

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\  
 Data File : BN000357.D  
 Acq On : 13 Mar 2018 19:52  
 Operator : JU/SJ  
 Sample : J1845-12  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAMA0

Manual Integrations  
 APPROVED

Sohil  
 3/14/2018 5:46:18 PM

Quant Time: Mar 14 08:32:45 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 14 08:11:44 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 192574   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.29 | 136  | 916962   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.06 | 164  | 525109   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.79 | 188  | 1230514  | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.90 | 240  | 1322754  | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.39 | 264  | 1233634  | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 14.76 | 160  | 1692962  | 32.48  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.05 | 176  | 1123291  | 31.83  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.88 | 188  | 1835817  | 31.93  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.13 | 212  | 2153158  | 33.27  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.23 | 264  | 1813650  | 32.19  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 13) Phenanthrene            | 17.83 | 178  | 122733   | 1.739  | ng/ul  | 99       |
| 16) Fluoranthene            | 19.80 | 202  | 353012   | 4.630  | ng/ul# | 93       |
| 19) Pyrene                  | 20.16 | 202  | 327975   | 3.927  | ng/ul# | 88       |
| 20) Benzo(a)anthracene      | 21.89 | 228  | 180235m  | 2.192  | ng/ul  |          |
| 21) Chrysene                | 21.94 | 228  | 193105m  | 2.475  | ng/ul  |          |
| 23) Benzo(b)fluoranthene    | 23.63 | 252  | 236075   | 3.209  | ng/ul# | 92       |
| 24) Benzo(k)fluoranthene    | 23.67 | 252  | 95259m   | 1.383  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.28 | 252  | 160017   | 2.286  | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.95 | 276  | 111751   | 1.480  | ng/ul# | 82       |
| 29) Benzo(g,h,i)perylene    | 27.74 | 276  | 122257   | 1.940  | ng/ul# | 82       |

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

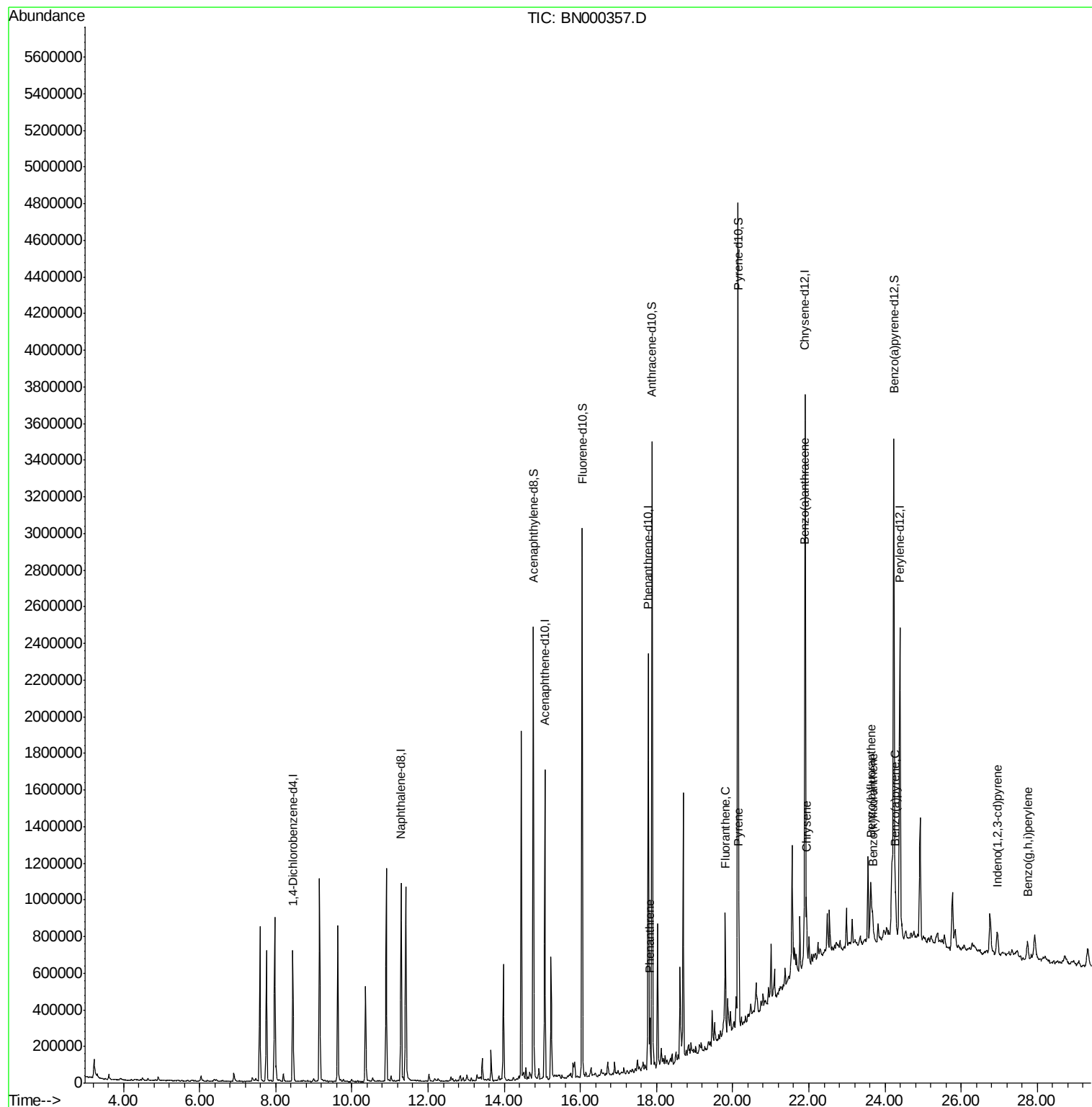
Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\  
Data File : BN000357.D  
Acq On : 13 Mar 2018 19:52  
Operator : JU/SJ  
Sample : J1845-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

