

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002483.D  
 Acq On : 24 Aug 2018 01:25  
 Operator : JU/SJ  
 Sample : J4421-09DL 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AA7DL

Manual Integrations  
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Quant Time: Aug 24 04:27:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 1840     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.45 | 136  | 7428     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.31 | 164  | 4183     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 9995     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.25 | 240  | 10803    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.47 | 264  | 9645m    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.07 | 152  | 427      | 0.04   | ng/ul  | 0.02     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 1242     | 0.04   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.03 | 152  | 2030     | 0.104  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.09 | 178  | 6455     | 0.218  | ng/ul# | 89       |
| 13) Anthracene              | 17.19 | 178  | 1062     | 0.042  | ng/ul# | 94       |
| 15) Fluoranthene            | 19.12 | 202  | 17605    | 0.506  | ng/ul  | 96       |
| 17) Pyrene                  | 19.48 | 202  | 34177    | 0.928  | ng/ul  | 96       |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 10176    | 0.315  | ng/ul# | 85       |
| 19) Chrysene                | 21.29 | 228  | 11663    | 0.319  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.81 | 252  | 9481m    | 0.274  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.85 | 252  | 3128m    | 0.087  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.37 | 252  | 9173     | 0.282  | ng/ul# | 92       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.69 | 276  | 4242     | 0.125  | ng/ul# | 77       |
| 25) Dibenzo(a,h)anthracene  | 25.70 | 278  | 1105     | 0.041  | ng/ul# | 81       |
| 26) Benzo(g,h,i)perylene    | 26.37 | 276  | 6141     | 0.211  | ng/ul  | 98       |

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

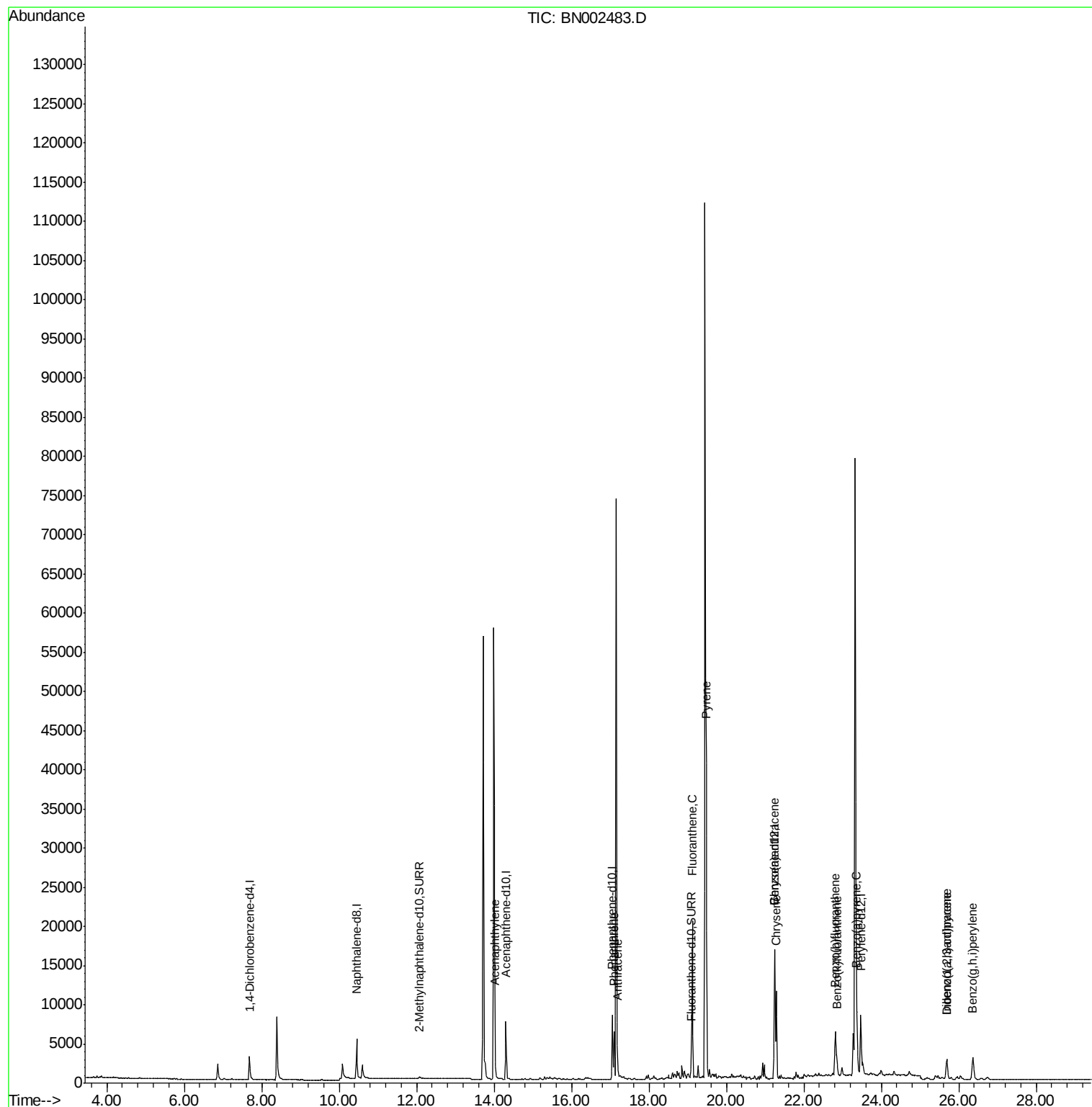
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
Data File : BN002483.D  
Acq On : 24 Aug 2018 01:25  
Operator : JU/SJ  
Sample : J4421-09DL 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

