

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE102218\  
 Data File : BE098012.D  
 Acq On : 22 Oct 2018 16:16  
 Operator : SJ/JU  
 Sample : J5567-10  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AH8

Manual Integrations  
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Quant Time: Oct 23 02:28:48 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 01:24:18 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.88  | 152  | 1855     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.68 | 136  | 9011     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.54 | 164  | 6549     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.30 | 188  | 14845m   | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.48 | 240  | 15833m   | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.03 | 264  | 14122m   | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 6016     | 0.43  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.32 | 212  | 16647m   | 0.34  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Qvalue |          |
| 12) Phenanthrene            | 17.34 | 178  | 764m     | 0.022 | ng/ul  |          |
| 15) Fluoranthene            | 19.36 | 202  | 4500m    | 0.096 | ng/ul  |          |
| 17) Pyrene                  | 19.72 | 202  | 3040     | 0.078 | ng/ul# | 62       |
| 18) Benzo(a)anthracene      | 21.46 | 228  | 4519     | 0.103 | ng/ul# | 85       |
| 19) Chrysene                | 21.51 | 228  | 3897     | 0.092 | ng/ul# | 80       |
| 21) Benzo(b)fluoranthene    | 23.25 | 252  | 12041m   | 0.330 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.29 | 252  | 2427m    | 0.059 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.92 | 252  | 3559     | 0.107 | ng/ul# | 48       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.74 | 276  | 1335     | 0.035 | ng/ul# | 100      |
| 26) Benzo(g,h,i)perylene    | 27.56 | 276  | 1485     | 0.041 | ng/ul# | 36       |

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

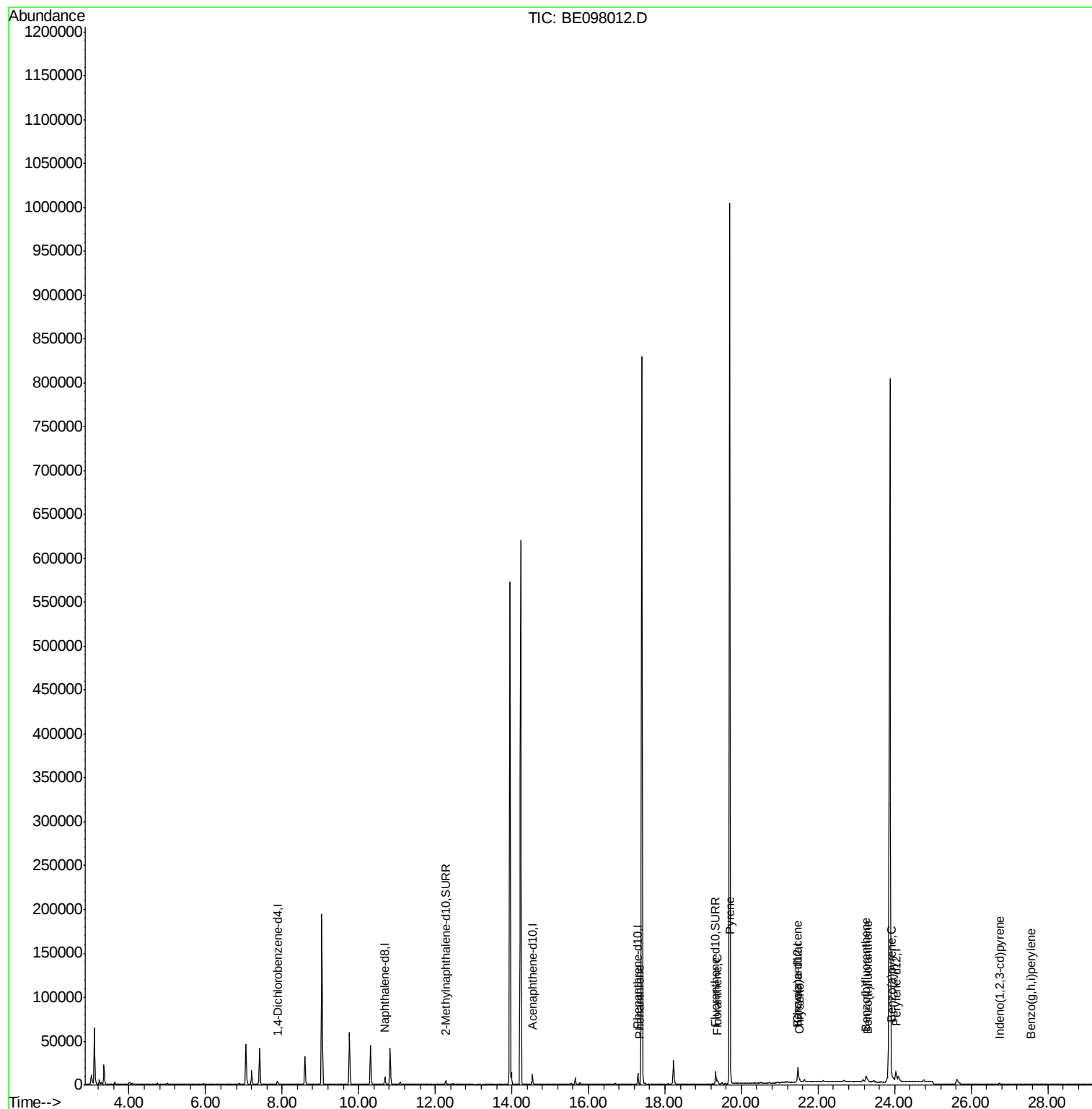
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE102218\  
Data File : BE098012.D  
Acq On : 22 Oct 2018 16:16  
Operator : SJ/JU  
Sample : J5567-10  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

