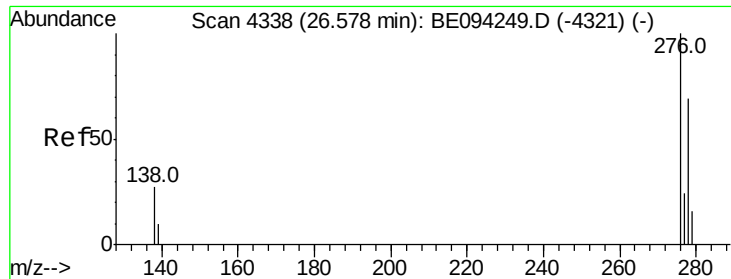
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#23  
Benzo(a)pyrene  
Concen: 0.199 ng/ul m  
RT: 23.81 min Scan# 3735  
Delta R.T. -0.00 min  
Lab File: BE094254.D  
Acq: 10 Oct 2017 14:53

Tgt Ion:252 Resp: 6196  
Ion Ratio Lower Upper  
252 100  
253 32.0 28.5 42.7  
125 31.4 18.1 27.1#





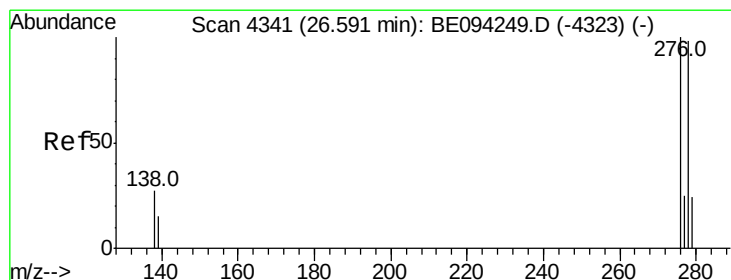
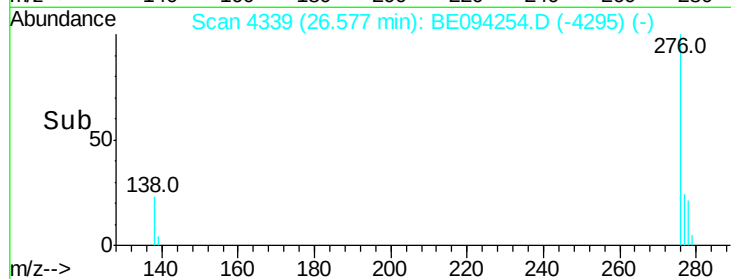
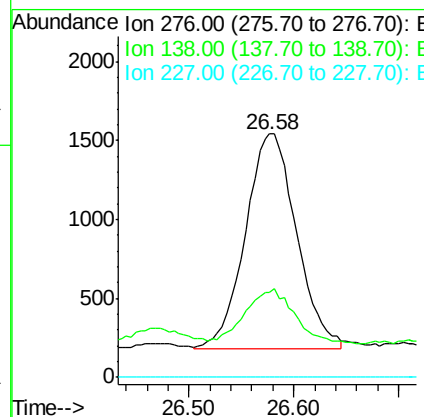
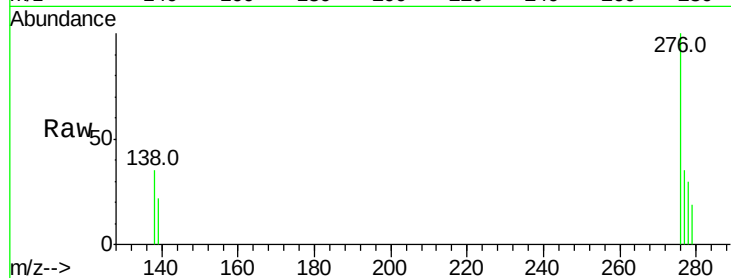
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.145 ng/ul m  
 RT: 26.58 min Scan# 4339  
 Delta R.T. -0.00 min  
 Lab File: BE094254.D  
 Acq: 10 Oct 2017 14:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 1.3   | 28.0  | 42.0# |
| 227     | 0.0   | 8.0   | 12.0# |

