

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006362.D  
 Acq On : 17 Jun 2019 23:19  
 Operator : JU/SJ  
 Sample : K3335-17  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4204

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 8:22:50 AM

Quant Time: Jun 18 04:26:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 4451     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.42 | 136  | 17634    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.29 | 164  | 9350     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 16649m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 10609m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.49 | 264  | 9217m    | 0.40   | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 4605     | 0.17   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 8618m    | 0.19   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.09 | 178  | 2042m    | 0.038  | ng/ul  |          |
| 15) Fluoranthene            | 19.12 | 202  | 4992m    | 0.085  | ng/ul  |          |
| 17) Pyrene                  | 19.48 | 202  | 3832m    | 0.069  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 1844     | 0.039  | ng/ul# | 90       |
| 19) Chrysene                | 21.30 | 228  | 2118     | 0.048  | ng/ul# | 91       |
| 21) Benzo(b)fluoranthene    | 22.83 | 252  | 3030     | 0.079  | ng/ul# | 57       |
| 23) Benzo(a)pyrene          | 23.39 | 252  | 1613m    | 0.045  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.74 | 276  | 1100m    | 0.028  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.42 | 276  | 946m     | 0.029  | ng/ul  |          |

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

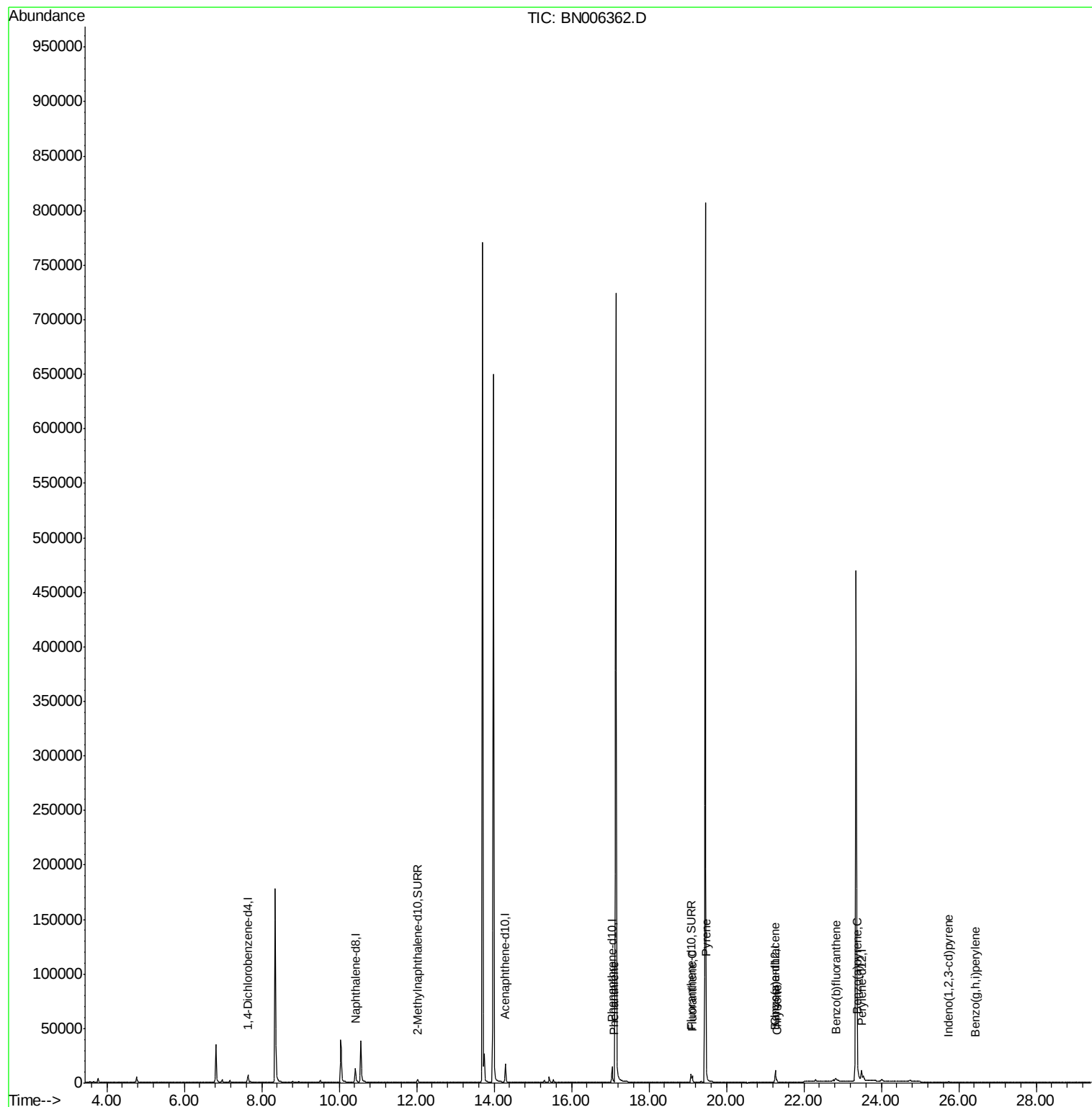
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
Data File : BN006362.D  
Acq On : 17 Jun 2019 23:19  
Operator : JU/SJ  
Sample : K3335-17  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

