

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\  
 Data File : BN001029.D  
 Acq On : 01 May 2018 14:26  
 Operator : JU/SJ  
 Sample : J2602-13  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 02 07:19:52 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 02 07:19:06 2018  
 Response via : Initial Calibration

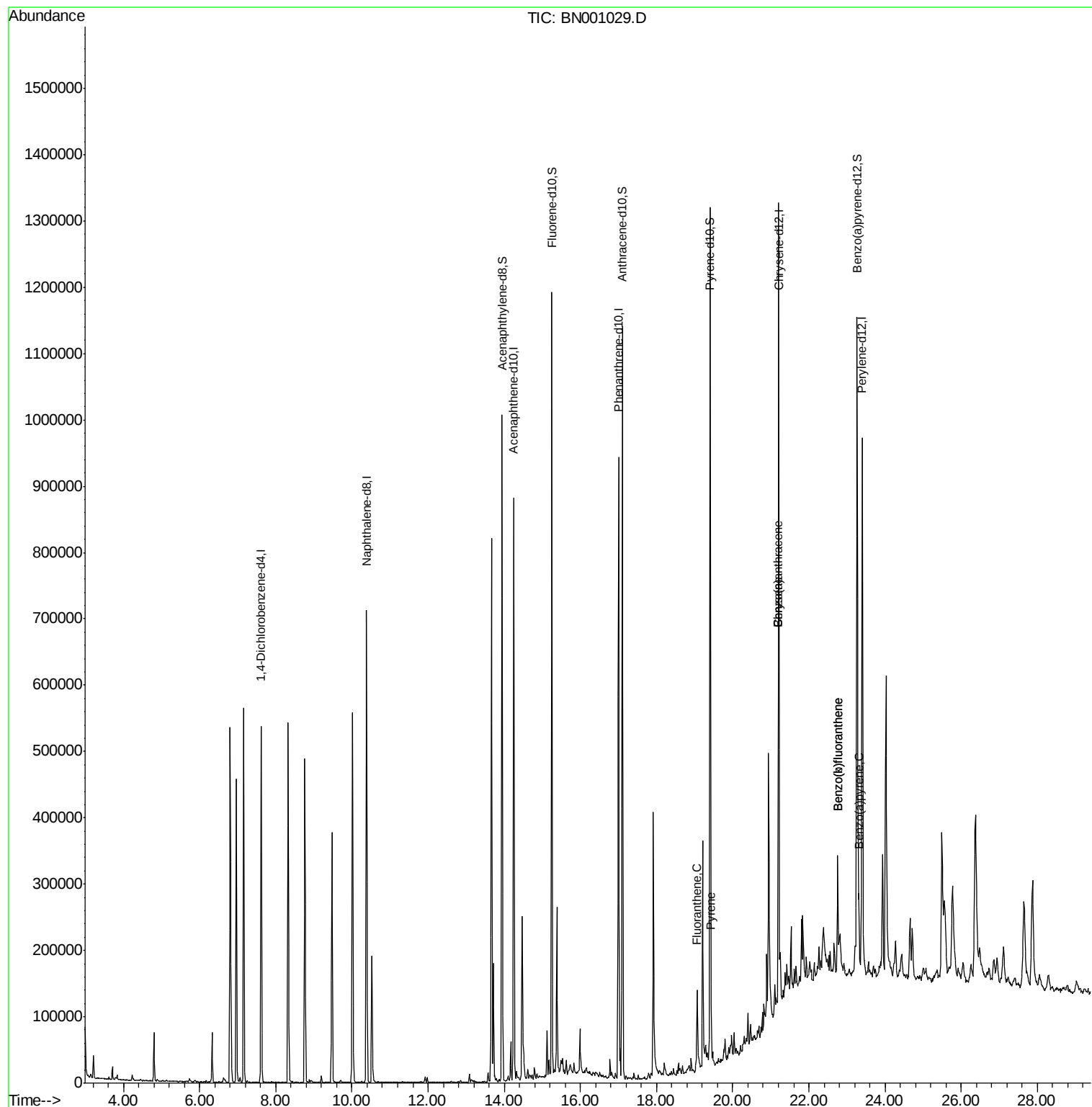
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 137855   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 571031   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.25 | 164  | 267411   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.00 | 188  | 498288   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.21 | 240  | 474556   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.40 | 264  | 500521   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 13.94 | 160  | 635461   | 24.74  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.25 | 176  | 415308   | 24.23  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 17.10 | 188  | 568584   | 24.95  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 19.40 | 212  | 595306   | 24.48  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 23.27 | 264  | 648591   | 27.43  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 16) Fluoranthene            | 19.07 | 202  | 62012    | 2.249  | ng/ul  | 96       |
| 19) Pyrene                  | 19.43 | 202  | 53059    | 1.741  | ng/ul# | 89       |
| 20) Benzo(a)anthracene      | 21.19 | 228  | 29843    | 1.052  | ng/ul  | 95       |
| 21) Chrysene                | 21.19 | 228  | 28837    | 1.082  | ng/ul  | 98       |
| 23) Benzo(b)fluoranthene    | 22.75 | 252  | 70219    | 2.469  | ng/ul# | 90       |
| 24) Benzo(k)fluoranthene    | 22.75 | 252  | 56575    | 2.033  | ng/ul# | 90       |
| 26) Benzo(a)pyrene          | 23.31 | 252  | 33565    | 1.235  | ng/ul# | 90       |

