

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\  
 Data File : BE094847.D  
 Acq On : 23 Nov 2017 00:14  
 Operator : SJ/JU  
 Sample : I6496-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AB7

Manual Integrations  
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 11/27/2017 3:26:02 PM

Quant Time: Nov 23 03:17:08 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 23 02:50:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.89  | 152  | 736      | 0.40 | ng/ul | -0.04    |
| 2) Naphthalene-d8         | 10.68 | 136  | 4946     | 0.40 | ng/ul | -0.03    |
| 6) Acenaphthene-d10       | 14.50 | 164  | 3604     | 0.40 | ng/ul | -0.01    |
| 10) Phenanthrene-d10      | 17.24 | 188  | 8248     | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.42 | 240  | 8581     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.96 | 264  | 8839     | 0.40 | ng/ul | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 1743     | 0.22 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.27 | 212  | 7036     | 0.25 | ng/ul | -0.01    |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 7) Acenaphthylene          | 14.22 | 152  | 664      | 0.040 | ng/ul# | 74     |
| 12) Phenanthrene           | 17.27 | 178  | 4457     | 0.201 | ng/ul# | 91     |
| 13) Anthracene             | 17.36 | 178  | 1130     | 0.050 | ng/ul# | 81     |
| 15) Fluoranthene           | 19.30 | 202  | 14482    | 0.498 | ng/ul  | 83     |
| 17) Pyrene                 | 19.66 | 202  | 14669    | 0.546 | ng/ul# | 80     |
| 18) Benzo(a)anthracene     | 21.40 | 228  | 8961     | 0.343 | ng/ul# | 86     |
| 19) Chrysene               | 21.46 | 228  | 8714     | 0.335 | ng/ul  | 97     |
| 21) Benzo(b)fluoranthene   | 23.17 | 252  | 10485m   | 0.398 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 23.22 | 252  | 3740m    | 0.134 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.83 | 252  | 6838     | 0.261 | ng/ul# | 87     |
| 24) Indeno(1,2,3-cd)pyrene | 26.66 | 276  | 4120     | 0.144 | ng/ul# | 73     |
| 25) Dibenzo(a,h)anthracene | 26.65 | 278  | 1182     | 0.049 | ng/ul# | 61     |
| 26) Benzo(g,h,i)perylene   | 27.50 | 276  | 3780     | 0.158 | ng/ul  | 93     |

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

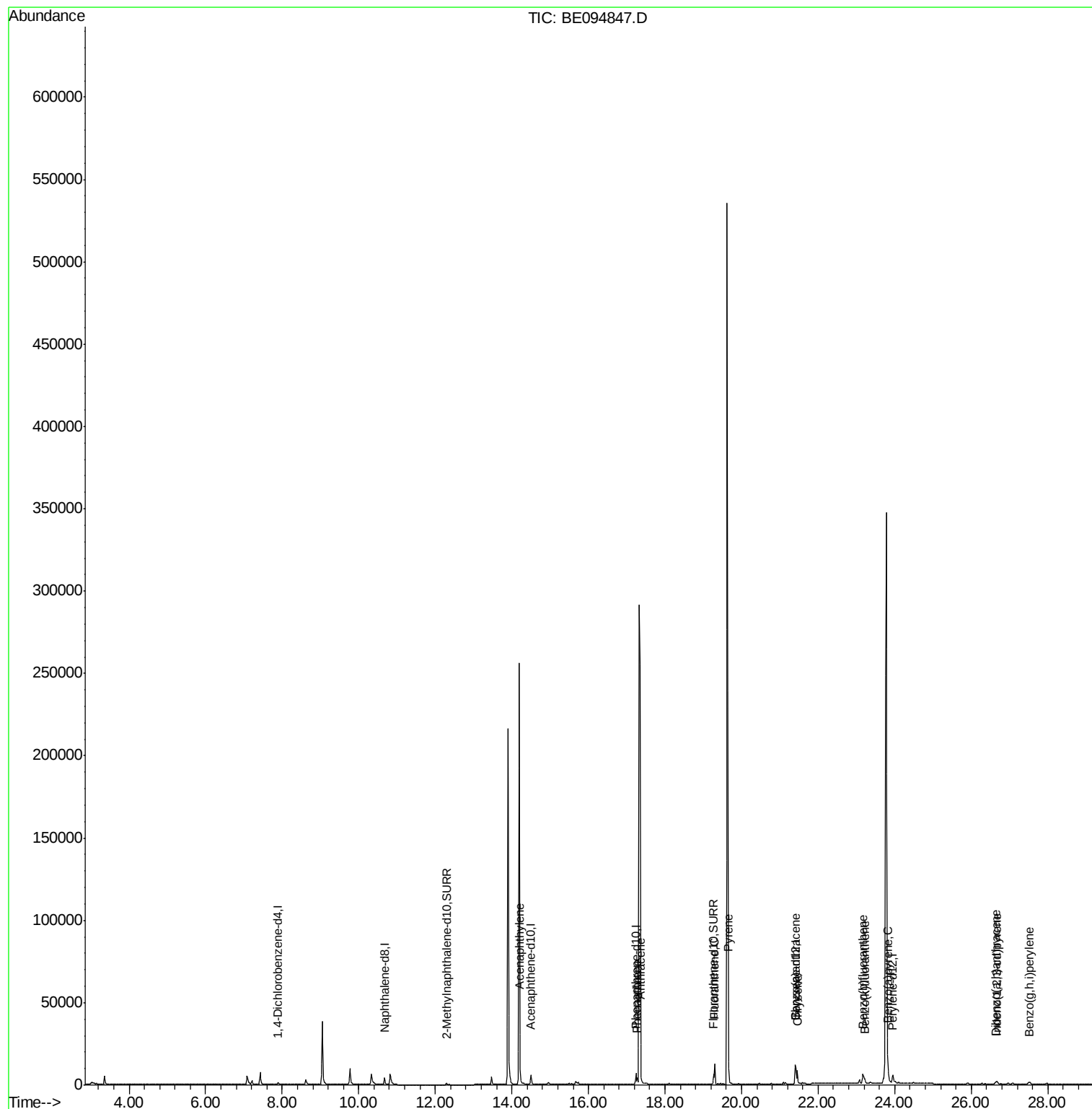
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\  
Data File : BE094847.D  
Acq On : 23 Nov 2017 00:14  
Operator : SJ/JU  
Sample : I6496-07  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