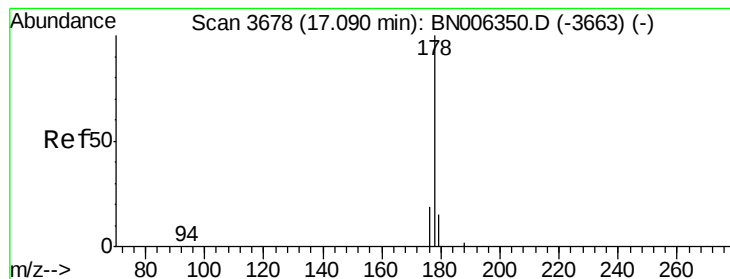
Instrument :  
BNA\_N  
ClientSampleId :  
A4204

Manual Integrations  
APPROVED

mohammad  
6/21/2019 8:22:50 AM

Quant Time: Jun 18 04:26:21 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.038 ng/ul m

RT: 17.09 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN006362.D

Acq: 17 Jun 2019 23:19

Instrument :

BNA\_N

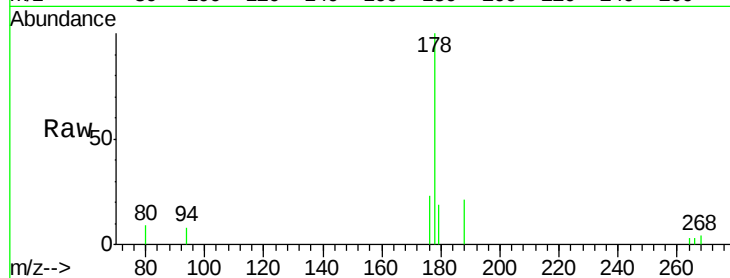
ClientSampleId :

A4204

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.1  | 12.3  | 18.5# |
| 176     | 22.6  | 15.3  | 22.9  |

