

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\  
 Data File : BE096091.D  
 Acq On : 23 Apr 2018 18:48  
 Operator : SJ/JU  
 Sample : J2355-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 A3Y24

Manual Integrations  
 APPROVED

Sohil  
 4/24/2018 7:10:37 PM

Quant Time: Apr 24 10:44:24 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 24 06:59:54 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.38  | 152  | 2000     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.20 | 136  | 5572     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.97 | 164  | 3510     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.68 | 188  | 7223m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.77 | 240  | 6759m    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.37 | 264  | 8132m    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.76 | 152  | 3289     | 0.32   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.66 | 212  | 7933m    | 0.27   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.72 | 178  | 1073m    | 0.050  | ng/ul  |          |
| 15) Fluoranthene            | 19.69 | 202  | 2834m    | 0.098  | ng/ul  |          |
| 17) Pyrene                  | 20.04 | 202  | 2976     | 0.130  | ng/ul# | 86       |
| 18) Benzo(a)anthracene      | 21.74 | 228  | 1214m    | 0.044  | ng/ul  |          |
| 19) Chrysene                | 21.80 | 228  | 1470m    | 0.075  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.57 | 252  | 1583m    | 0.060  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.62 | 252  | 613m     | 0.023  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 28.04 | 276  | 745      | 0.032  | ng/ul# | 57       |

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

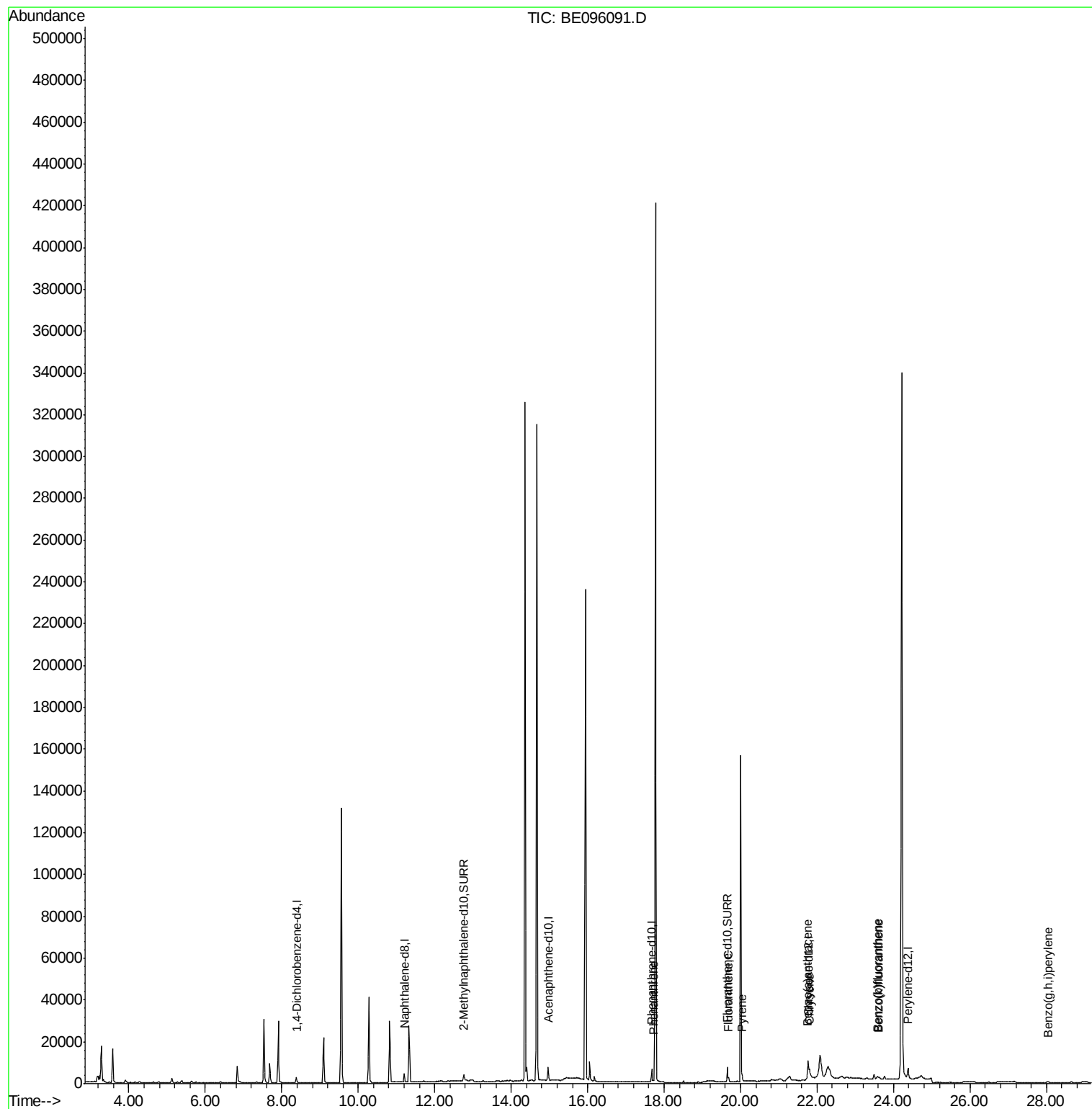
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042318\  
Data File : BE096091.D  
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Operator : SJ/JU  
Sample : J2355-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