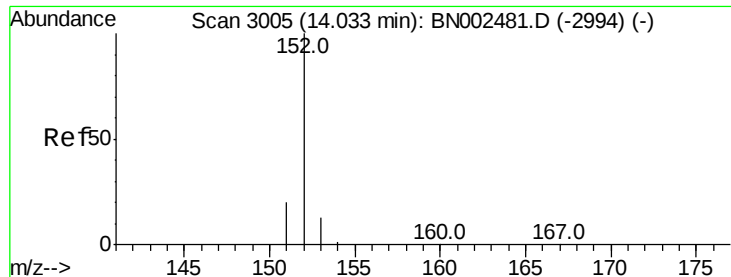
Instrument :  
BNA\_N  
ClientSampleId :  
C0AA7DL

Quant Time: Aug 24 04:27:14 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 24 02:20:09 2018  
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#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 14.03 min Scan# 3004

Delta R.T. -0.00 min

Lab File: BN002483.D

Acq: 24 Aug 2018 01:25

Instrument :

BNA\_N

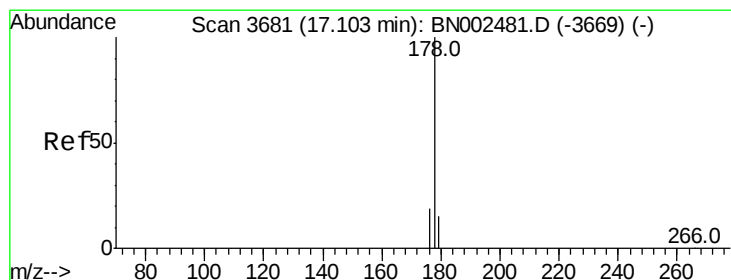
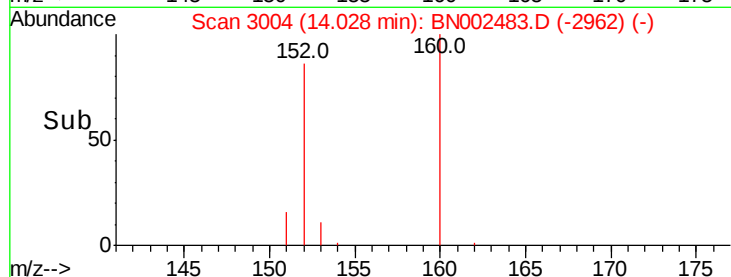
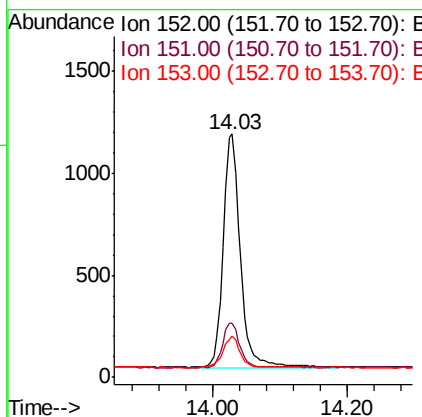
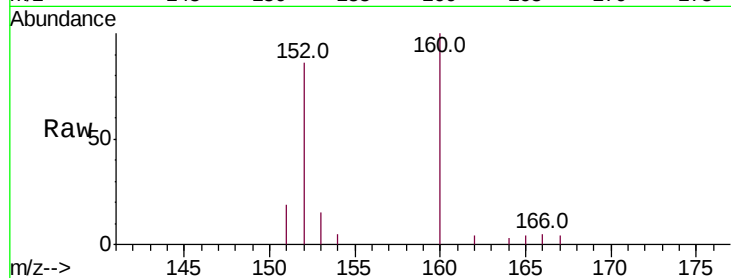
ClientSampleId :

C0AA7DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 152   | Resp: | 2030 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 22.2  | 17.1  | 25.7 |
| 153       | 16.8  | 12.8  | 19.2 |