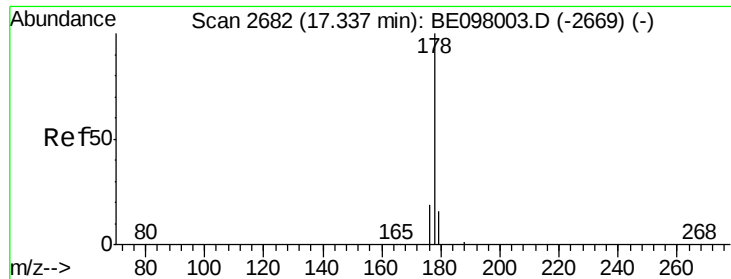
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE101018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 23 01:24:18 2018  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.022 ng/ul m

RT: 17.34 min Scan# 2683

Delta R.T. 0.00 min

Lab File: BE098012.D

Acq: 22 Oct 2018 16:16

Instrument :

BNA\_E

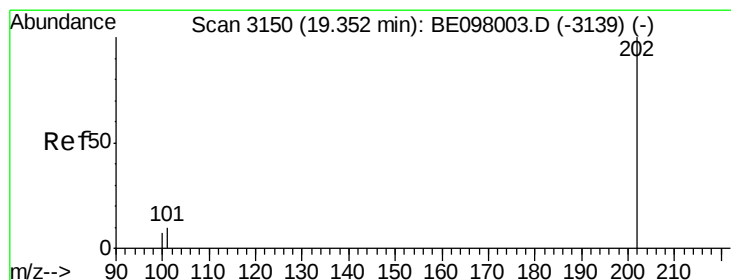
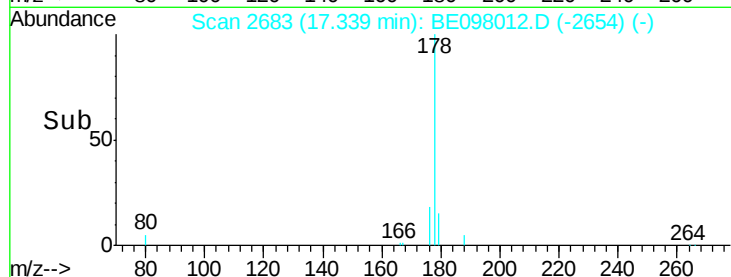
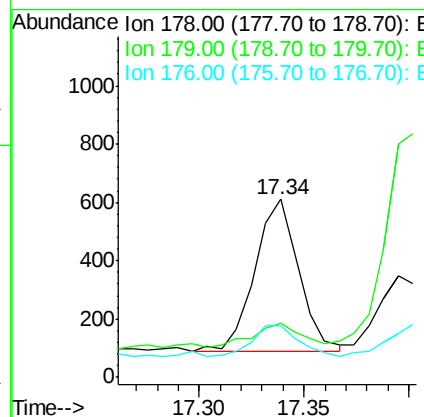
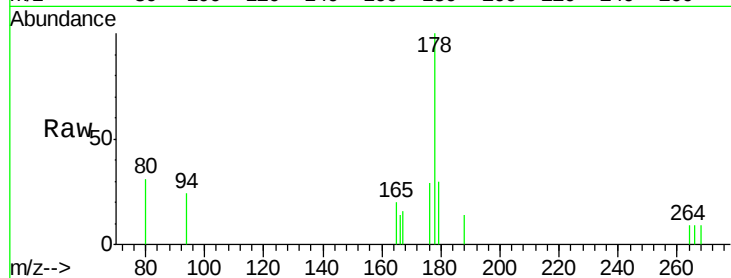
ClientSampled :