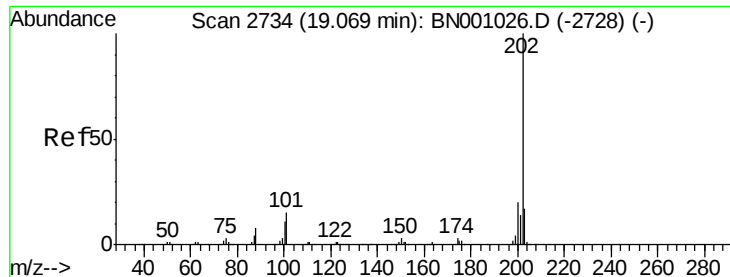
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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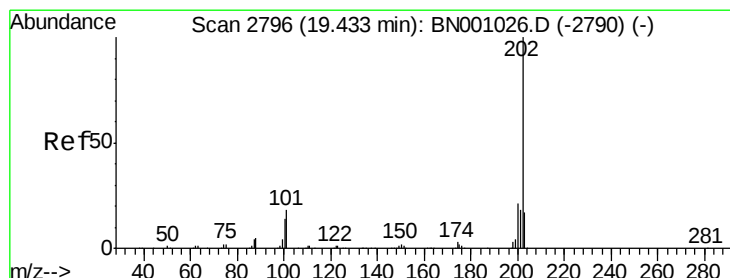
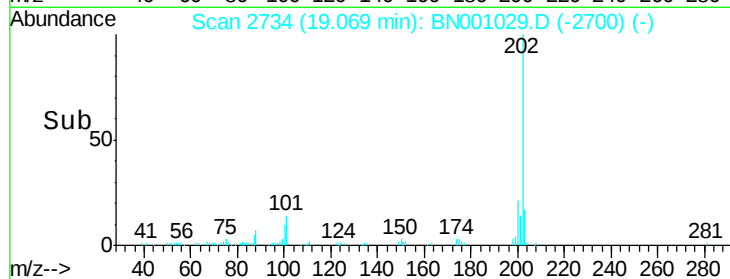
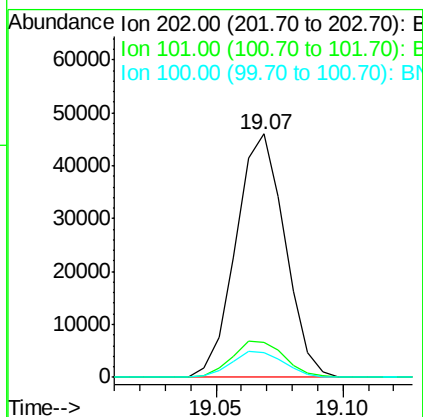
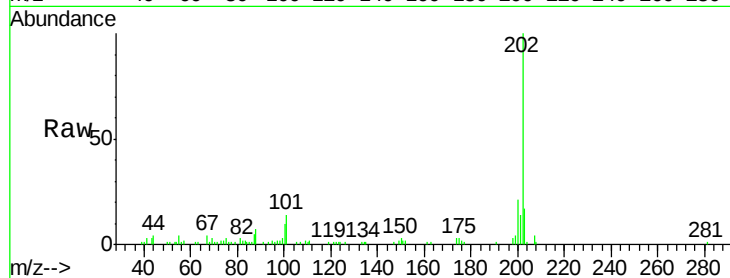




