

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070918\  
 Data File : BE096885.D  
 Acq On : 9 Jul 2018 17:33  
 Operator : SJ/JU  
 Sample : J3721-05DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F1H16DL

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Quant Time: Jul 09 18:14:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE070618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 07 07:26:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 3114     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.14 | 136  | 16924    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.03 | 164  | 9949     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.77 | 188  | 24131    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 20.98 | 240  | 23248    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.22 | 264  | 27308    | 0.40 | ng/ul | 0.00     |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 11.74 | 152 | 1681 | 0.06 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 18.81 | 212 | 4011 | 0.07 | ng/ul | 0.00 |

|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Qvalue |        |    |
| 7) Acenaphthylene          | 13.74 | 152 | 4222   | 0.104  | ng/ul  | 99 |
| 12) Phenanthrene           | 16.82 | 178 | 4055   | 0.065  | ng/ul# | 90 |
| 13) Anthracene             | 16.91 | 178 | 4143   | 0.078  | ng/ul# | 92 |
| 15) Fluoranthene           | 18.85 | 202 | 22504  | 0.340  | ng/ul  | 84 |
| 17) Pyrene                 | 19.21 | 202 | 48573  | 0.637  | ng/ul# | 81 |
| 18) Benzo(a)anthracene     | 20.96 | 228 | 39915  | 0.728  | ng/ul# | 84 |
| 19) Chrysene               | 21.02 | 228 | 45409  | 0.639  | ng/ul  | 98 |
| 21) Benzo(b)fluoranthene   | 22.54 | 252 | 88805m | 1.192  | ng/ul  |    |
| 22) Benzo(k)fluoranthene   | 22.58 | 252 | 30047m | 0.369  | ng/ul  |    |
| 23) Benzo(a)pyrene         | 23.11 | 252 | 53878  | 0.855  | ng/ul# | 77 |
| 24) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 30704  | 0.469  | ng/ul# | 74 |
| 25) Dibenzo(a,h)anthracene | 25.52 | 278 | 7286   | 0.140  | ng/ul  | 92 |
| 26) Benzo(g,h,i)perylene   | 26.20 | 276 | 25047  | 0.394  | ng/ul# | 93 |

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

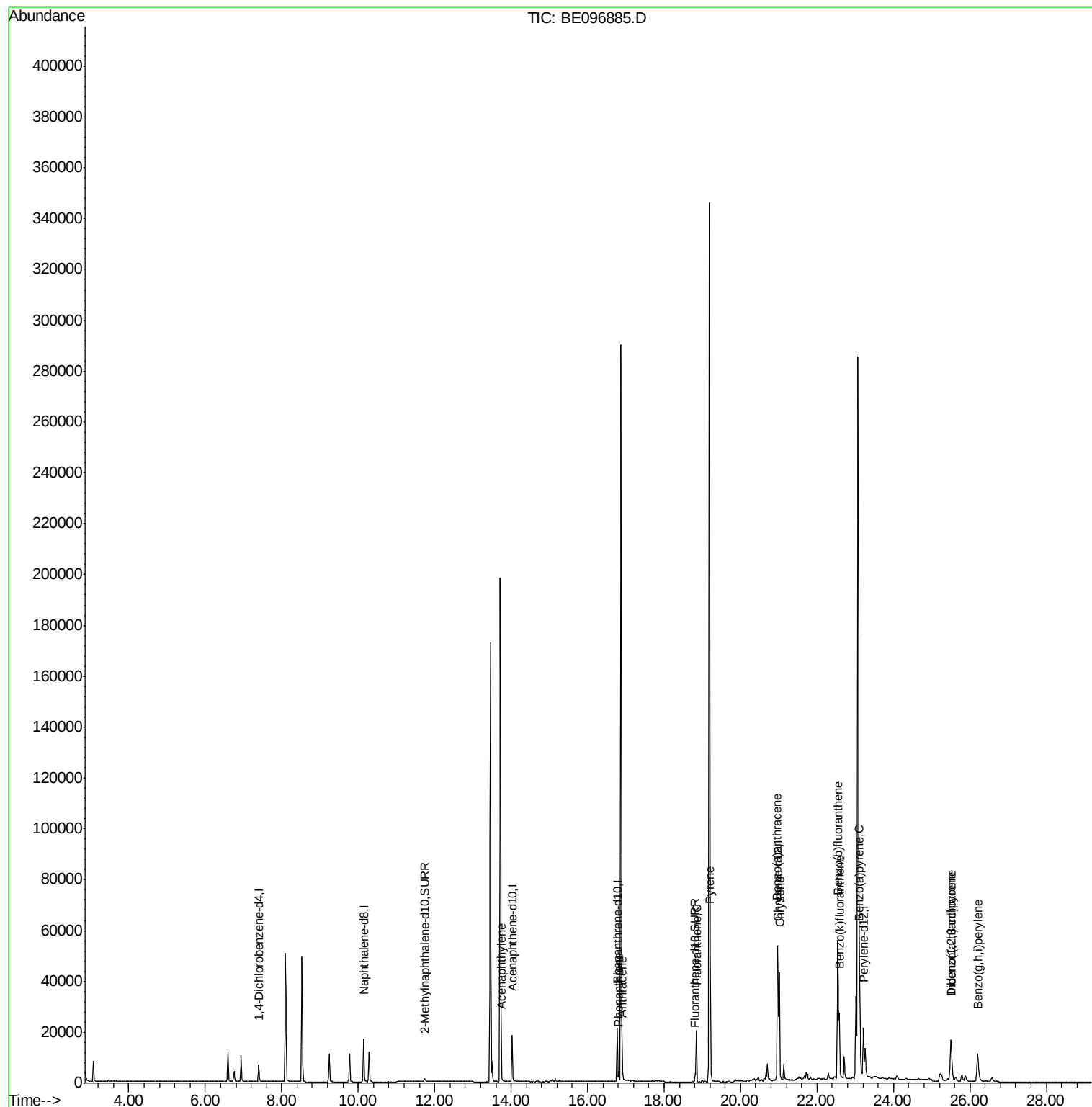
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070918\  
Data File : BE096885.D  
Acq On : 9 Jul 2018 17:33  
Operator : SJ/JU  
Sample : J3721-05DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