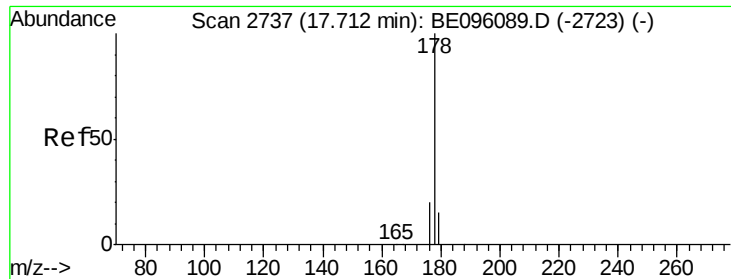
Instrument :  
BNA\_E  
ClientSampleId :  
A3Y24

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QLast Update : Tue Apr 24 06:59:54 2018  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.050 ng/ul m

RT: 17.72 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

Instrument :

BNA\_E

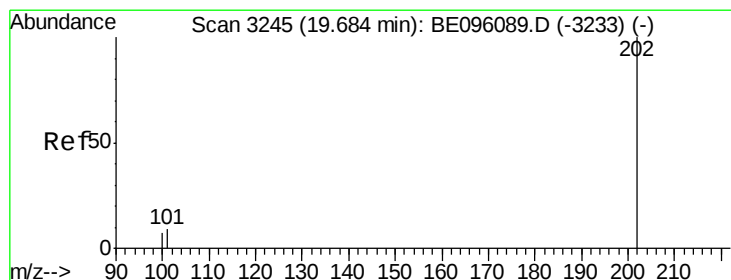
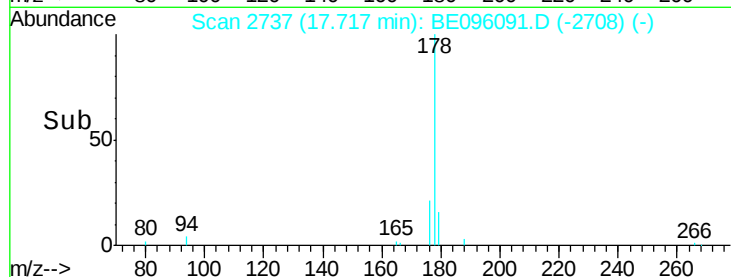
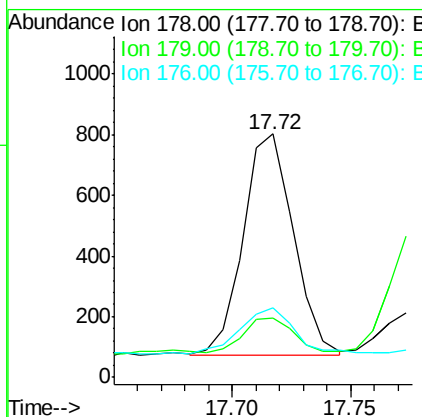
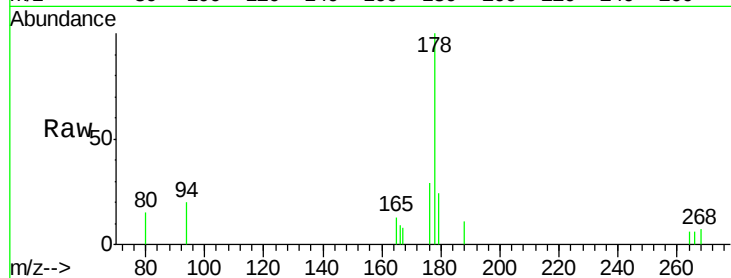
ClientSampled :