#16  
**Fluoranthene**  
 Concen: 2.249 ng/ul  
 RT: 19.07 min Scan# 2734  
 Delta R.T. -0.00 min  
 Lab File: BN001029.D  
 Acq: 01 May 2018 14:26

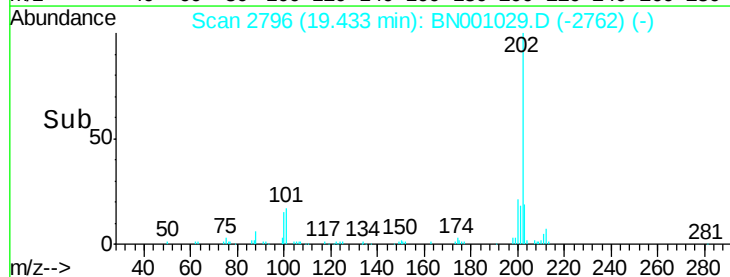
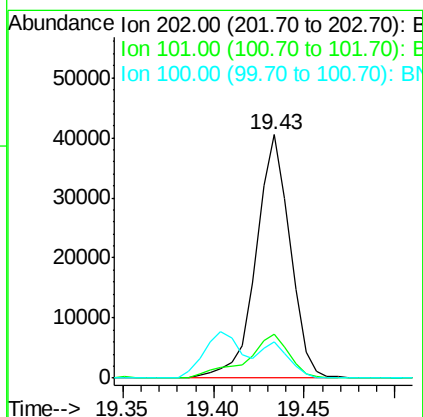
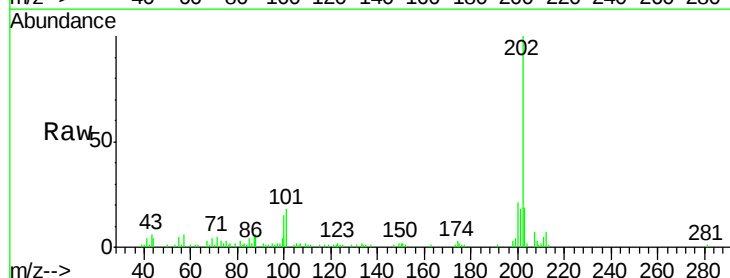
Instrument :  
 BNA\_N  
 ClientSampleId :

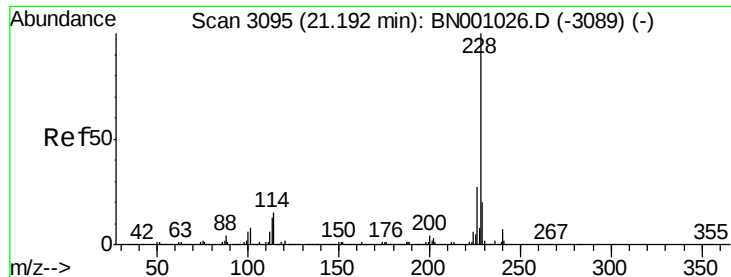
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 62012 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 14.5  | 9.9   | 14.9  |
| 100      | 10.0  | 7.4   | 11.0  |



#19  
**Pyrene**  
 Concen: 1.741 ng/ul  
 RT: 19.43 min Scan# 2796  
 Delta R.T. -0.00 min  
 Lab File: BN001029.D  
 Acq: 01 May 2018 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 53059 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 18.0  | 11.0  | 16.4# |
| 100      | 14.7  | 8.1   | 12.1# |