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#12

Phenanthrene

Concen: 0.218 ng/ul

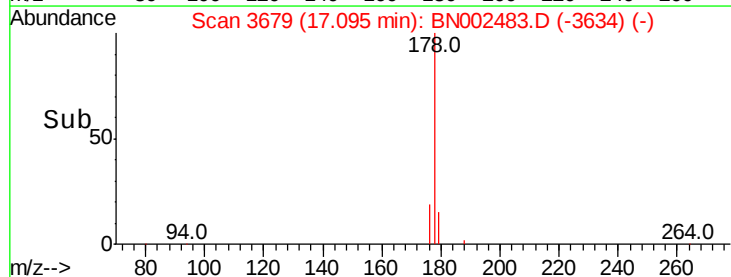
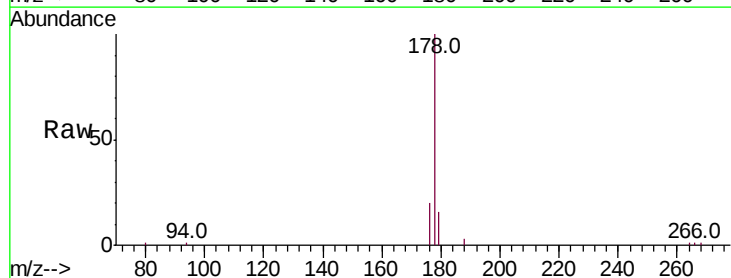
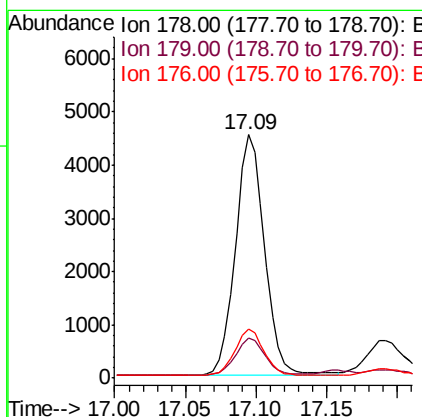
RT: 17.09 min Scan# 3679

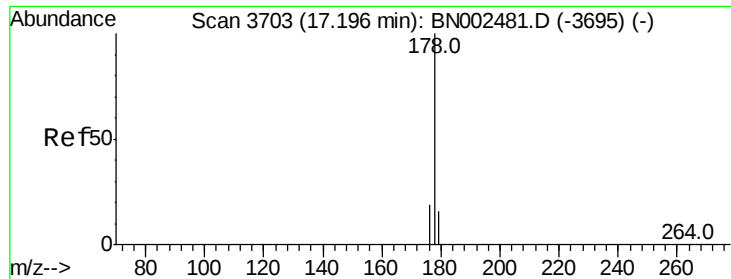
Delta R.T. -0.01 min

Lab File: BN002483.D

Acq: 24 Aug 2018 01:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 6455  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.3  | 18.4  | 27.6# |
| 176       | 20.3  | 13.6  | 20.4  |





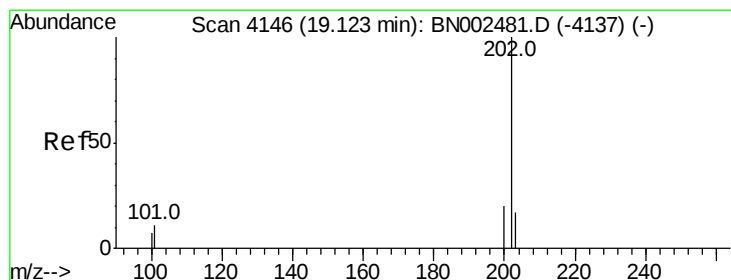
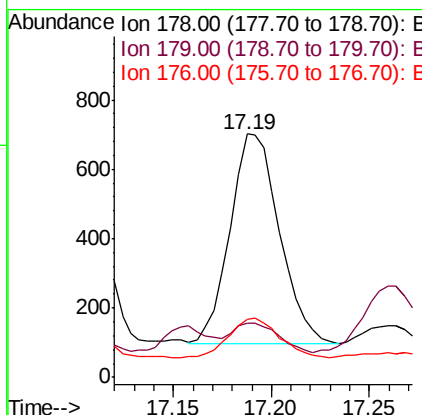
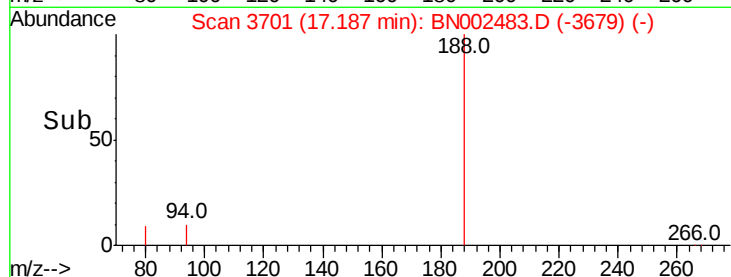
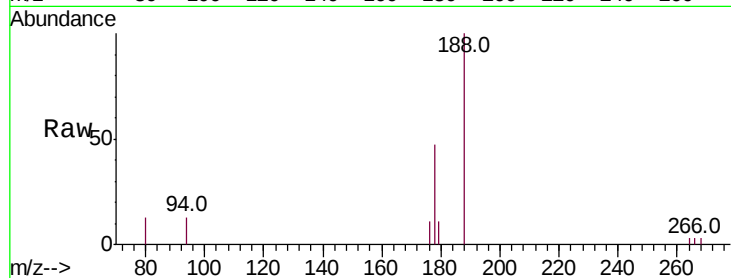
#13  
 Anthracene  
 Concen: 0.042 ng/ul  
 RT: 17.19 min Scan# 3701  
 Delta R.T. -0.01 min  
 Lab File: BN002483.D  
 Acq: 24 Aug 2018 01:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AA7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 22.5  | 18.1  | 27.1  |
| 176     | 23.9  | 14.7  | 22.1  |

