

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121718\  
 Data File : BN004061.D  
 Acq On : 18 Dec 2018 06:09  
 Operator : JU/SJ  
 Sample : J6270-09  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9E08

Manual Integrations  
 APPROVED

Sohil  
 12/18/2018 5:57:03 PM

Quant Time: Dec 18 08:14:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN111918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 18 06:35:27 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 1659     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.63 | 136  | 8452     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 5363     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.22 | 188  | 14144m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 16442m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.72 | 264  | 15581m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 3109     | 0.24   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.24 | 212  | 10560m   | 0.26   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 7) Acenaphthylene           | 14.19 | 152  | 8338     | 0.345  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.26 | 178  | 4088m    | 0.088  | ng/ul  |          |
| 13) Anthracene              | 17.35 | 178  | 6794m    | 0.178  | ng/ul  |          |
| 15) Fluoranthene            | 19.28 | 202  | 38418m   | 0.701  | ng/ul  |          |
| 17) Pyrene                  | 19.64 | 202  | 43291    | 0.734  | ng/ul  | 95       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 26823m   | 0.517  | ng/ul  |          |
| 19) Chrysene                | 21.44 | 228  | 31317m   | 0.527  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.02 | 252  | 56686m   | 0.879  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.06 | 252  | 18003m   | 0.287  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.62 | 252  | 26572    | 0.476  | ng/ul# | 94       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.08 | 276  | 24132    | 0.377  | ng/ul# | 95       |
| 25) Dibenzo(a,h)anthracene  | 26.08 | 278  | 5877     | 0.114  | ng/ul# | 58       |
| 26) Benzo(g,h,i)perylene    | 26.82 | 276  | 21553    | 0.387  | ng/ul# | 91       |

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

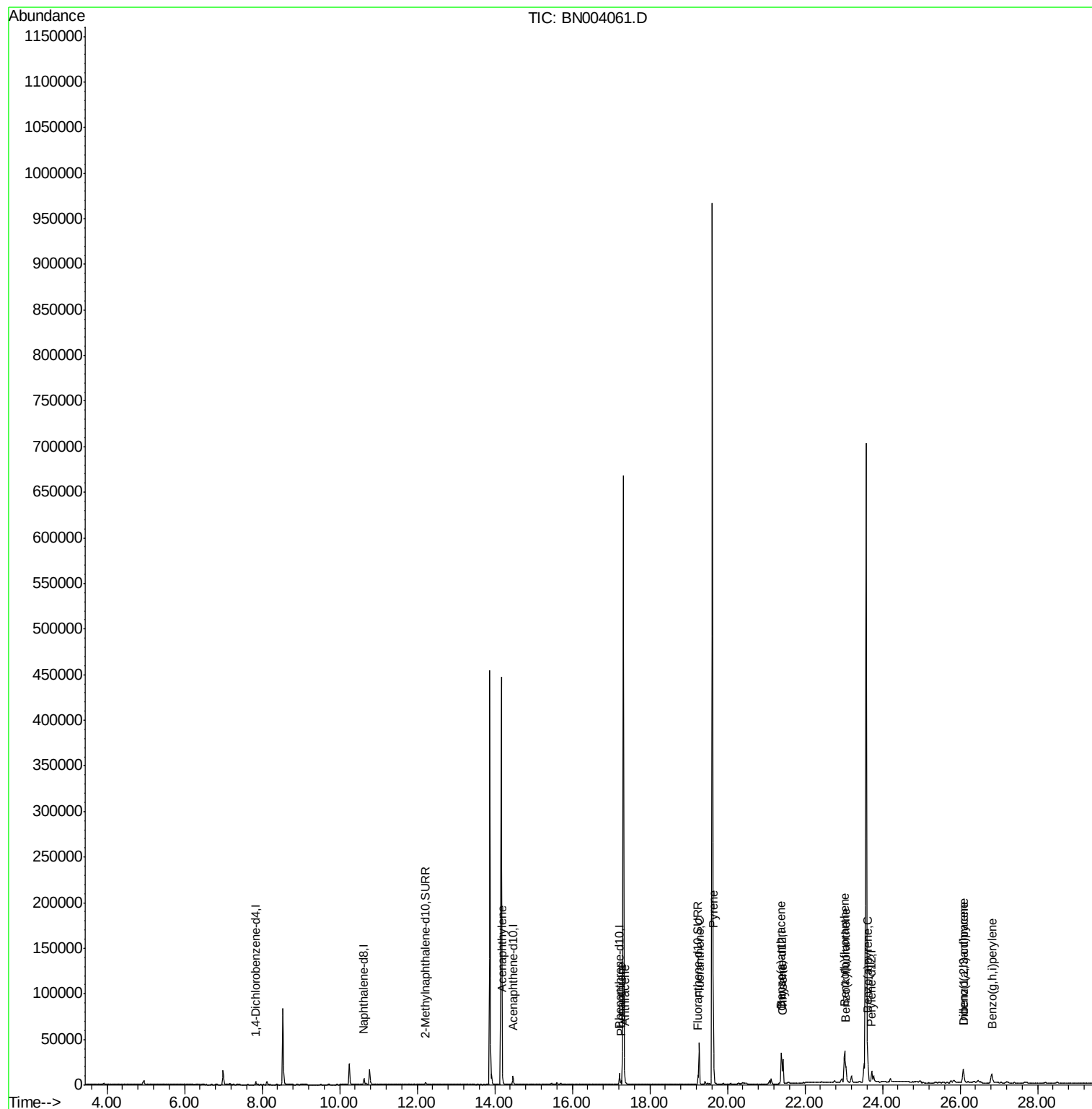
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121718\  
Data File : BN004061.D  
Acq On : 18 Dec 2018 06:09  
Operator : JU/SJ  
Sample : J6270-09  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