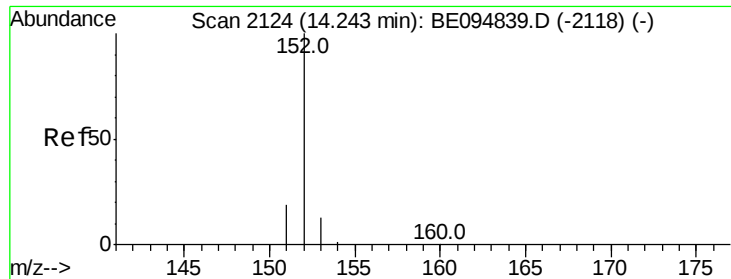
Instrument :  
BNA\_E  
ClientSampleId :  
C0AB7

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Quant Time: Nov 23 03:17:08 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 23 02:50:08 2017  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 14.22 min Scan# 2121

Delta R.T. -0.02 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

Instrument :

BNA\_E

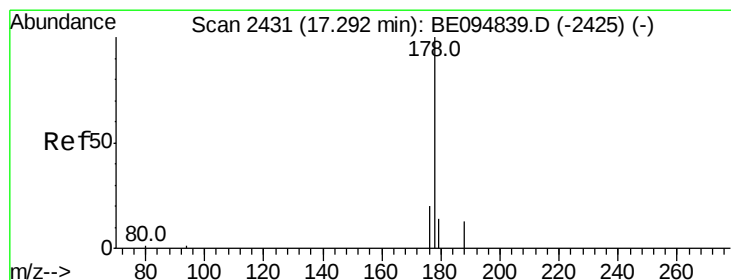
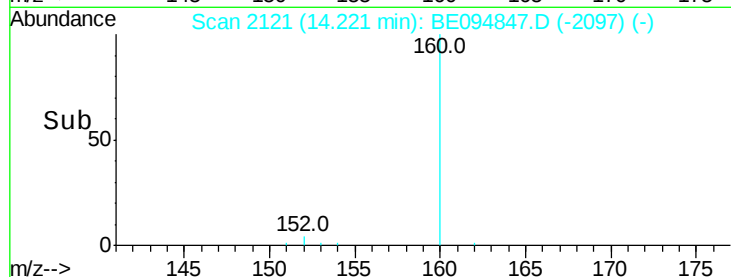
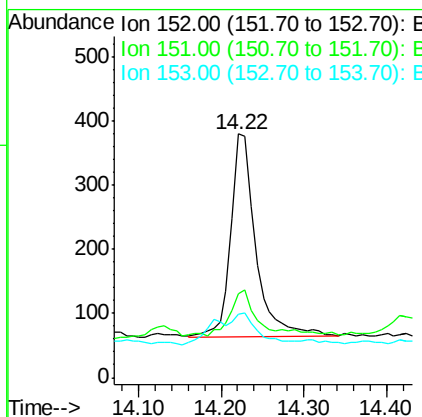
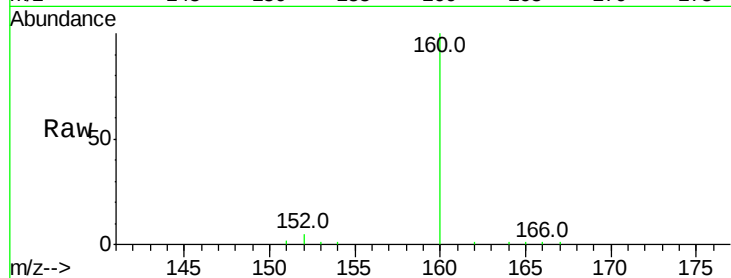
ClientSampled :

C0AB7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 664   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 34.6  | 17.1  | 25.7# |
| 153       | 25.9  | 12.8  | 19.2# |

