

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013048.D  
 Acq On : 10 Dec 2020 15:41  
 Operator : CG/JU  
 Sample : L4941-18DL 5X  
 Misc :  
 ALS Vial : 118 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B50DL

Manual Integrations  
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Quant Time: Dec 10 16:23:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 10 10:29:27 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 1010     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.14 | 136  | 4062     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.04 | 164  | 2238     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.80 | 188  | 4689     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.03 | 240  | 3653     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.13 | 264  | 3558     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.75 | 152  | 205      | 0.03   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.85 | 212  | 487      | 0.04   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 16.84 | 178  | 4159     | 0.265  | ng/ul  | 99       |
| 13) Anthracene              | 16.93 | 178  | 445      | 0.033  | ng/ul# | 76       |
| 15) Fluoranthene            | 18.87 | 202  | 11861    | 0.635  | ng/ul  | 99       |
| 17) Pyrene                  | 19.24 | 202  | 10465    | 0.607  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.01 | 228  | 4407     | 0.292  | ng/ul  | 98       |
| 19) Chrysene                | 21.06 | 228  | 6812     | 0.408  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.51 | 252  | 9130m    | 0.555  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.55 | 252  | 3416m    | 0.188  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.04 | 252  | 5329     | 0.349  | ng/ul# | 92       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.18 | 276  | 3928     | 0.196  | ng/ul# | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.18 | 278  | 998      | 0.063  | ng/ul# | 54       |
| 26) Benzo(g,h,i)perylene    | 25.81 | 276  | 3514     | 0.194  | ng/ul# | 94       |

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

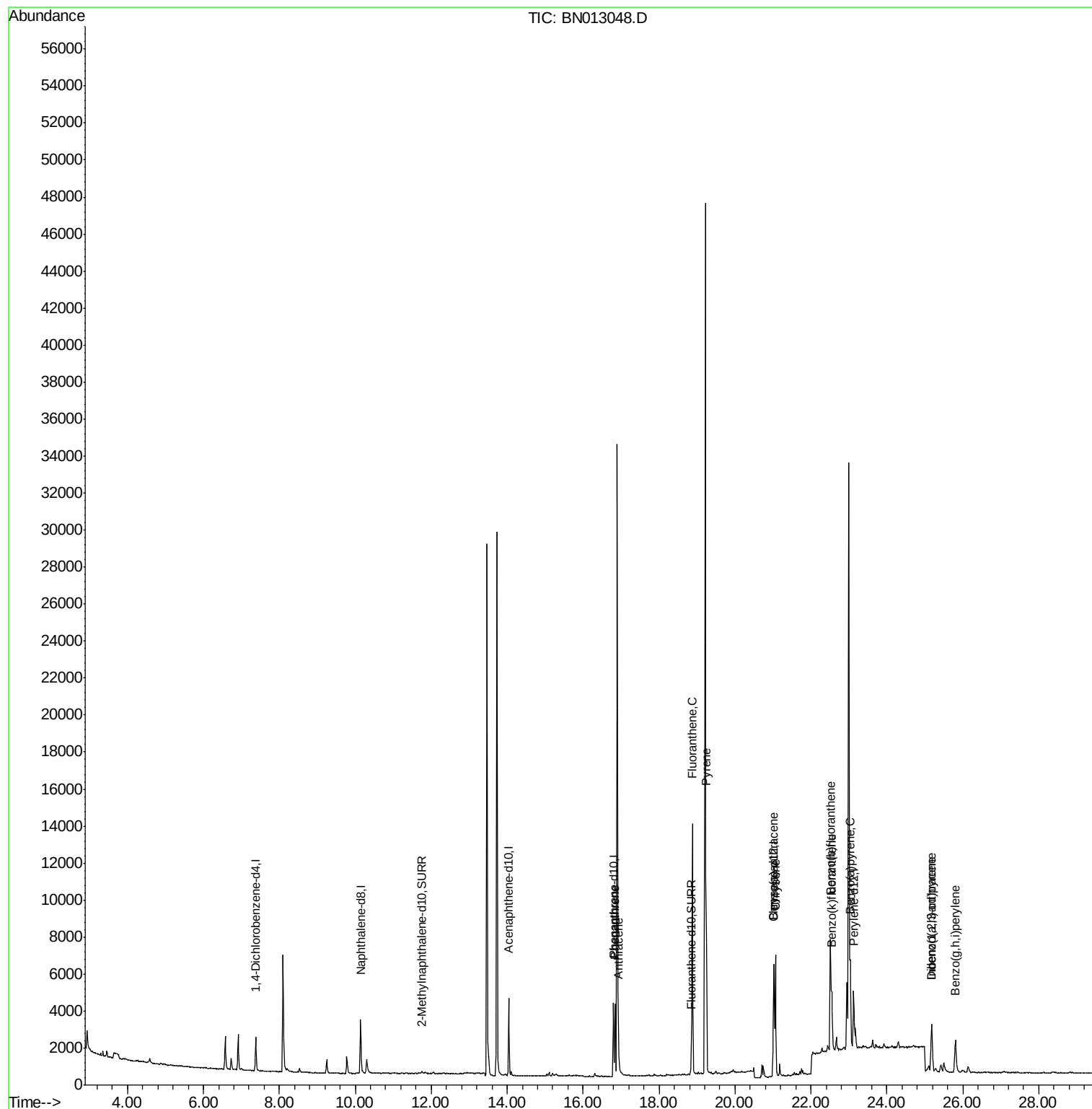
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN013048.D  
Acq On : 10 Dec 2020 15:41  
Operator : CG/JU  
Sample : L4941-18DL 5X  
Misc :  
ALS Vial : 118 Sample Multiplier: 1