Manual Integrations  
APPROVED

mohammad  
6/21/2019 8:22:50 AM

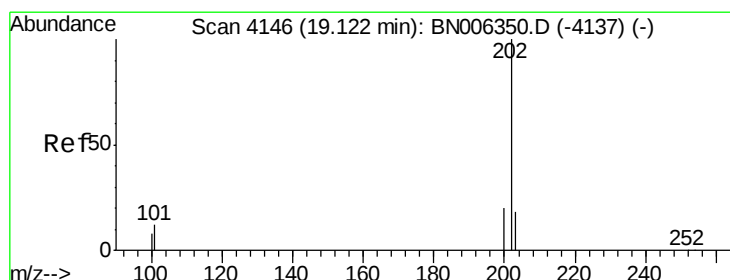
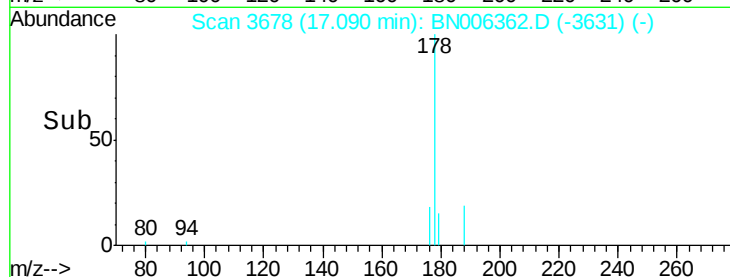
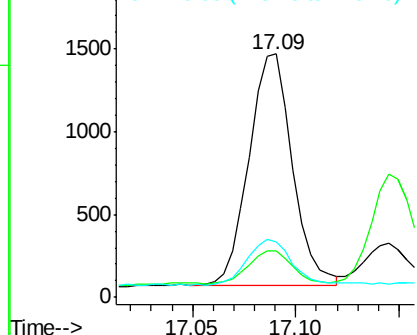


Abundance Ion 178.00 (177.70 to 178.70): E

2000

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.085 ng/ul m

RT: 19.12 min Scan# 4145

Delta R.T. 0.00 min

Lab File: BN006362.D

Acq: 17 Jun 2019 23:19

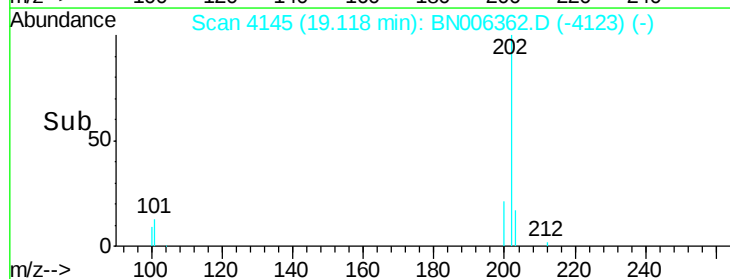
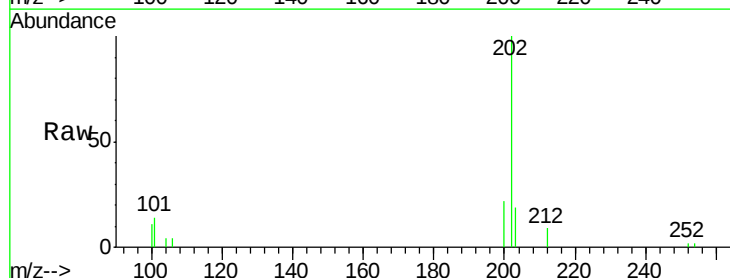
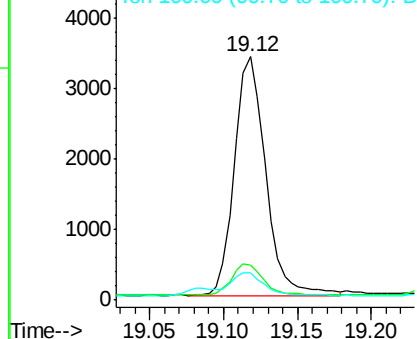
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.4  | 0.0   | 32.1  |
| 100     | 11.0  | 0.0   | 28.7  |

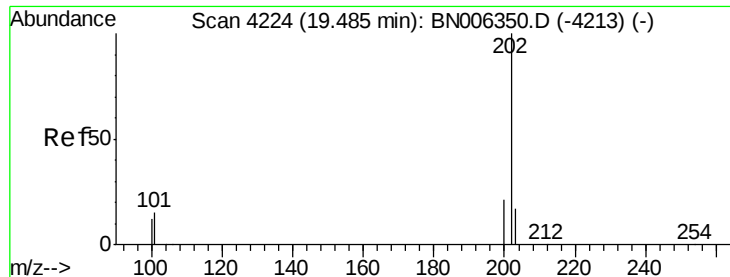
Abundance Ion 202.00 (201.70 to 202.70): E