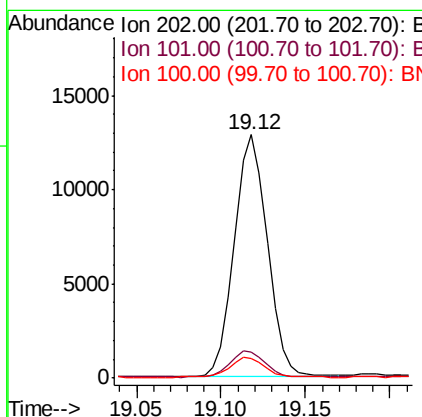
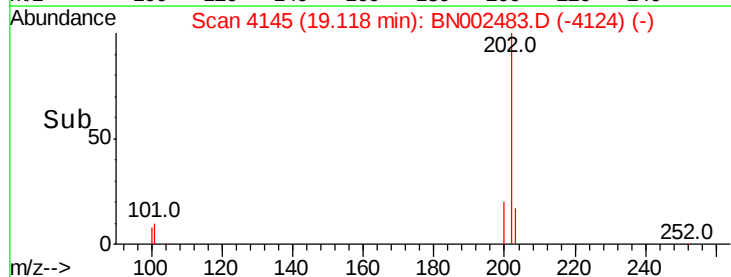
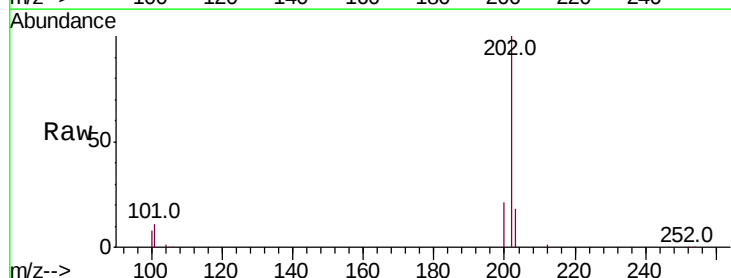
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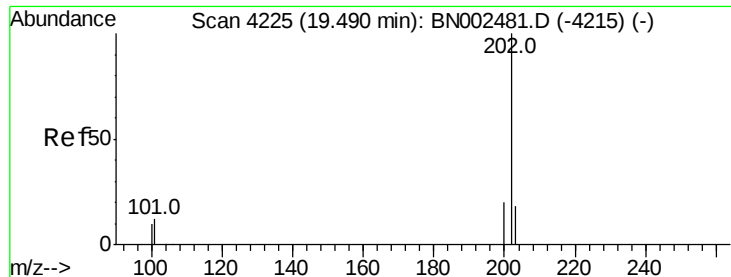
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#15  
 Fluoranthene  
 Concen: 0.506 ng/ul  
 RT: 19.12 min Scan# 4145  
 Delta R.T. -0.00 min  
 Lab File: BN002483.D  
 Acq: 24 Aug 2018 01:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.9  | 0.0   | 30.0  |
| 100     | 8.2   | 0.0   | 30.0  |





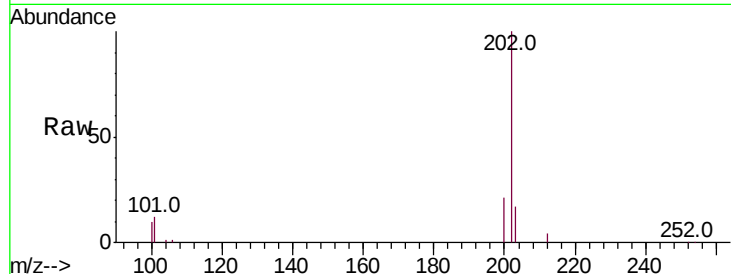
#17  
Pvrene  
Concen: 0.928 ng/ul  
RT: 19.48 min Scan# 4223  
Delta R.T. -0.01 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 12.0  | 18.0  |
| 100     | 10.0  | 8.0   | 12.0  |

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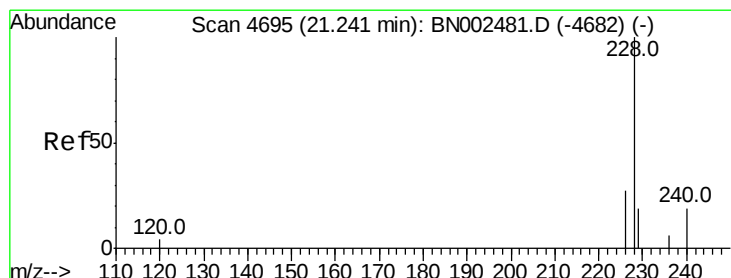
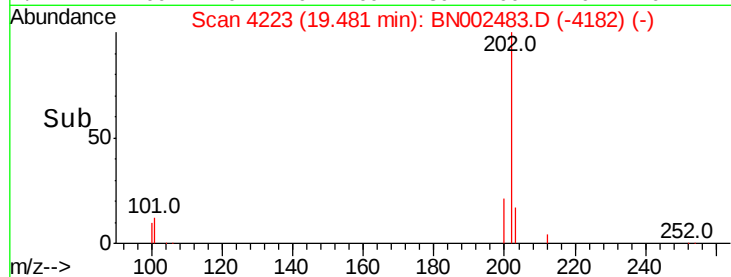
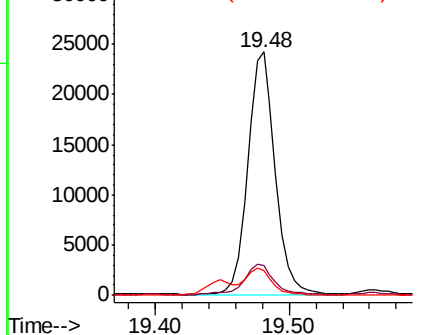


