

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE103118\  
 Data File : BE098133.D  
 Acq On : 1 Nov 2018 1:44  
 Operator : SJ/JU  
 Sample : J5701-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A40E7

Manual Integrations  
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Sohil  
 11/1/2018 11:08:13 AM

Quant Time: Nov 01 04:31:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 02:11:37 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.87  | 152  | 1160     | 0.40   | ng/ul | 0.00     |
| 2) Naphthalene-d8           | 10.67 | 136  | 5797     | 0.40   | ng/ul | 0.00     |
| 6) Acenaphthene-d10         | 14.53 | 164  | 4142     | 0.40   | ng/ul | 0.00     |
| 10) Phenanthrene-d10        | 17.28 | 188  | 9123m    | 0.40   | ng/ul | 0.00     |
| 16) Chrysene-d12            | 21.47 | 240  | 9872m    | 0.40   | ng/ul | 0.00     |
| 20) Perylene-d12            | 24.02 | 264  | 9735m    | 0.40   | ng/ul | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 4) 2-Methylnaphthalene-d10  | 12.27 | 152  | 3607     | 0.35   | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.32 | 212  | 10988m   | 0.37   | ng/ul | 0.00     |
| Target Compounds            |       |      |          | Ovalue |       |          |
| 12) Phenanthrene            | 17.32 | 178  | 6877     | 0.327  | ng/ul | 98       |
| 13) Anthracene              | 17.42 | 178  | 1151m    | 0.055  | ng/ul |          |
| 15) Fluoranthene            | 19.35 | 202  | 27535m   | 1.026  | ng/ul |          |
| 17) Pyrene                  | 19.71 | 202  | 22580m   | 0.980  | ng/ul |          |
| 18) Benzo(a)anthracene      | 21.45 | 228  | 20498m   | 0.706  | ng/ul |          |
| 19) Chrysene                | 21.50 | 228  | 16348    | 0.728  | ng/ul | 97       |
| 21) Benzo(b)fluoranthene    | 23.24 | 252  | 22812m   | 0.846  | ng/ul |          |
| 22) Benzo(k)fluoranthene    | 23.28 | 252  | 5902m    | 0.224  | ng/ul |          |
| 23) Benzo(a)pyrene          | 23.91 | 252  | 13283m   | 0.512  | ng/ul |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.70 | 276  | 9512m    | 0.320  | ng/ul |          |
| 25) Dibenzo(a,h)anthracene  | 26.72 | 278  | 2486m    | 0.100  | ng/ul |          |
| 26) Benzo(g,h,i)perylene    | 27.53 | 276  | 8541m    | 0.341  | ng/ul |          |

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

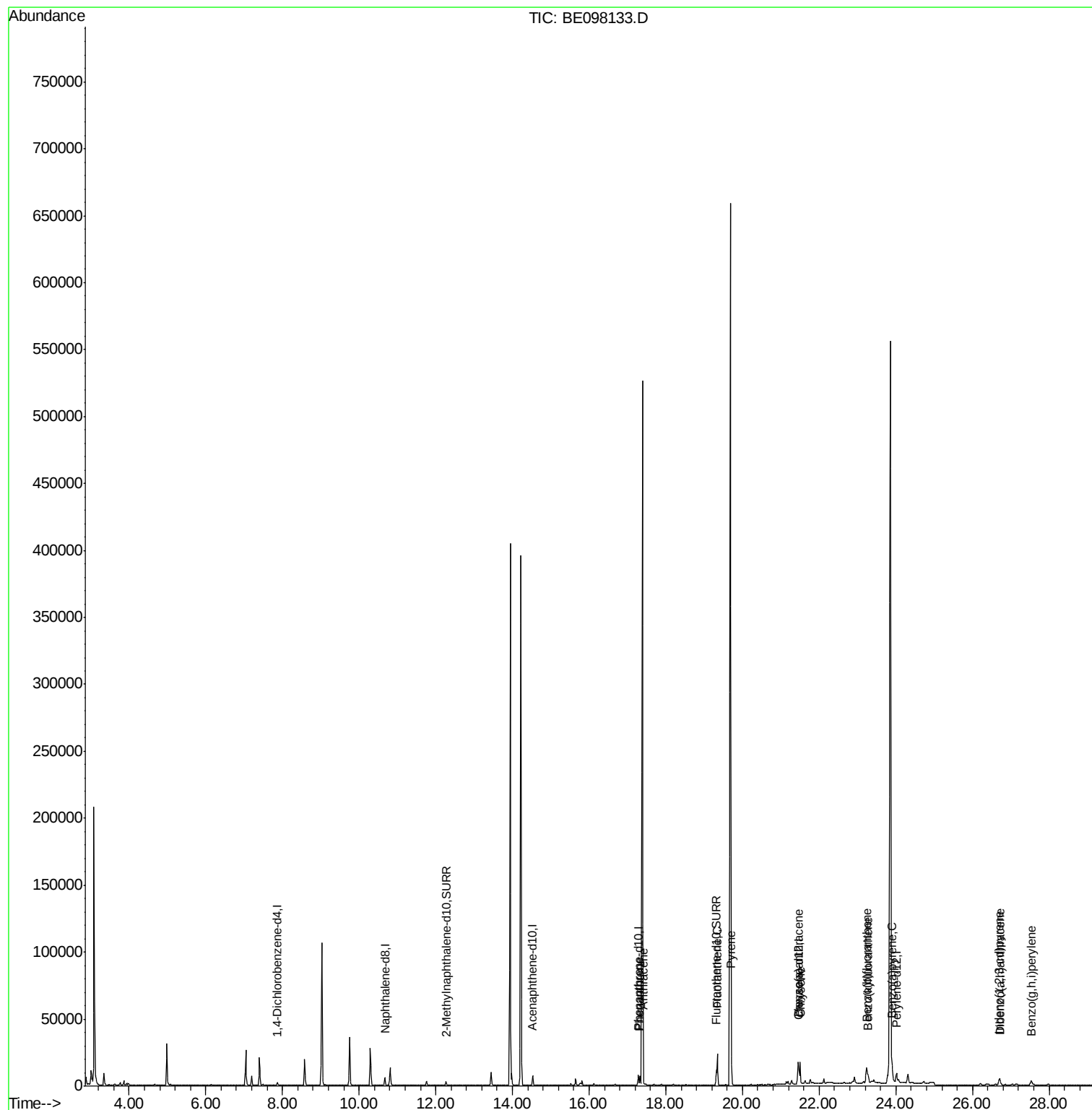
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE103118\  
Data File : BE098133.D  
Acq On : 1 Nov 2018 1:44  
Operator : SJ/JU  
Sample : J5701-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