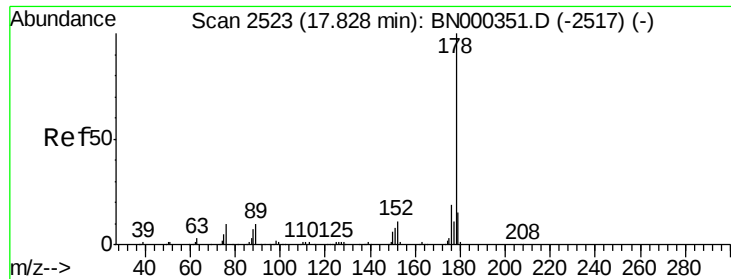
Instrument :  
BNA\_N  
ClientSampleId :  
DAMA0

Quant Time: Mar 14 08:32:45 2018  
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Mar 14 08:11:44 2018  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Sohil  
3/14/2018 5:46:18 PM





#13

Phenanthrene

Concen: 1.739 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000357.D

Acq: 13 Mar 2018 19:52

Instrument :

BNA\_N

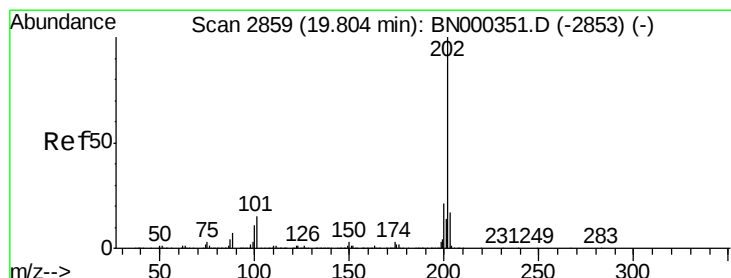
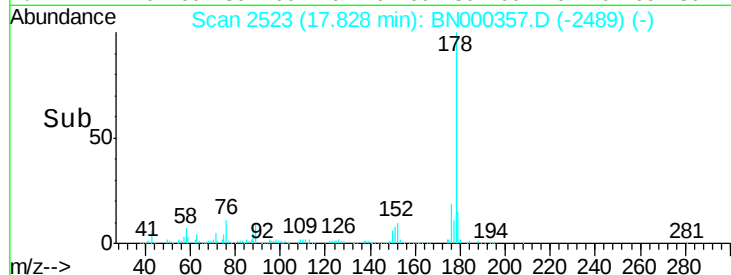
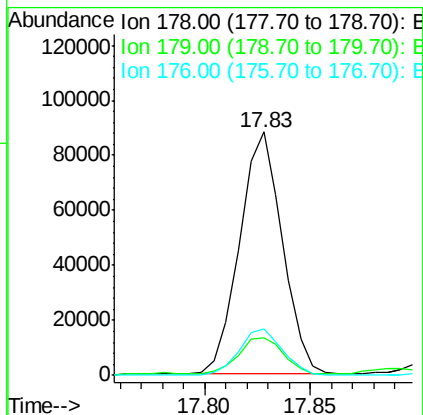
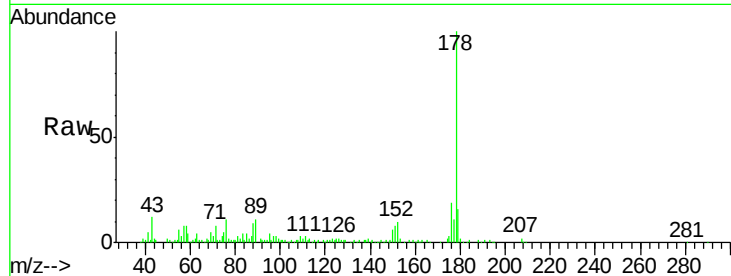
ClientSampleId :