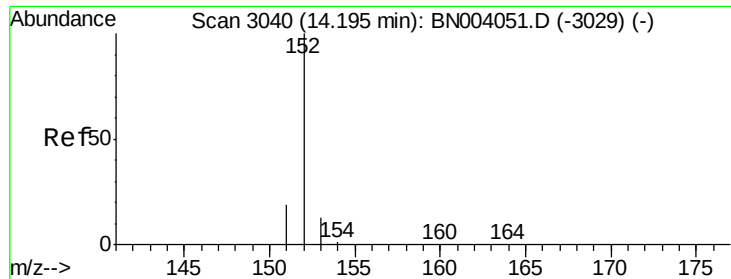
Instrument :  
BNA\_N  
ClientSampleId :  
F9E08

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 PM

Quant Time: Dec 18 08:14:13 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN11918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 18 06:35:27 2018  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.345 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

Instrument :

BNA\_N

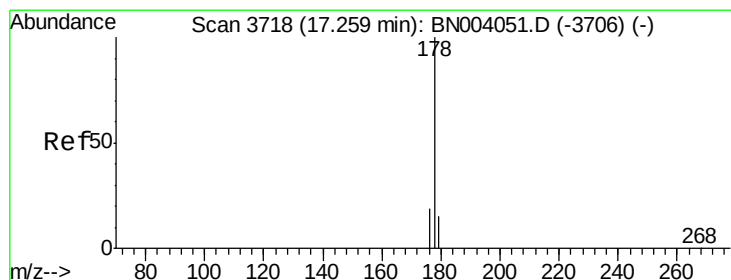
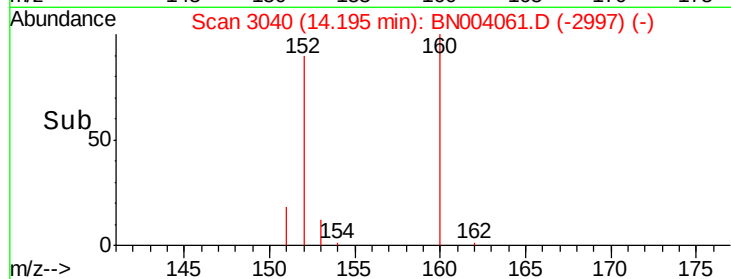
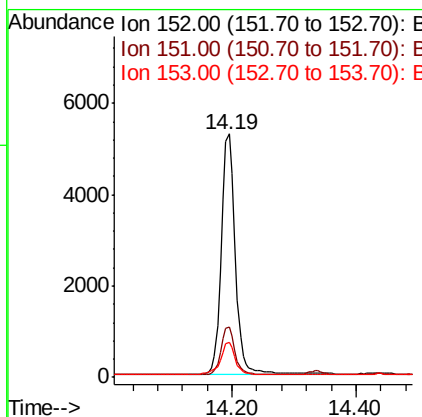
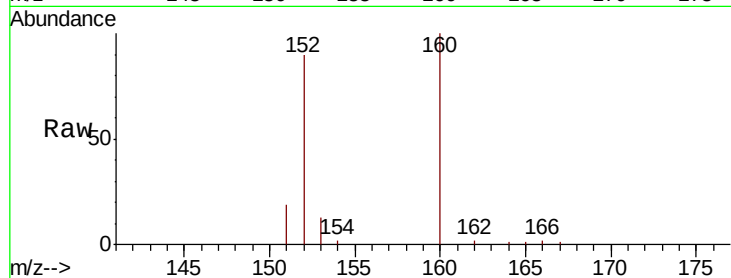
ClientSampleId :

F9E08

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 8338 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.8  | 15.9  | 23.9 |
| 153       | 14.2  | 10.7  | 16.1 |

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 PM



#12

Phenanthrene

Concen: 0.088 ng/ul m

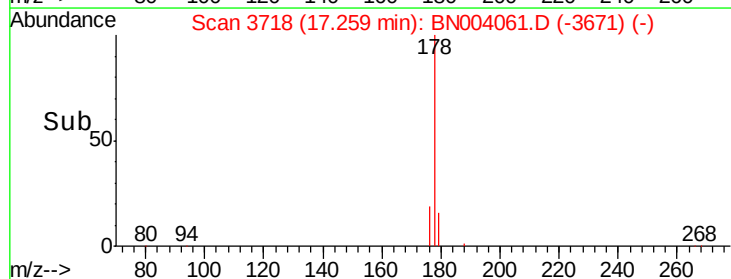
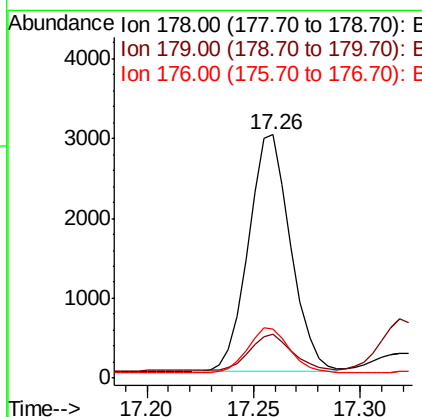
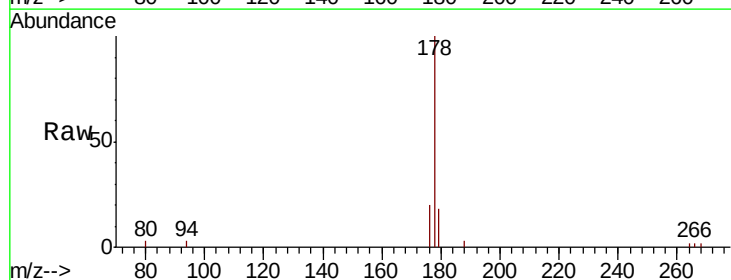
RT: 17.26 min Scan# 3718