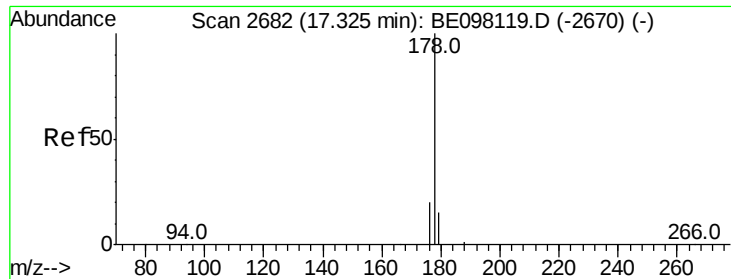
Instrument :  
BNA\_E  
ClientSampleId :  
A40E7

Quant Time: Nov 01 04:31:38 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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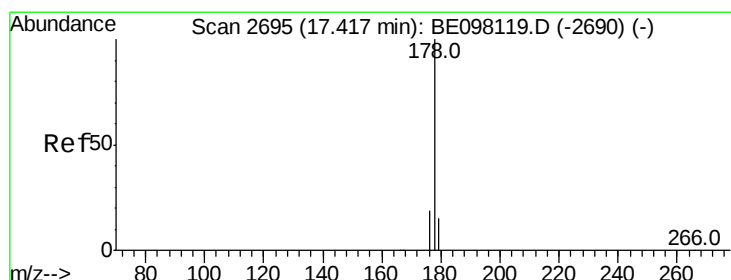
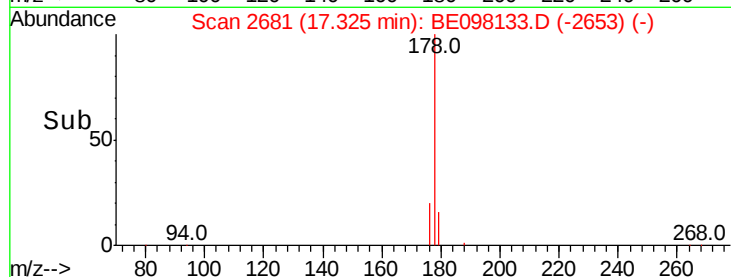
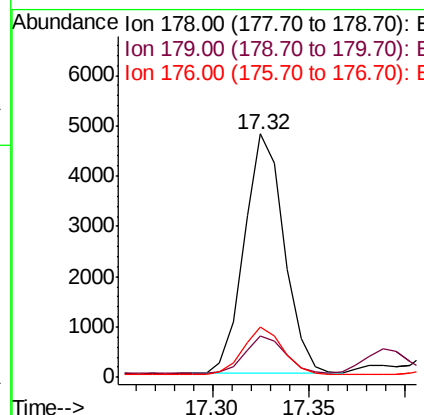
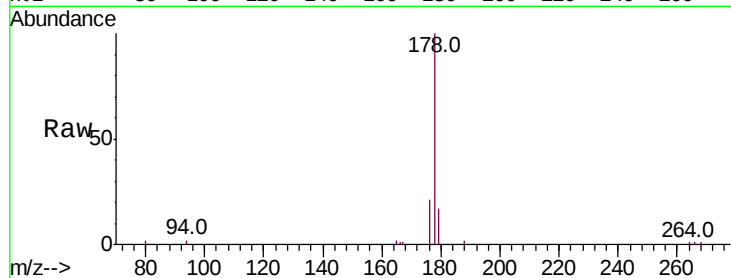
#12  
Phenanthrene  
Concen: 0.327 ng/ul  
RT: 17.32 min Scan# 2681  
Delta R.T. -0.00 min  
Lab File: BE098133.D  
Acq: 1 Nov 2018 1:44