DAMA0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 122733 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.6  | 12.3  | 18.5   |
| 176       | 19.2  | 15.1  | 22.7   |

Manual Integrations  
APPROVED

Sohil  
3/14/2018 5:46:18 PM



#16

Fluoranthene

Concen: 4.630 ng/ul

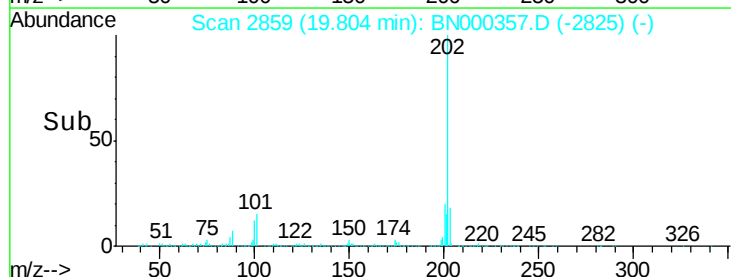
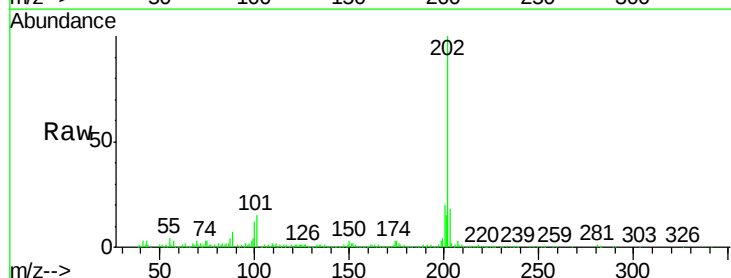
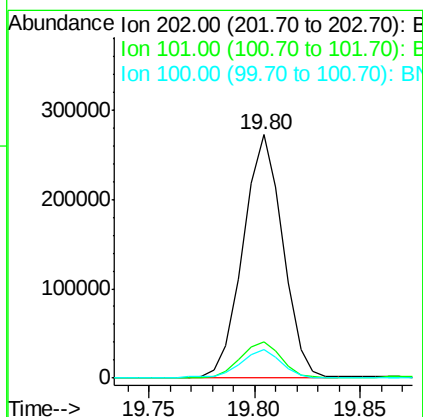
RT: 19.80 min Scan# 2859

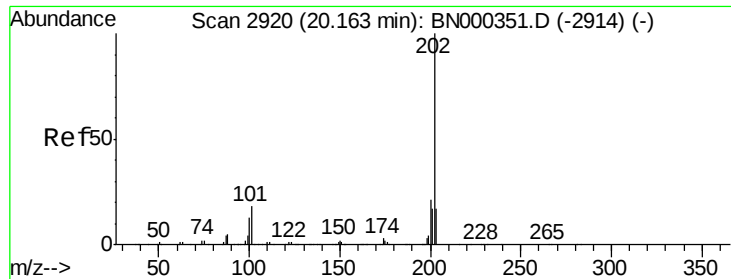
Delta R.T. -0.00 min

Lab File: BN000357.D

Acq: 13 Mar 2018 19:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 353012 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 15.0  | 9.9   | 14.9#  |
| 100       | 11.7  | 7.4   | 11.0#  |