C0AH8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 764   |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 30.2  | 12.8  | 19.2# |
| 176       | 28.7  | 14.9  | 22.3# |

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#15

Fluoranthene

Concen: 0.096 ng/ul m

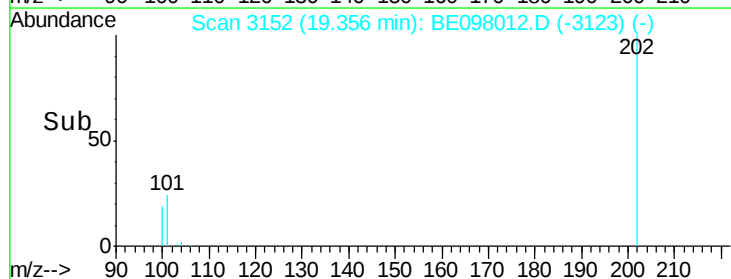
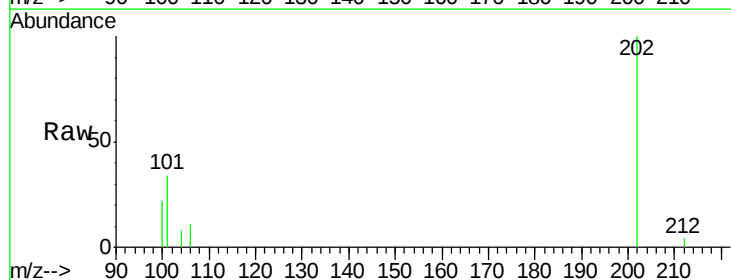
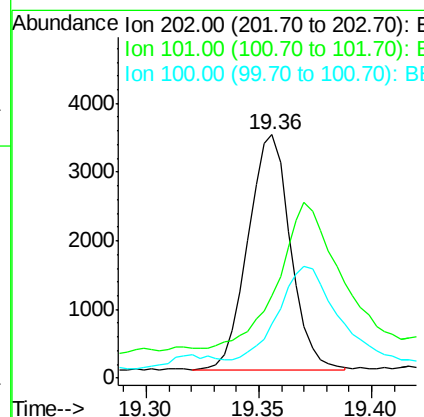
RT: 19.36 min Scan# 3152

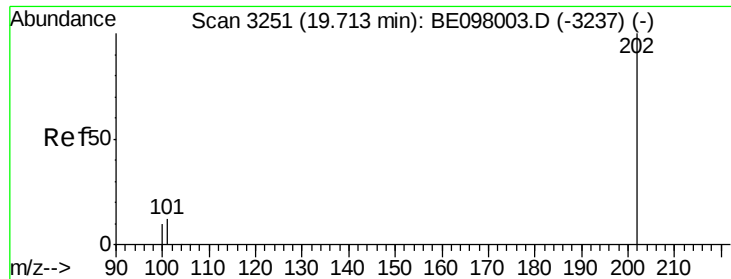
Delta R.T. 0.00 min

Lab File: BE098012.D

Acq: 22 Oct 2018 16:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 4500  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 33.9  | 0.0   | 29.3# |
| 100       | 22.4  | 0.0   | 27.5  |