Instrument :  
BNA\_E  
ClientSampleId :  
A40E7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.9  | 13.0  | 19.4  |
| 176     | 20.8  | 15.7  | 23.5  |

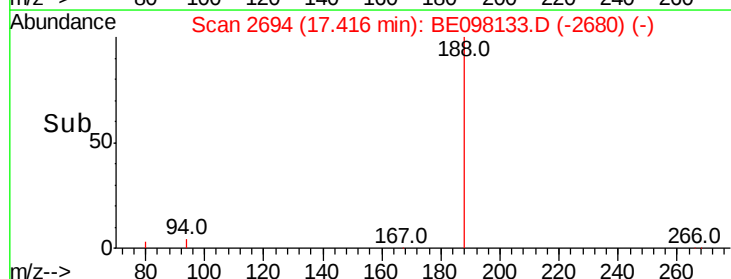
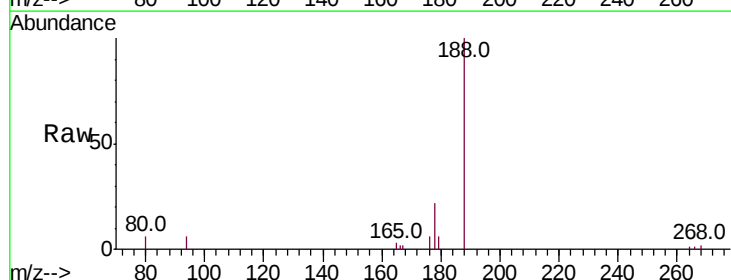
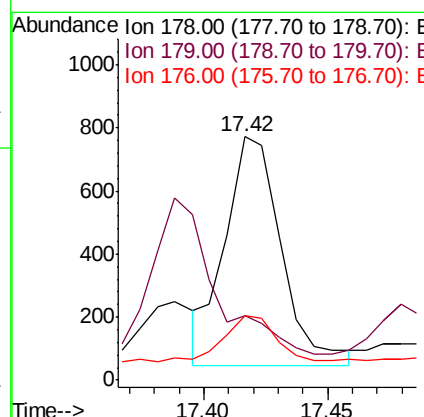
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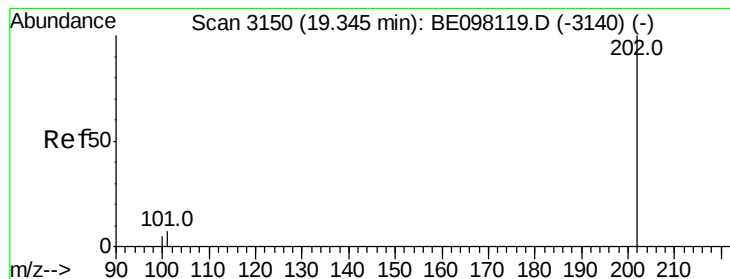
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#13  
Anthracene  
Concen: 0.055 ng/ul m  
RT: 17.42 min Scan# 2694  
Delta R.T. -0.00 min  
Lab File: BE098133.D  
Acq: 1 Nov 2018 1:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 26.3  | 12.6  | 19.0# |
| 176     | 26.3  | 15.6  | 23.4# |





#15

Fluoranthene

Concen: 1.026 ng/ul m

RT: 19.35 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

Instrument :

BNA\_E

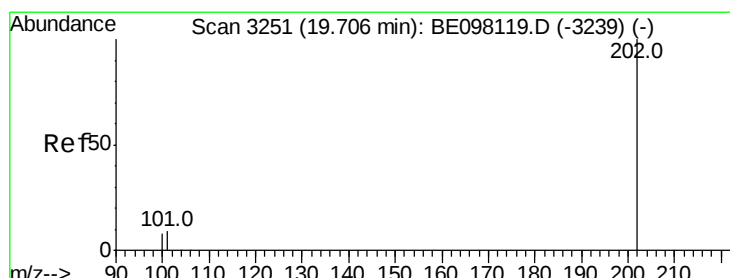
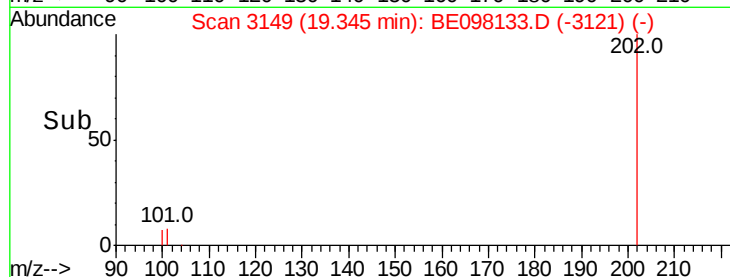
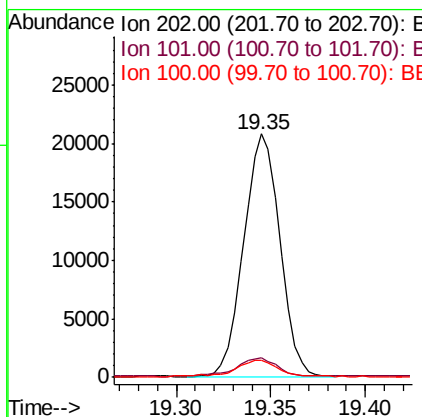
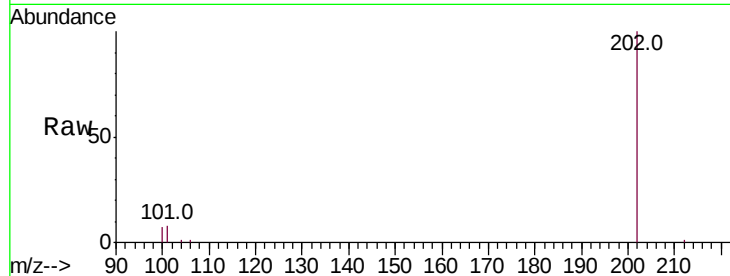
ClientSampled :