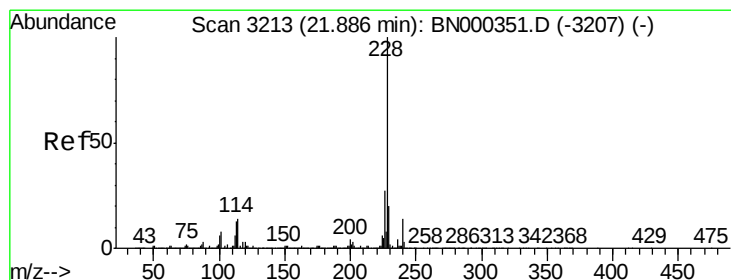
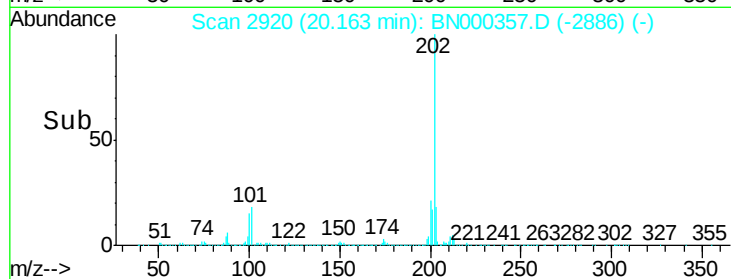
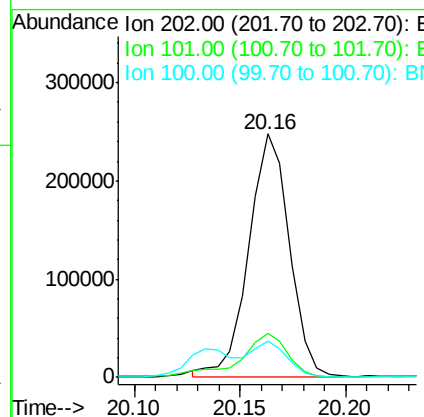
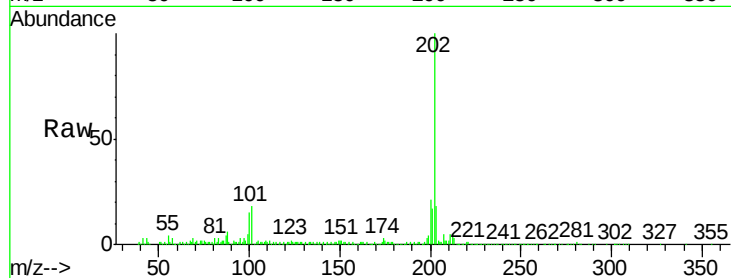
#19  
Pvrene  
Concen: 3.927 ng/ul  
RT: 20.16 min Scan# 2920  
Delta R.T. -0.00 min  
Lab File: BN000357.D  
Acq: 13 Mar 2018 19:52

Instrument :  
BNA\_N  
ClientSampleId :  
DAMA0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 17.9  | 11.0  | 16.4# |
| 100     | 15.0  | 8.1   | 12.1# |

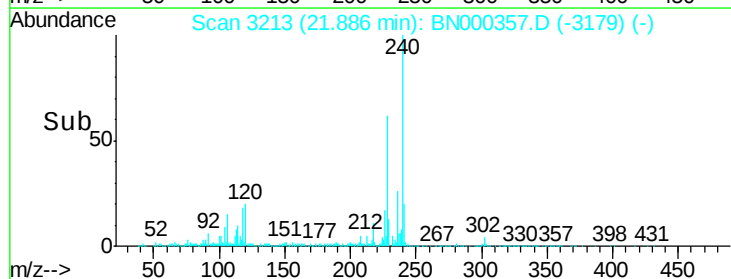
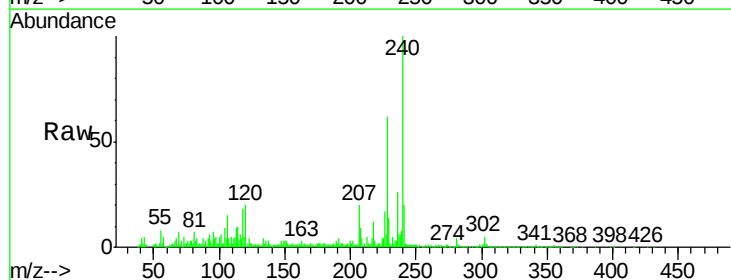
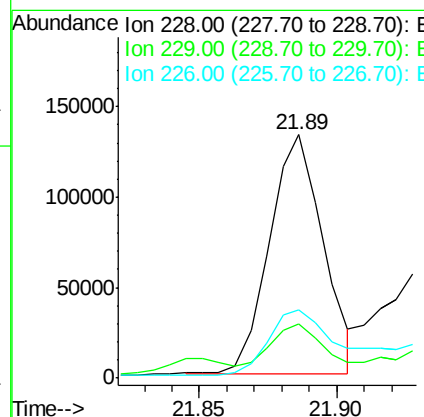
Manual Integrations  
APPROVED