Abundance

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): B



#18  
Benzo(a)anthracene  
Concen: 0.315 ng/ul  
RT: 21.24 min Scan# 4694  
Delta R.T. -0.00 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

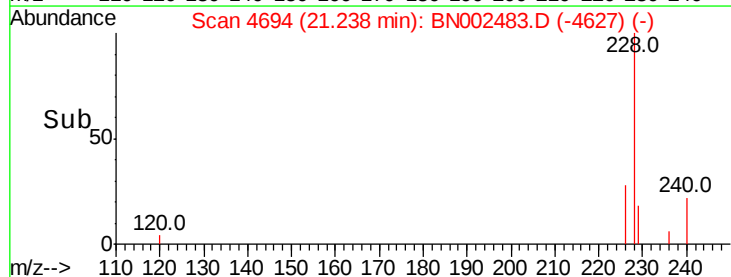
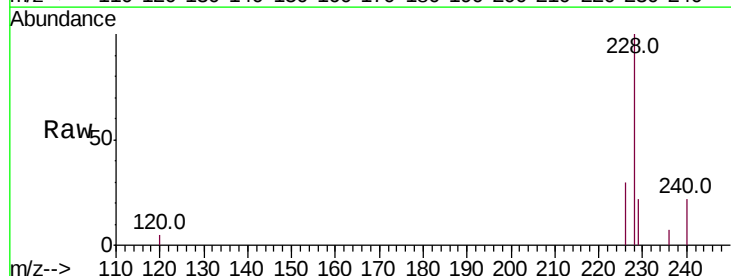
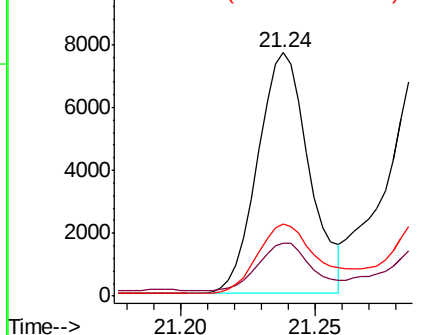
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.9  | 22.8  | 34.2# |
| 226     | 29.9  | 17.0  | 25.6# |

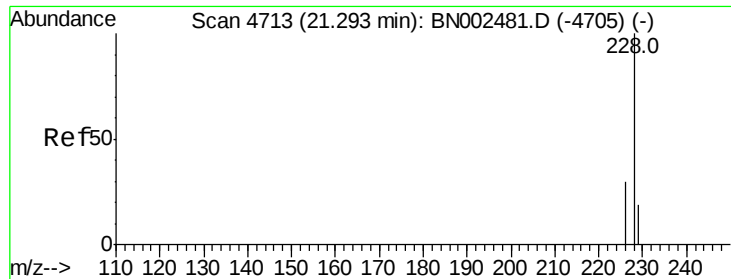
Abundance

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





#19

Chrysene

Concen: 0.319 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. -0.01 min

Lab File: BN002483.D

Acq: 24 Aug 2018 01:25

Instrument :

BNA\_N

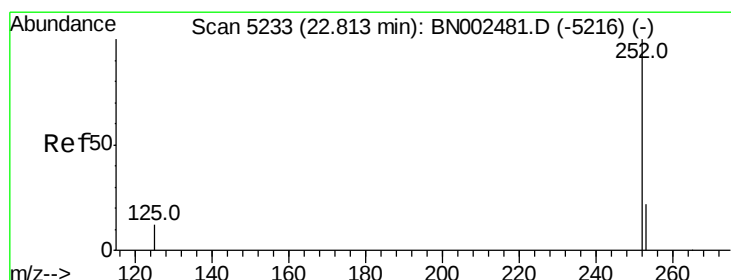
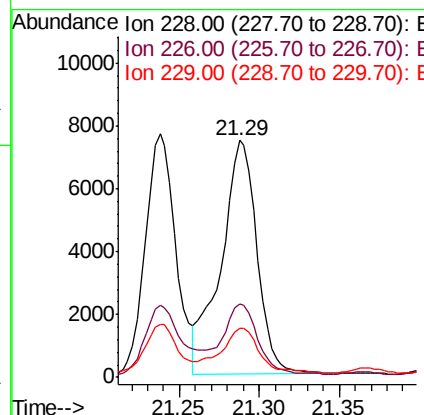
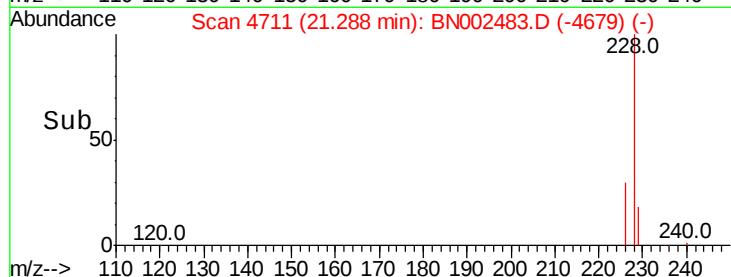
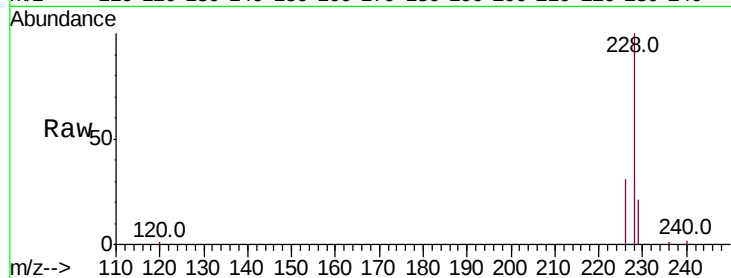
ClientSampleId :