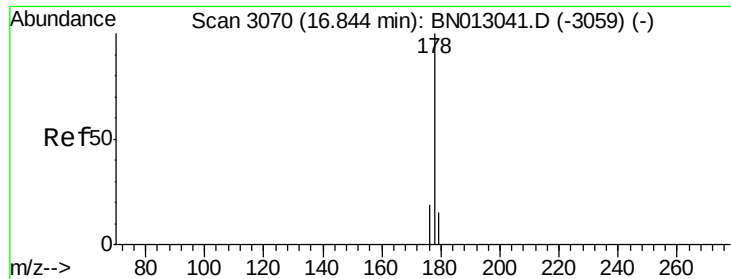
Instrument :  
BNA\_N  
ClientSampleId :  
C0B50DL

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Quant Time: Dec 10 16:23:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 10 10:29:27 2020  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.265 ng/ul

RT: 16.84 min Scan# 3069

Delta R.T. -0.00 min

Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

Instrument :

BNA\_N

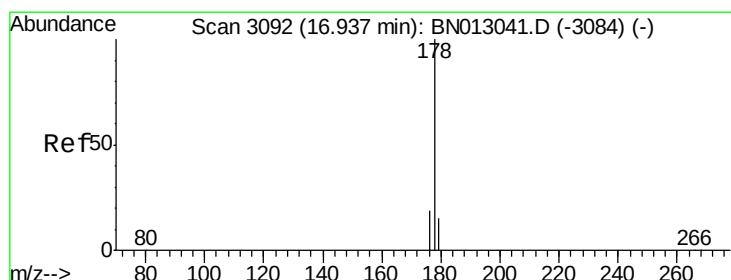
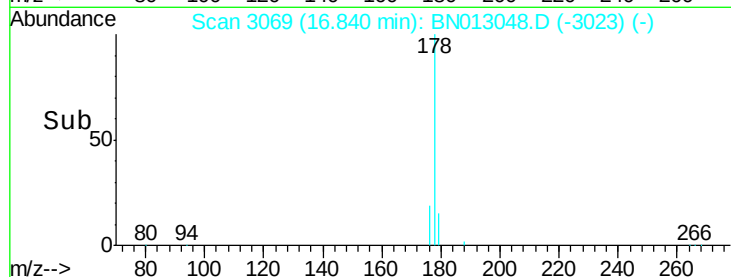
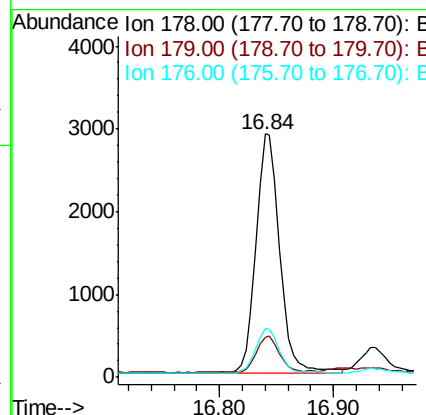
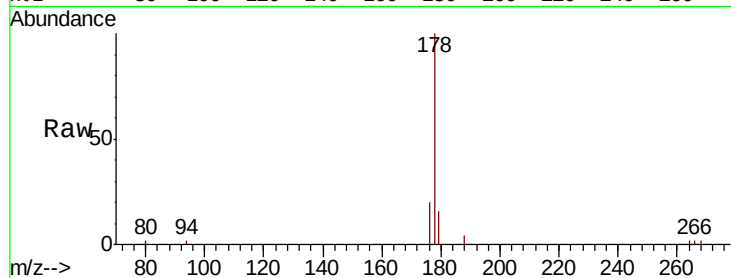
ClientSampleId :

C0B50DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 4159  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.4  | 13.6  | 20.4  |
| 176      | 20.2  | 16.4  | 24.6  |