A40E7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 27535 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.1   | 0.0   | 27.5  |
| 100       | 7.0   | 0.0   | 26.0  |

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#17

Pyrene

Concen: 0.980 ng/ul m

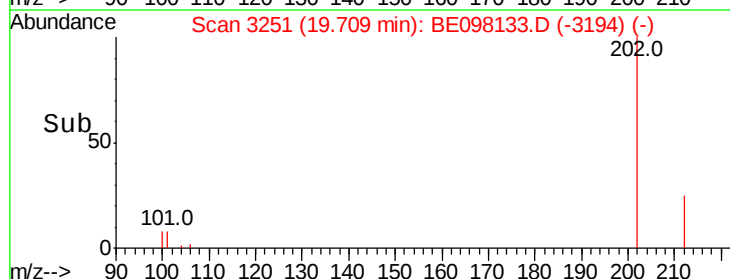
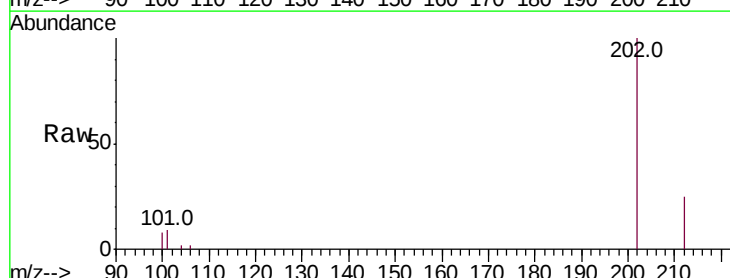
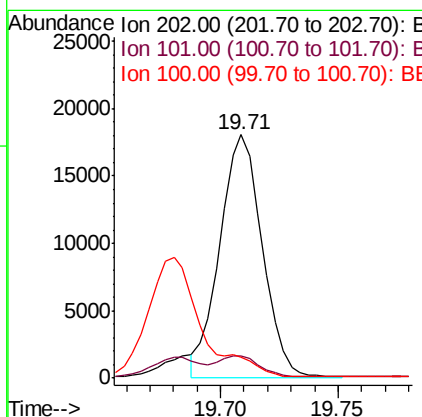
RT: 19.71 min Scan# 3251

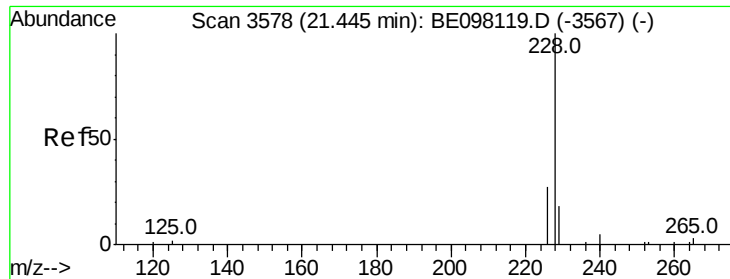
Delta R.T. 0.00 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 22580 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.0   | 6.9   | 10.3  |
| 100       | 8.4   | 6.0   | 9.0   |





#18

Benzo(a)anthracene

Concen: 0.706 ng/ul m

RT: 21.45 min Scan# 3579

Delta R.T. 0.01 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

Instrument :

BNA\_E

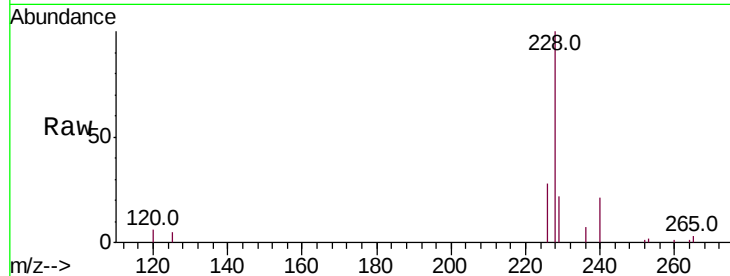
ClientSampleId :