A3Y24

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 1073  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 24.2  | 18.4  | 27.6  |
| 176      | 28.8  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.098 ng/ul m

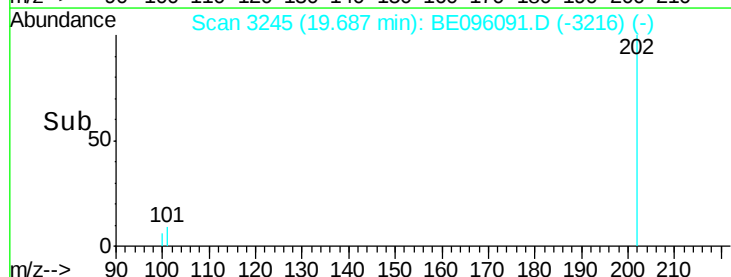
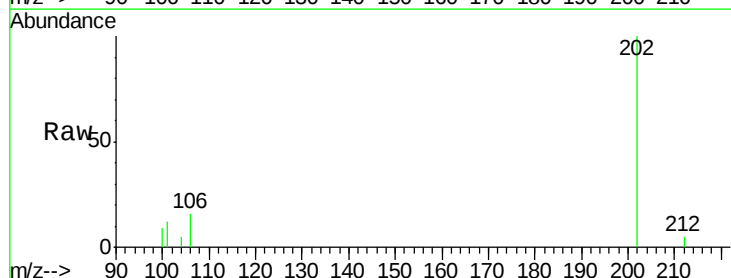
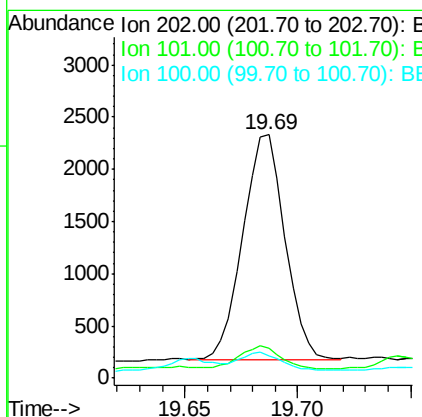
RT: 19.69 min Scan# 3245

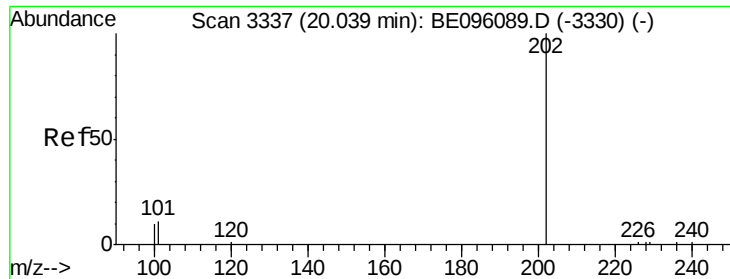
Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 2834  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 12.3  | 0.0   | 30.3  |
| 100      | 9.0   | 0.0   | 39.5  |





#17

Pvrene

Concen: 0.130 ng/ul

RT: 20.04 min Scan# 3337

Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

Instrument :

BNA\_E

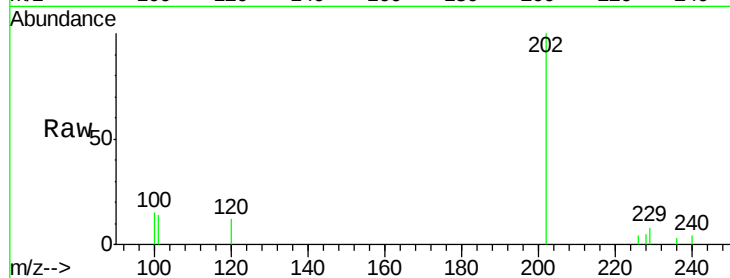
ClientSampleId :

A3Y24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 2976  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.3  | 18.2  | 27.4# |
| 100       | 14.6  | 15.6  | 23.4# |