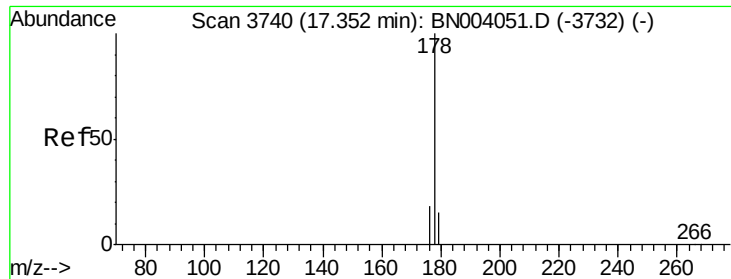
Delta R.T. 0.00 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4088 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 18.2  | 12.5  | 18.7 |
| 176       | 20.4  | 15.0  | 22.4 |





#13

Anthracene

Concen: 0.178 ng/ul m

RT: 17.35 min Scan# 3740

Delta R.T. 0.00 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

Instrument :

BNA\_N

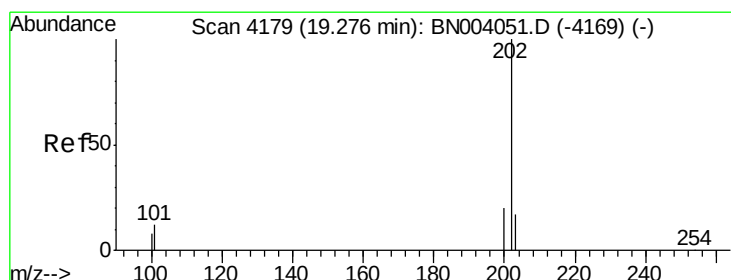
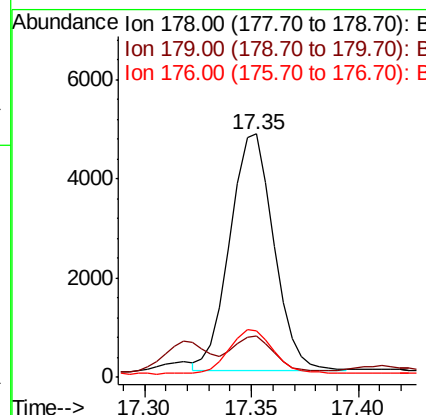
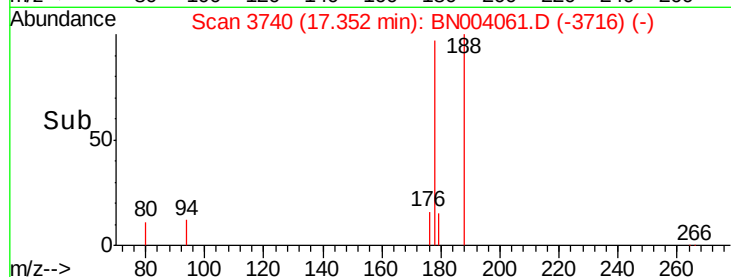
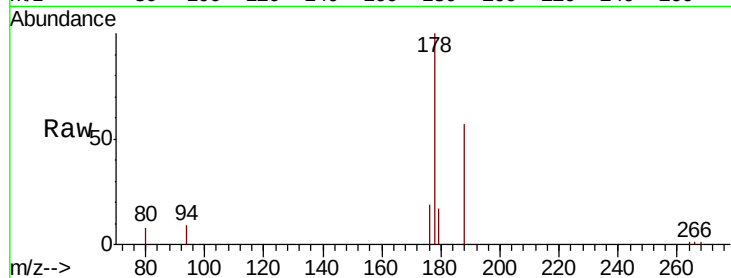
ClientSampled :

F9E08

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 6794 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 16.9  | 12.3  | 18.5 |
| 176       | 19.0  | 14.8  | 22.2 |