4000

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





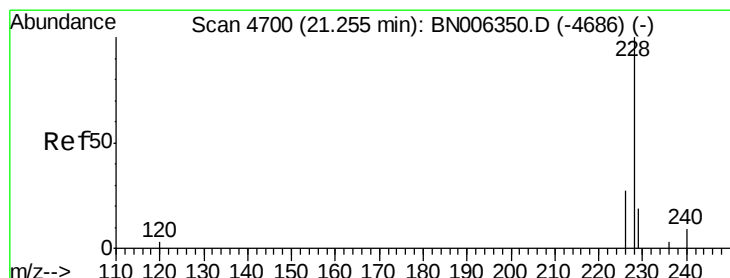
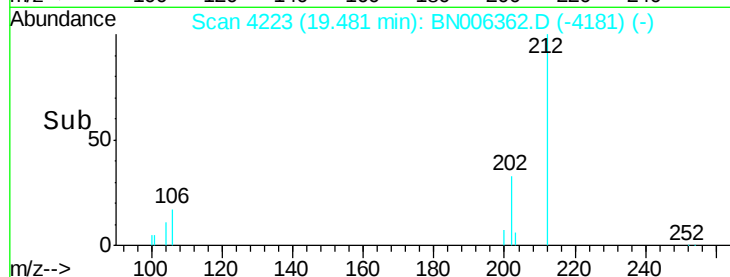
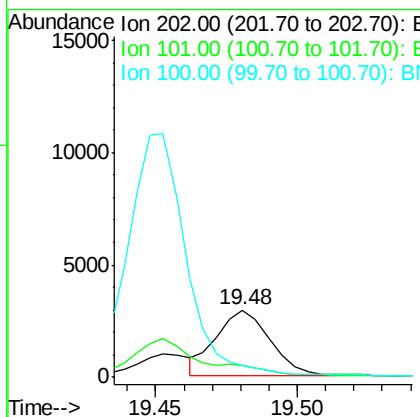
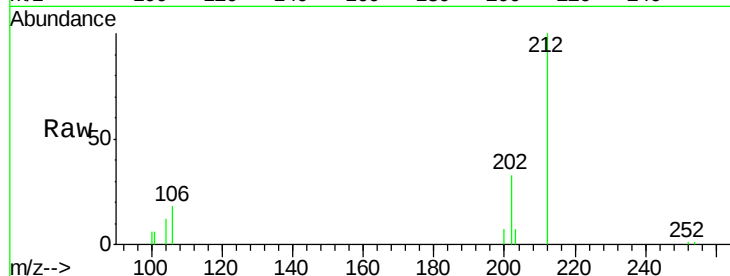
#17  
Pvrene  
Concen: 0.069 ng/ul m  
RT: 19.48 min Scan# 4223  
Delta R.T. -0.00 min  
Lab File: BN006362.D  
Acq: 17 Jun 2019 23:19

Instrument :  
BNA\_N  
ClientSampleId :  
A4204

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 17.8  | 12.2  | 18.2  |
| 100     | 18.4  | 9.8   | 14.6  |