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#13

Anthracene

Concen: 0.033 ng/ul

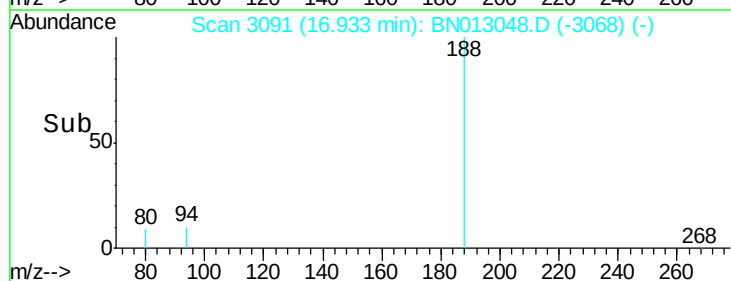
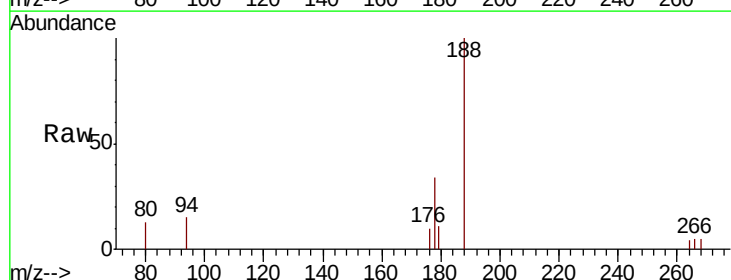
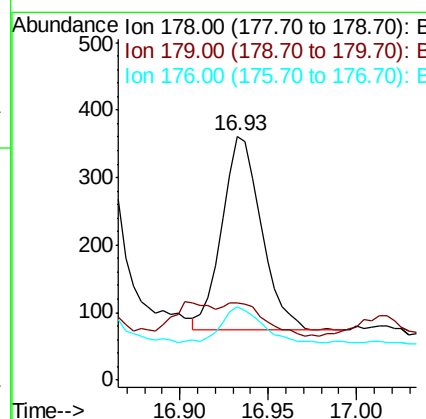
RT: 16.93 min Scan# 3091

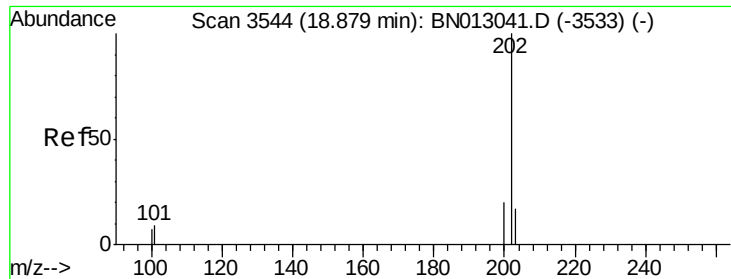
Delta R.T. -0.00 min

Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 445   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 31.6  | 14.6  | 21.8# |
| 176      | 29.9  | 17.1  | 25.7# |





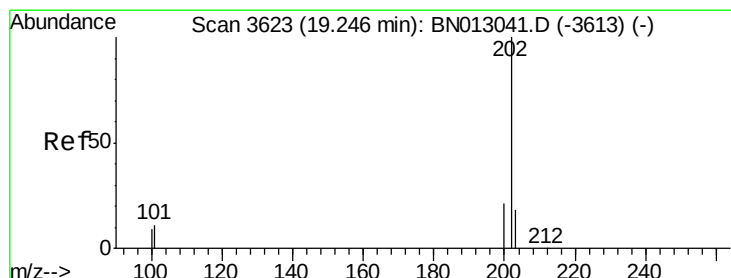
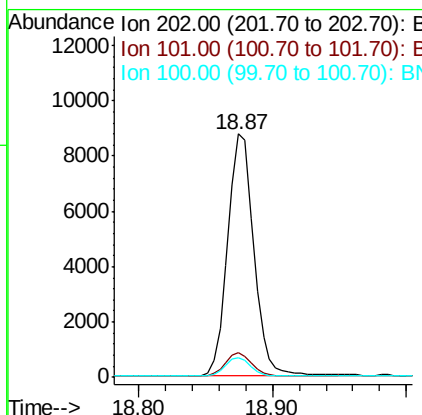
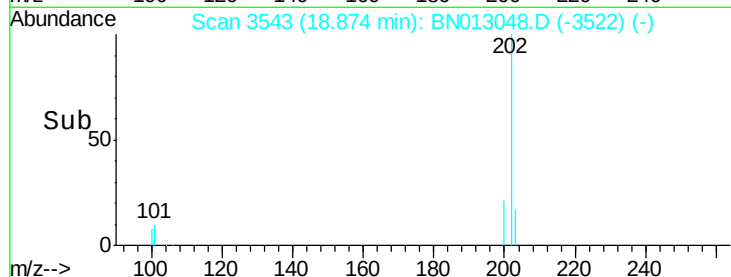
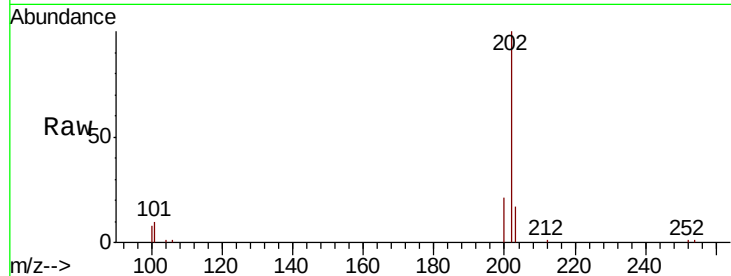
#15  
Fluoranthene  
Concen: 0.635 ng/ul  
RT: 18.87 min Scan# 3543  
Delta R.T. -0.00 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