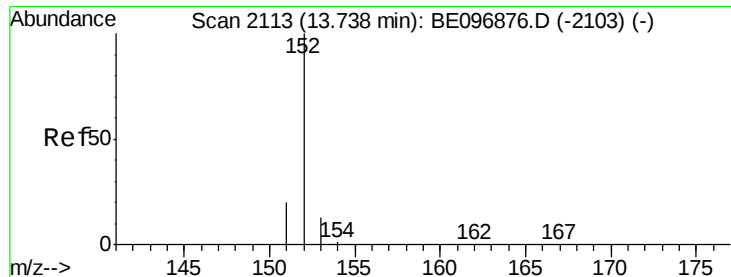
Instrument :  
BNA\_E  
ClientSampleId :  
F1H16DL

Quant Time: Jul 09 18:14:35 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE070618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 07 07:26:18 2018  
Response via : Initial Calibration

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#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 13.74 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

Instrument :

BNA\_E

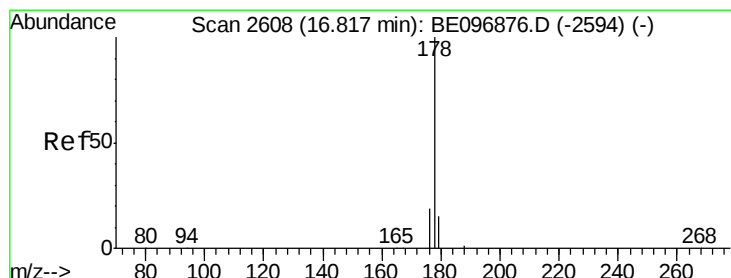
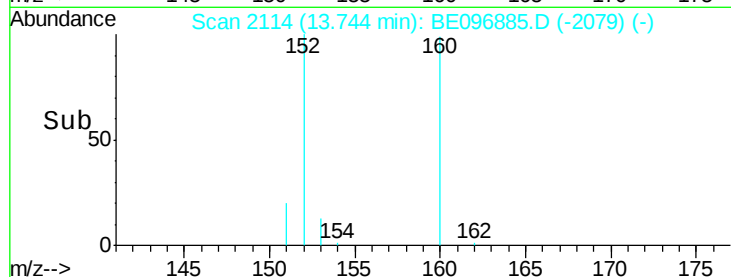
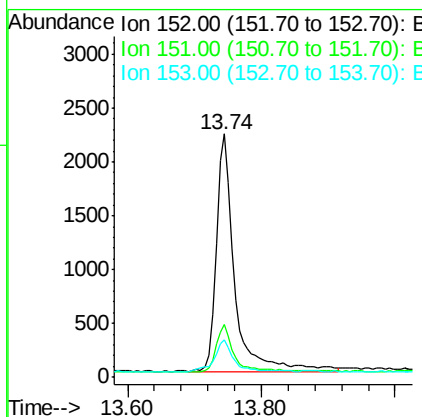
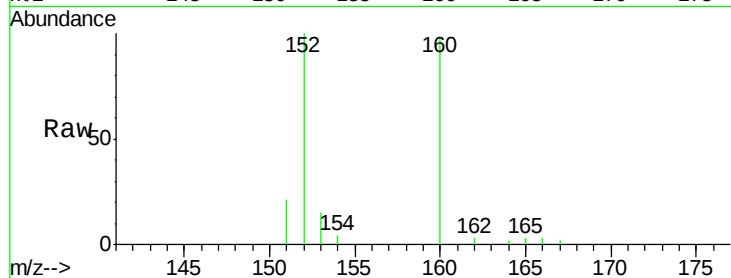
ClientSampleId :

F1H16DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 4222 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.5  | 17.1  | 25.7 |
| 153       | 15.3  | 12.8  | 19.2 |

