

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE102218\  
 Data File : BE098016.D  
 Acq On : 22 Oct 2018 19:20  
 Operator : SJ/JU  
 Sample : J5567-15  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AJ3

Manual Integrations  
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Quant Time: Oct 23 02:57:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE101018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 23 02:34:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.88  | 152  | 1667     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.68 | 136  | 7934     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.54 | 164  | 5721     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.30 | 188  | 13129m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.47 | 240  | 14302m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.03 | 264  | 13241m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 4219     | 0.34   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.32 | 212  | 11982m   | 0.28   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 15) Fluoranthene            | 19.36 | 202  | 3109m    | 0.075  | ng/ul  |          |
| 17) Pyrene                  | 19.72 | 202  | 2304     | 0.066  | ng/ul# | 69       |
| 18) Benzo(a)anthracene      | 21.46 | 228  | 3560m    | 0.090  | ng/ul  |          |
| 19) Chrysene                | 21.51 | 228  | 2278m    | 0.059  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.24 | 252  | 6805m    | 0.199  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.29 | 252  | 1899m    | 0.049  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.92 | 252  | 2554     | 0.082  | ng/ul# | 34       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.73 | 276  | 785      | 0.022  | ng/ul# | 100      |

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

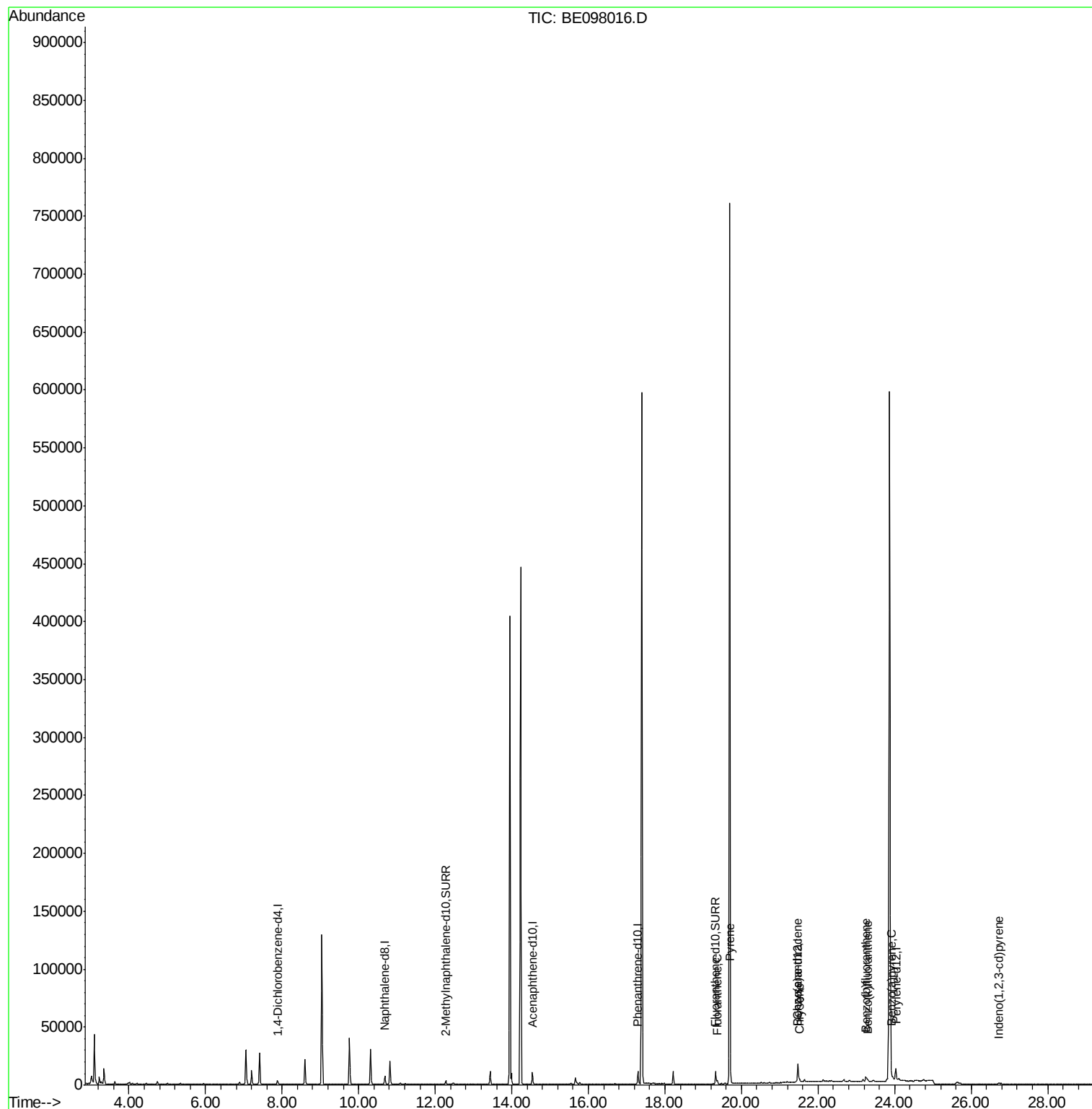
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE102218\  
Data File : BE098016.D  
Acq On : 22 Oct 2018 19:20  
Operator : SJ/JU  
Sample : J5567-15  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