Instrument :  
BNA\_N  
ClientSampleId :  
C0B50DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 11861 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.4  | 0.0   | 30.6  |
| 100       | 8.1   | 0.0   | 28.7  |

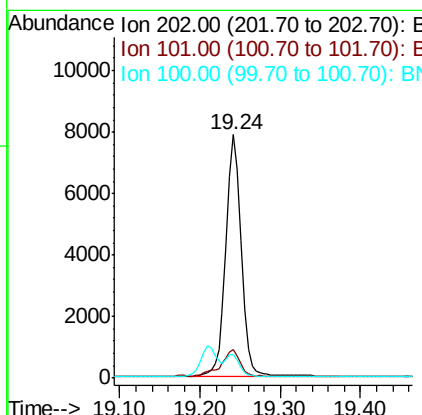
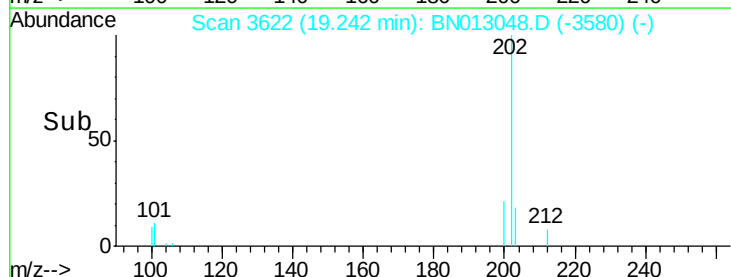
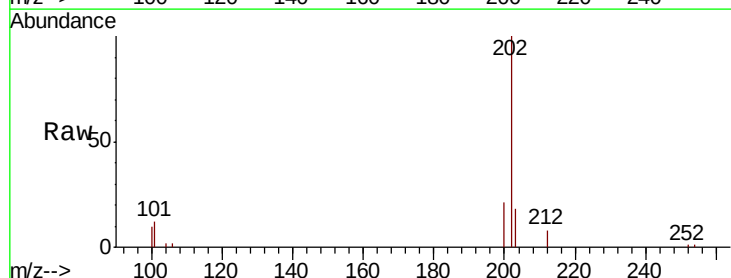
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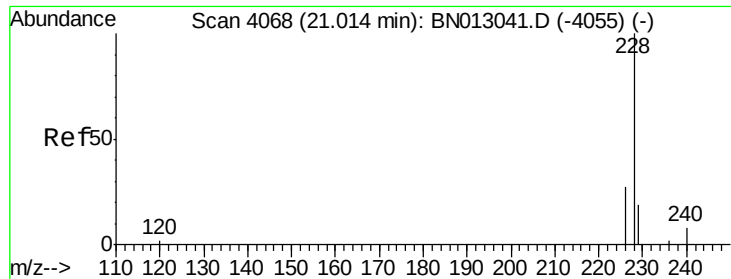
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#17  
Pyrene  
Concen: 0.607 ng/ul  
RT: 19.24 min Scan# 3622  
Delta R.T. -0.00 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 10465 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.6  | 9.1   | 13.7  |
| 100       | 9.7   | 7.5   | 11.3  |