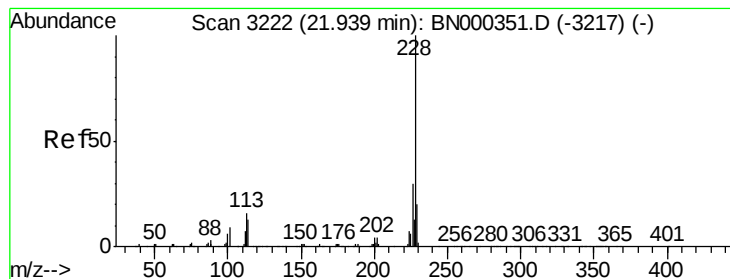
Sohil  
3/14/2018 5:46:18 PM



#20  
Benzo(a)anthracene  
Concen: 2.192 ng/ul m  
RT: 21.89 min Scan# 3213  
Delta R.T. -0.00 min  
Lab File: BN000357.D  
Acq: 13 Mar 2018 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.3  | 15.7  | 23.5  |
| 226     | 28.1  | 21.1  | 31.7  |





#21

Chrysene

Concen: 2.475 ng/ul m

RT: 21.94 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BN000357.D

Acq: 13 Mar 2018 19:52

Instrument :

BNA\_N

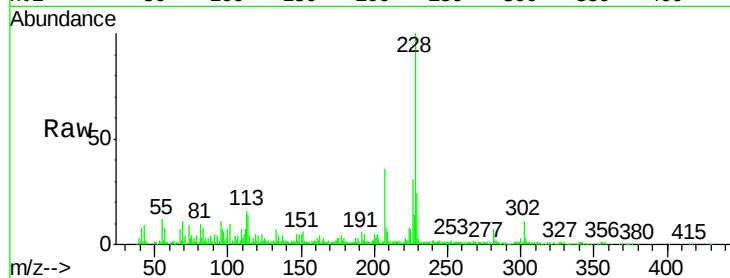
ClientSampled :

DAMA0

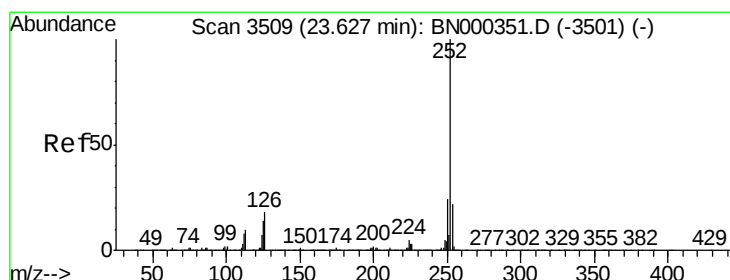
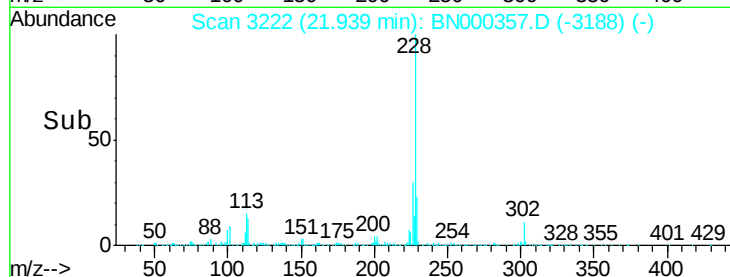
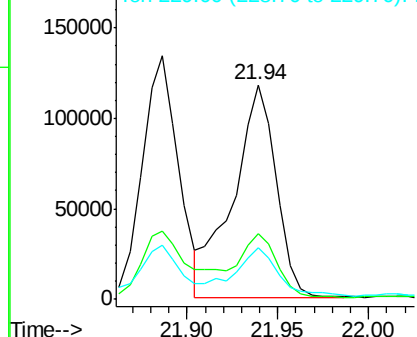
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 193105 |       |       |
| 226     | 30.9  | 24.5   | 36.7  |       |
| 229     | 23.9  | 15.8   | 23.8  |       |