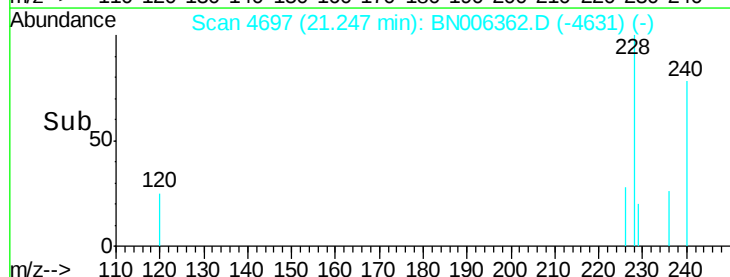
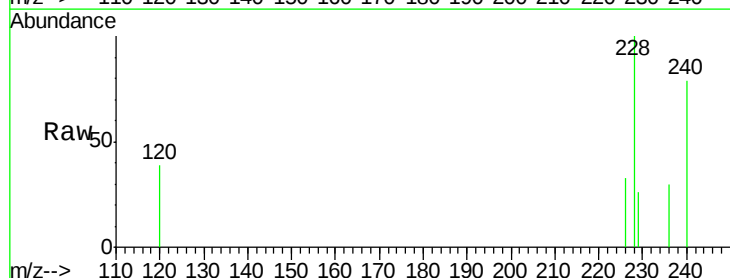
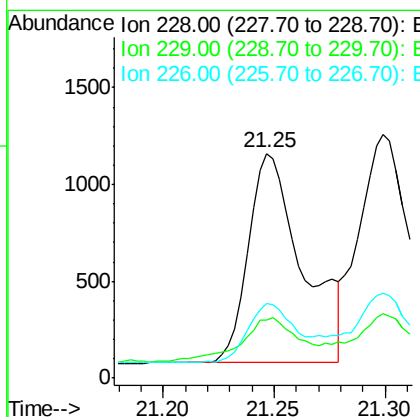
Manual Integrations  
APPROVED

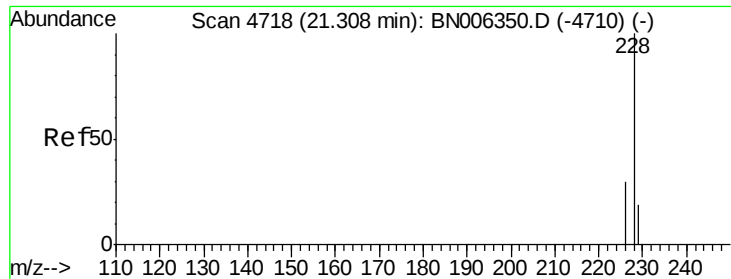
mohammad  
6/21/2019 8:22:50 AM



#18  
Benzo(a)anthracene  
Concen: 0.039 ng/ul  
RT: 21.25 min Scan# 4697  
Delta R.T. -0.01 min  
Lab File: BN006362.D  
Acq: 17 Jun 2019 23:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 26.0  | 16.5  | 24.7  |
| 226     | 33.4  | 22.8  | 34.2  |





#19

Chrysene

Concen: 0.048 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.01 min

Lab File: BN006362.D

Acq: 17 Jun 2019 23:19

Instrument :

BNA\_N

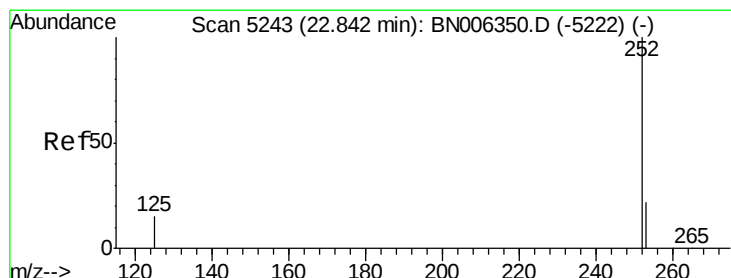
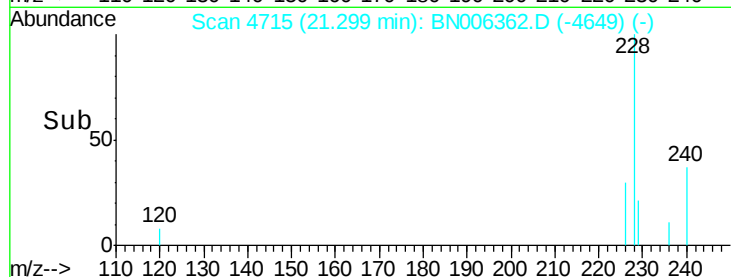
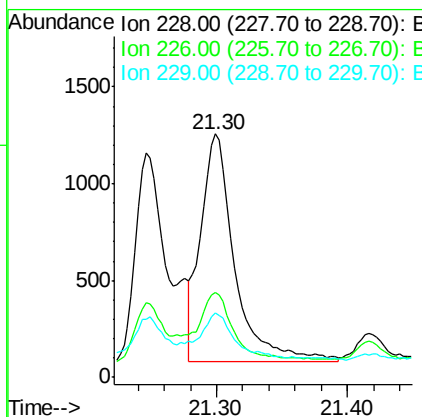
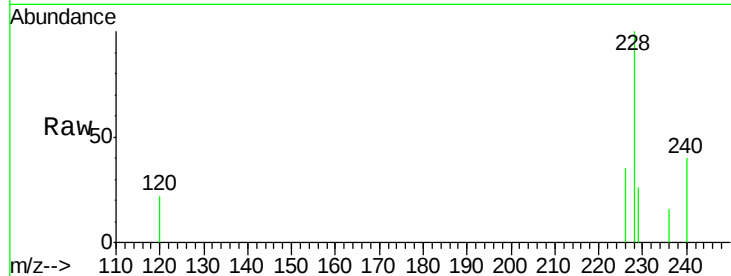
ClientSampleId :