#20

Benzo(a)anthracene

Concen: 1.052 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN001029.D

Acq: 01 May 2018 14:26

Instrument :

BNA\_N

ClientSampleId :

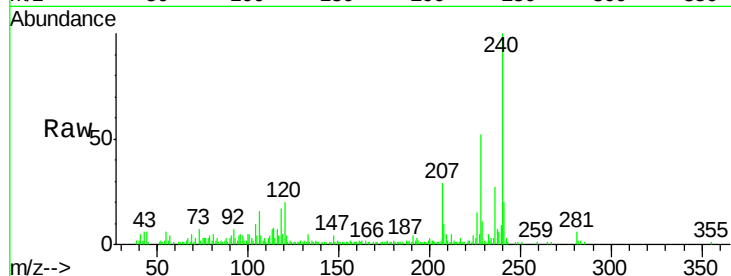
Tot Ion:228 Resp: 29843

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

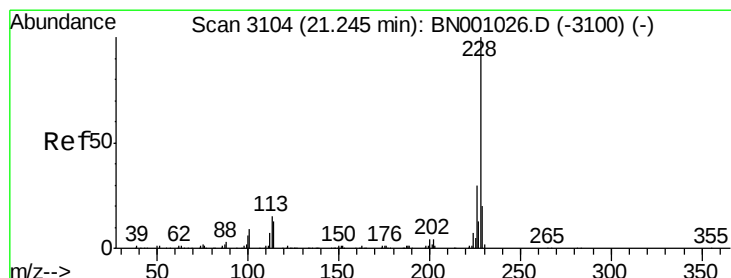
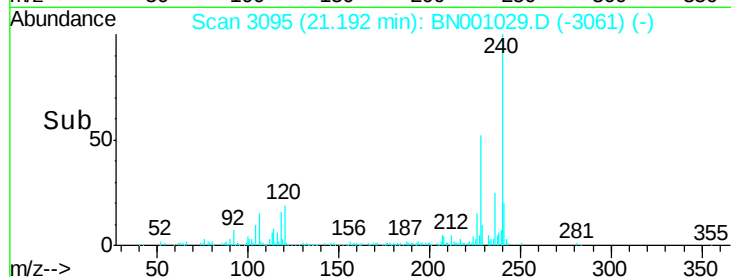
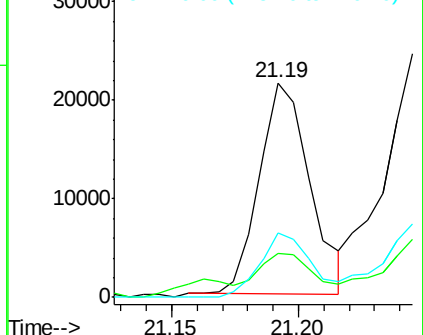
226 29.7 21.1 31.7