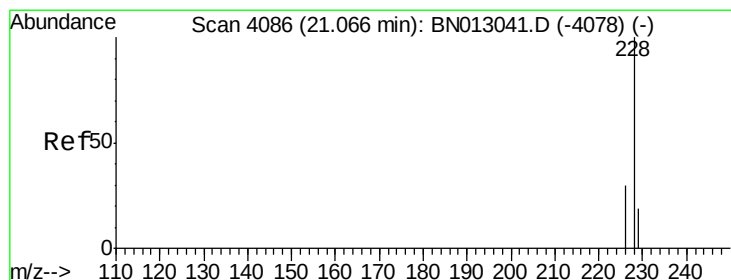
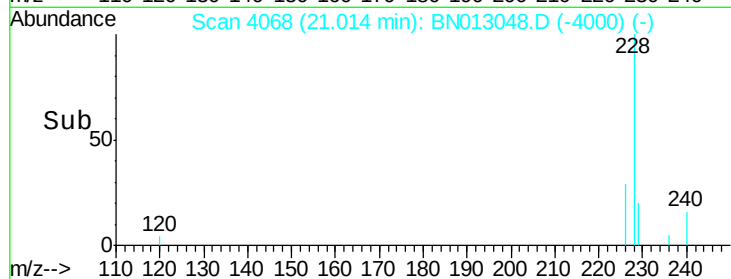
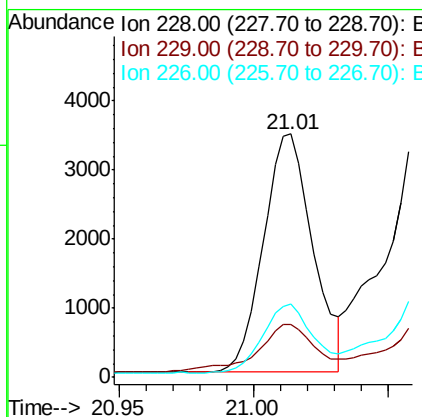
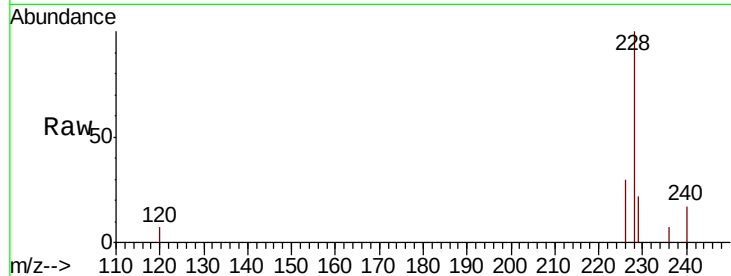
#18  
Benzo(a)anthracene  
Concen: 0.292 ng/ul  
RT: 21.01 min Scan# 4068  
Delta R.T. 0.00 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

Instrument :  
BNA\_N  
ClientSampleId :  
C0B50DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.7  | 16.3  | 24.5  |
| 226     | 30.1  | 23.4  | 35.2  |

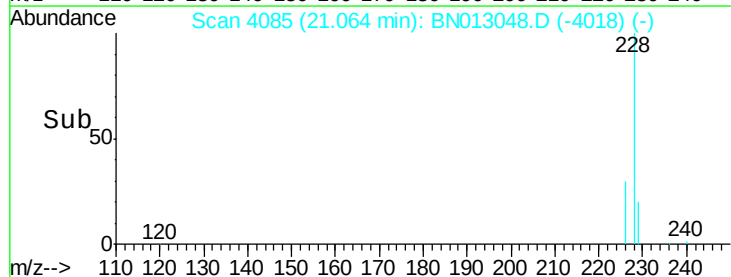
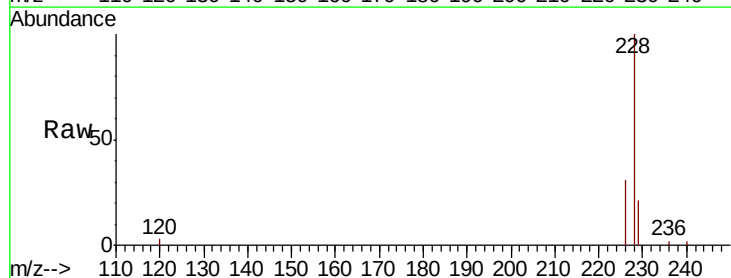
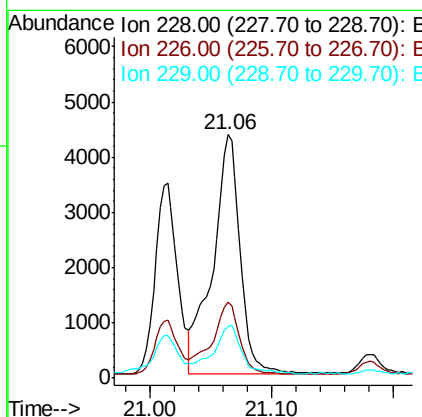
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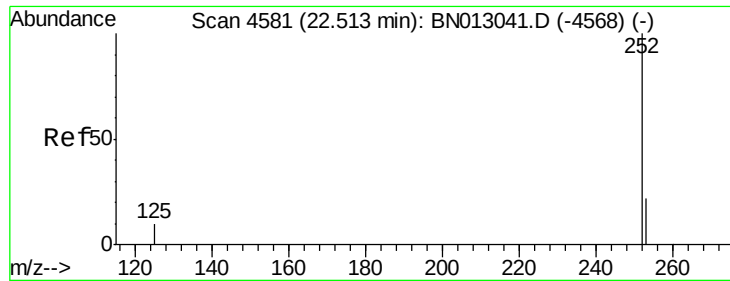
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#19  
Chrysene  
Concen: 0.408 ng/ul  
RT: 21.06 min Scan# 4085  
Delta R.T. -0.00 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 25.0  | 37.6  |
| 229     | 21.3  | 16.4  | 24.6  |





#21

Benzo(b)fluoranthene

Concen: 0.555 ng/ul m

RT: 22.51 min Scan# 4580

Delta R.T. 0.00 min

Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

Instrument :