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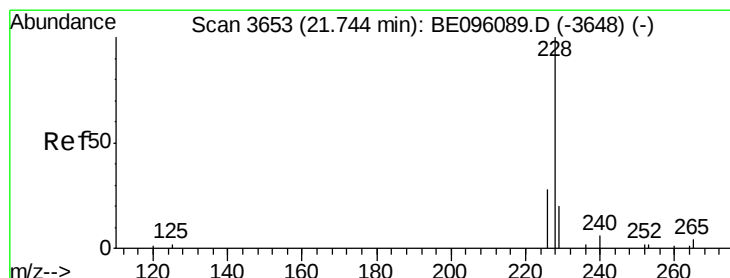
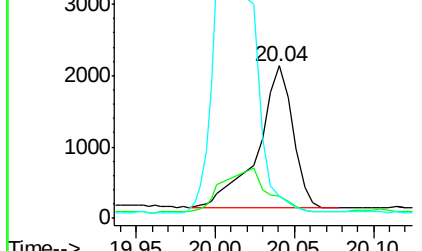
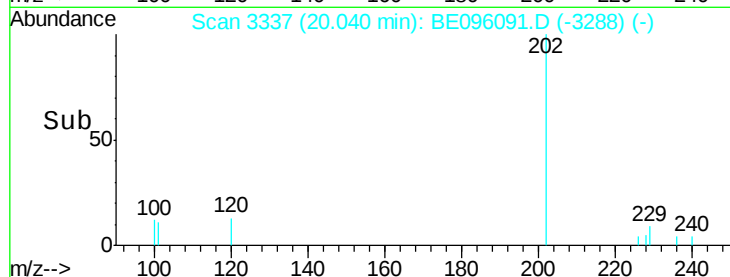


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#18

Benzo(a)anthracene

Concen: 0.044 ng/ul m

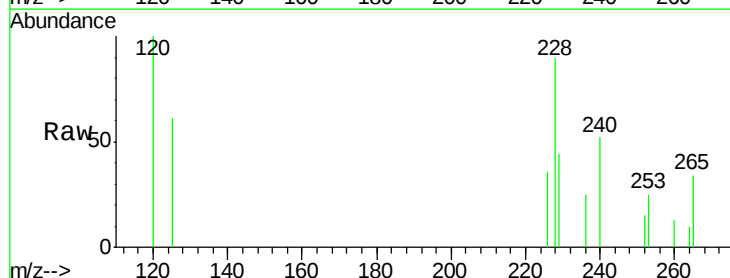
RT: 21.74 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 1214  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 48.8  | 22.8  | 34.2# |
| 226       | 40.5  | 17.0  | 25.6# |

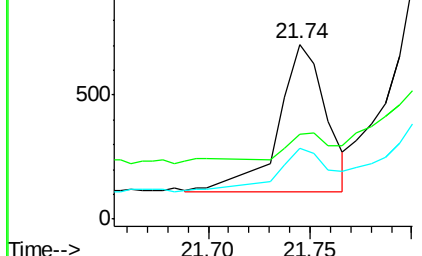
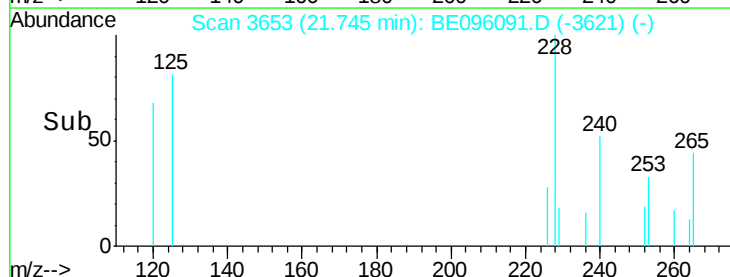


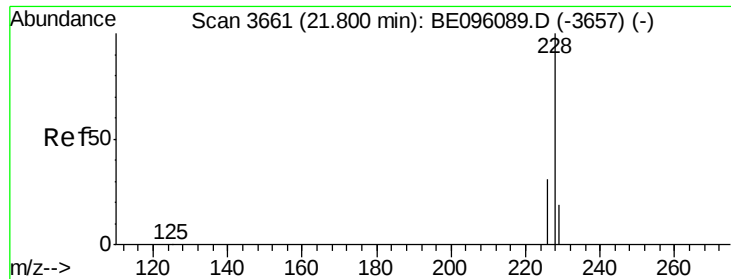
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#19

Chrysene

Concen: 0.075 ng/ul m

RT: 21.80 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

Instrument :