C0AA7DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 11663 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.1  | 23.4  | 35.0  |
| 229       | 20.9  | 17.7  | 26.5  |

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#21

Benzo(b)fluoranthene

Concen: 0.274 ng/ul m

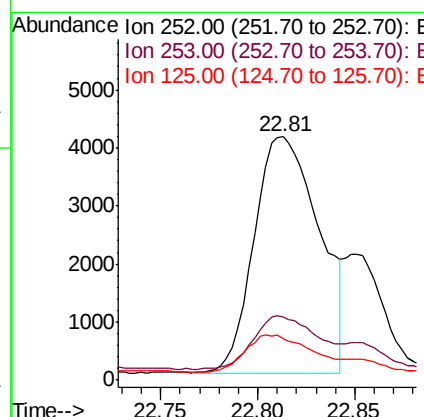
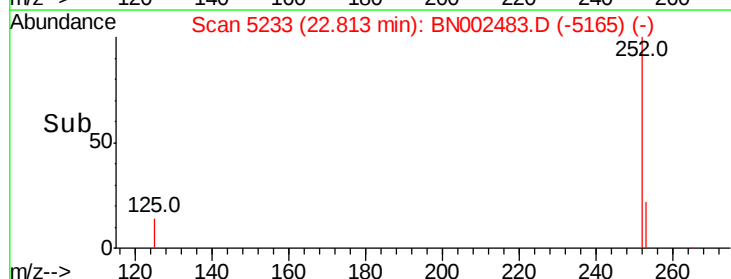
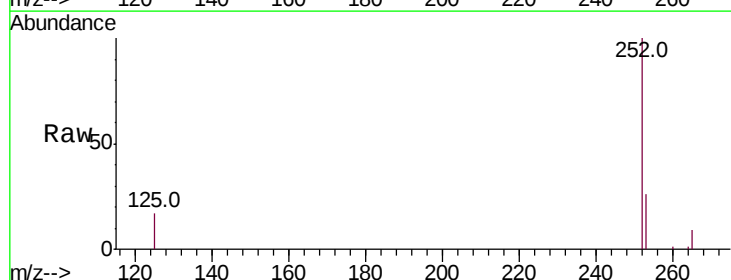
RT: 22.81 min Scan# 5233

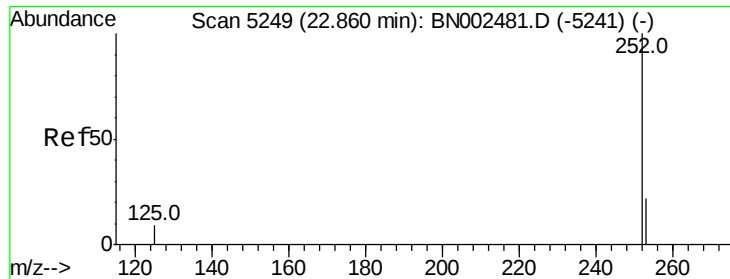
Delta R.T. 0.00 min

Lab File: BN002483.D

Acq: 24 Aug 2018 01:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 9481 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 25.9  | 0.0   | 64.2 |
| 125       | 16.9  | 0.0   | 35.0 |





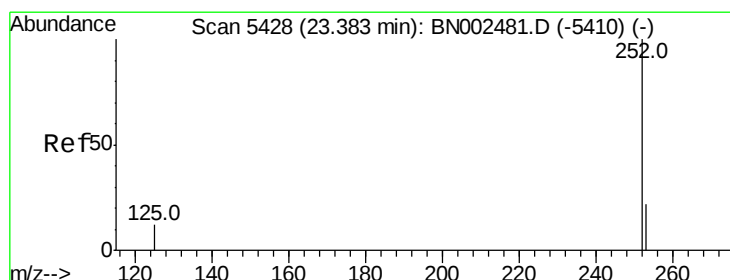
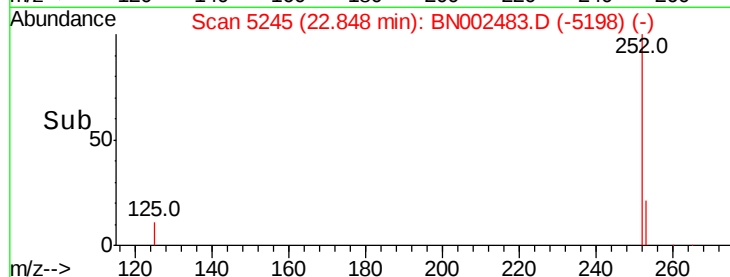
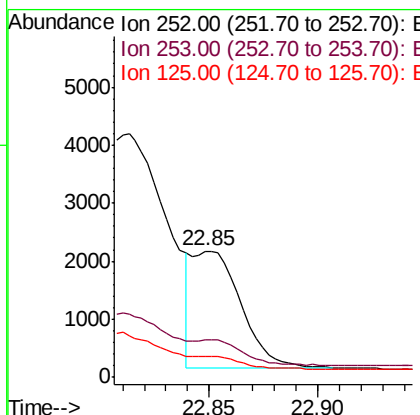
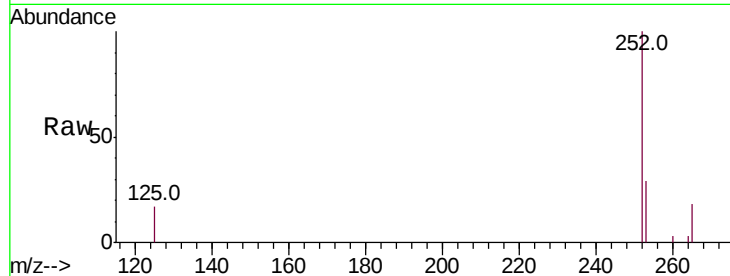
#22  
Benzo(k)fluoranthene  
Concen: 0.087 ng/ul m  
RT: 22.85 min Scan# 5245  
Delta R.T. -0.01 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.3  | 24.5  | 36.7  |
| 125     | 16.7  | 13.7  | 20.5  |