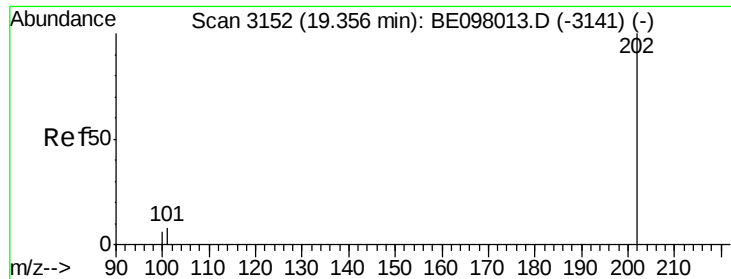
Instrument :  
BNA\_E  
ClientSampleId :  
C0AJ3

Quant Time: Oct 23 02:57:15 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE101018.M  
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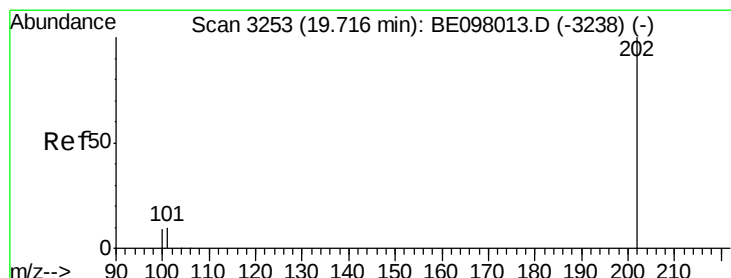
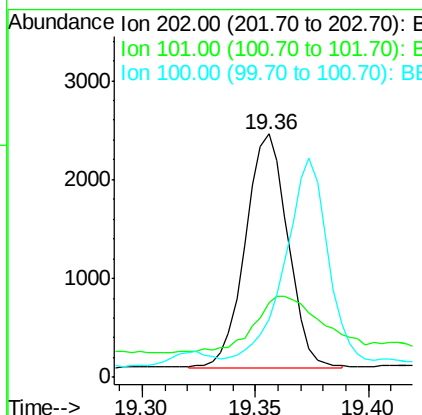
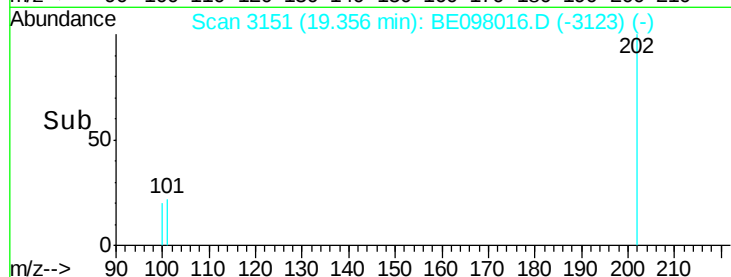
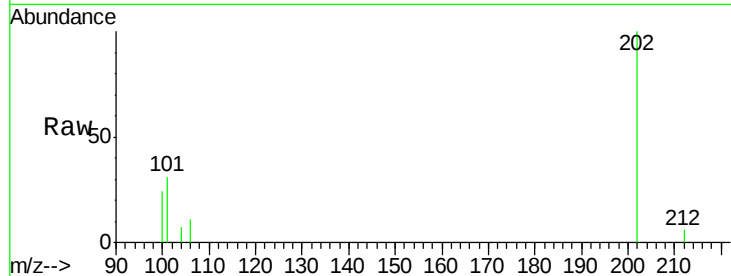
#15  
**Fluoranthene**  
 Concen: 0.075 ng/ul m  
 RT: 19.36 min Scan# 3151  
 Delta R.T. 0.00 min  
 Lab File: BE098016.D  
 Acq: 22 Oct 2018 19:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AJ3