Manual Integrations  
APPROVED

Sohil  
3/14/2018 5:46:18 PM



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 3.209 ng/ul

RT: 23.63 min Scan# 3509

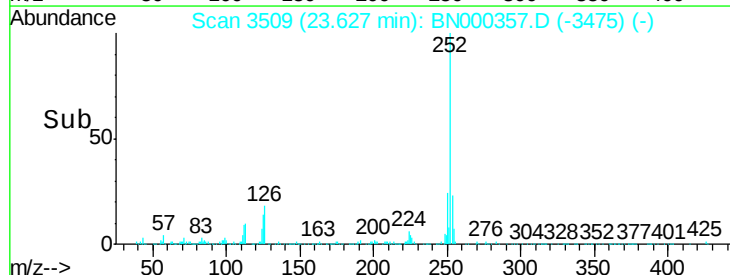
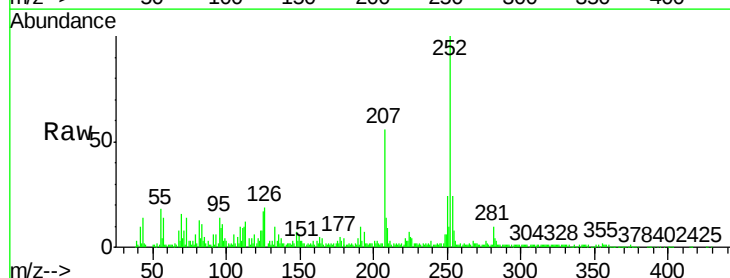
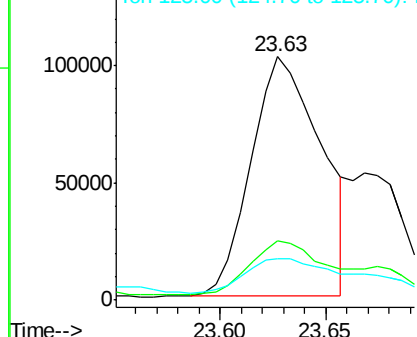
Delta R.T. -0.00 min

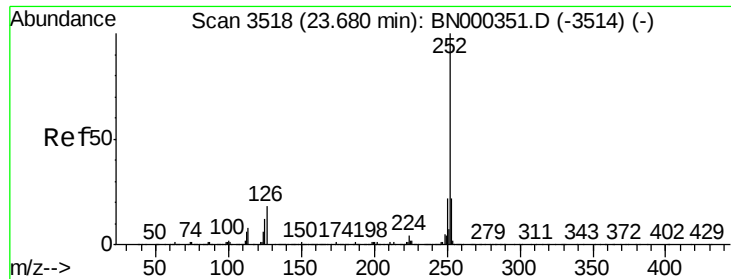
Lab File: BN000357.D

Acq: 13 Mar 2018 19:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 236075 |       |       |
| 253     | 24.2  | 18.0   | 27.0  |       |
| 125     | 17.1  | 8.0    | 12.0  |       |