A4204

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 2118  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 34.7  | 25.0  | 37.6  |
| 229       | 26.4  | 16.3  | 24.5# |

Manual Integrations  
APPROVED

mohammad  
6/21/2019 8:22:50 AM



#21

Benzo(b)fluoranthene

Concen: 0.079 ng/ul

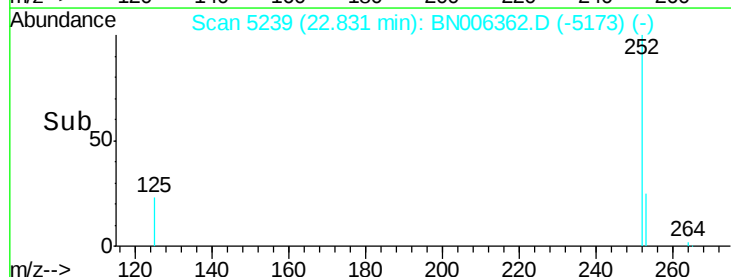
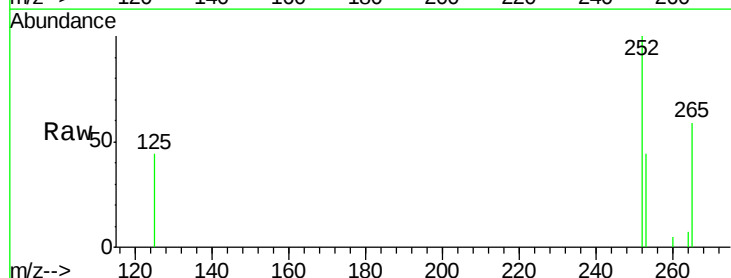
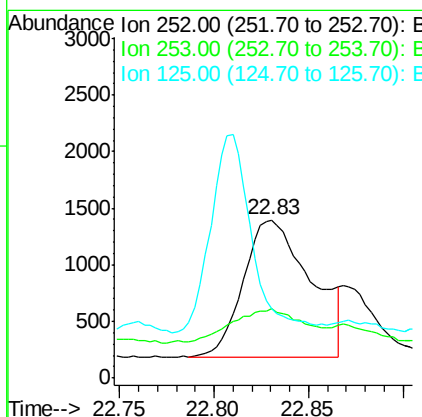
RT: 22.83 min Scan# 5239