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#12

Phenanthrene

Concen: 0.201 ng/ul

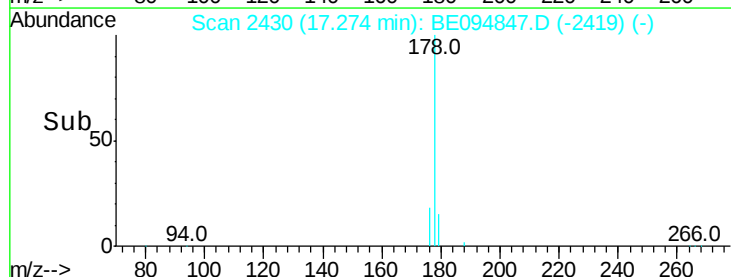
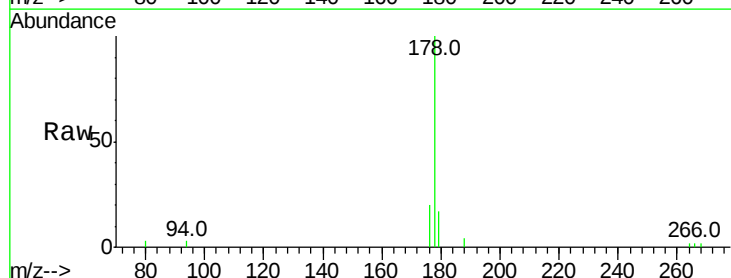
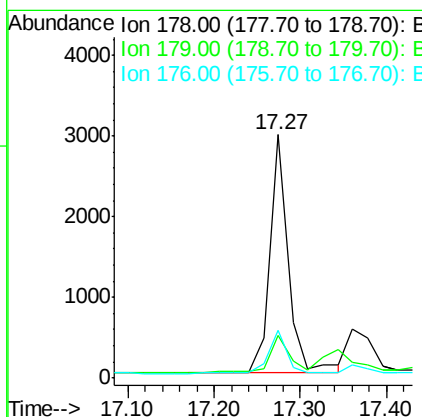
RT: 17.27 min Scan# 2430

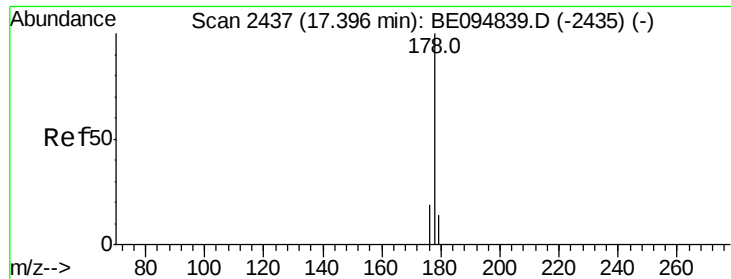
Delta R.T. -0.02 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 4457  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 17.3  | 18.4  | 27.6# |
| 176       | 19.7  | 13.6  | 20.4  |





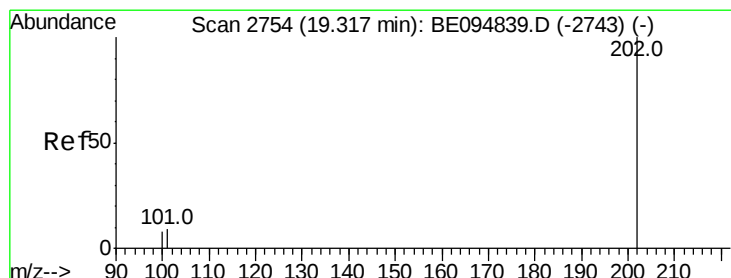
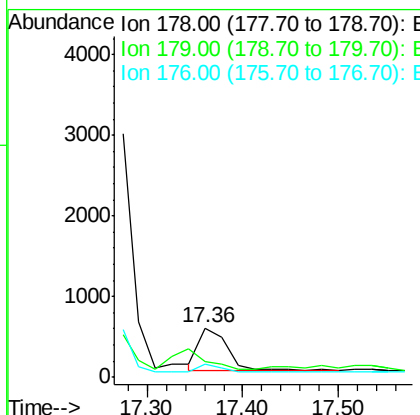
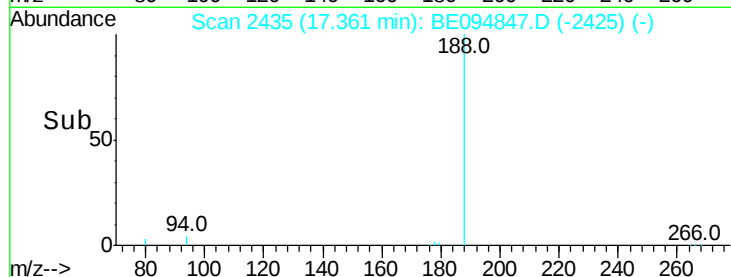
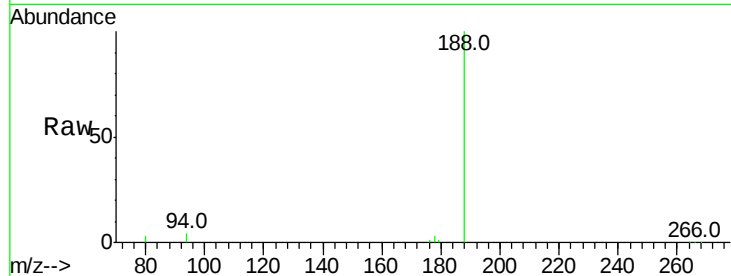
#13  
 Anthracene  
 Concen: 0.050 ng/ul  
 RT: 17.36 min Scan# 2435  
 Delta R.T. -0.03 min  
 Lab File: BE094847.D  
 Acq: 23 Nov 2017 00:14

Instrument :  
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 ClientSampleId :  
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Tot Ion:178 Resp: 1130  
 Ion Ratio Lower Upper  
 178 100  
 179 31.3 18.1 27.1#  
 176 27.4 14.7 22.1#