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 PM



#15

Fluoranthene

Concen: 0.701 ng/ul m

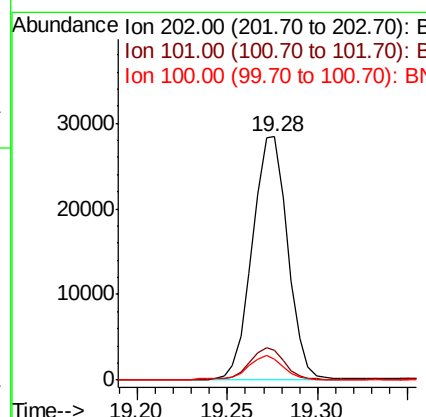
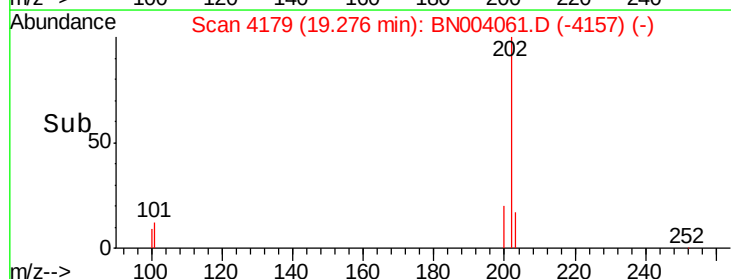
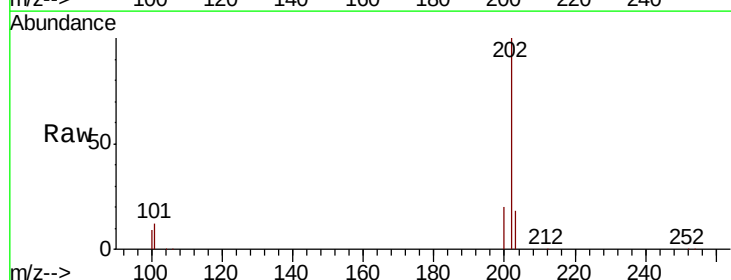
RT: 19.28 min Scan# 4179

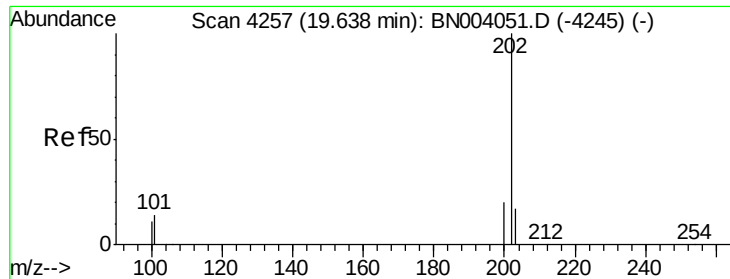
Delta R.T. 0.00 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 38418 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.0  | 0.0   | 30.7  |
| 100       | 8.8   | 0.0   | 28.1  |





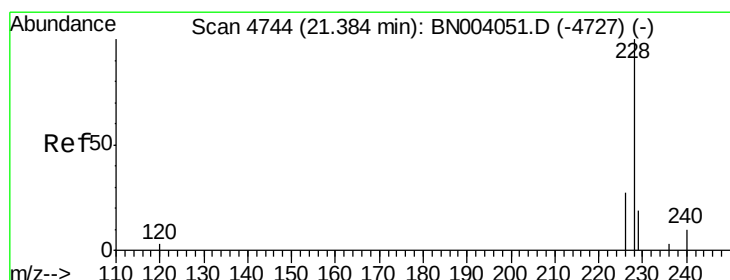
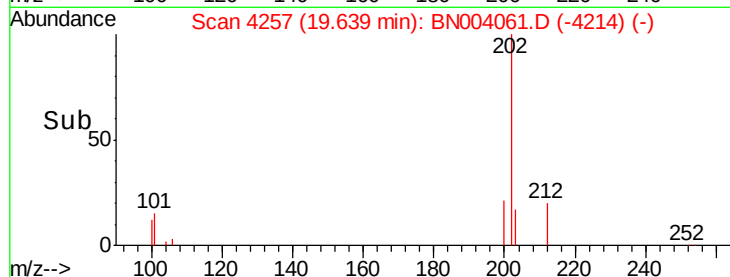
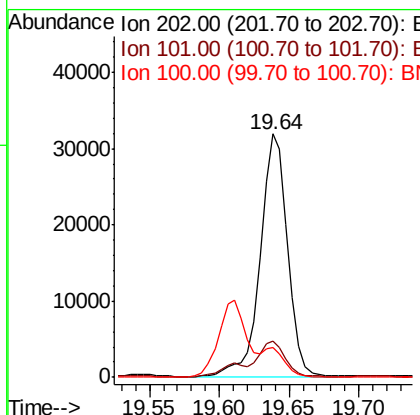
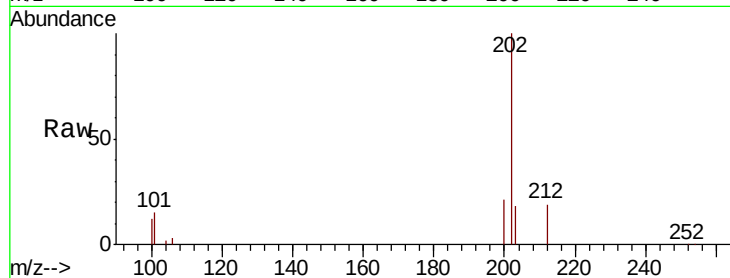
#17  
Pyrene  
Concen: 0.734 ng/ul  
RT: 19.64 min Scan# 4257  
Delta R.T. 0.00 min  
Lab File: BN004061.D  
Acq: 18 Dec 2018 06:09

Instrument :  
BNA\_N  
ClientSampleId :  
F9E08

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 15.0  | 10.3       | 15.5       |
| 100     | 12.3  | 8.5        | 12.7       |