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#12

Phenanthrene

Concen: 0.065 ng/ul

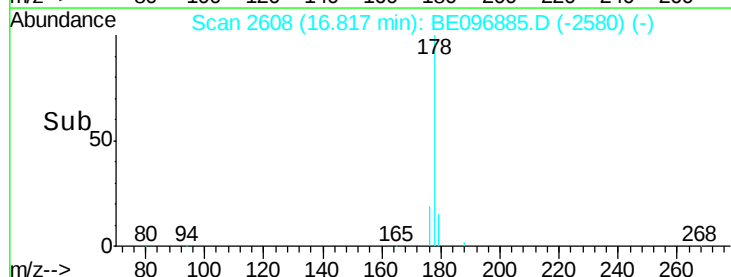
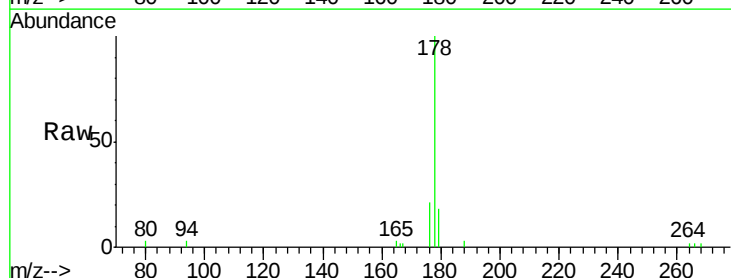
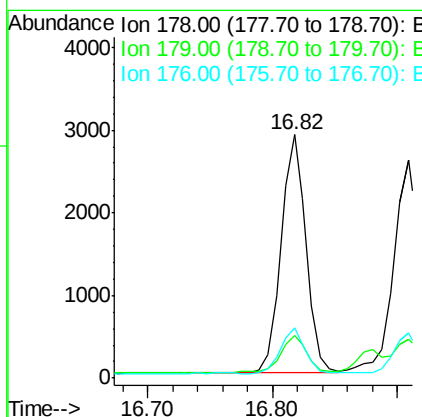
RT: 16.82 min Scan# 2608

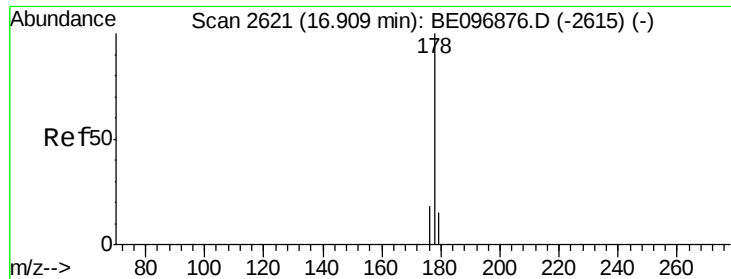
Delta R.T. -0.00 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 4055  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 17.5  | 18.4  | 27.6# |
| 176       | 20.8  | 13.6  | 20.4# |





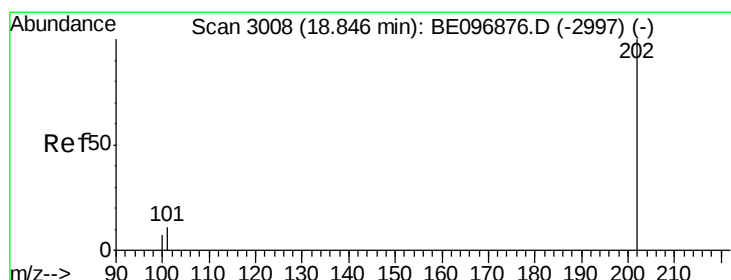
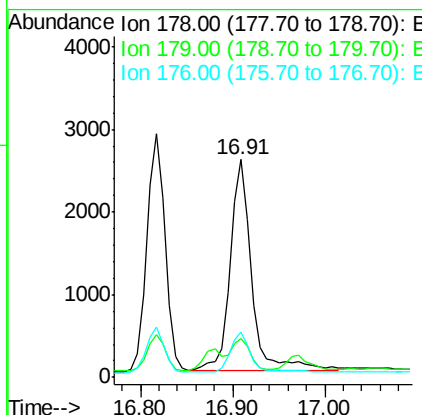
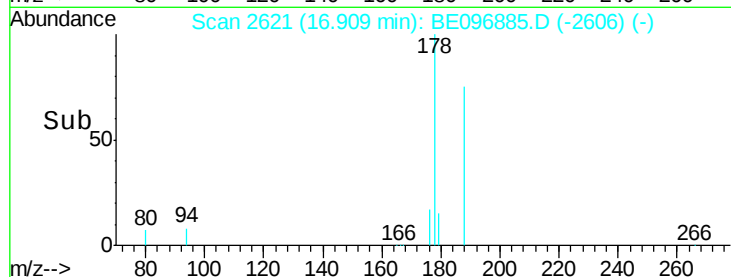
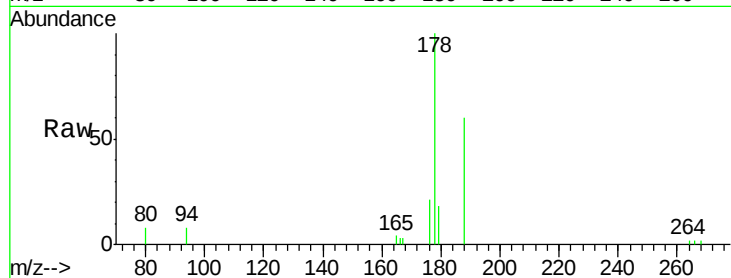
#13  
 Anthracene  
 Concen: 0.078 ng/ul  
 RT: 16.91 min Scan# 2621  
 Delta R.T. 0.01 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F1H16DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.7  | 18.1  | 27.1# |
| 176     | 20.5  | 14.7  | 22.1  |