BNA\_E

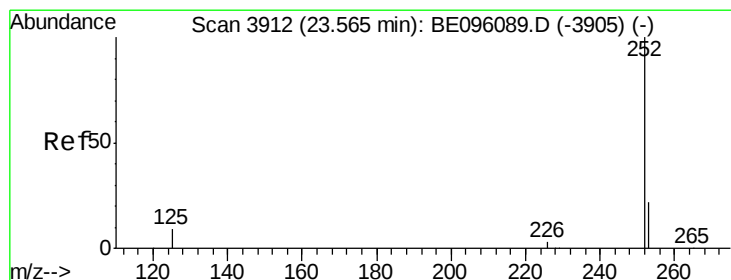
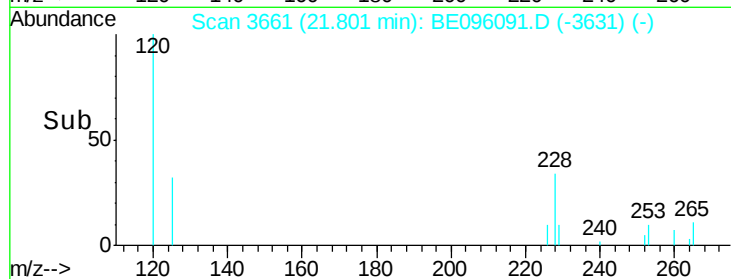
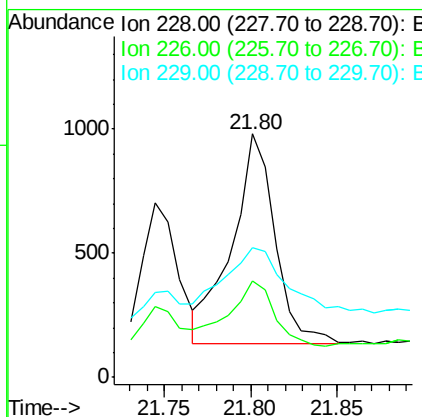
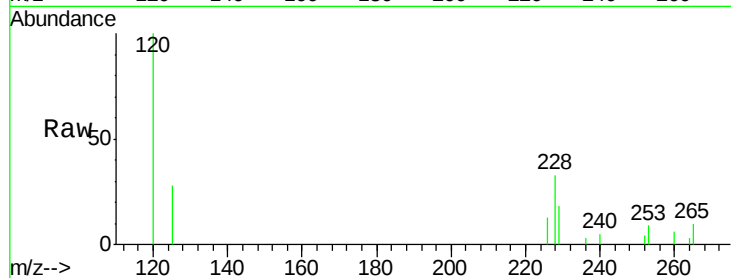
ClientSampled :

A3Y24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 1470  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 39.8  | 23.4  | 35.0# |
| 229       | 53.4  | 17.7  | 26.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.060 ng/ul m

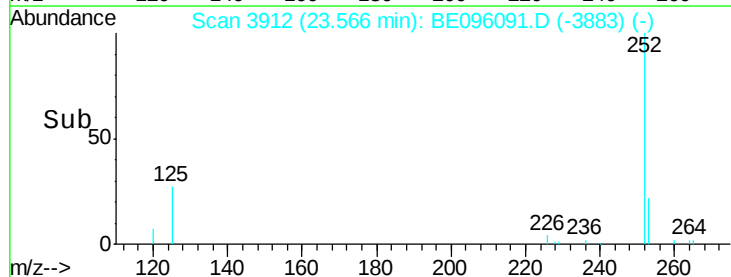
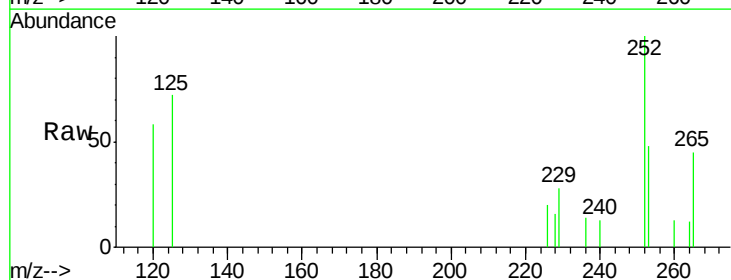
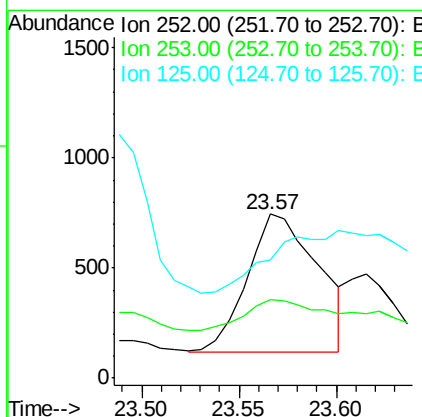
RT: 23.57 min Scan# 3912