BNA\_N

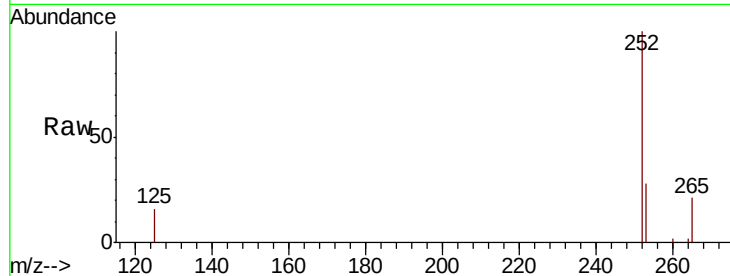
ClientSampleId :

C0B50DL

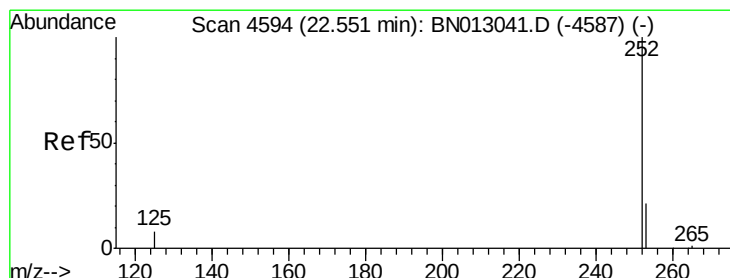
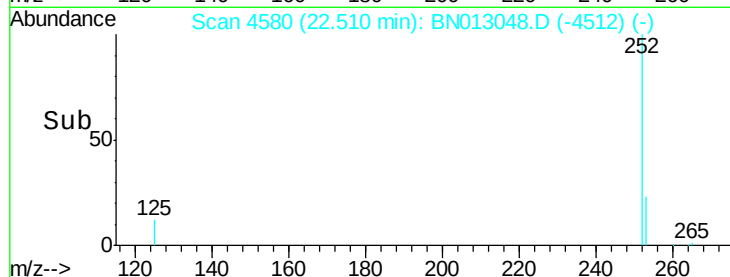
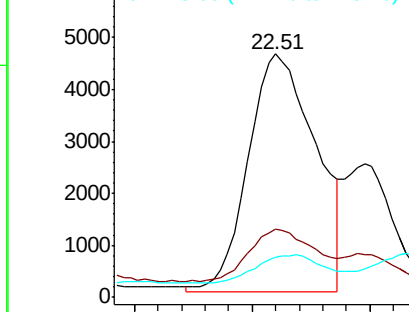
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 252   | Resp: | 9130 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 27.9  | 0.0   | 59.6 |
| 125       | 16.4  | 0.0   | 26.0 |

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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



#22

Benzo(k)fluoranthene

Concen: 0.188 ng/ul m

RT: 22.55 min Scan# 4593

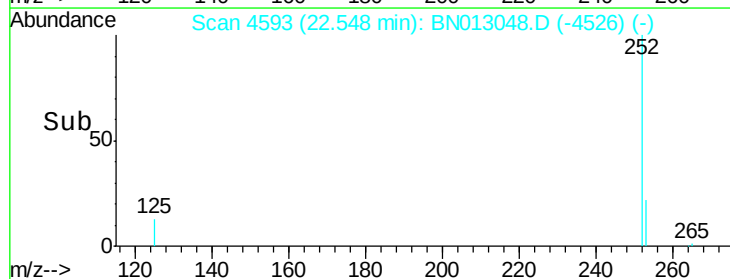
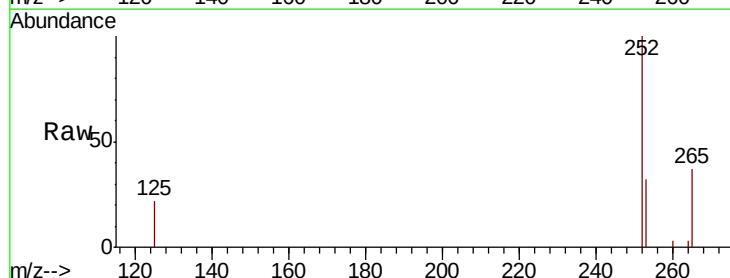
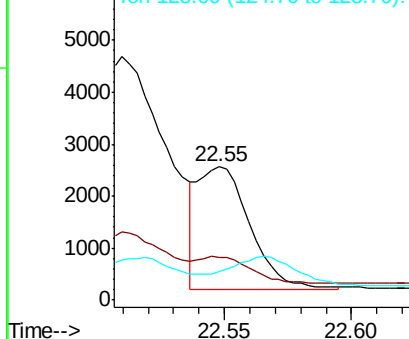
Delta R.T. -0.00 min