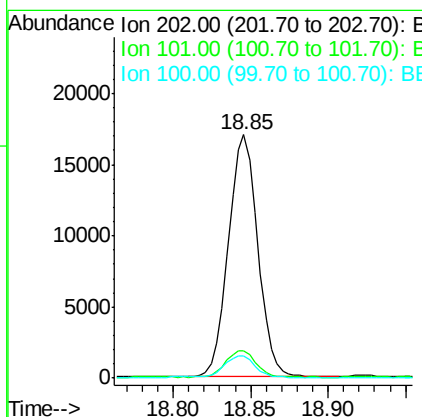
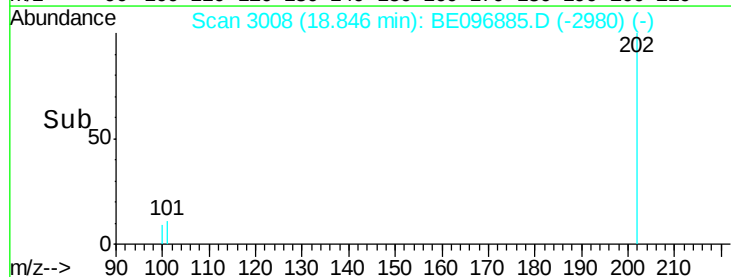
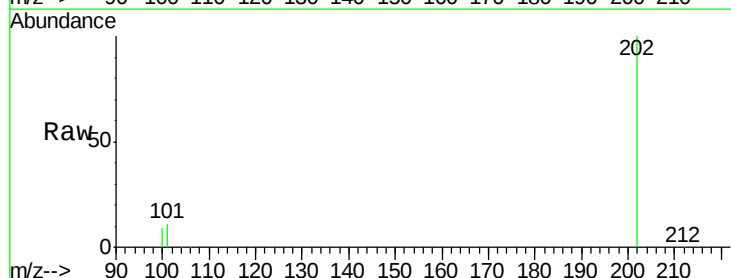
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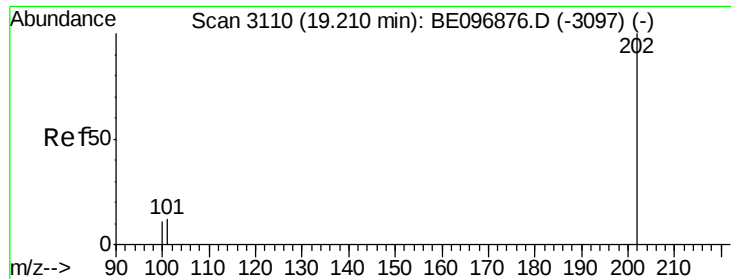
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#15  
 Fluoranthene  
 Concen: 0.340 ng/ul  
 RT: 18.85 min Scan# 3008  
 Delta R.T. 0.00 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.1  | 0.0   | 30.3  |
| 100     | 8.9   | 0.0   | 39.5  |





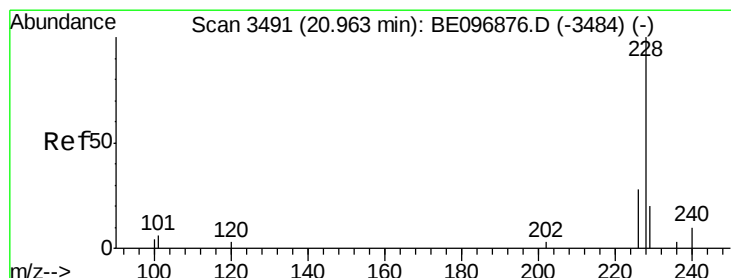
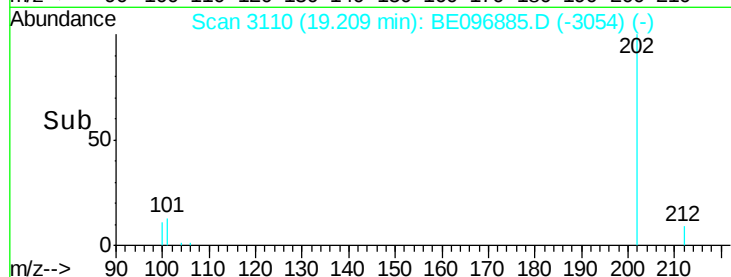
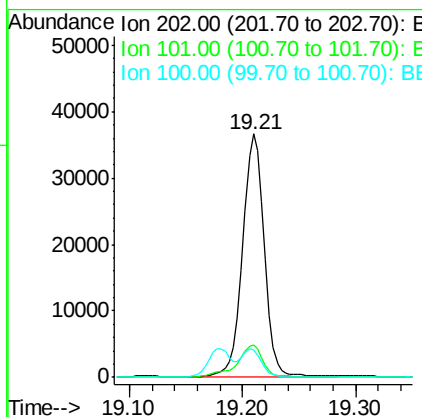
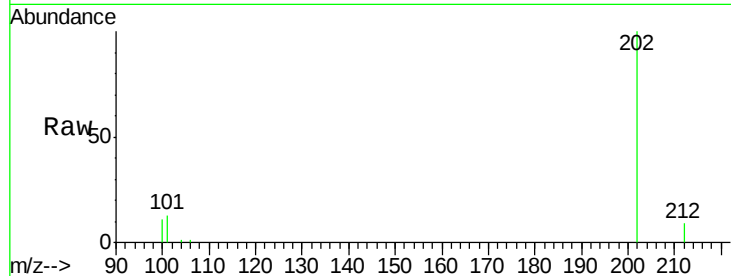
#17  
 Pyrene  
 Concen: 0.637 ng/ul  
 RT: 19.21 min Scan# 3110  
 Delta R.T. 0.00 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

