

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002495.D  
 Acq On : 24 Aug 2018 08:27  
 Operator : JU/SJ  
 Sample : J4424-07  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3YR7

Manual Integrations  
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Quant Time: Aug 24 11:54:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 1498     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.44 | 136  | 6336     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.31 | 164  | 3808     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.05 | 188  | 8963m    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 9352m    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.47 | 264  | 10229    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 2449     | 0.24   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 7377m    | 0.28   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.09 | 178  | 1326m    | 0.050  | ng/ul  |          |
| 15) Fluoranthene            | 19.12 | 202  | 1946m    | 0.062  | ng/ul  |          |
| 17) Pyrene                  | 19.48 | 202  | 1751     | 0.055  | ng/ul# | 92       |
| 18) Benzo(a)anthracene      | 21.24 | 228  | 1103     | 0.039  | ng/ul# | 83       |
| 19) Chrysene                | 21.29 | 228  | 1047     | 0.033  | ng/ul# | 82       |

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

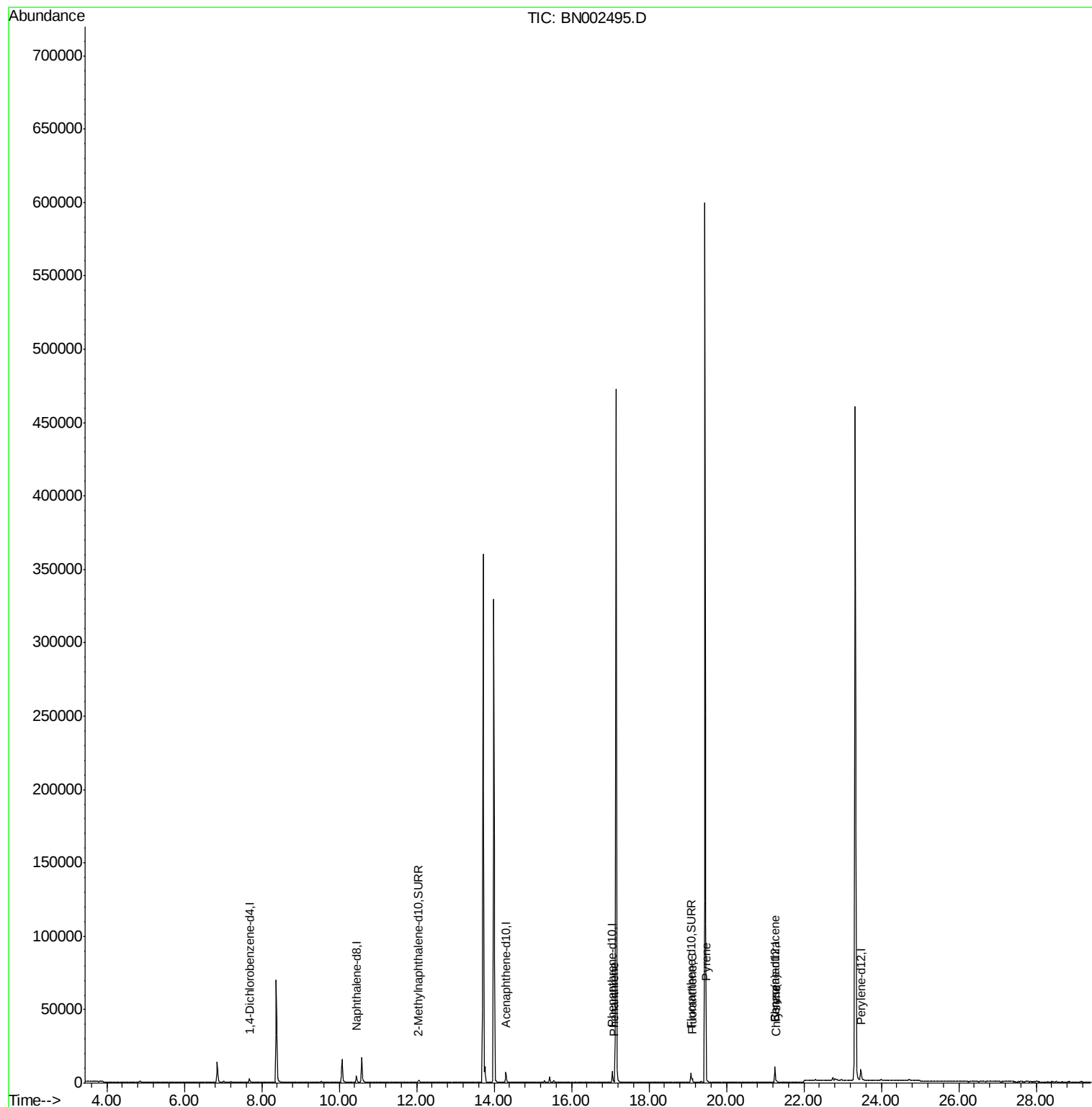
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
Data File : BN002495.D  
Acq On : 24 Aug 2018 08:27  
Operator : JU/SJ  
Sample : J4424-07  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