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 3109 |       |       |
| 101     | 30.7  |      | 0.0   | 29.3# |
| 100     | 23.8  |      | 0.0   | 27.5  |

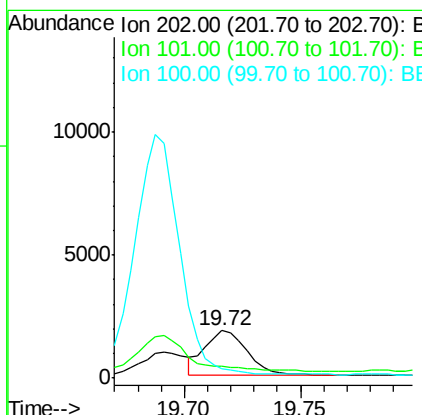
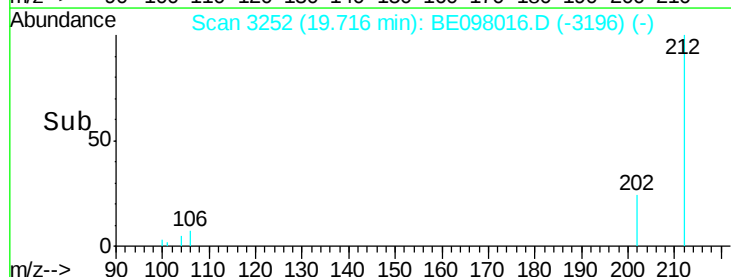
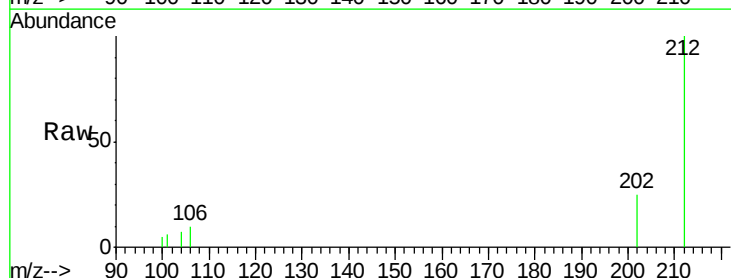
Manual Integrations  
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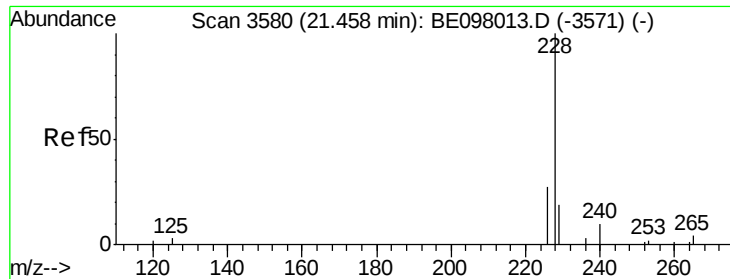
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#17  
**Pyrene**  
 Concen: 0.066 ng/ul  
 RT: 19.72 min Scan# 3252  
 Delta R.T. 0.00 min  
 Lab File: BE098016.D  
 Acq: 22 Oct 2018 19:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 2304 |       |       |
| 101     | 24.1  |      | 8.8   | 13.2# |
| 100     | 19.8  |      | 7.9   | 11.9# |