Instrument :  
 BNA\_E  
 ClientSampleID :  
 F1H16DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 13.4  | 18.2       | 27.4#      |
| 100     | 11.2  | 15.6       | 23.4#      |

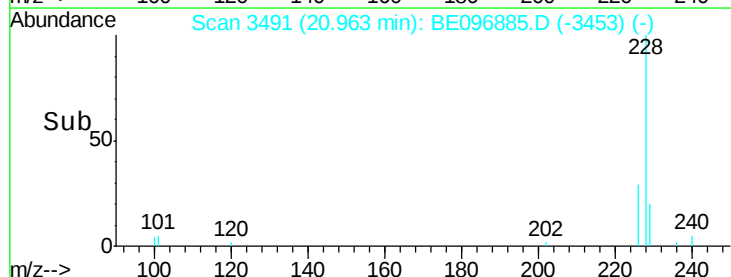
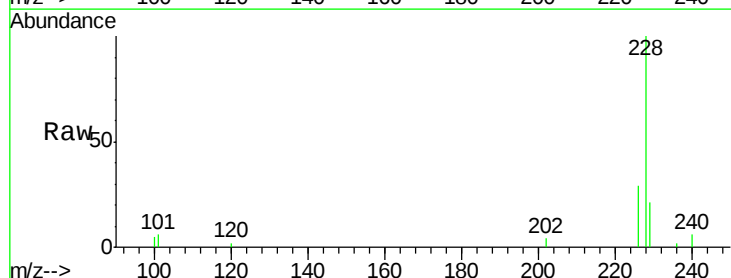
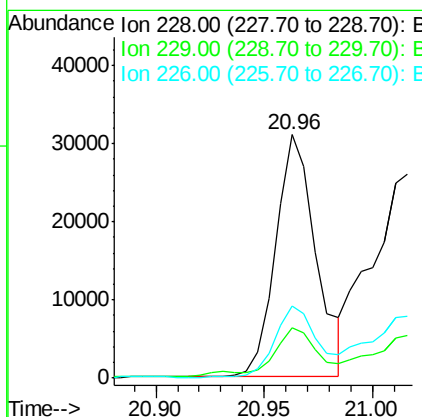
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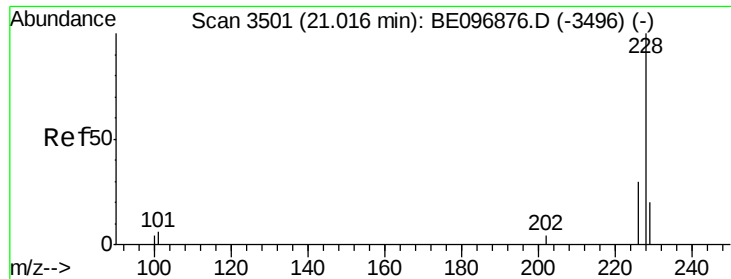
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#18  
 Benzo(a)anthracene  
 Concen: 0.728 ng/ul  
 RT: 20.96 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 20.7  | 22.8       | 34.2#      |
| 226     | 29.4  | 17.0       | 25.6#      |





#19

Chrysene

Concen: 0.639 ng/ul

RT: 21.02 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

Instrument :

BNA\_E

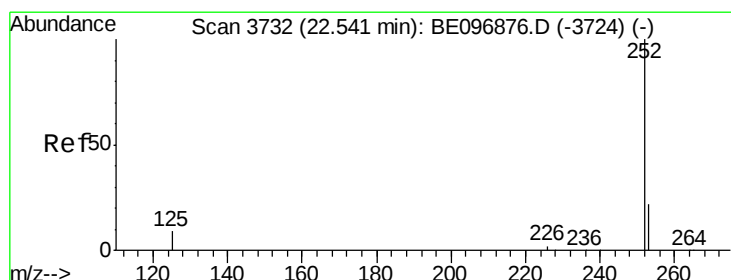
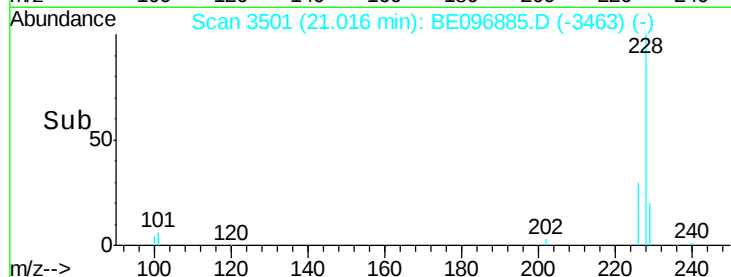
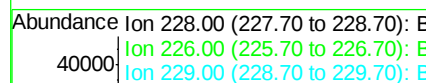
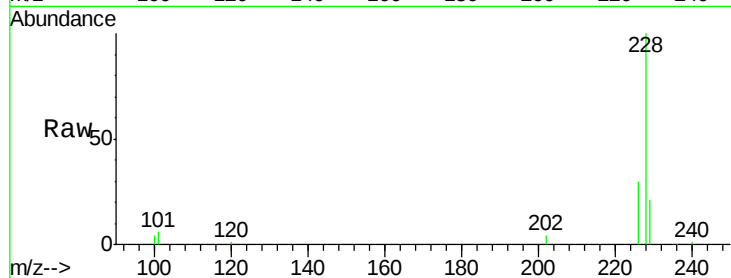
ClientSampleId :