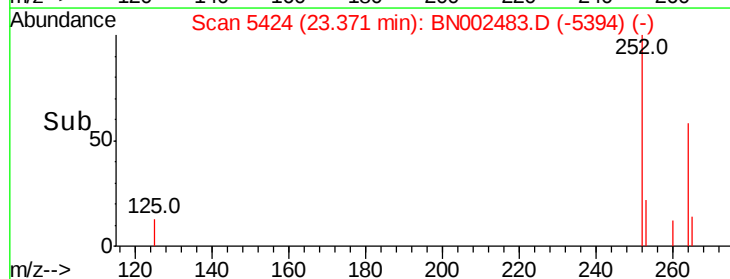
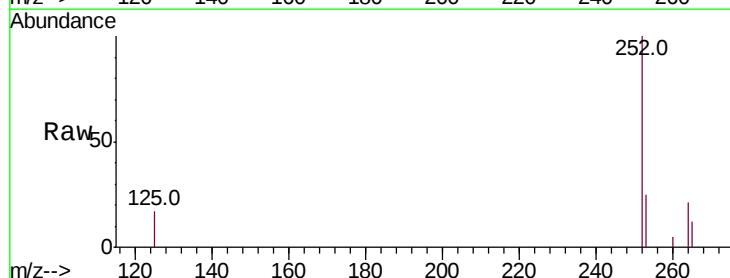
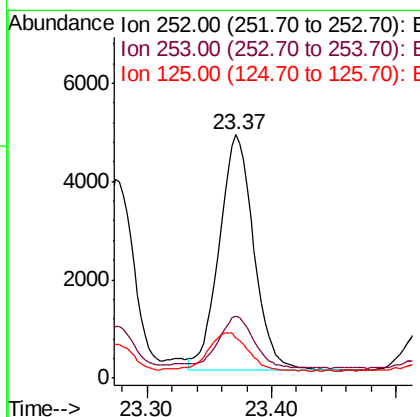
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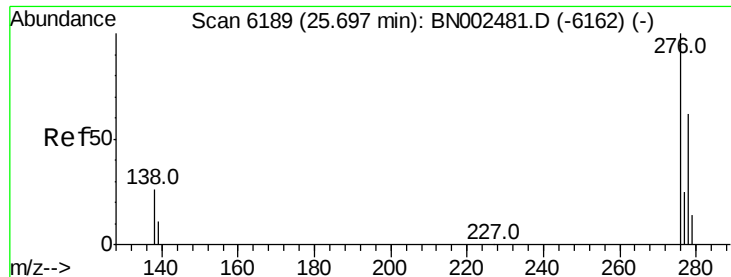
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#23  
Benzo(a)pyrene  
Concen: 0.282 ng/ul  
RT: 23.37 min Scan# 5424  
Delta R.T. -0.01 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.1  | 16.0  | 24.0# |
| 125     | 16.6  | 12.0  | 18.0  |