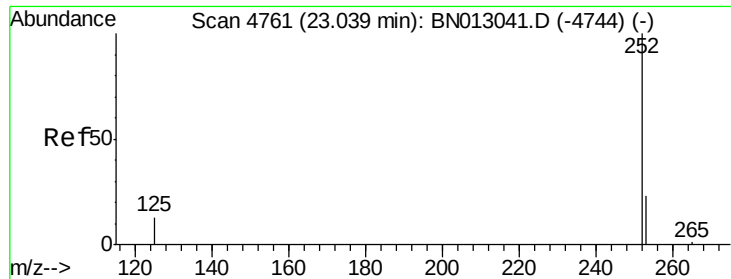
Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 3416  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.9  | 23.4  | 35.2  |
| 125       | 21.7  | 11.1  | 16.7# |

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





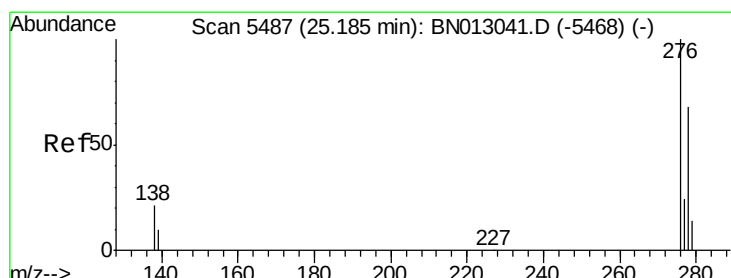
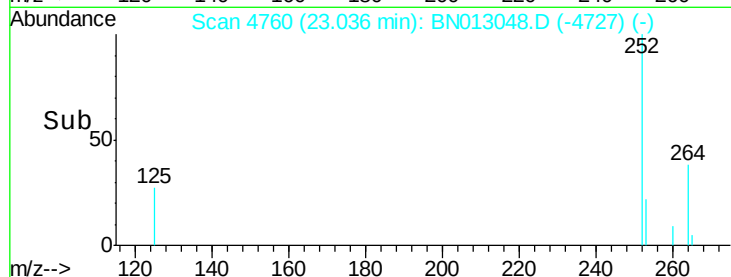
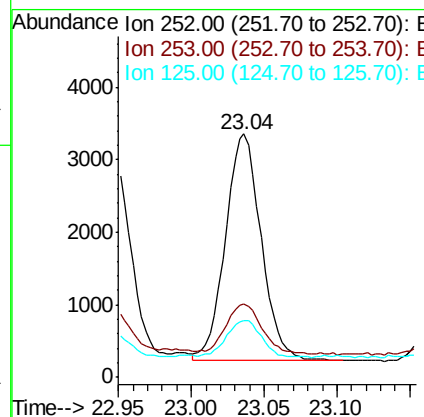
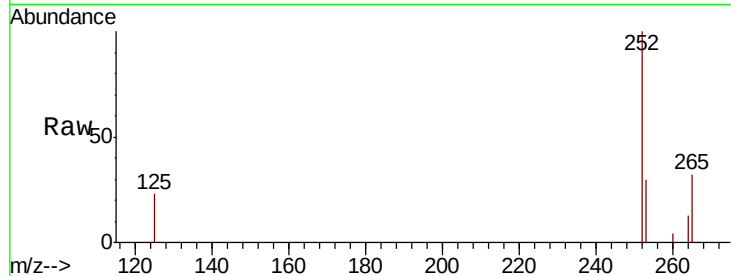
#23  
Benzo(a)pyrene  
Concen: 0.349 ng/ul  
RT: 23.04 min Scan# 4760  
Delta R.T. -0.00 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

Instrument :  
BNA\_N  
ClientSampleId :  
C0B50DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.9  | 26.5  | 39.7  |
| 125     | 23.5  | 14.2  | 21.2  |