A40E7

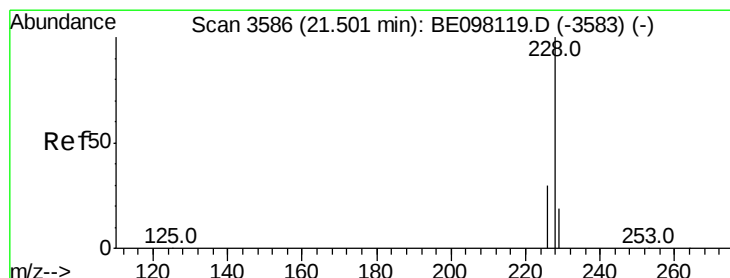
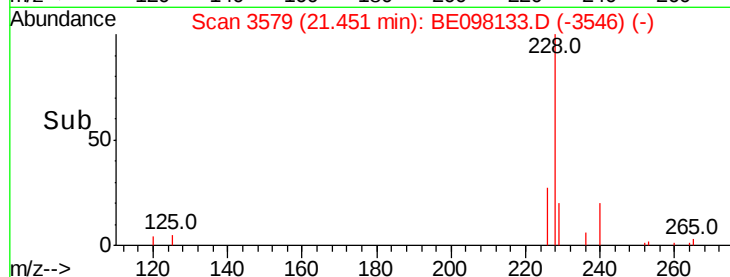
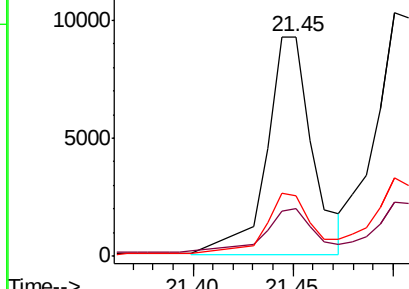
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 20498 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 21.6  | 16.1  | 24.1  |
| 226       | 27.5  | 22.2  | 33.4  |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.728 ng/ul

RT: 21.50 min Scan# 3586

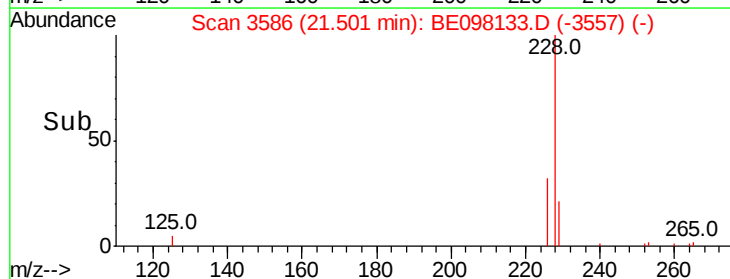
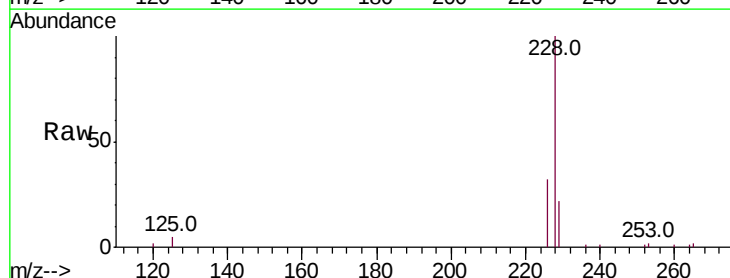
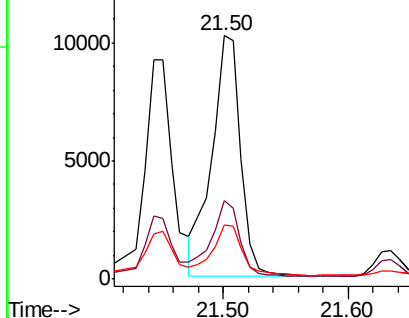
Delta R.T. -0.00 min

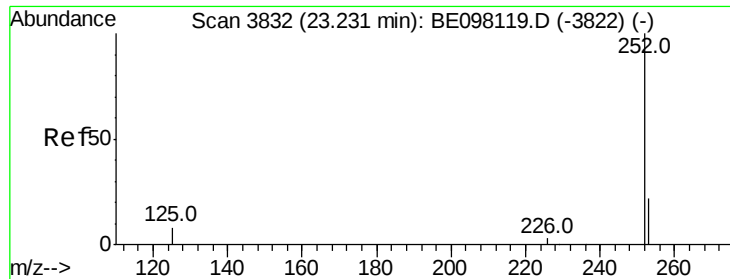
Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 16348 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.3  | 24.6  | 37.0  |
| 229       | 22.1  | 16.4  | 24.6  |

Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.846 ng/ul m

RT: 23.24 min Scan# 3833

Delta R.T. 0.01 min

Lab File: BE098133.D

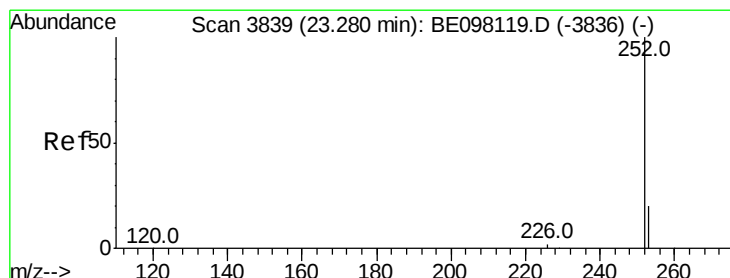
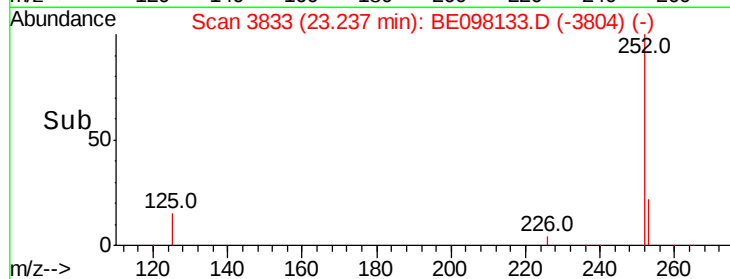
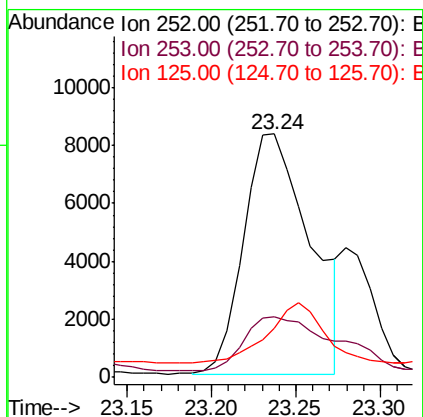
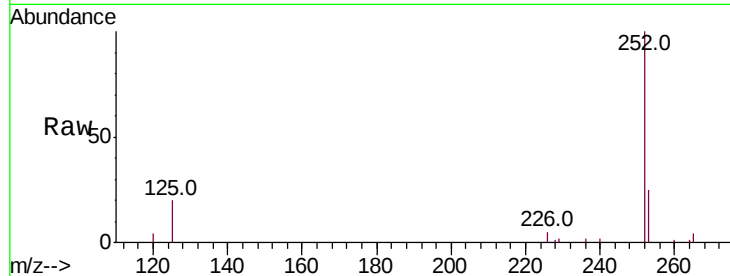
Acq: 1 Nov 2018 1:44

Instrument :  
BNA\_E  
ClientSampleId :  
A40E7

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 24.9  | 0.0        | 47.8  |
| 125     | 20.2  | 0.0        | 16.8# |

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#22

Benzo(k)fluoranthene

Concen: 0.224 ng/ul m

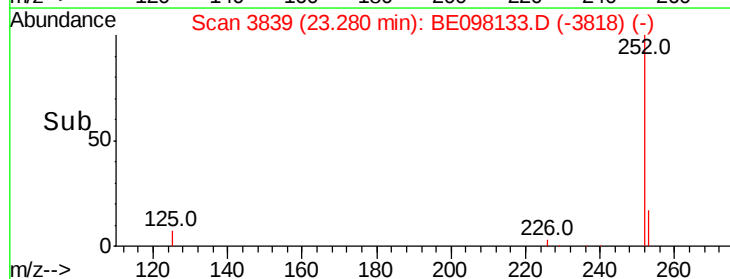
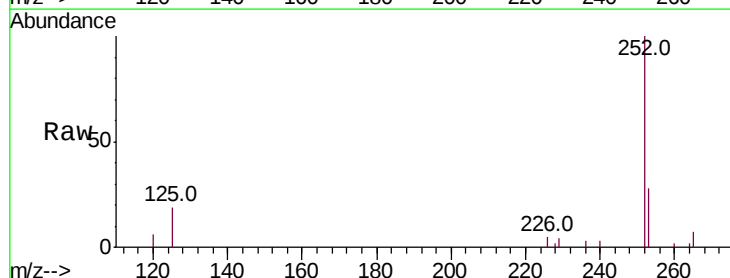
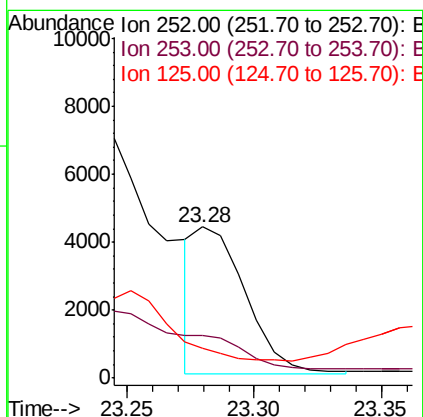
RT: 23.28 min Scan# 3839