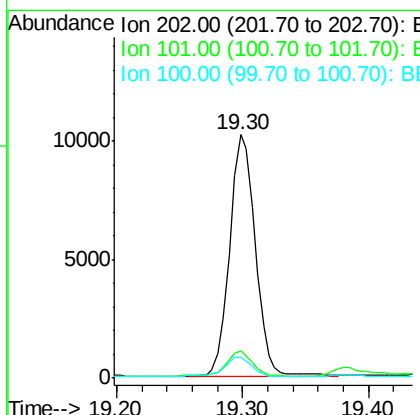
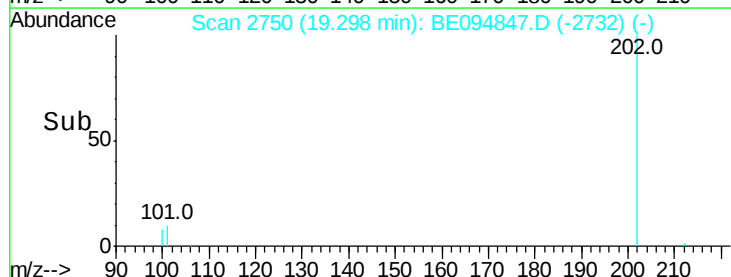
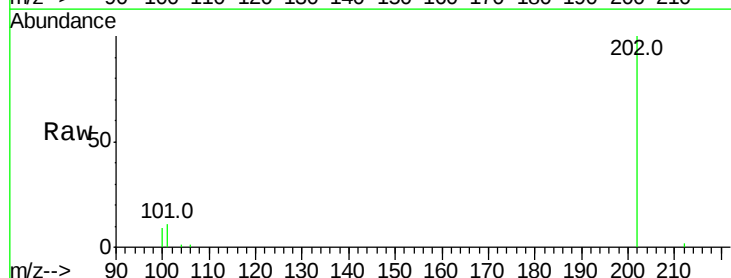
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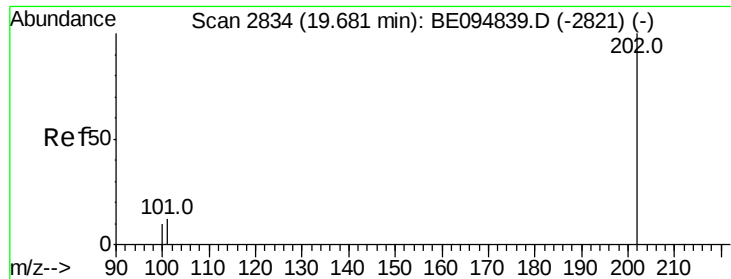
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#15  
 Fluoranthene  
 Concen: 0.498 ng/ul  
 RT: 19.30 min Scan# 2750  
 Delta R.T. -0.02 min  
 Lab File: BE094847.D  
 Acq: 23 Nov 2017 00:14

Tgt Ion:202 Resp: 14482  
 Ion Ratio Lower Upper  
 202 100  
 101 11.1 0.0 30.3  
 100 8.5 0.0 39.5





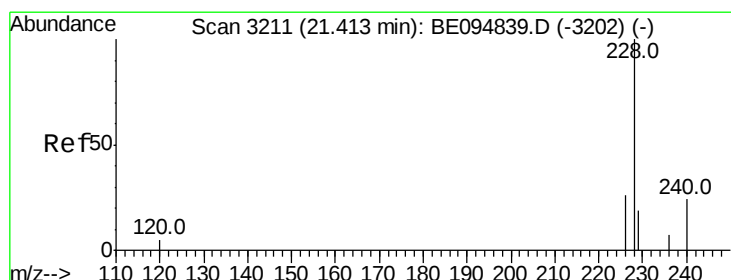
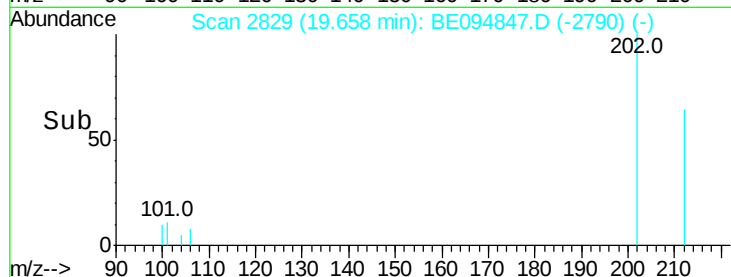
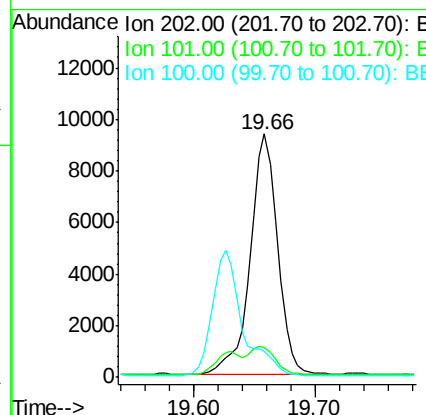
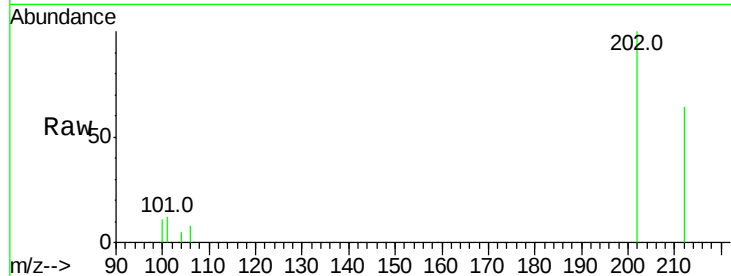
#17  
Pvrene  
Concen: 0.546 ng/ul  
RT: 19.66 min Scan# 2829  
Delta R.T. -0.02 min  
Lab File: BE094847.D  
Acq: 23 Nov 2017 00:14