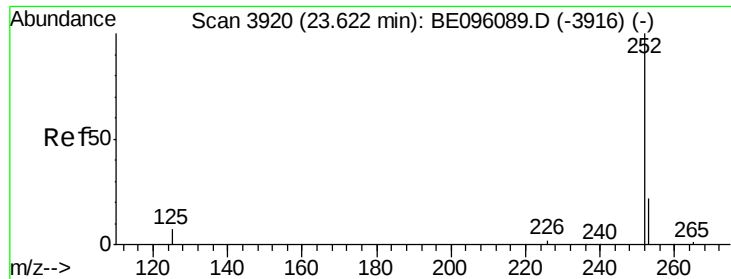
Delta R.T. 0.00 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 1583  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 47.5  | 0.0   | 64.2  |
| 125       | 72.3  | 0.0   | 35.0# |





#22

Benzo(k)fluoranthene

Concen: 0.023 ng/ul m

RT: 23.62 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

Instrument :

BNA\_E

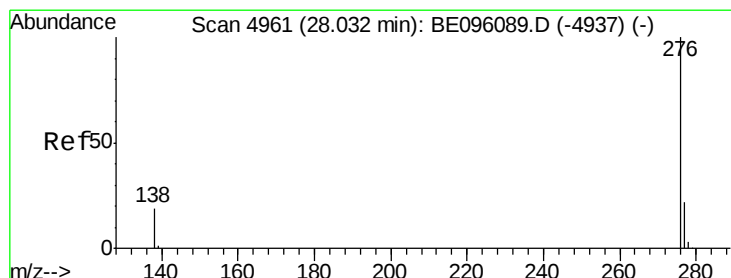
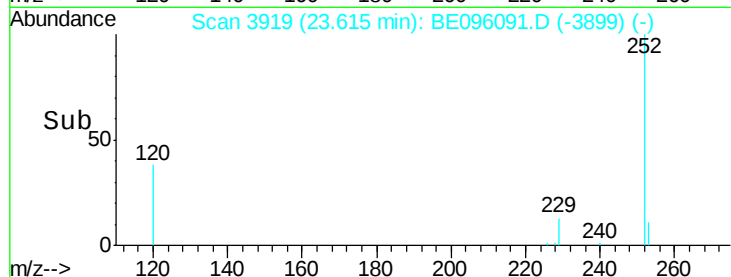
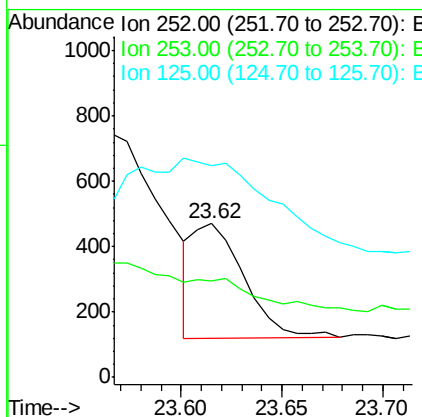
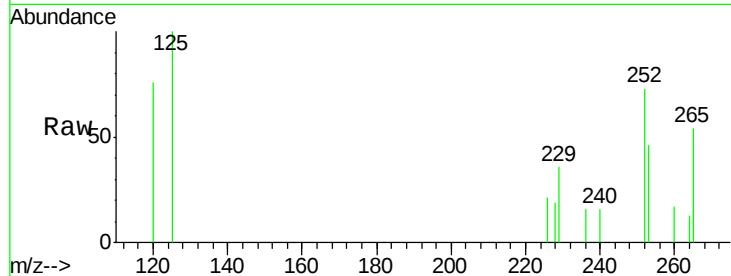
ClientSampled :

A3Y24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 613   |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 62.8  | 24.5  | 36.7# |
| 125       | 137.7 | 13.7  | 20.5# |

Manual Integrations  
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#26

Benzo(g,h,i)perylene

Concen: 0.032 ng/ul

RT: 28.04 min Scan# 4963

Delta R.T. 0.01 min

Lab File: BE096091.D

Acq: 23 Apr 2018 18:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 745   |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 55.6  | 21.8  | 32.8# |
| 277       | 41.3  | 20.5  | 30.7# |