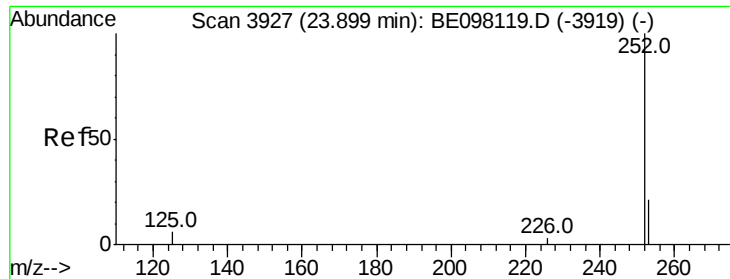
Delta R.T. -0.00 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 27.9  | 19.3       | 28.9  |
| 125     | 19.4  | 6.2        | 9.2#  |





#23

Benzo(a)pyrene

Concen: 0.512 ng/ul m

RT: 23.91 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

Instrument :

BNA\_E

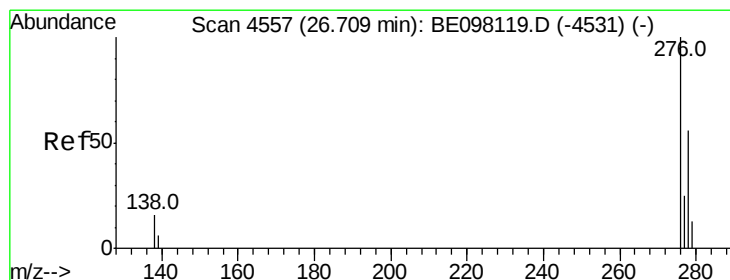
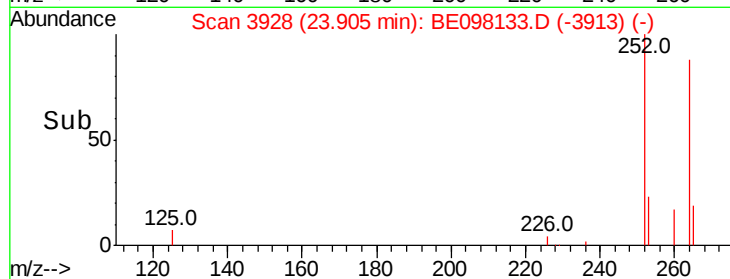
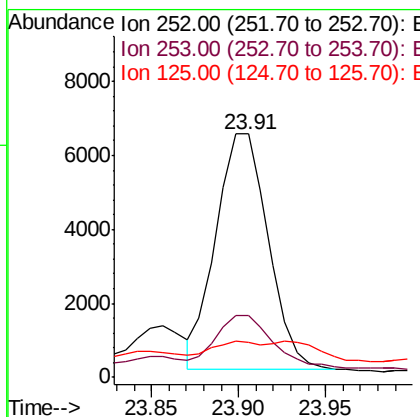
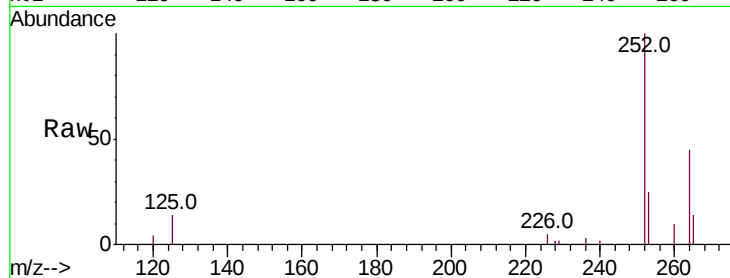
ClientSampleId :

A40E7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.4  | 19.4  | 29.2  |
| 125     | 14.2  | 7.8   | 11.8  |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.320 ng/ul m

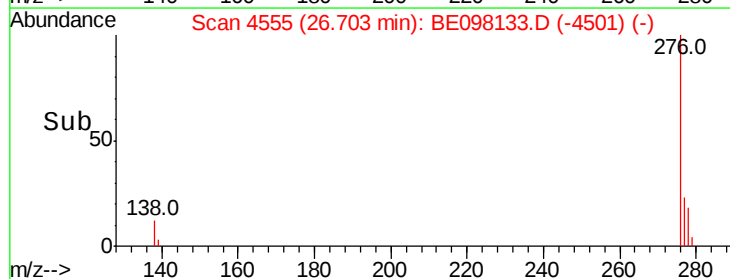
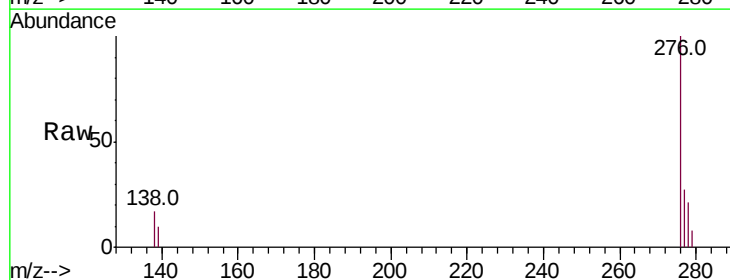
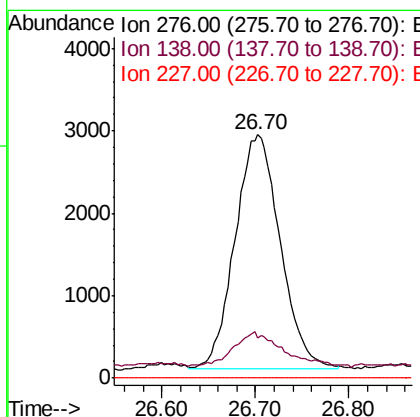
RT: 26.70 min Scan# 4555