Instrument :  
BNA\_E  
ClientSampleId :  
C0AB7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 18.2  | 27.4# |
| 100     | 10.7  | 15.6  | 23.4# |

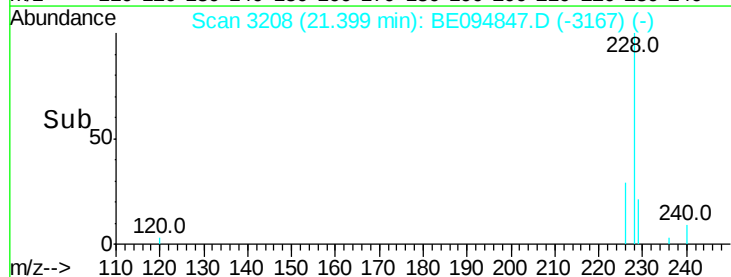
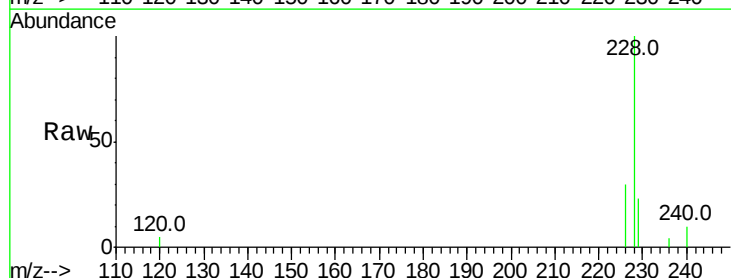
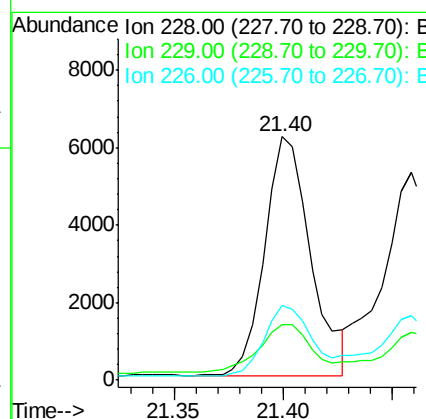
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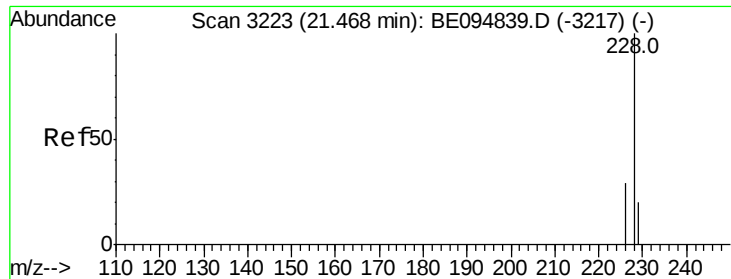
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#18  
Benzo(a)anthracene  
Concen: 0.343 ng/ul  
RT: 21.40 min Scan# 3208  
Delta R.T. -0.01 min  
Lab File: BE094847.D  
Acq: 23 Nov 2017 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.9  | 22.8  | 34.2  |
| 226     | 30.5  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.335 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

Instrument :

BNA\_E

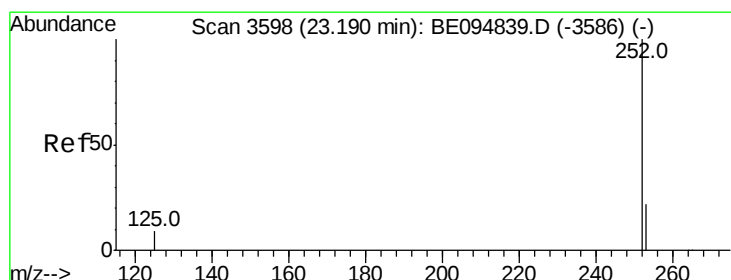
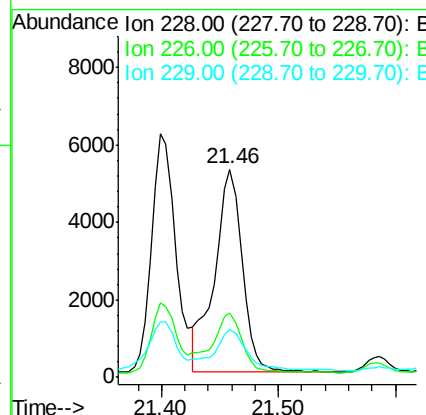
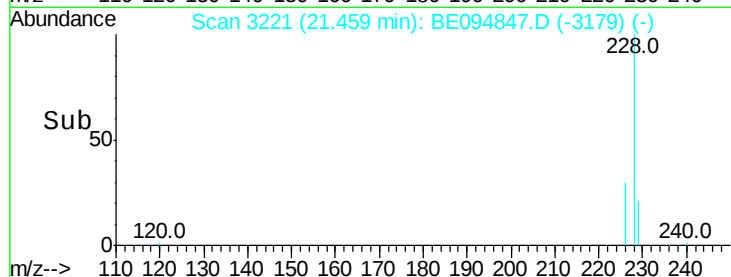
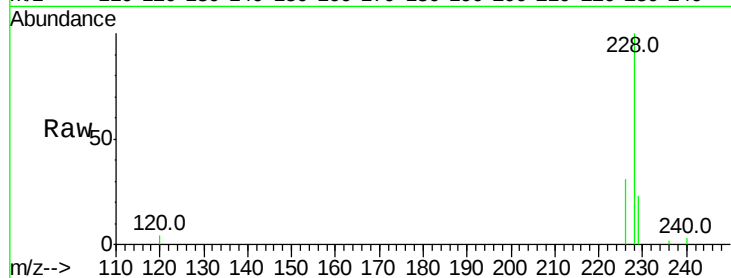
ClientSampleId :