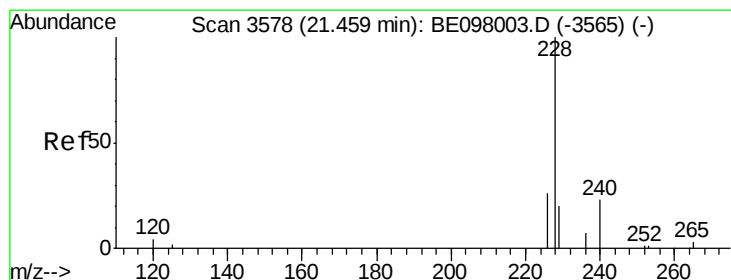
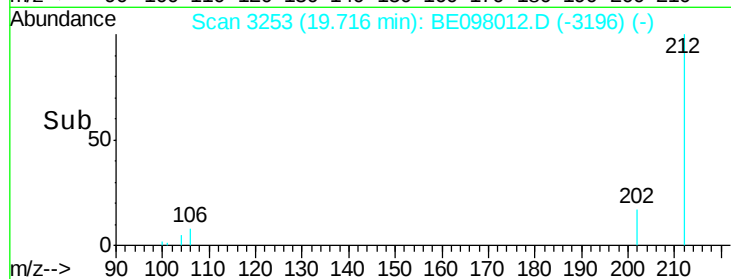
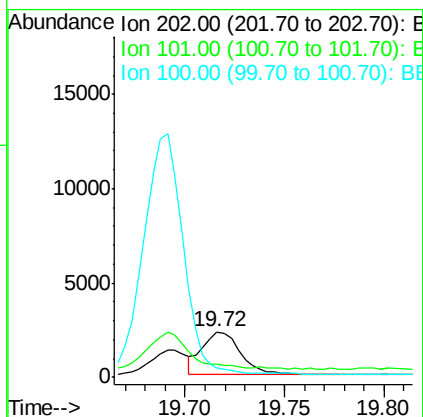
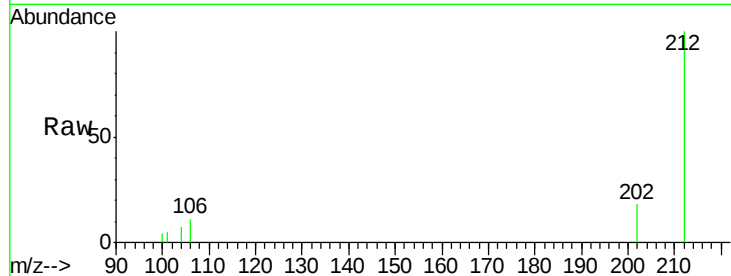
#17  
 Pyrene  
 Concen: 0.078 ng/u1  
 RT: 19.72 min Scan# 3253  
 Delta R.T. 0.00 min  
 Lab File: BE098012.D  
 Acq: 22 Oct 2018 16:16

Instrument :  
 BNA\_E  
 ClientSampleId :  
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| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 3040 |       |       |
| 101     | 28.3  | 8.8  | 13.2# |       |
| 100     | 21.1  | 7.9  | 11.9# |       |