#18

Benzo(a)anthracene

Concen: 0.090 ng/ul m

RT: 21.46 min Scan# 3579

Delta R.T. 0.00 min

Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

Instrument :

BNA\_E

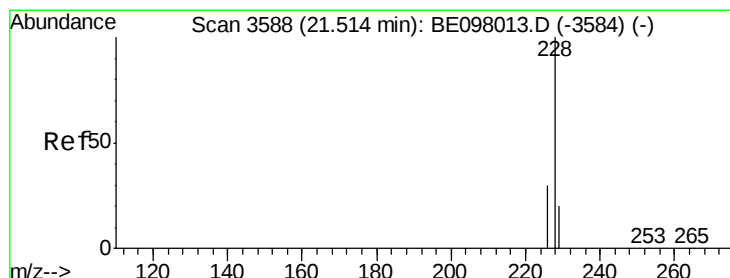
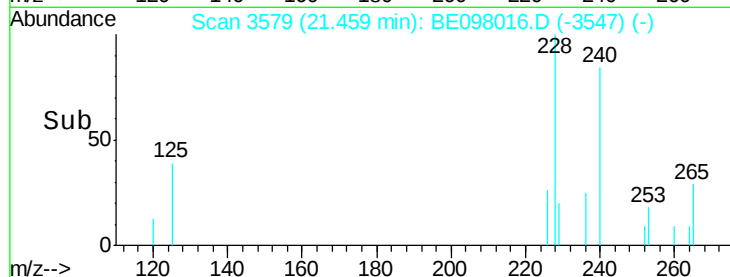
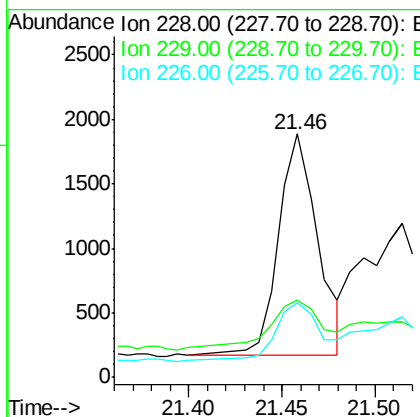
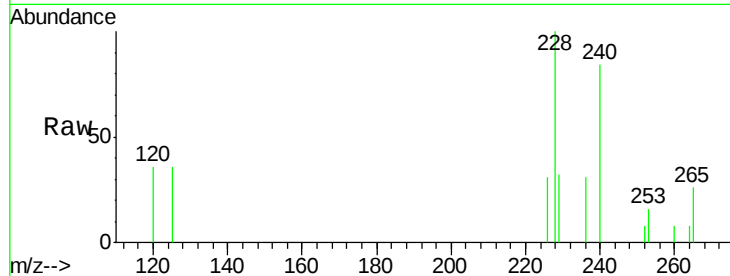
ClientSampled :

C0AJ3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 3560  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 31.5  | 16.4  | 24.6# |
| 226       | 30.9  | 21.5  | 32.3  |