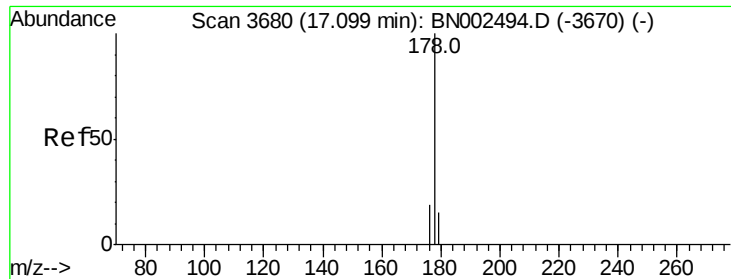
Instrument :  
BNA\_N  
ClientSampleId :  
A3YR7

Manual Integrations  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 24 02:20:09 2018  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.050 ng/ul m

RT: 17.09 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BN002495.D

Acq: 24 Aug 2018 08:27

Instrument :

BNA\_N

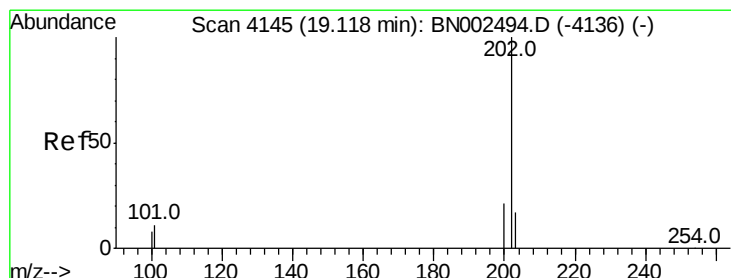
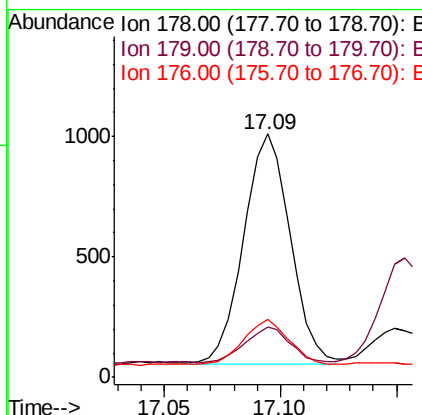
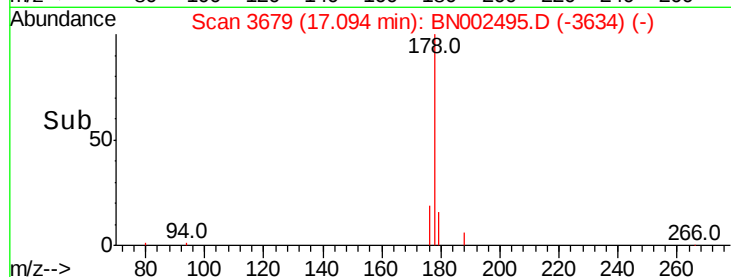
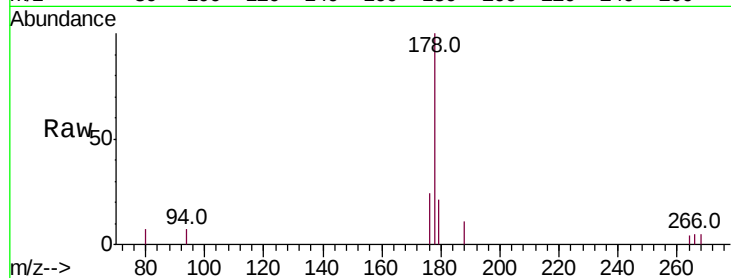
ClientSampled :