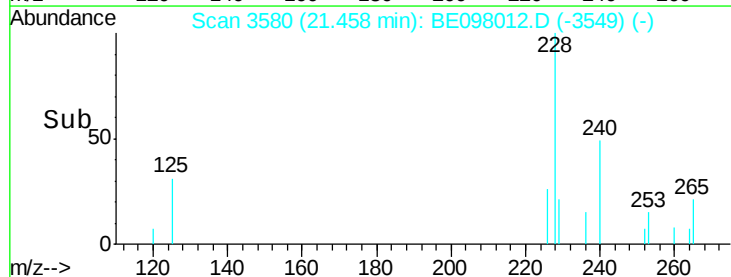
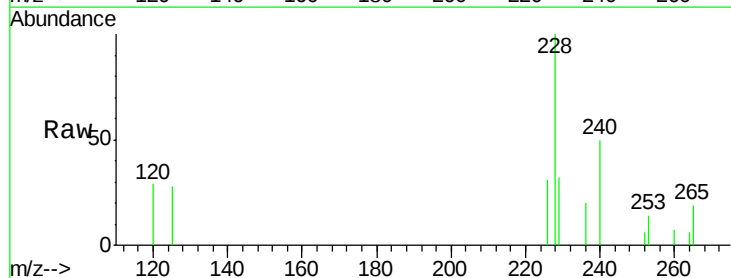
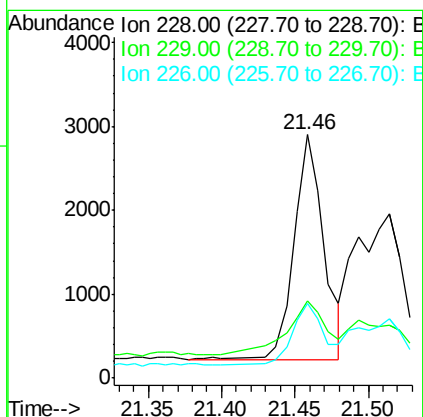
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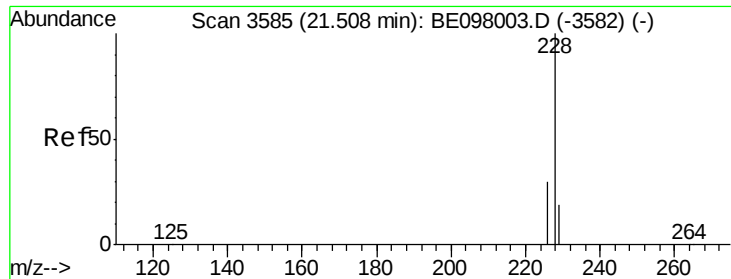
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#18  
 Benzo(a)anthracene  
 Concen: 0.103 ng/u1  
 RT: 21.46 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: BE098012.D  
 Acq: 22 Oct 2018 16:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   | 4519 |       |       |
| 229     | 31.5  | 16.4 | 24.6# |       |
| 226     | 30.8  | 21.5 | 32.3  |       |





#19

Chrysene

Concen: 0.092 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE098012.D

Acq: 22 Oct 2018 16:16

Instrument :

BNA\_E

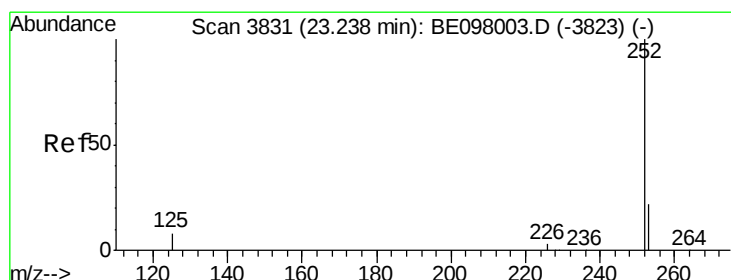
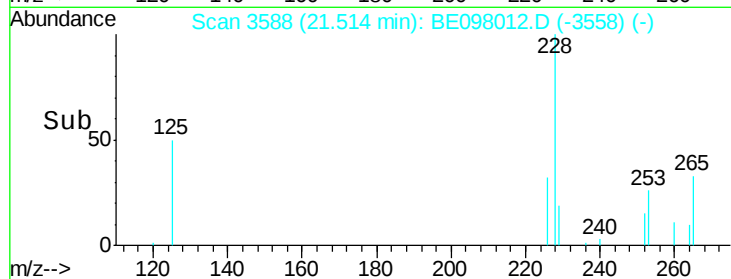
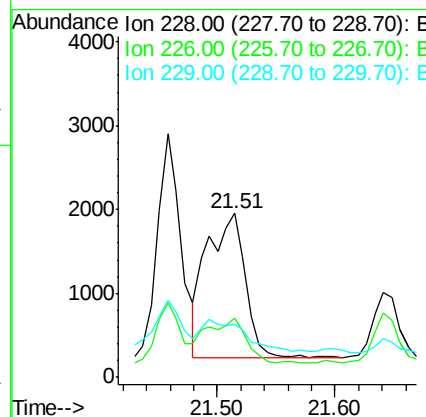
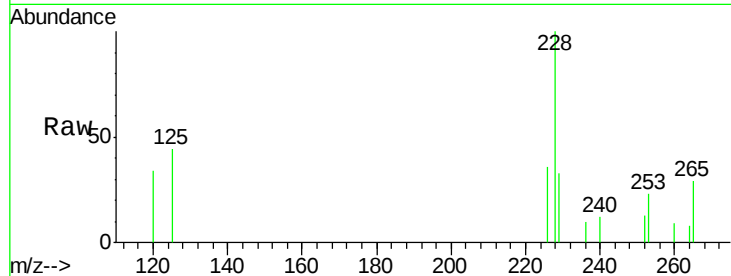
ClientSampled :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 3897  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 36.5  | 23.0  | 34.4# |
| 229       | 32.6  | 15.5  | 23.3# |