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#19

Chrysene

Concen: 0.059 ng/ul m

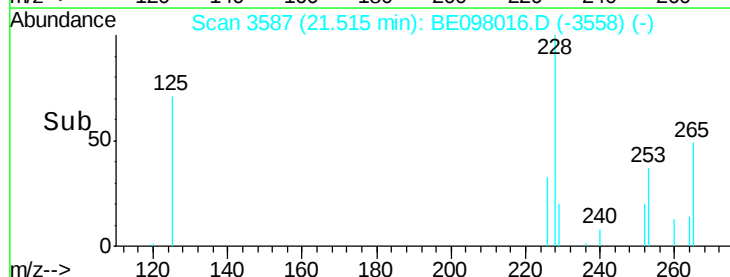
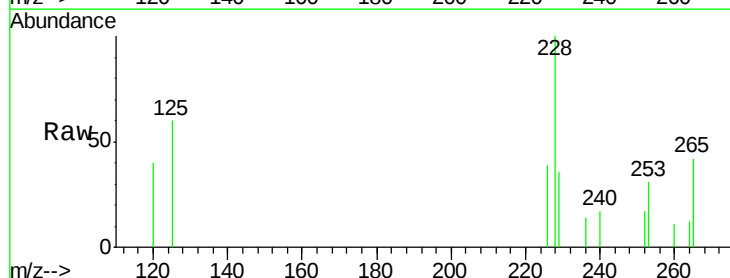
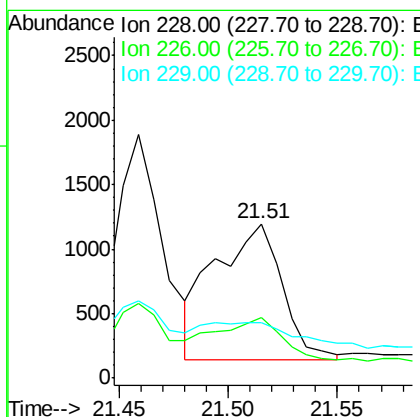
RT: 21.51 min Scan# 3587

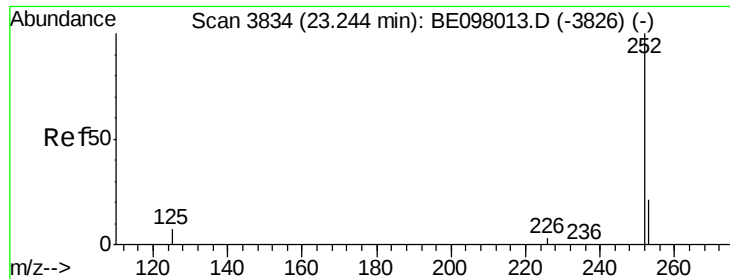
Delta R.T. 0.00 min

Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 2278  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 39.2  | 23.0  | 34.4# |
| 229       | 35.9  | 15.5  | 23.3# |





#21

Benzo(b)fluoranthene

Concen: 0.199 ng/ul m

RT: 23.24 min Scan# 3833

Delta R.T. 0.00 min

Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

Instrument :

BNA\_E

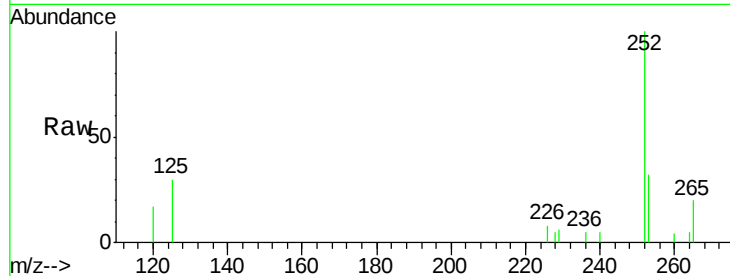
ClientSampleId :