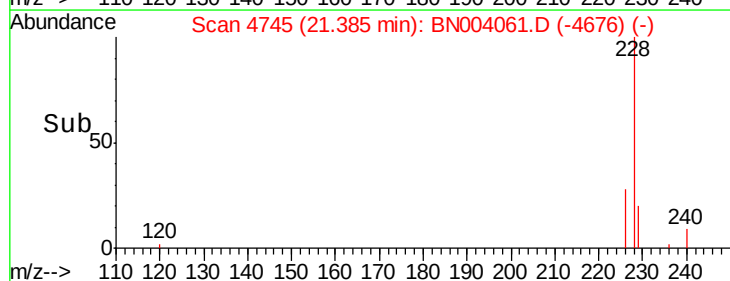
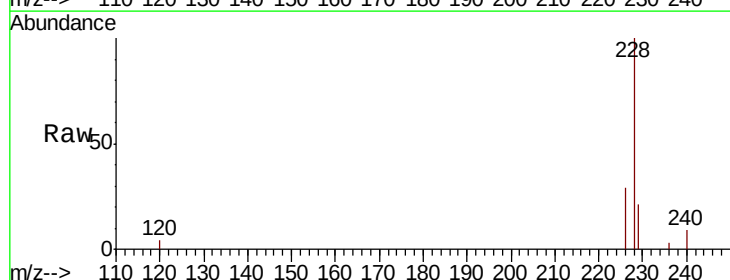
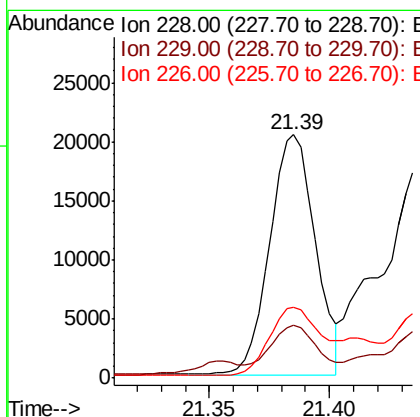
Manual Integrations  
APPROVED

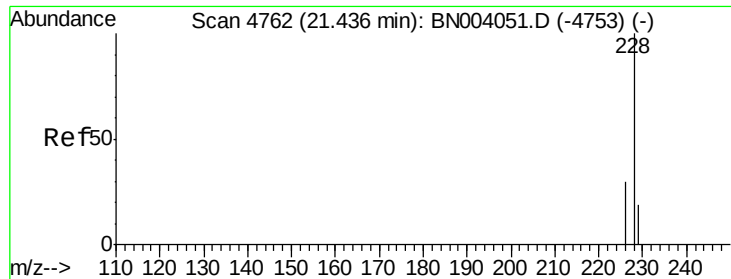
Sohil  
12/18/2018 5:57:03 PM



#18  
Benzo(a)anthracene  
Concen: 0.517 ng/ul m  
RT: 21.39 min Scan# 4745  
Delta R.T. 0.00 min  
Lab File: BN004061.D  
Acq: 18 Dec 2018 06:09

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 21.5  | 15.6       | 23.4       |
| 226     | 29.1  | 21.1       | 31.7       |





#19

Chrysene

Concen: 0.527 ng/ul m

RT: 21.44 min Scan# 4763

Delta R.T. 0.00 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

Instrument :

BNA\_N

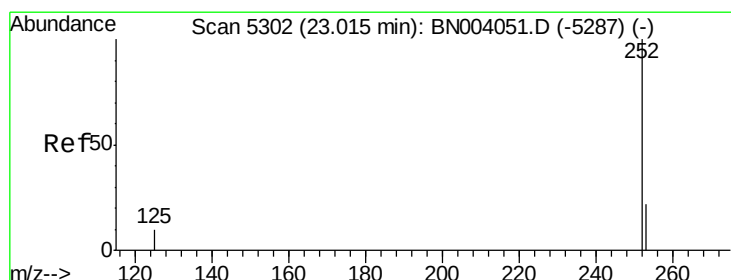
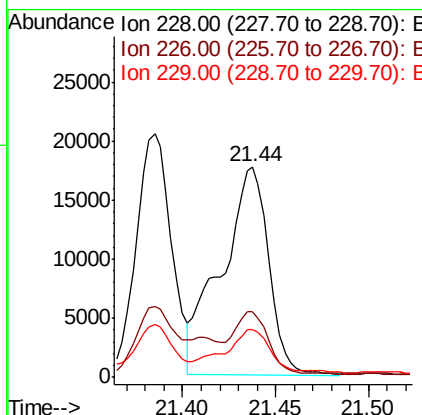
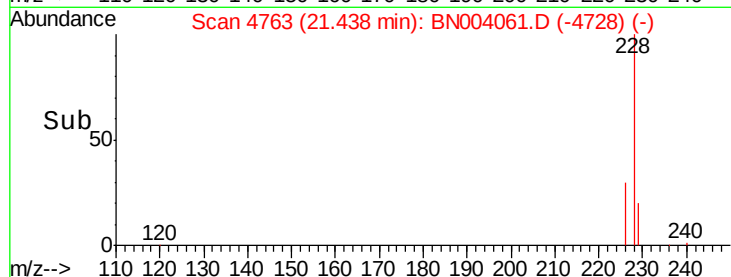
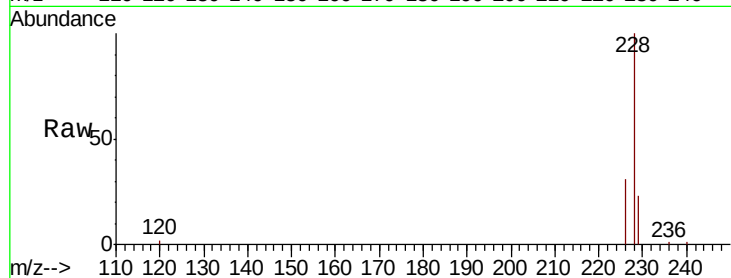
ClientSampled :