F1H16DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 45409 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.1  | 23.4  | 35.0  |
| 229       | 20.8  | 17.7  | 26.5  |

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#21

Benzo(b)fluoranthene

Concen: 1.192 ng/ul m

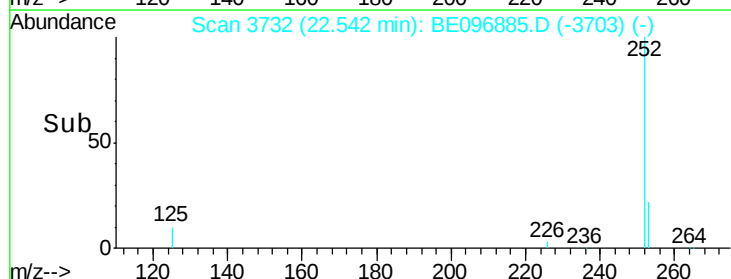
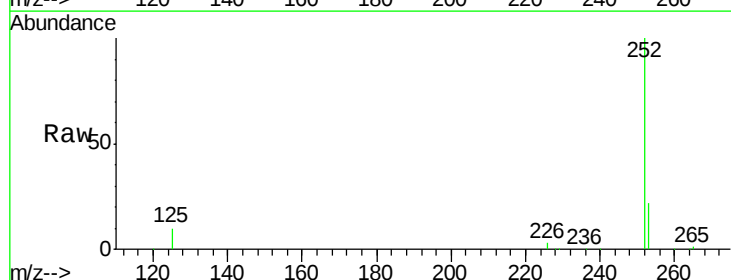
RT: 22.54 min Scan# 3732

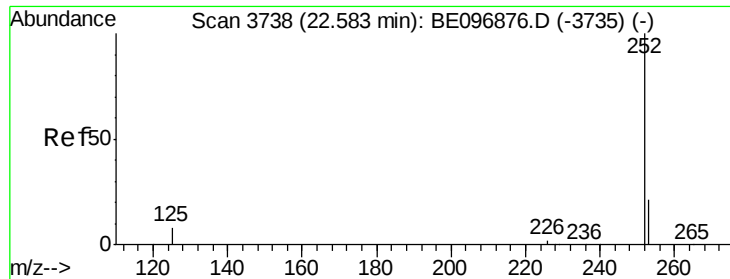
Delta R.T. 0.00 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 88805 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.5  | 0.0   | 64.2  |
| 125       | 9.8   | 0.0   | 35.0  |





#22

Benzo(k)fluoranthene

Concen: 0.369 ng/ul m

RT: 22.58 min Scan# 3738

Delta R.T. 0.00 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

Instrument :

BNA\_E

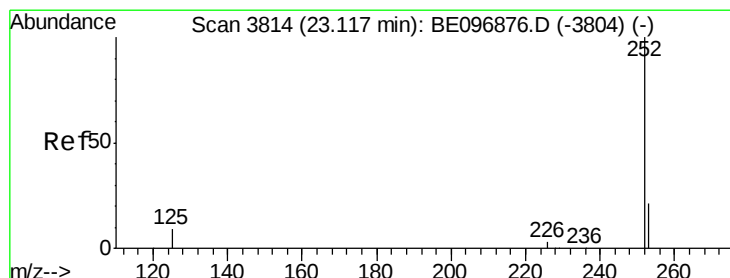
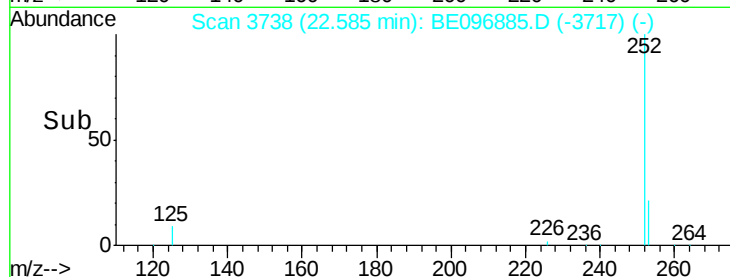
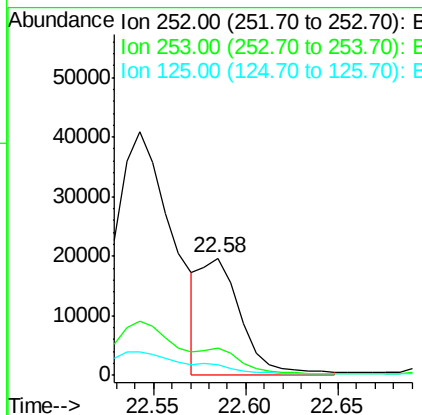
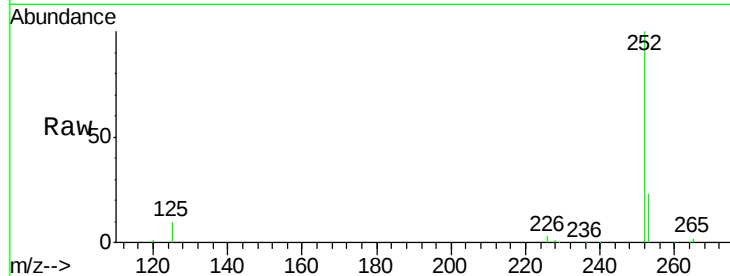
ClientSampleId :