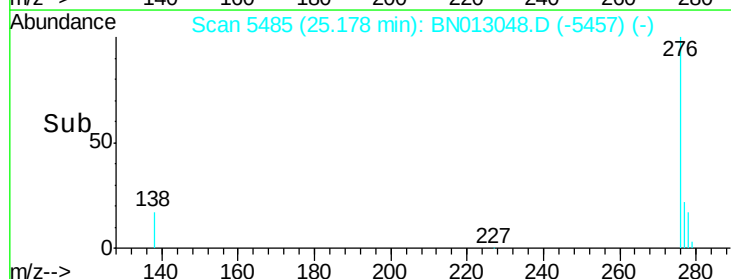
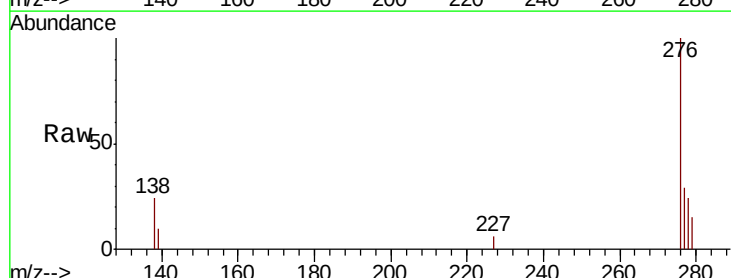
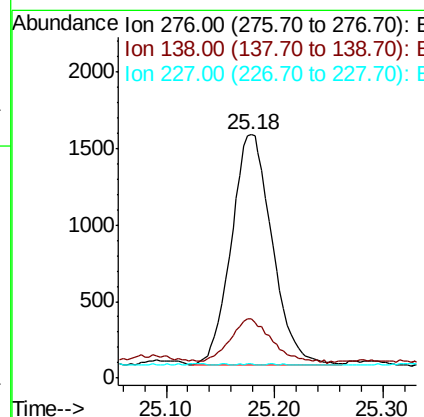
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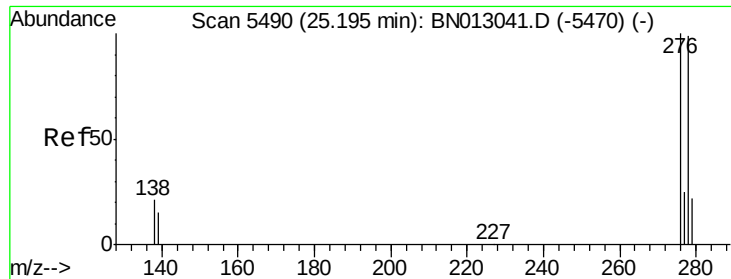
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#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.196 ng/ul  
RT: 25.18 min Scan# 5485  
Delta R.T. -0.01 min  
Lab File: BN013048.D  
Acq: 10 Dec 2020 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.2  | 16.2  | 24.2  |
| 227     | 0.2   | 0.0   | 0.0   |





#25

Dibenzo(a,h)anthracene

Concen: 0.063 ng/ul

RT: 25.18 min Scan# 5487

Delta R.T. -0.01 min

Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

Instrument :

BNA\_N

ClientSampled :

C0B50DL

Tot Ion:278 Resp: 998

Ion Ratio Lower Upper

278 100

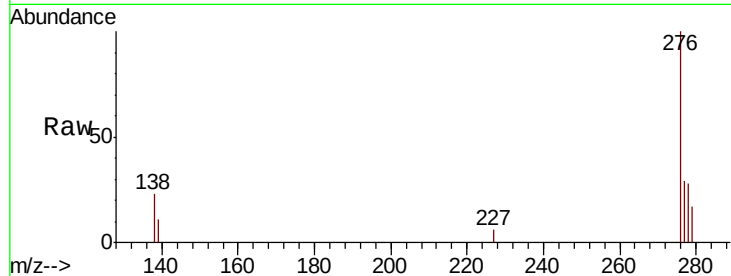
139 38.0 14.5 21.7#

279 59.5 26.3 39.5#

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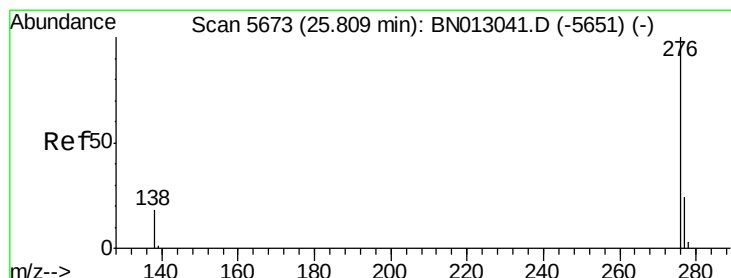
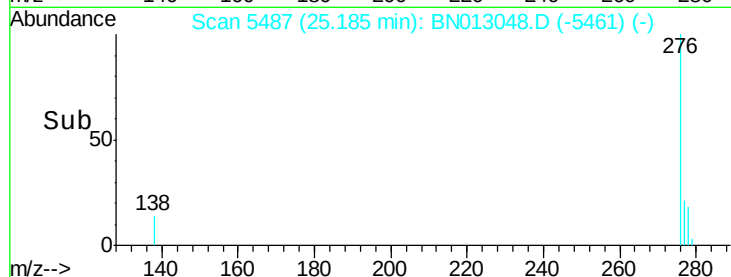
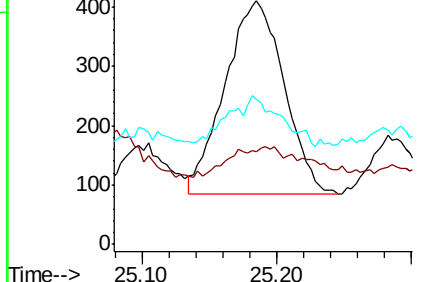
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Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.194 ng/ul

RT: 25.81 min Scan# 5672

Delta R.T. -0.00 min

Lab File: BN013048.D

Acq: 10 Dec 2020 15:41

Tgt Ion:276 Resp: 3514

Ion Ratio Lower Upper

276 100

138 24.6 16.3 24.5#

277 28.8 21.8 32.6

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