C0AB7

|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 8714  |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 31.0    | 23.4  | 35.0  |
| 229 23.3    | 17.7  | 26.5  |

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#21

Benzo(b)fluoranthene

Concen: 0.398 ng/ul m

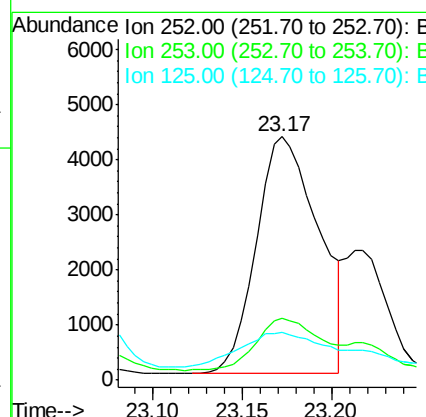
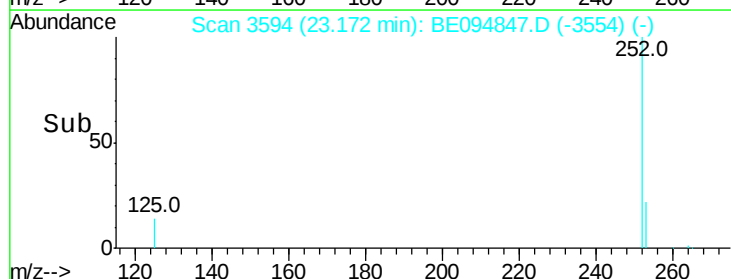
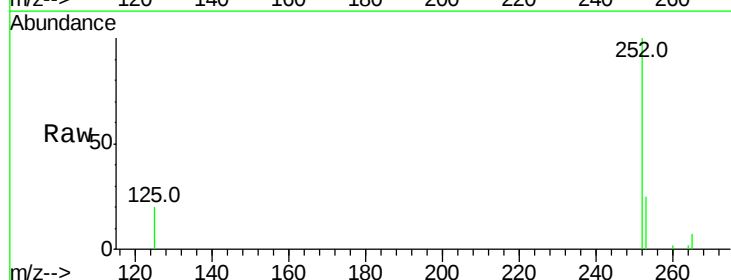
RT: 23.17 min Scan# 3594

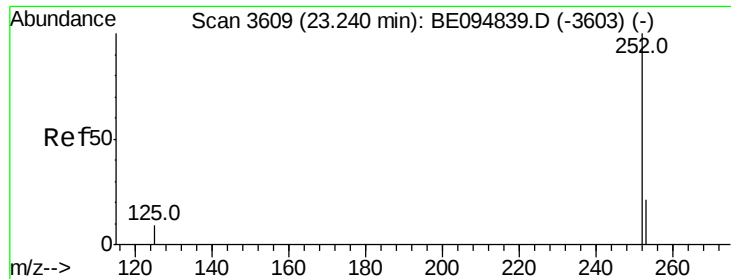
Delta R.T. -0.02 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:252 | Resp: | 10485 |
| Ion Ratio   | Lower | Upper |
| 252 100     |       |       |
| 253 25.3    | 0.0   | 64.2  |
| 125 19.7    | 0.0   | 35.0  |





#22

Benzo(k)fluoranthene

Concen: 0.134 ng/ul m

RT: 23.22 min Scan# 3604

Delta R.T. -0.02 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

Instrument :

BNA\_E

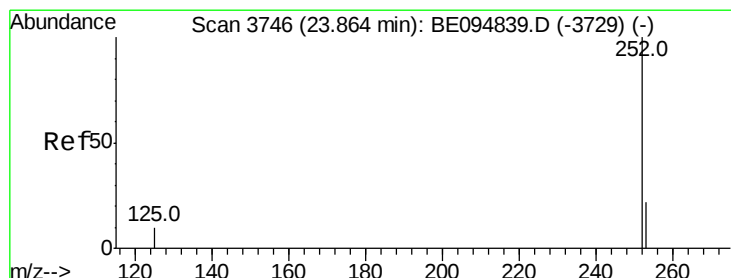
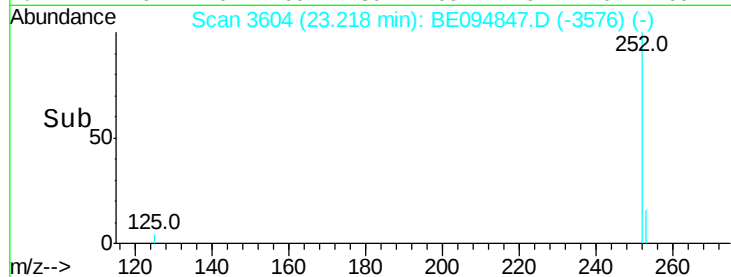
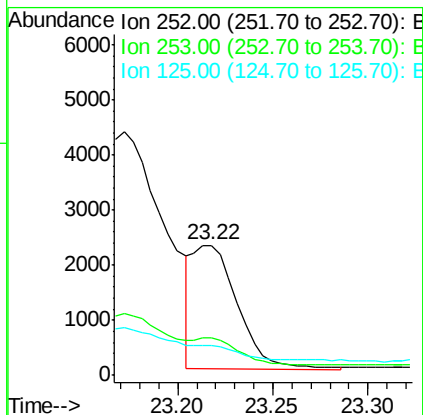
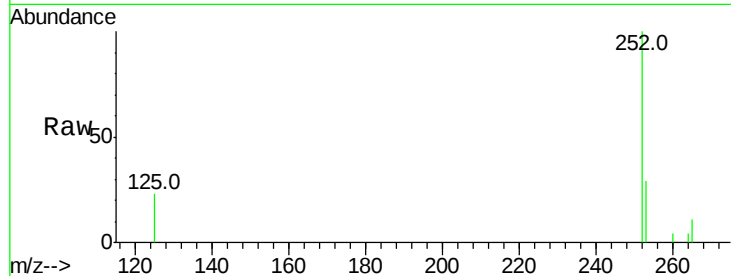
ClientSampleId :