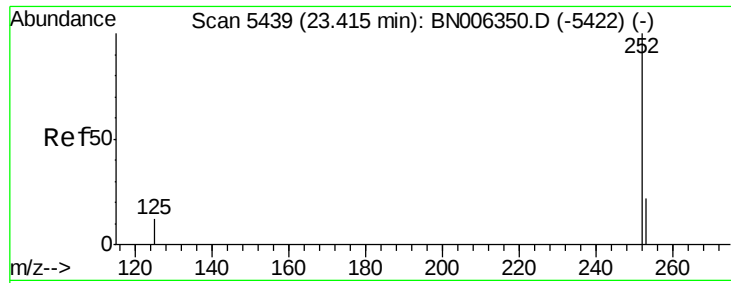
Delta R.T. -0.01 min

Lab File: BN006362.D

Acq: 17 Jun 2019 23:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 3030  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 43.9  | 0.0   | 51.4  |
| 125       | 44.1  | 0.0   | 41.0# |





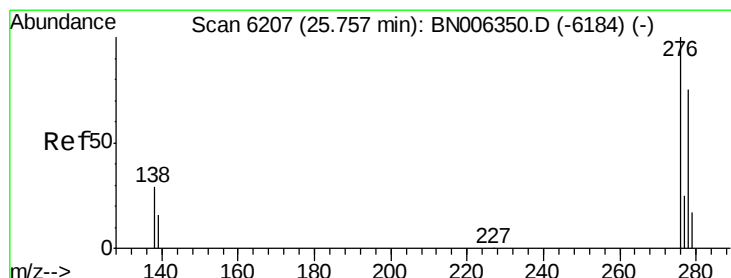
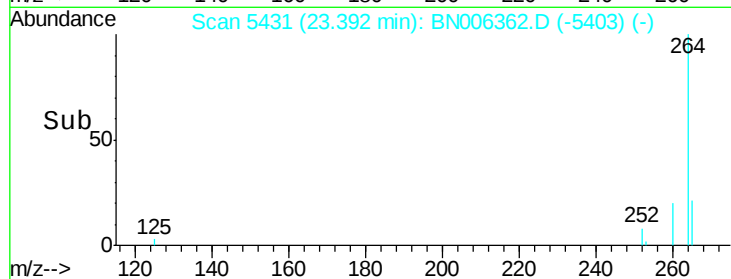
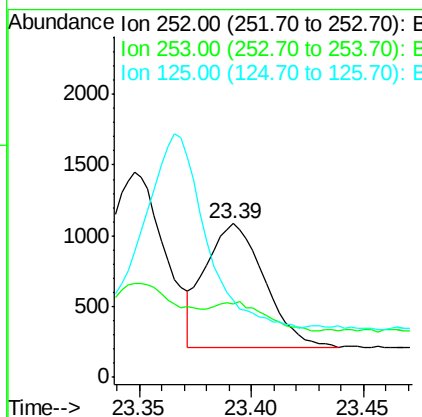
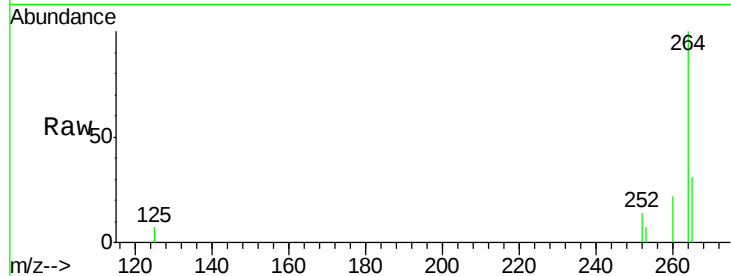
#23  
Benzo(a)pyrene  
Concen: 0.045 ng/ul m  
RT: 23.39 min Scan# 5431  
Delta R.T. -0.02 min  
Lab File: BN006362.D  
Acq: 17 Jun 2019 23:19

Instrument :  
BNA\_N  
ClientSampleId :  
A4204

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 48.2  | 21.1  | 31.7# |
| 125     | 50.6  | 20.3  | 30.5# |