F9E08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 31317 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.1  | 24.0  | 36.0  |
| 229       | 22.7  | 15.7  | 23.5  |

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 PM



#21

Benzo(b)fluoranthene

Concen: 0.879 ng/ul m

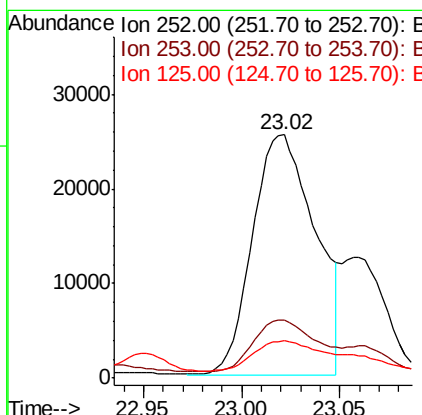
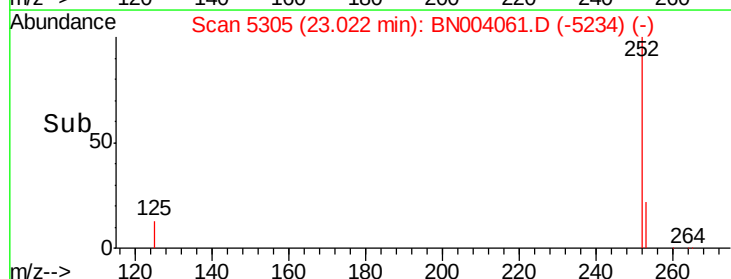
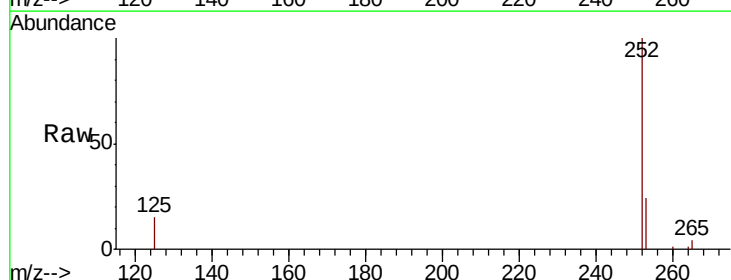
RT: 23.02 min Scan# 5305

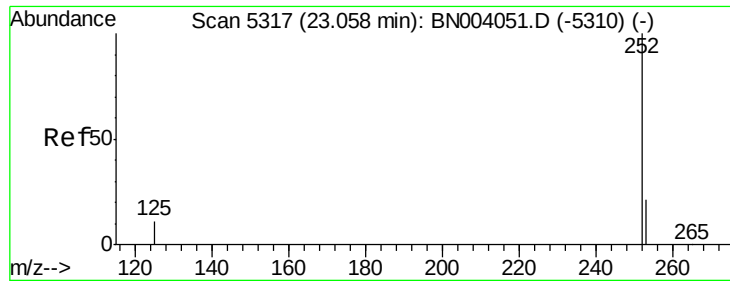
Delta R.T. 0.01 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 56686 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 0.0   | 46.0  |
| 125       | 15.5  | 0.0   | 22.4  |





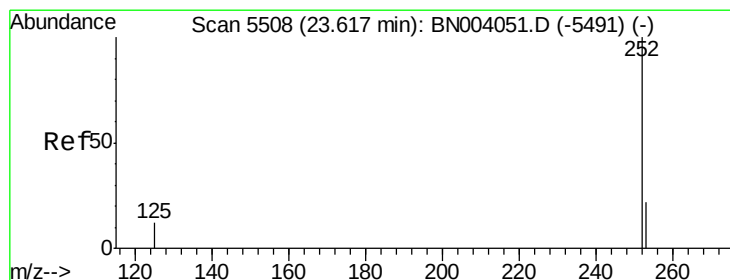
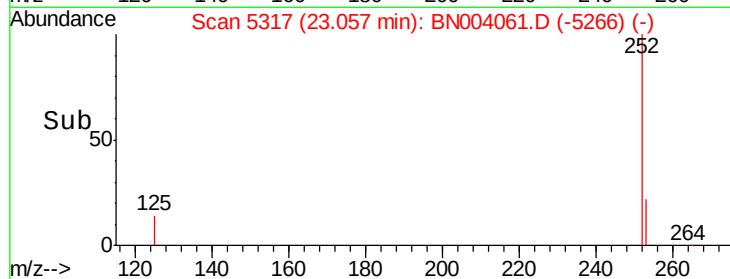
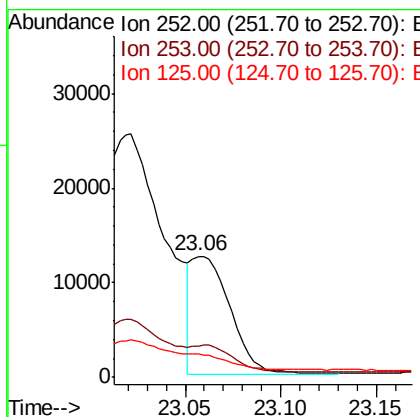
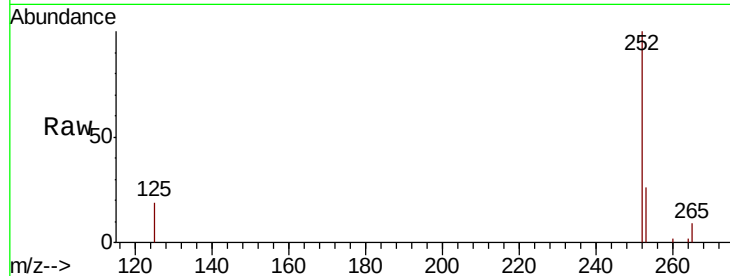
#22  
Benzo(k)fluoranthene  
Concen: 0.287 ng/ul m  
RT: 23.06 min Scan# 5317  
Delta R.T. -0.00 min  
Lab File: BN004061.D  
Acq: 18 Dec 2018 06:09