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



#21

Chrysene

Concen: 1.082 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.05 min

Lab File: BN001029.D

Acq: 01 May 2018 14:26

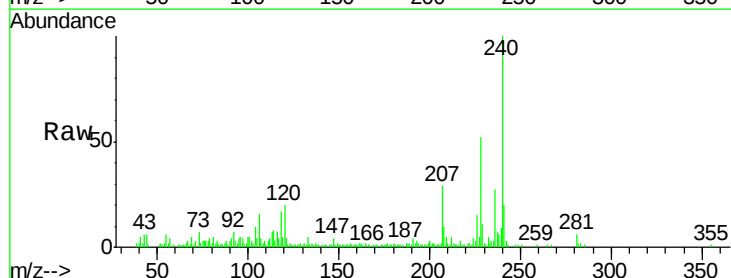
Tgt Ion:228 Resp: 28837

Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

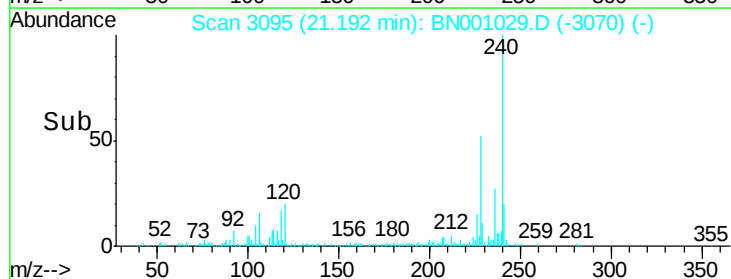
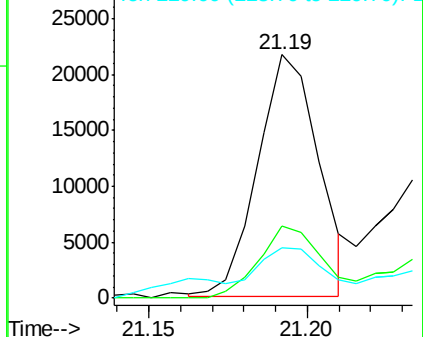
229 20.7 15.8 23.8

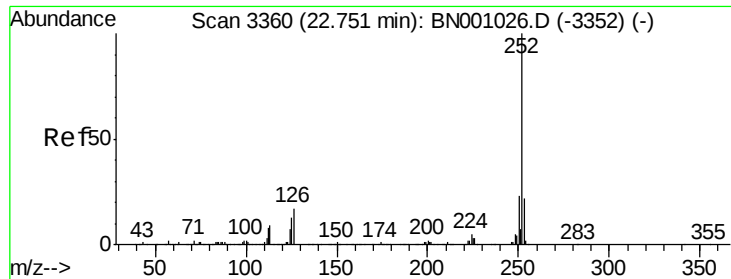


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 2.469 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.00 min

Lab File: BN001029.D

Acq: 01 May 2018 14:26

Instrument :

BNA\_N

ClientSampleId :

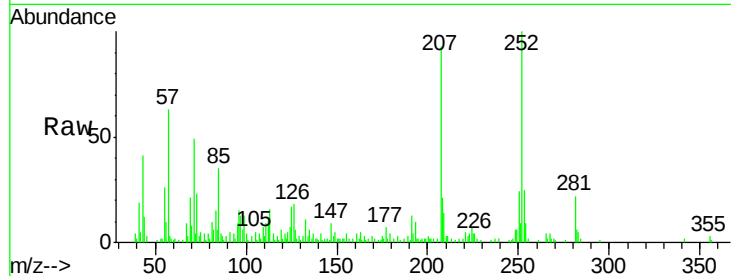
Tot Ion:252 Resp: 70219

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

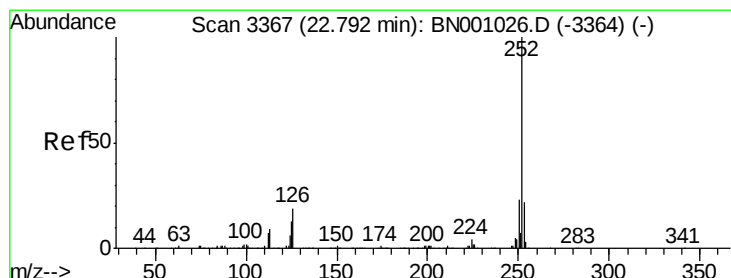
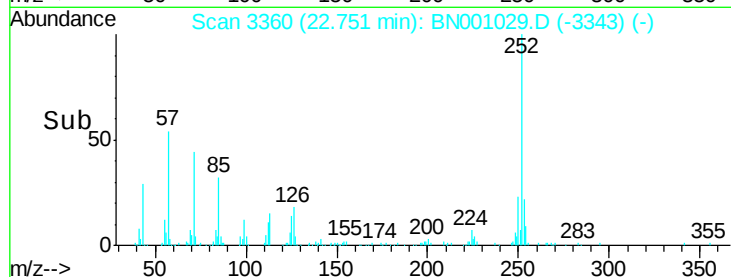
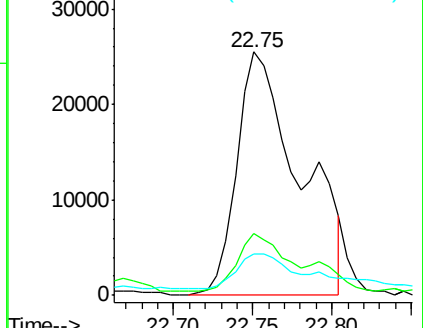
125 17.1 8.0 12.0#