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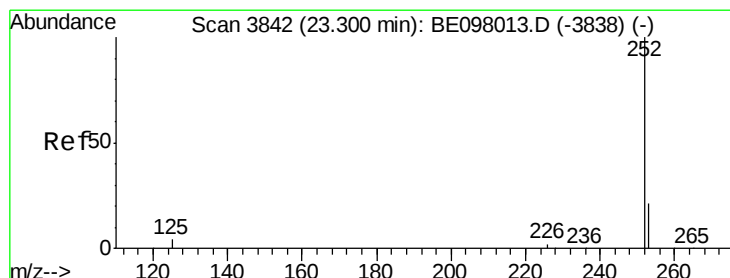
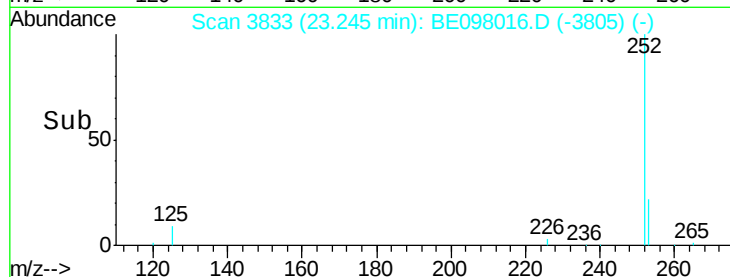
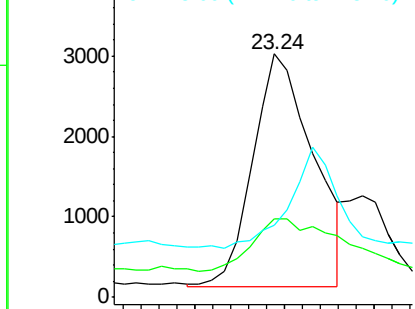
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 6805  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.5  | 0.0   | 47.0  |
| 125       | 29.7  | 0.0   | 18.2# |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.049 ng/ul m

RT: 23.29 min Scan# 3840

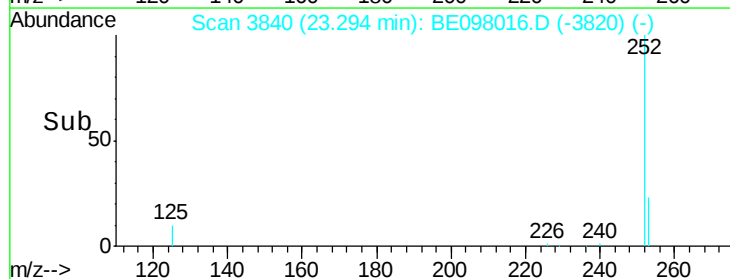
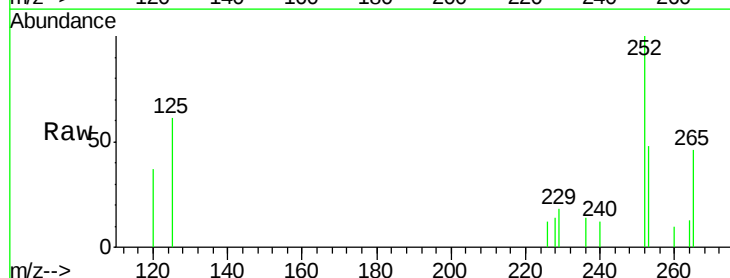
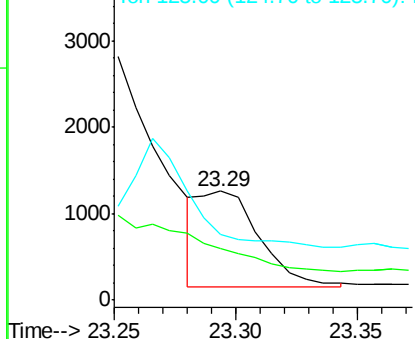
Delta R.T. -0.01 min