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





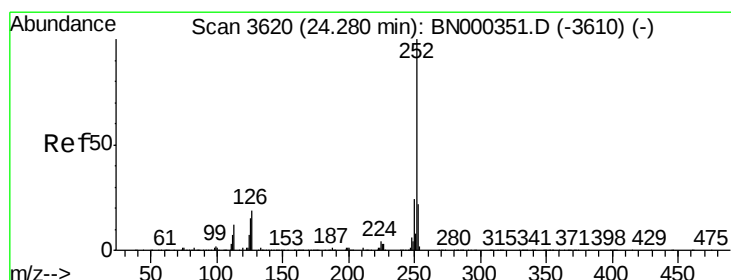
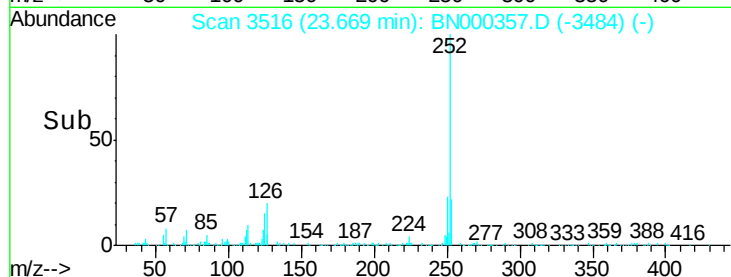
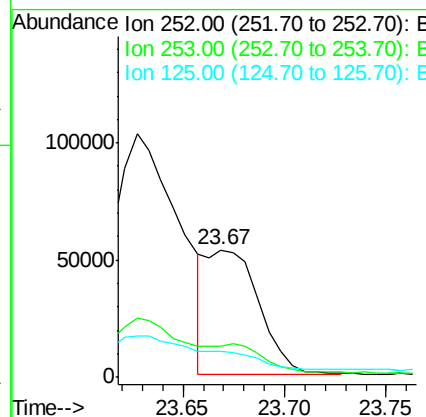
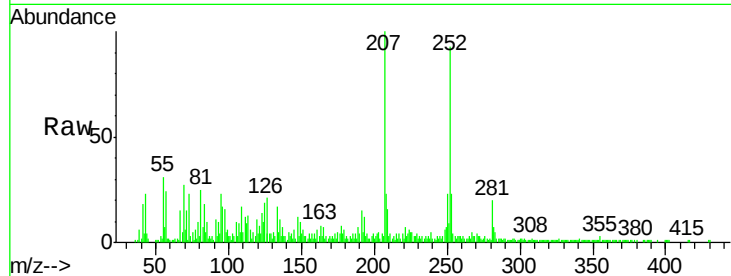
#24  
Benzo(k)fluoranthene  
Concen: 1.383 ng/ul m  
RT: 23.67 min Scan# 3516  
Delta R.T. -0.01 min  
Lab File: BN000357.D  
Acq: 13 Mar 2018 19:52

Instrument :  
BNA\_N  
ClientSampleId :  
DAMA0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.0  | 27.0  |
| 125     | 20.9  | 8.1   | 12.1# |

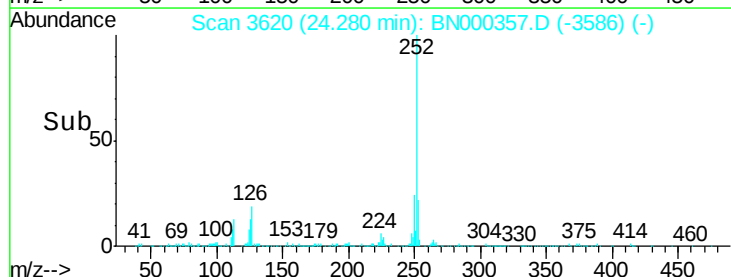
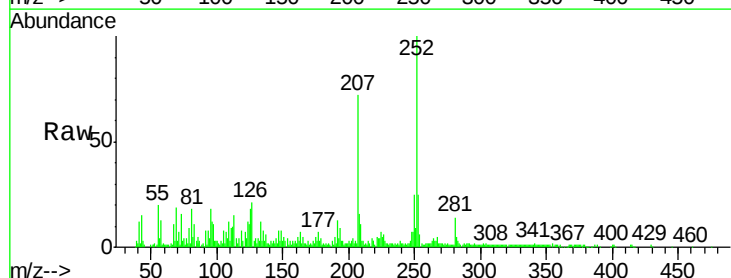
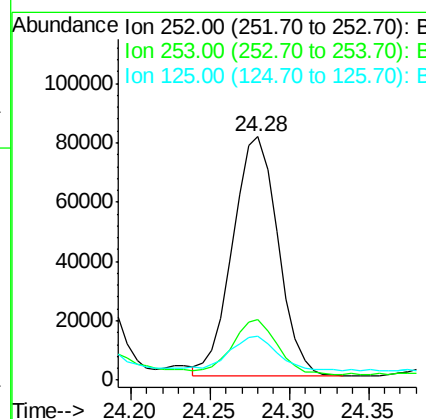
Manual Integrations  
APPROVED