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#21

Benzo(b)fluoranthene

Concen: 0.330 ng/ul m

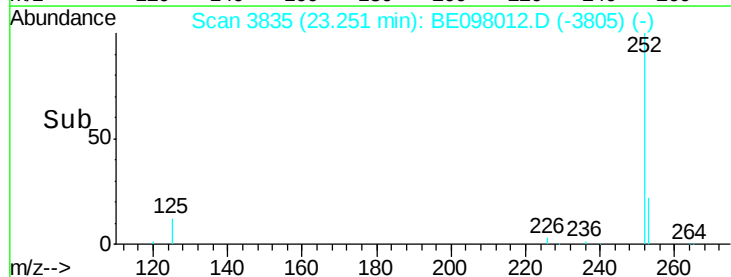
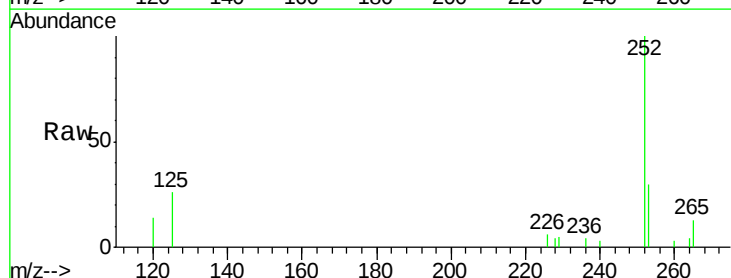
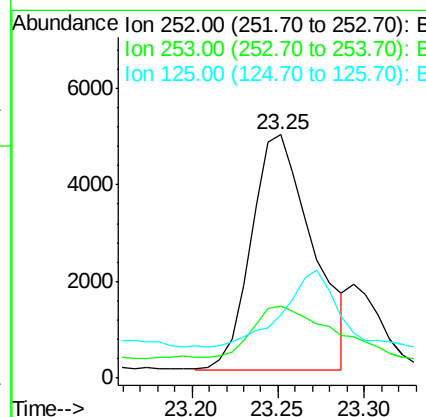
RT: 23.25 min Scan# 3835

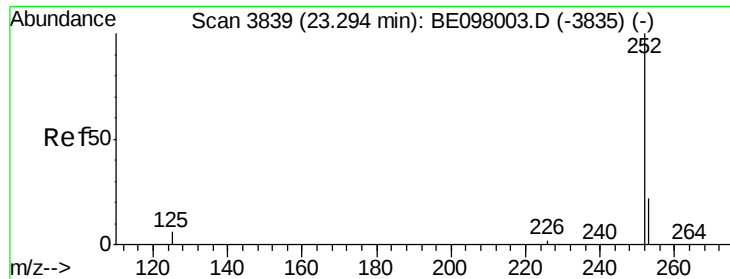
Delta R.T. 0.01 min

Lab File: BE098012.D

Acq: 22 Oct 2018 16:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12041 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 29.7  | 0.0   | 47.0  |
| 125       | 25.7  | 0.0   | 18.2# |