C0AB7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 3740  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.8  | 24.5  | 36.7  |
| 125       | 23.2  | 13.7  | 20.5# |

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#23

Benzo(a)pyrene

Concen: 0.261 ng/ul

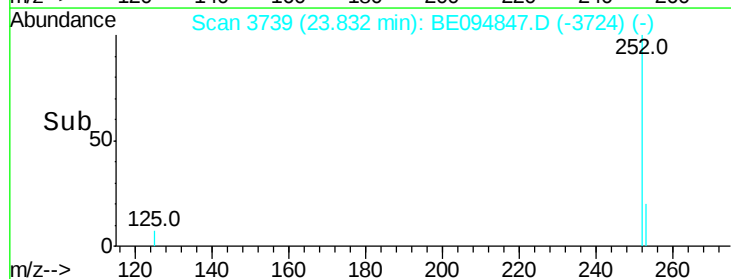
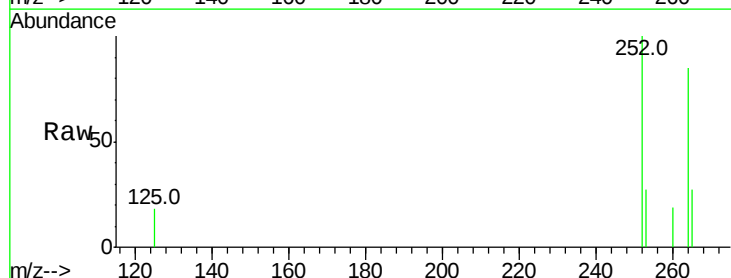
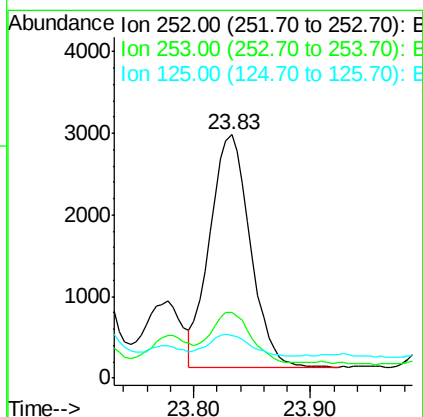
RT: 23.83 min Scan# 3739

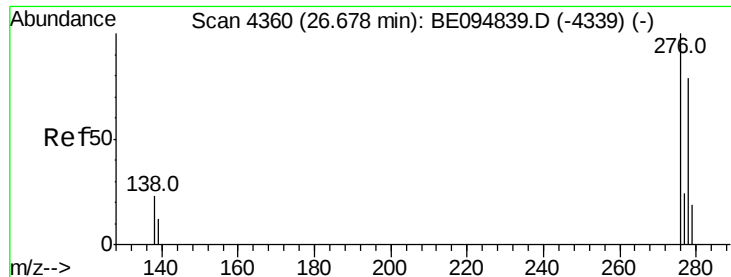
Delta R.T. -0.03 min

Lab File: BE094847.D

Acq: 23 Nov 2017 00:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 6838  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.9  | 28.5  | 42.7# |
| 125       | 17.6  | 18.1  | 27.1# |