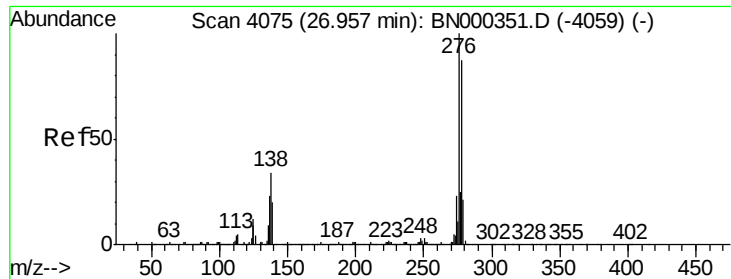
Sohil  
3/14/2018 5:46:18 PM



#26  
Benzo(a)pyrene  
Concen: 2.286 ng/ul  
RT: 24.28 min Scan# 3620  
Delta R.T. -0.00 min  
Lab File: BN000357.D  
Acq: 13 Mar 2018 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 17.2  | 25.8  |
| 125     | 18.1  | 8.2   | 12.4# |





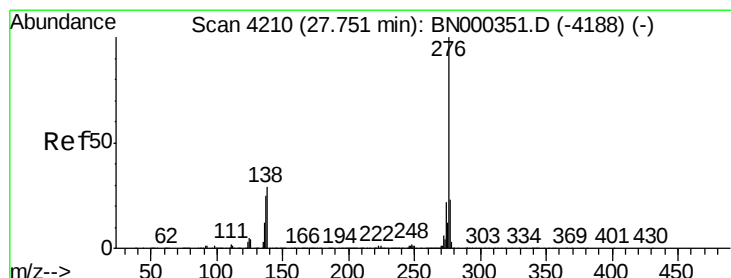
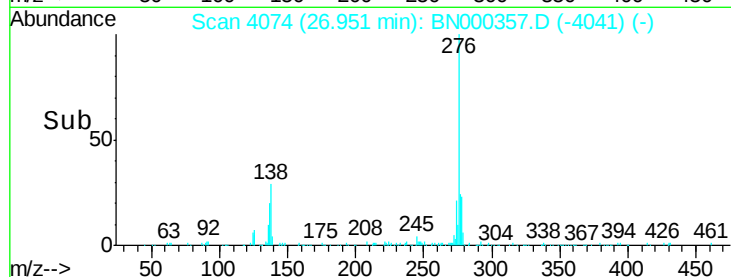
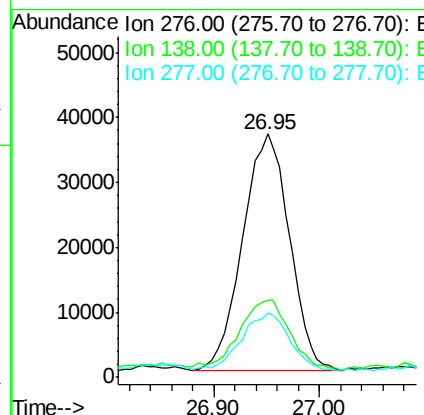
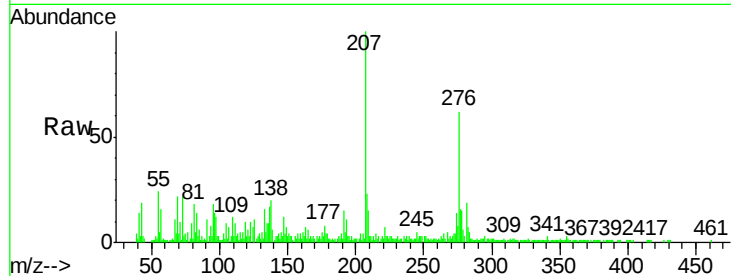
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.480 ng/ul  
 RT: 26.95 min Scan# 4074  
 Delta R.T. -0.01 min  
 Lab File: BN000357.D  
 Acq: 13 Mar 2018 19:52

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAMA0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.8  | 14.4  | 21.6# |
| 277     | 26.4  | 18.0  | 27.0  |

Manual Integrations  
 APPROVED

Sohil  
 3/14/2018 5:46:18 PM



#29  
 Benzo(g,h,i)perylene  
 Concen: 1.940 ng/ul  
 RT: 27.74 min Scan# 4209  
 Delta R.T. -0.01 min  
 Lab File: BN000357.D  
 Acq: 13 Mar 2018 19:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.2  | 15.3  | 22.9# |
| 277     | 27.0  | 19.0  | 28.4  |