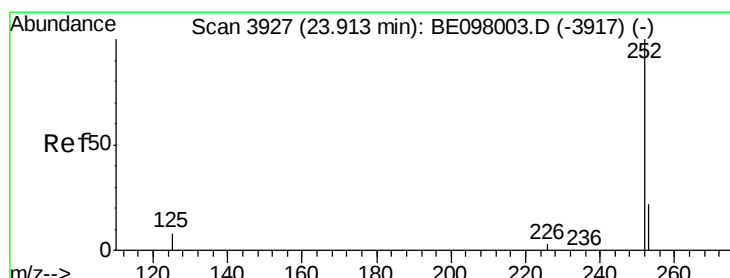
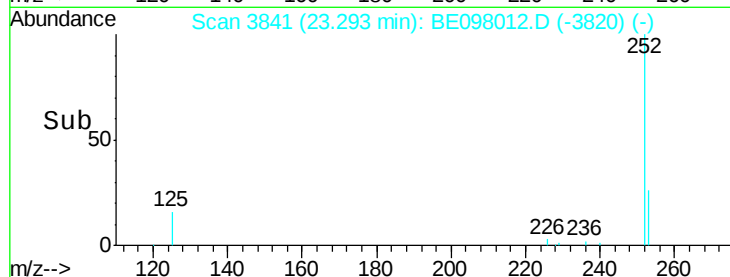
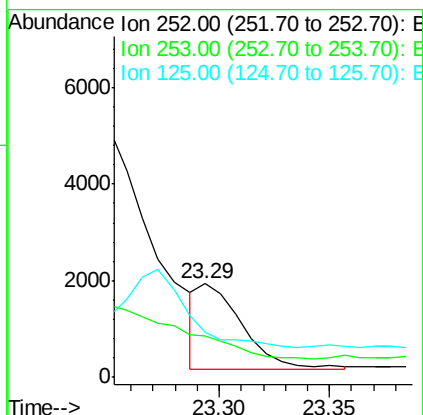
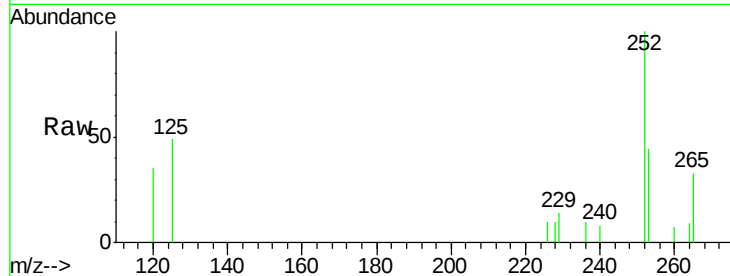
#22  
Benzo(k)fluoranthene  
Concen: 0.059 ng/ul m  
RT: 23.29 min Scan# 3841  
Delta R.T. -0.00 min  
Lab File: BE098012.D  
Acq: 22 Oct 2018 16:16

Instrument :  
BNA\_E  
ClientSampleId :  
C0AH8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 44.1  | 17.8  | 26.6# |
| 125     | 48.6  | 9.4   | 14.0# |

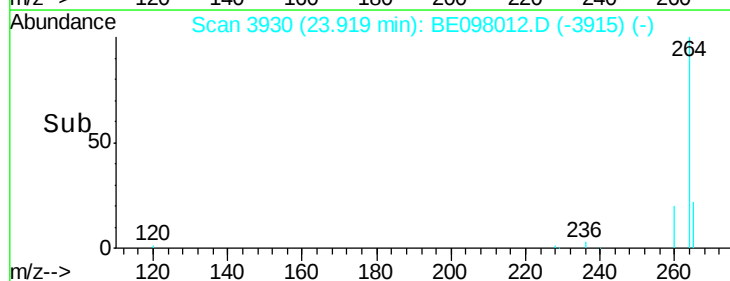
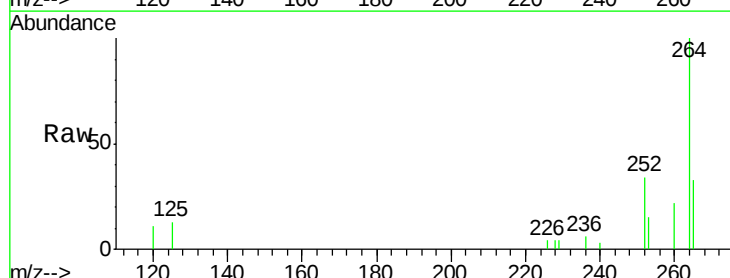
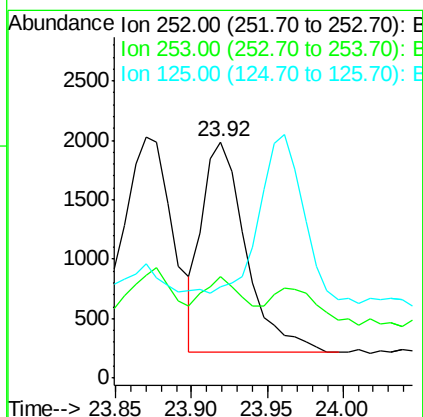
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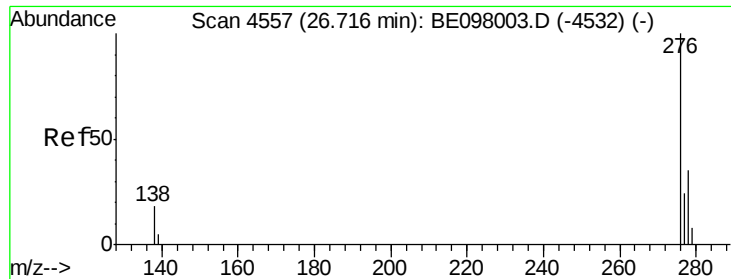
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#23  
Benzo(a)pyrene  
Concen: 0.107 ng/ul  
RT: 23.92 min Scan# 3930  
Delta R.T. 0.01 min  
Lab File: BE098012.D  
Acq: 22 Oct 2018 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 42.7  | 18.2  | 27.4# |
| 125     | 38.4  | 8.3   | 12.5# |