#24

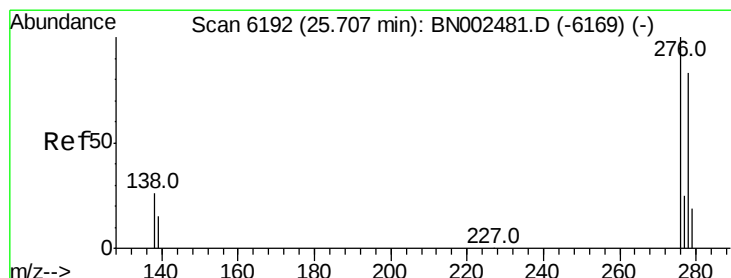
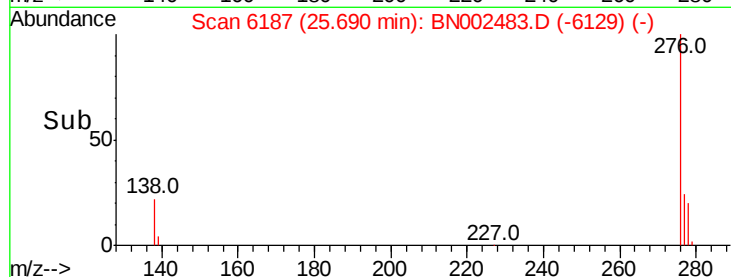
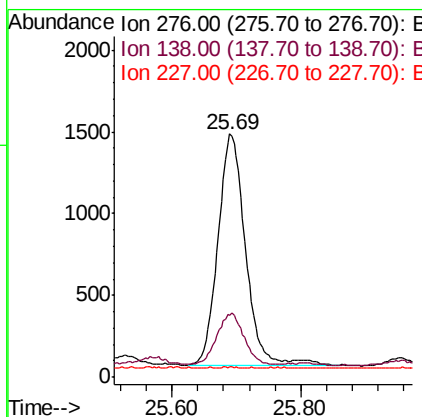
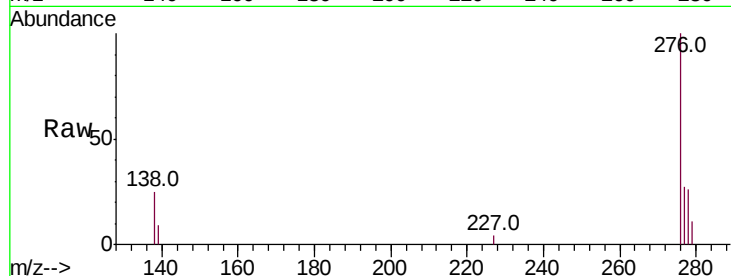
Indeno(1,2,3-cd)pyrene  
Concen: 0.125 ng/ul  
RT: 25.69 min Scan# 6187  
Delta R.T. -0.01 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.3  | 28.0  | 42.0# |
| 227     | 0.1   | 0.8   | 1.2#  |

Manual Integrations  
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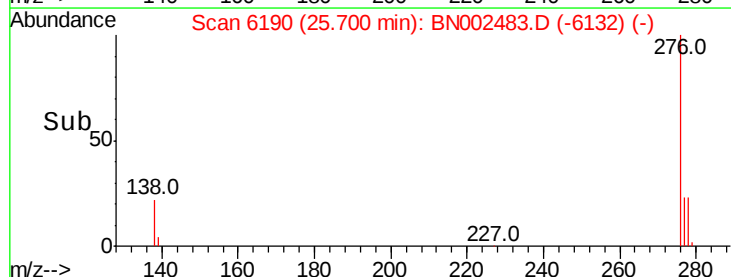
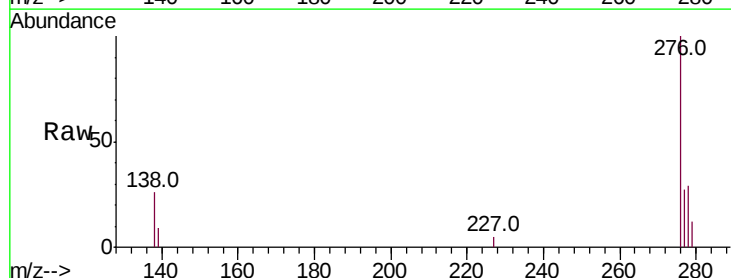
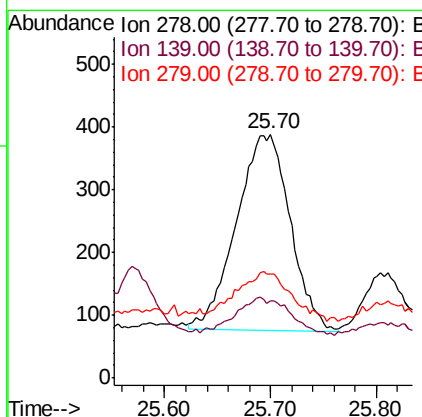
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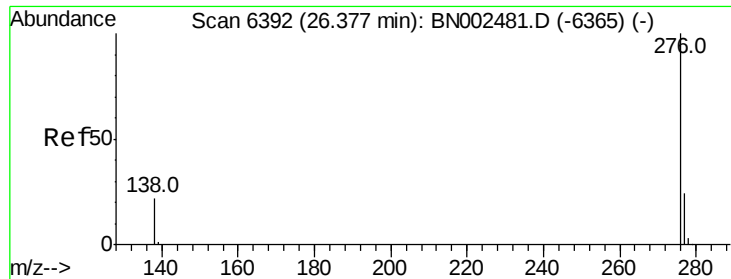


#25

Dibenzo(a,h)anthracene  
Concen: 0.041 ng/ul  
RT: 25.70 min Scan# 6190  
Delta R.T. -0.01 min  
Lab File: BN002483.D  
Acq: 24 Aug 2018 01:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 31.4  | 17.4  | 26.0# |
| 279     | 42.8  | 25.9  | 38.9# |





#26

Benzo(a,h,i)perylene

Concen: 0.211 ng/ul

RT: 26.37 min Scan# 6389

Delta R.T. -0.01 min

Lab File: BN002483.D

Acq: 24 Aug 2018 01:25

Instrument :

BNA\_N

ClientSampleId :

C0AA7DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 6141 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 25.3  | 21.8  | 32.8 |
| 277       | 25.5  | 20.5  | 30.7 |

Manual Integrations  
APPROVED

Sohil  
8/24/2018 5:11:53 PM