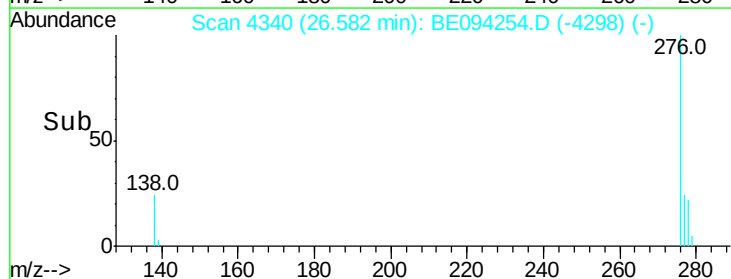
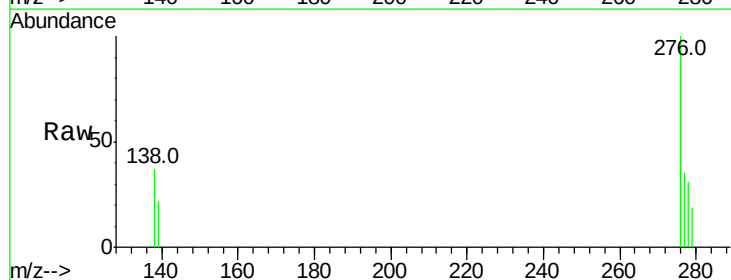
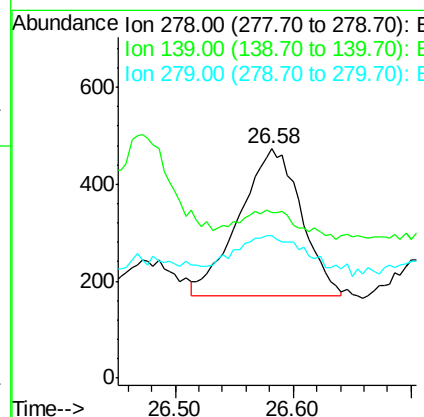
Manual Integrations  
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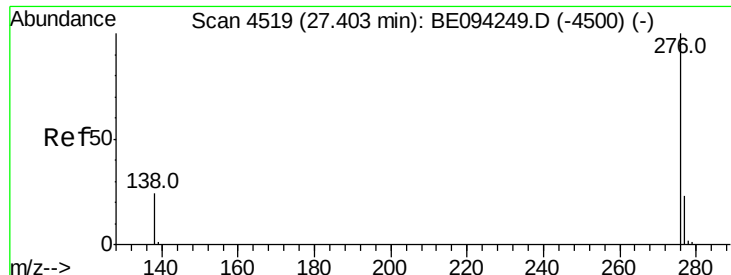
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#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.041 ng/ul m  
 RT: 26.58 min Scan# 4340  
 Delta R.T. -0.01 min  
 Lab File: BE094254.D  
 Acq: 10 Oct 2017 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 72.1  | 17.4  | 26.0# |
| 279     | 62.2  | 25.9  | 38.9# |





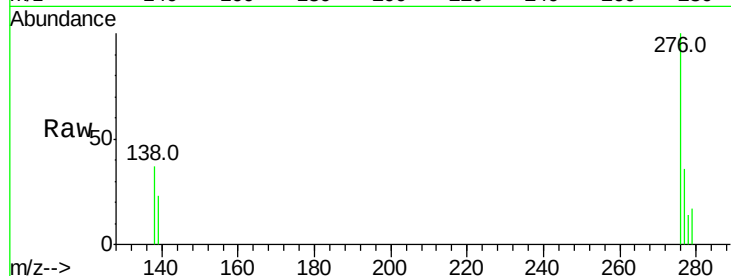
#26  
 Benzo(a,h,i)perylene  
 Concen: 0.163 ng/ul m  
 RT: 27.41 min Scan# 4521  
 Delta R.T. 0.00 min  
 Lab File: BE094254.D  
 Acq: 10 Oct 2017 14:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 36.6  | 21.8  | 32.8# |
| 277     | 36.0  | 20.5  | 30.7# |

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Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