A3YR7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 1326  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 20.8  | 18.4  | 27.6  |
| 176       | 23.6  | 13.6  | 20.4# |

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#15

Fluoranthene

Concen: 0.062 ng/ul m

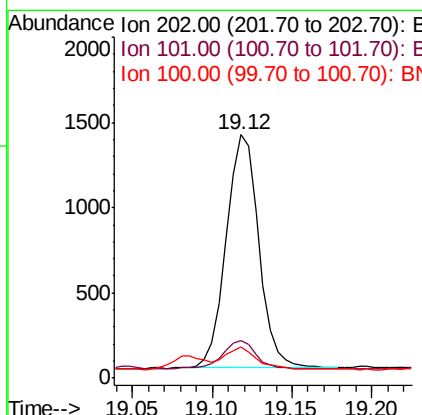
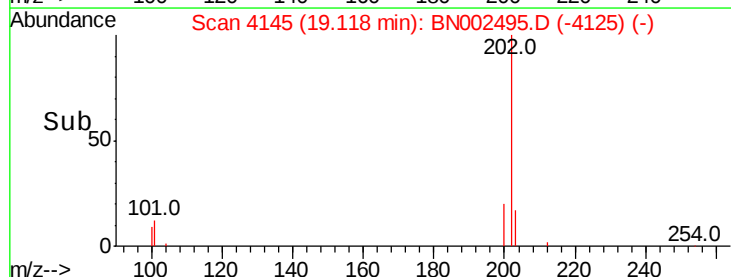
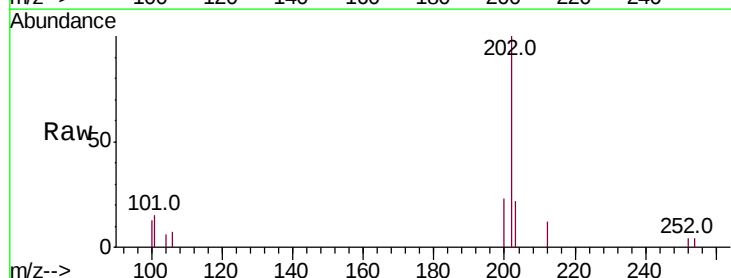
RT: 19.12 min Scan# 4145

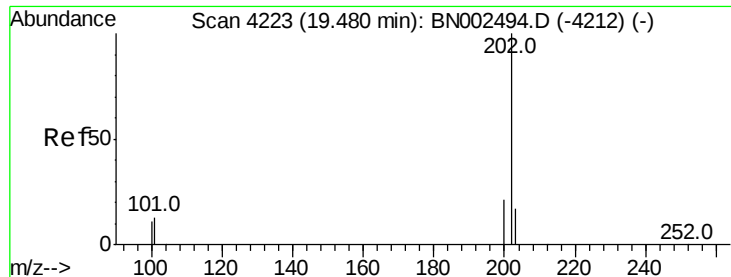
Delta R.T. -0.00 min

Lab File: BN002495.D

Acq: 24 Aug 2018 08:27

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1946 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 15.5  | 0.0   | 30.0 |
| 100       | 12.7  | 0.0   | 30.0 |