F1H16DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 30047 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.9  | 24.5  | 36.7# |
| 125       | 9.5   | 13.7  | 20.5# |

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#23

Benzo(a)pyrene

Concen: 0.855 ng/ul

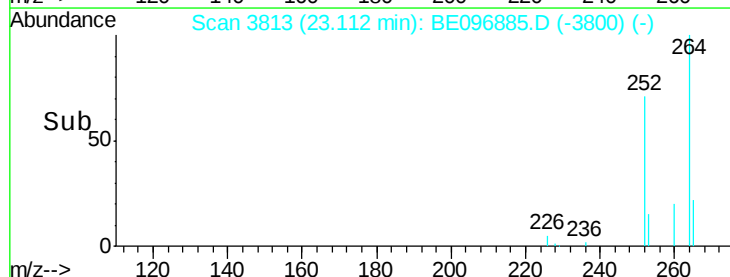
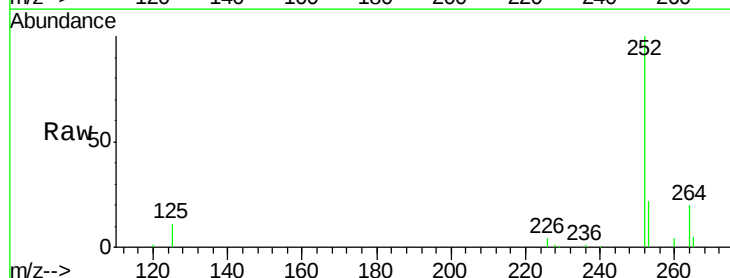
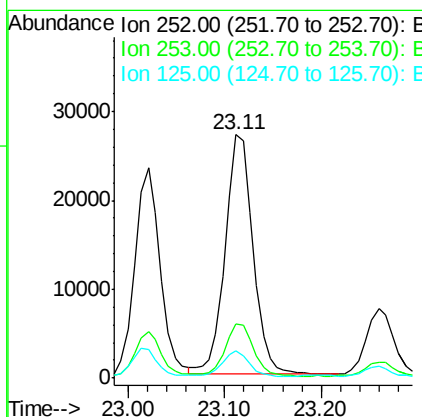
RT: 23.11 min Scan# 3813

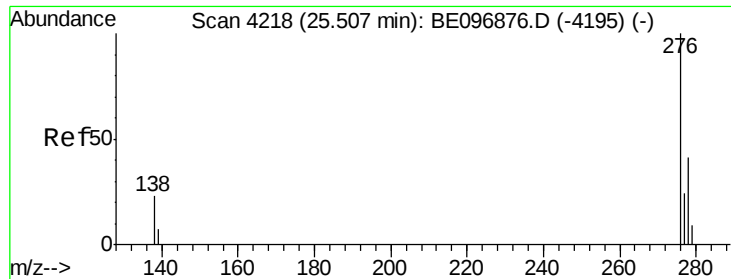
Delta R.T. -0.01 min

Lab File: BE096885.D

Acq: 9 Jul 2018 17:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 53878 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.3  | 28.5  | 42.7# |
| 125       | 11.0  | 18.1  | 27.1# |





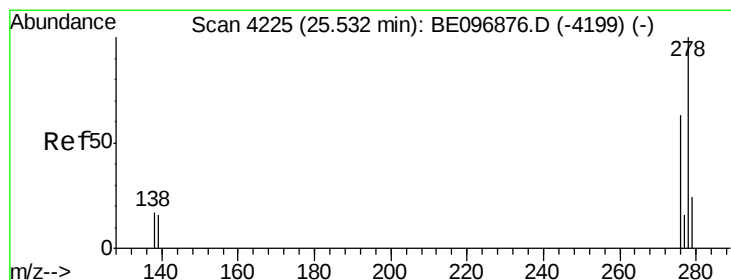
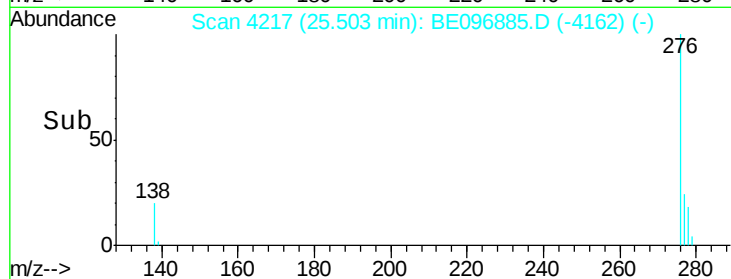
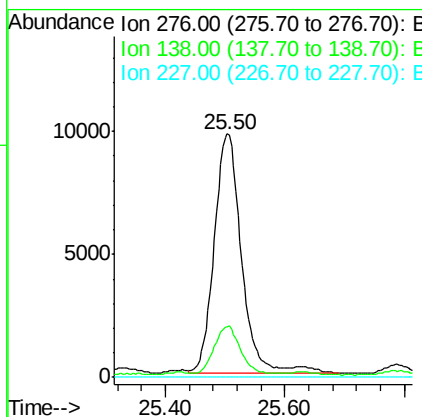
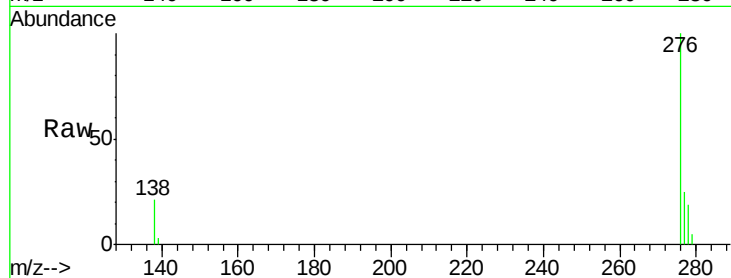
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.469 ng/u1  
 RT: 25.50 min Scan# 4217  
 Delta R.T. -0.00 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F1H16DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 276     | 100   | 30704 |       |       |
| 138     | 19.9  | 28.0  | 42.0# |       |
| 227     | 0.0   | 8.0   | 12.0# |       |