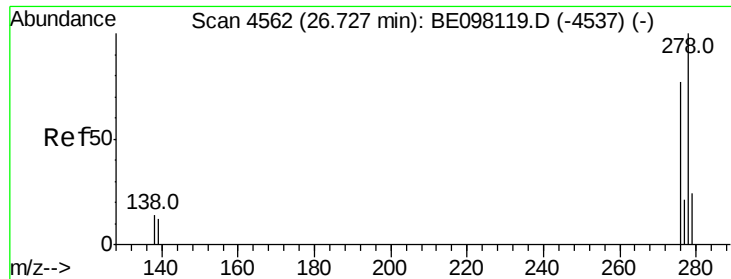
Delta R.T. -0.01 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.7   | 11.8  | 17.8  |
| 227     | 0.0   | 0.0   | 0.0   |





#25

Dibenzo(a,h)anthracene

Concen: 0.100 ng/ul m

RT: 26.72 min Scan# 4561

Delta R.T. -0.00 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

Instrument :

BNA\_E

ClientSampleId :

A40E7

Tot Ion:278 Resp: 2486

Ion Ratio Lower Upper

278 100

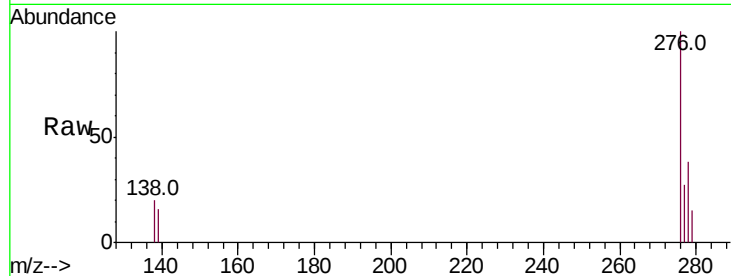
139 41.8 10.0 15.0#

279 38.4 20.3 30.5#

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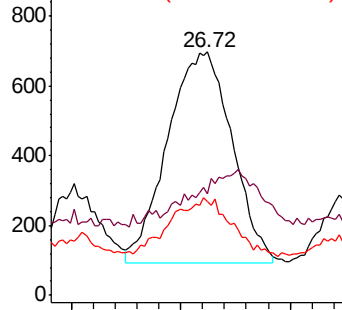
11/1/2018 11:08:13 AM



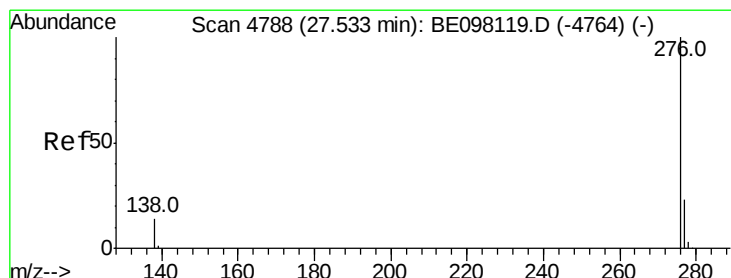
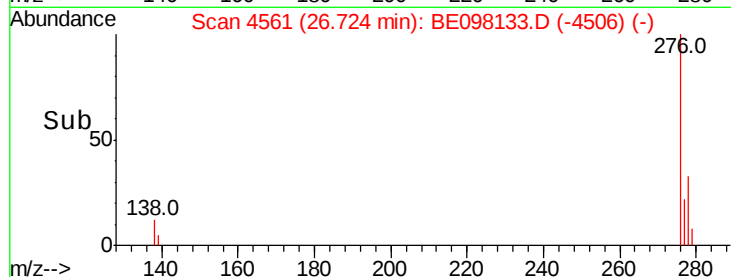
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.341 ng/ul m

RT: 27.53 min Scan# 4787

Delta R.T. -0.00 min

Lab File: BE098133.D

Acq: 1 Nov 2018 1:44

Tgt Ion:276 Resp: 8541

Ion Ratio Lower Upper

276 100

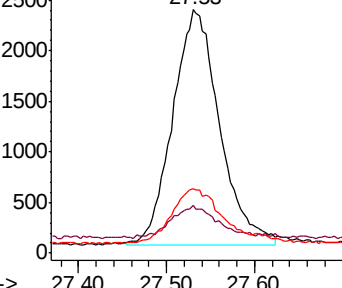
138 19.4 11.6 17.4#

277 26.6 20.8 31.2

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



Time-->