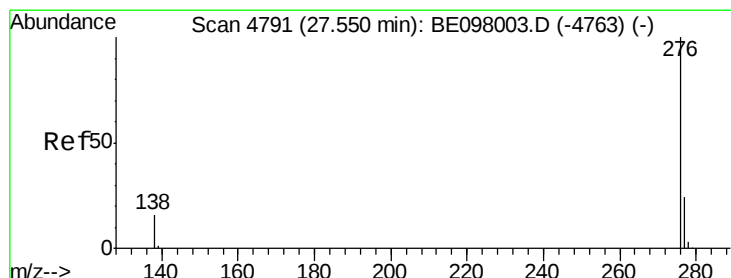
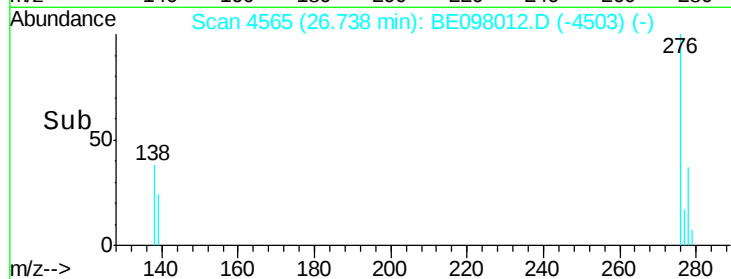
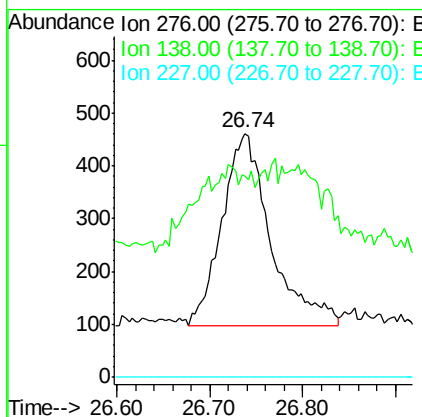
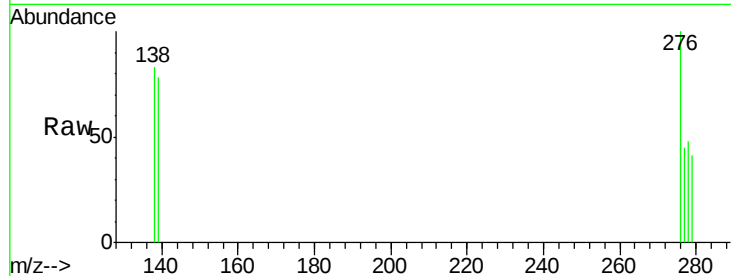
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.035 ng/u1  
 RT: 26.74 min Scan# 4565  
 Delta R.T. 0.02 min  
 Lab File: BE098012.D  
 Acq: 22 Oct 2018 16:16

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AH8

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 0.0   | 0.0        | 0.0        |
| 227     | 0.0   | 0.0        | 0.0        |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.041 ng/u1  
 RT: 27.56 min Scan# 4796  
 Delta R.T. 0.01 min  
 Lab File: BE098012.D  
 Acq: 22 Oct 2018 16:16

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 58.4  | 14.3       | 21.5#      |
| 277     | 46.1  | 19.5       | 29.3#      |