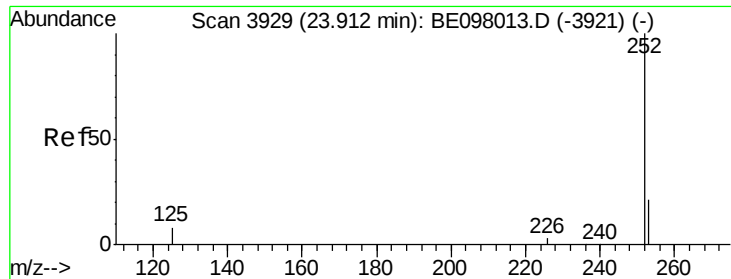
Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 1899  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 48.0  | 17.8  | 26.6# |
| 125       | 60.5  | 9.4   | 14.0# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.082 ng/u1

RT: 23.92 min Scan# 3929

Delta R.T. 0.01 min

Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

Instrument :

BNA\_E

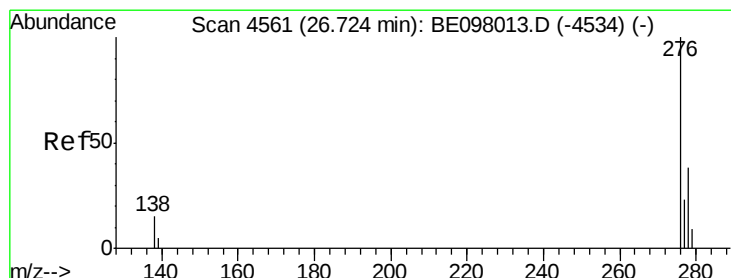
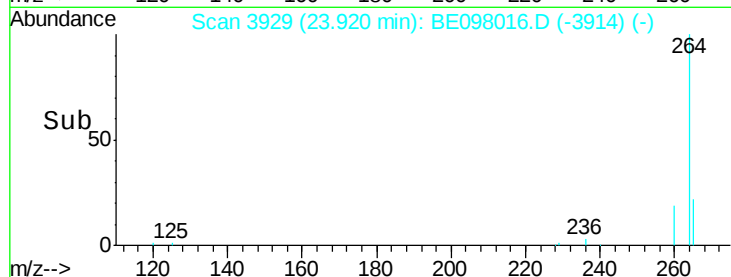
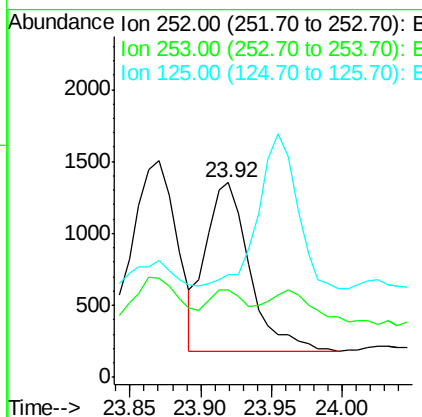
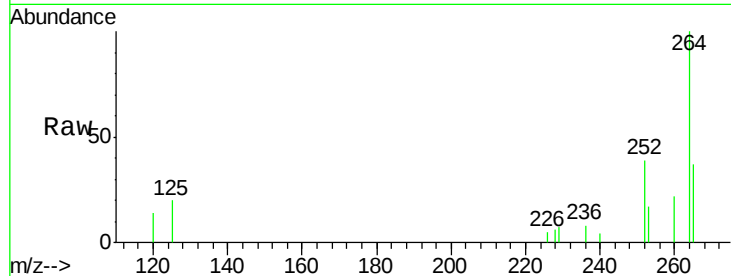
ClientSampleId :

C0AJ3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 2554  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 44.7  | 18.2  | 27.4# |
| 125       | 52.5  | 8.3   | 12.5# |

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng/u1

RT: 26.73 min Scan# 4561

Delta R.T. 0.00 min

Lab File: BE098016.D

Acq: 22 Oct 2018 19:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 785  |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 5.4   | 0.0   | 0.0# |
| 227       | 0.0   | 0.0   | 0.0  |