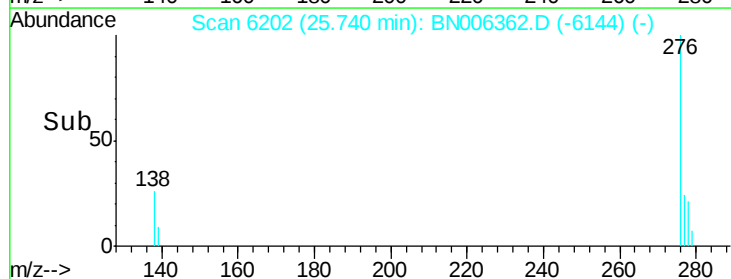
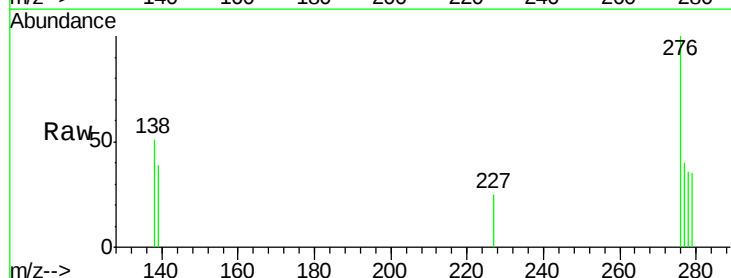
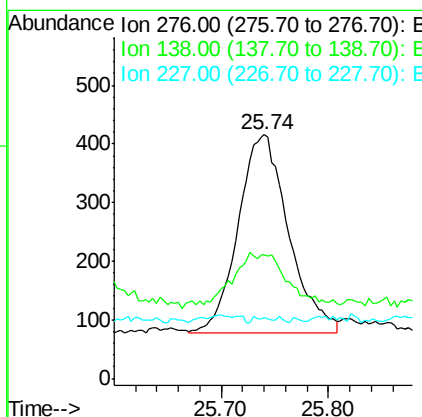
Manual Integrations  
APPROVED

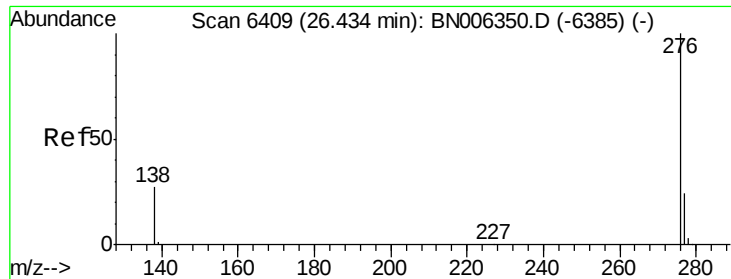
mohammad  
6/21/2019 8:22:50 AM



#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.028 ng/ul m  
RT: 25.74 min Scan# 6202  
Delta R.T. -0.00 min  
Lab File: BN006362.D  
Acq: 17 Jun 2019 23:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 25.6  | 38.4# |
| 227     | 0.4   | 0.3   | 0.5   |





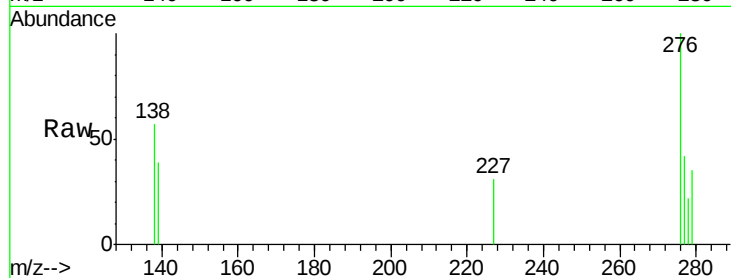
#26  
 Benzo(a,h,i)perylene  
 Concen: 0.029 ng/ul m  
 RT: 26.42 min Scan# 6404  
 Delta R.T. -0.01 min  
 Lab File: BN006362.D  
 Acq: 17 Jun 2019 23:19

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4204

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 56.5  | 24.2  | 36.4# |
| 277     | 41.8  | 21.5  | 32.3# |

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 8:22:50 AM



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