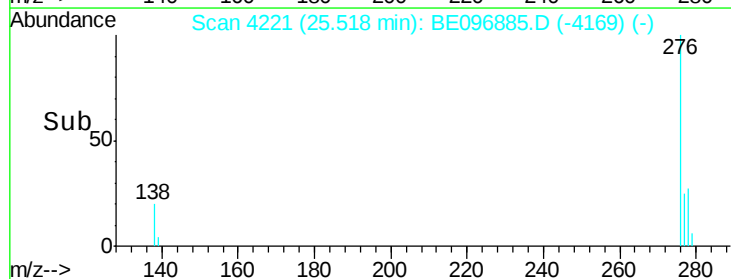
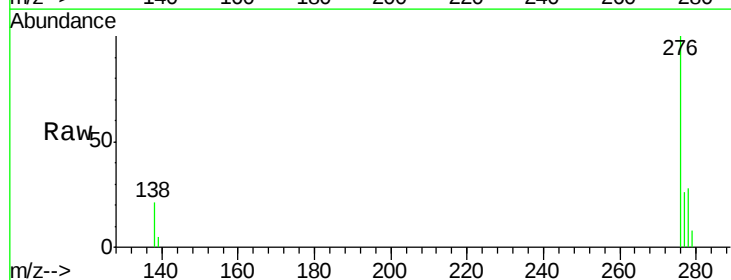
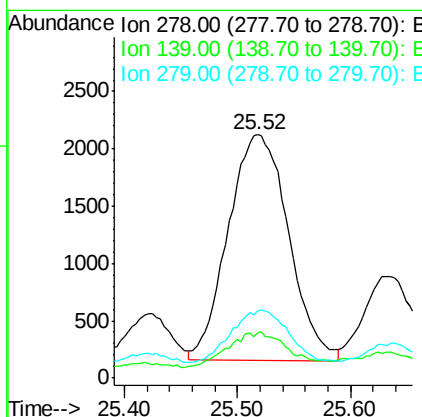
Manual Integrations  
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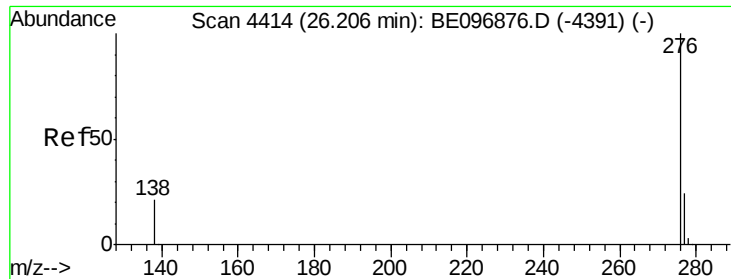
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#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.140 ng/u1  
 RT: 25.52 min Scan# 4221  
 Delta R.T. -0.01 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 278     | 100   | 7286 |       |       |
| 139     | 18.7  | 17.4 | 26.0  |       |
| 279     | 27.7  | 25.9 | 38.9  |       |





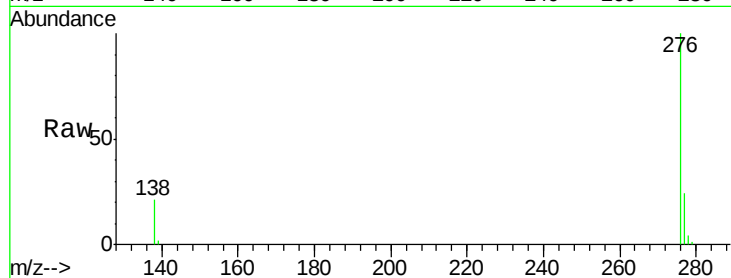
#26  
 Benzo(g,h,i)perylene  
 Concen: 0.394 ng/ul  
 RT: 26.20 min Scan# 4413  
 Delta R.T. -0.01 min  
 Lab File: BE096885.D  
 Acq: 9 Jul 2018 17:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F1H16DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.1  | 21.8  | 32.8# |
| 277     | 24.3  | 20.5  | 30.7  |

Manual Integrations  
 APPROVED

Sohil  
 7/10/2018 2:56:35 PM



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