#24

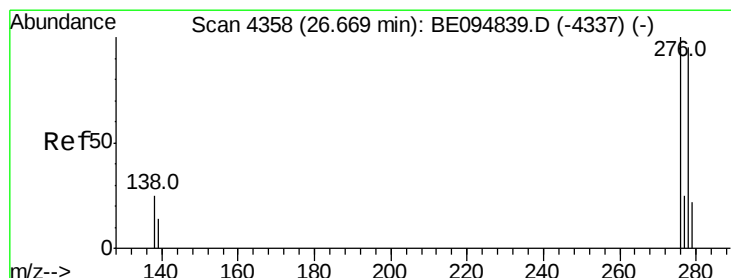
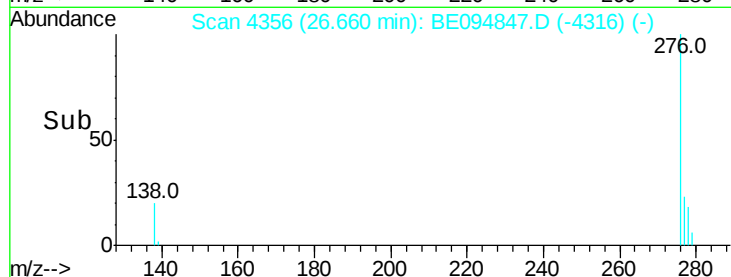
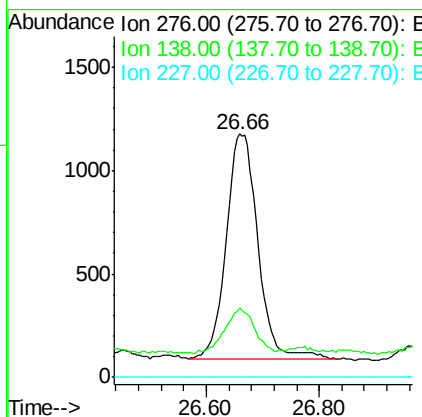
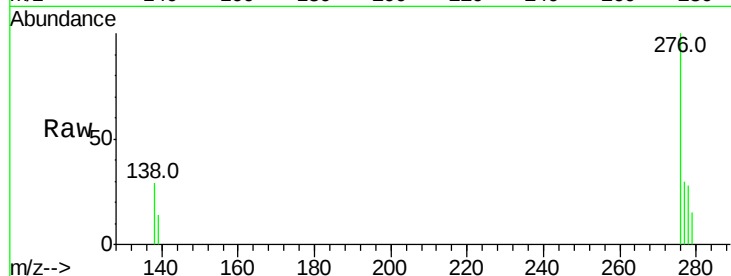
Indeno(1,2,3-cd)pyrene  
Concen: 0.144 ng/uL  
RT: 26.66 min Scan# 4356  
Delta R.T. -0.02 min  
Lab File: BE094847.D  
Acq: 23 Nov 2017 00:14

Instrument :  
BNA\_E  
ClientSampleId :  
C0AB7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.0  | 28.0  | 42.0# |
| 227     | 0.0   | 8.0   | 12.0# |

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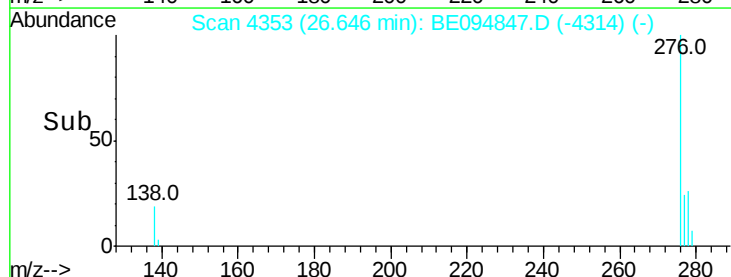
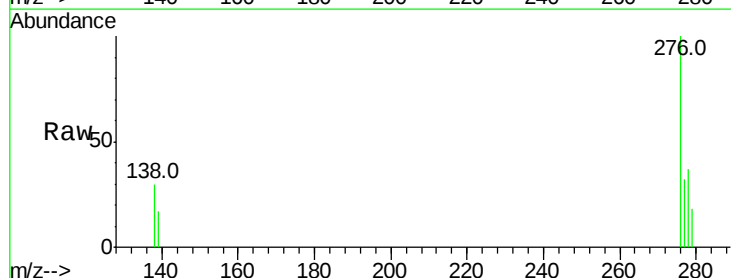
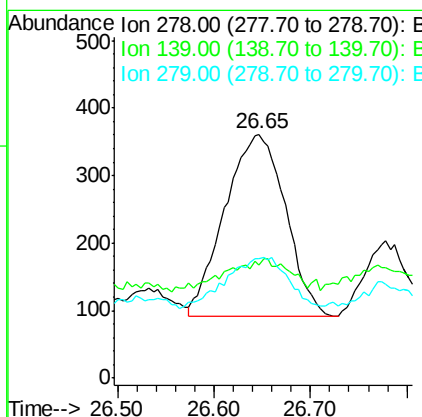
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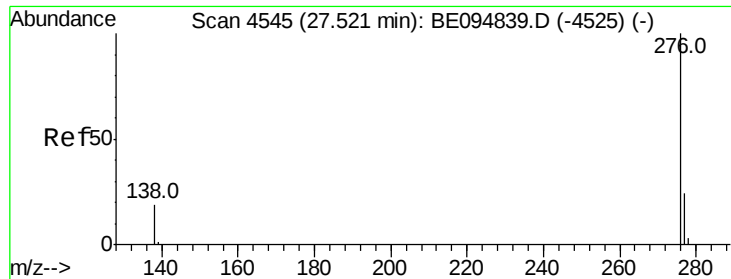


#25

Dibenzo(a,h)anthracene  
Concen: 0.049 ng/uL  
RT: 26.65 min Scan# 4353  
Delta R.T. -0.02 min  
Lab File: BE094847.D  
Acq: 23 Nov 2017 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 46.5  | 17.4  | 26.0# |
| 279     | 49.0  | 25.9  | 38.9# |





#26  
 Benzo(a,h,i)perylene  
 Concen: 0.158 ng/ul  
 RT: 27.50 min Scan# 4540  
 Delta R.T. -0.02 min  
 Lab File: BE094847.D  
 Acq: 23 Nov 2017 00:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AB7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 30.2  | 21.8  | 32.8  |
| 277     | 30.1  | 20.5  | 30.7  |

Manual Integrations  
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