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: 2.033 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BN001029.D

Acq: 01 May 2018 14:26

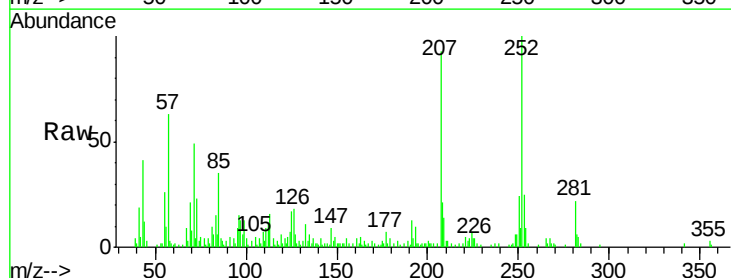
Tgt Ion:252 Resp: 56575

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

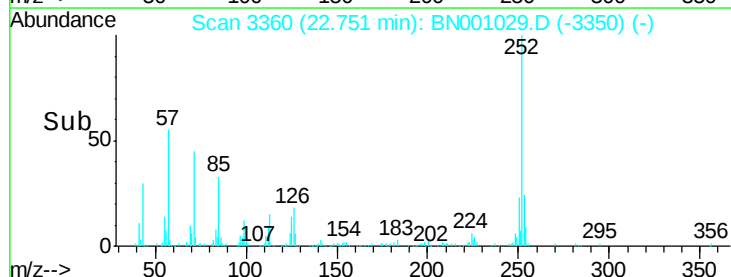
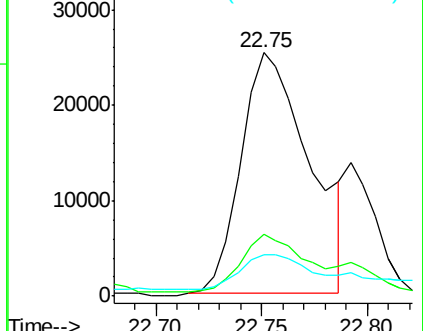
125 17.1 8.1 12.1#

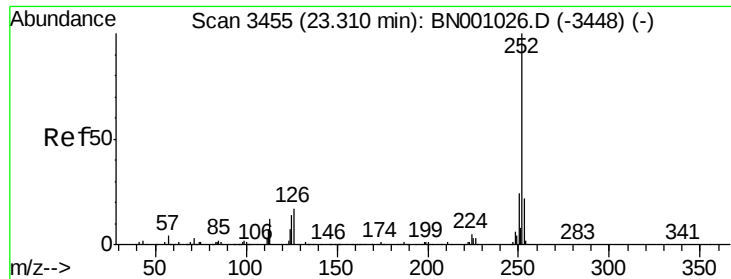


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.235 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.00 min

Lab File: BN001029.D

Acq: 01 May 2018 14:26

Instrument :

BNA\_N

ClientSampleId :

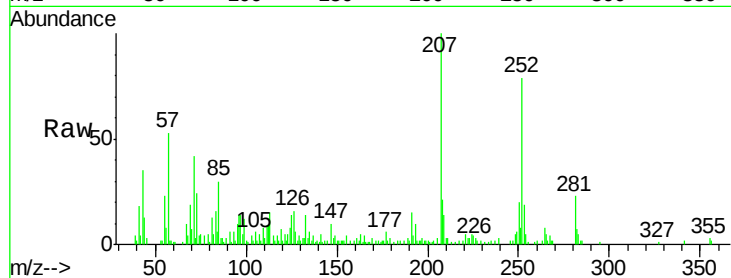
Tot Ion:252 Resp: 33565

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 17.2 8.2 12.4#



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