Instrument :  
BNA\_N  
ClientSampleId :  
F9E08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.2  | 18.5  | 27.7  |
| 125     | 19.0  | 9.0   | 13.6# |

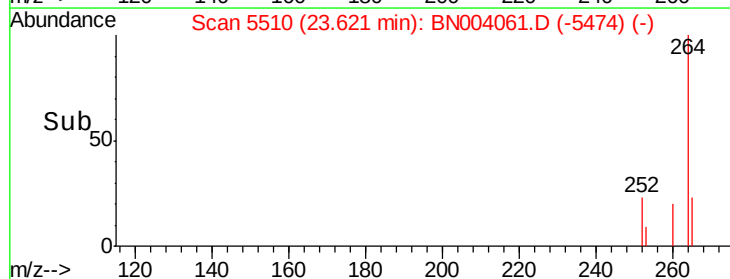
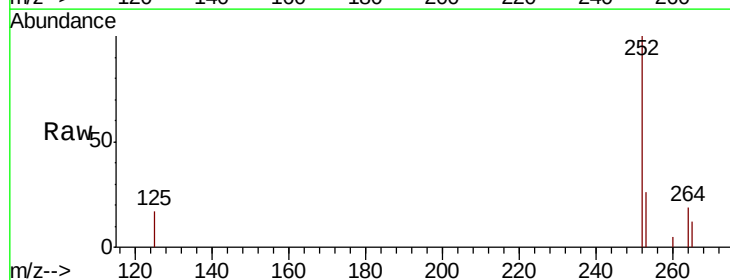
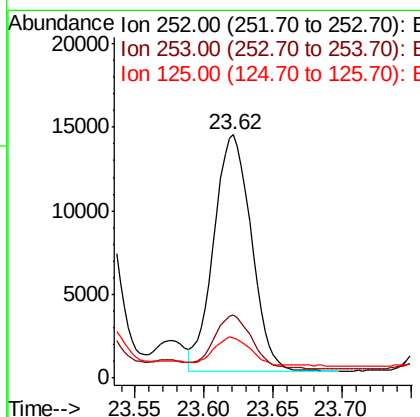
Manual Integrations  
APPROVED

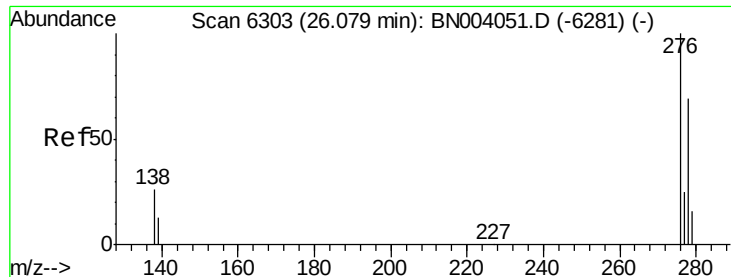
Sohil  
12/18/2018 5:57:03 PM



#23  
Benzo(a)pyrene  
Concen: 0.476 ng/ul  
RT: 23.62 min Scan# 5510  
Delta R.T. 0.00 min  
Lab File: BN004061.D  
Acq: 18 Dec 2018 06:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.8  | 19.0  | 28.4  |
| 125     | 16.7  | 10.2  | 15.4# |





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.377 ng/ul

RT: 26.08 min Scan# 6305

Delta R.T. 0.01 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

Instrument :

BNA\_N

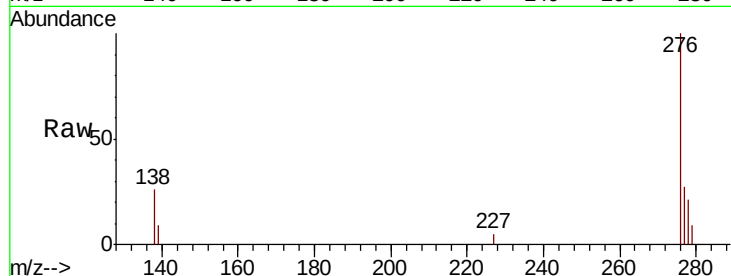
ClientSampleId :

F9E08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.8  | 20.3  | 30.5  |
| 227     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 PM

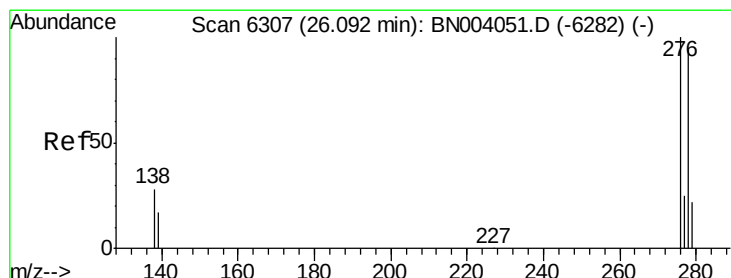
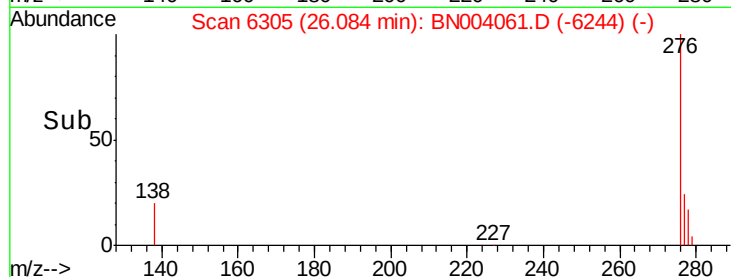
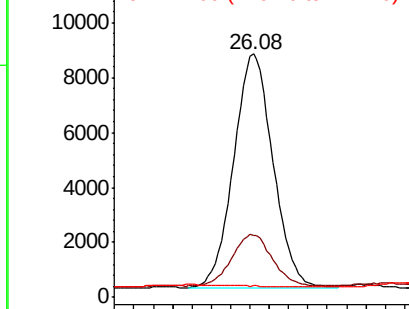


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.114 ng/ul

RT: 26.08 min Scan# 6305

Delta R.T. -0.01 min

Lab File: BN004061.D

Acq: 18 Dec 2018 06:09

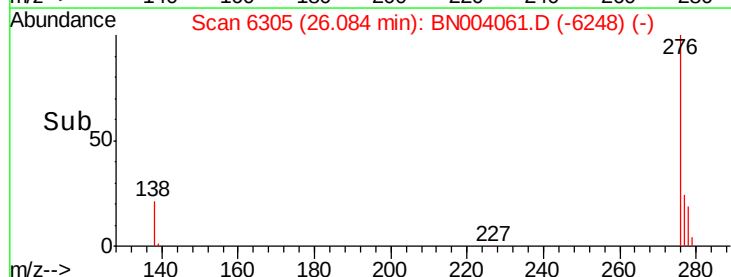
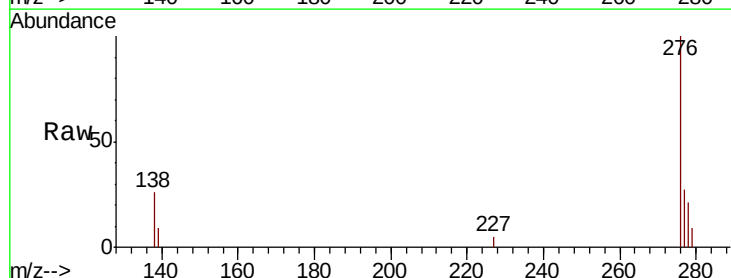
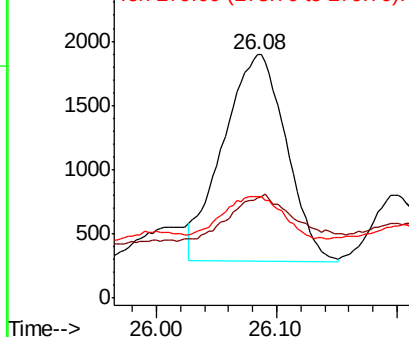
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 40.9  | 14.2  | 21.4  |
| 279     | 41.7  | 19.8  | 29.6  |

Abundance

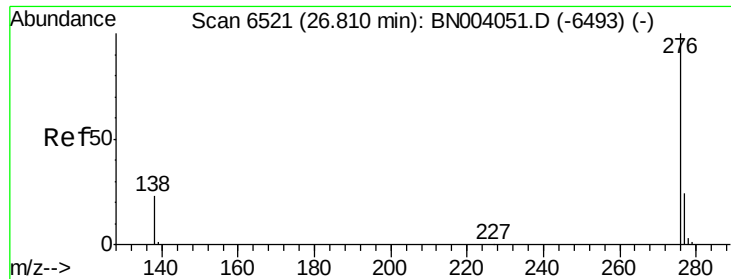
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







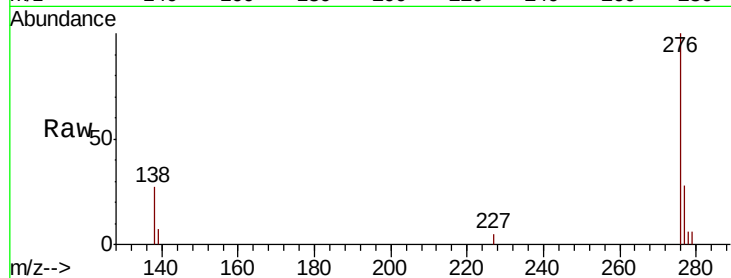
#26  
Benzo(g,h,i)perylene  
Concen: 0.387 ng/ul  
RT: 26.82 min Scan# 6524  
Delta R.T. 0.01 min  
Lab File: BN004061.D  
Acq: 18 Dec 2018 06:09

Instrument :  
BNA\_N  
ClientSampleId :  
F9E08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.1  | 17.7  | 26.5# |
| 277     | 27.5  | 19.3  | 28.9  |

Manual Integrations  
APPROVED

Sohil  
12/18/2018 5:57:03 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