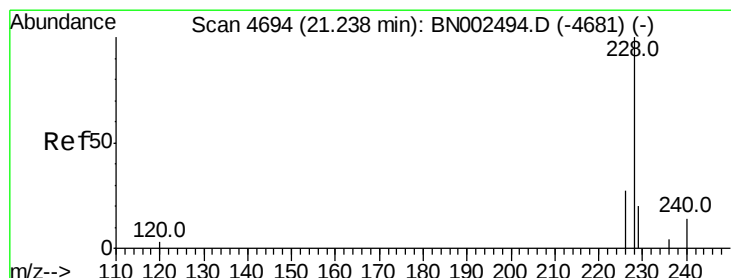
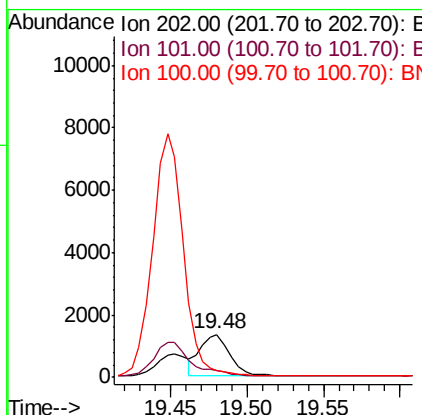
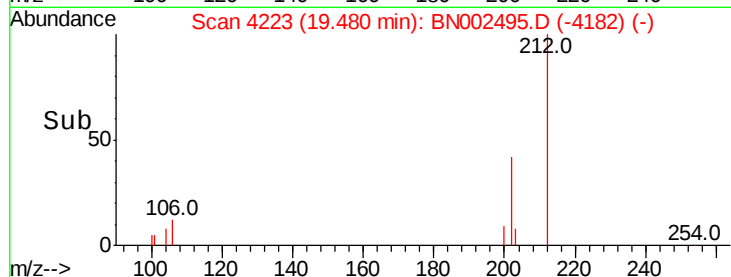
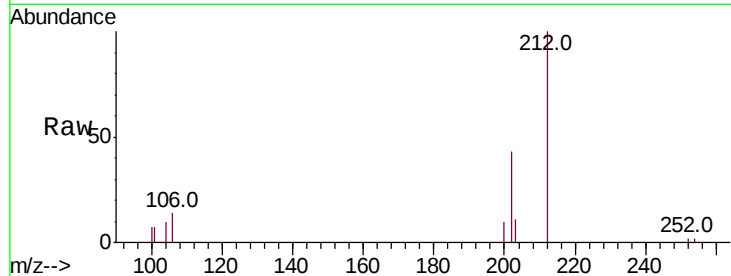
#17  
Pvrene  
Concen: 0.055 ng/ul  
RT: 19.48 min Scan# 4223  
Delta R.T. -0.01 min  
Lab File: BN002495.D  
Acq: 24 Aug 2018 08:27

Instrument :  
BNA\_N  
ClientSampled :  
A3YR7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 16.2  | 12.0  | 18.0  |
| 100     | 16.0  | 8.0   | 12.0# |

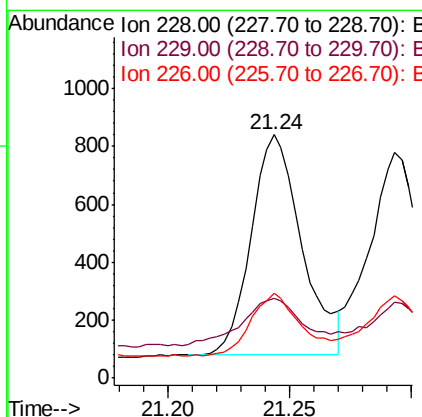
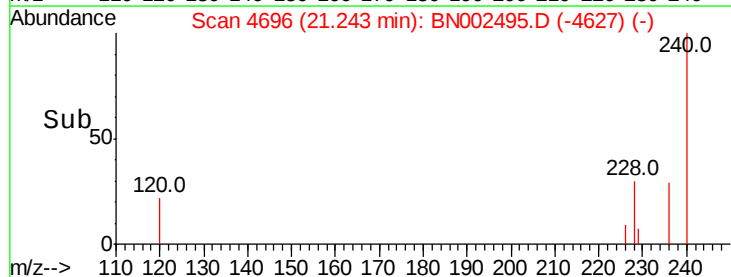
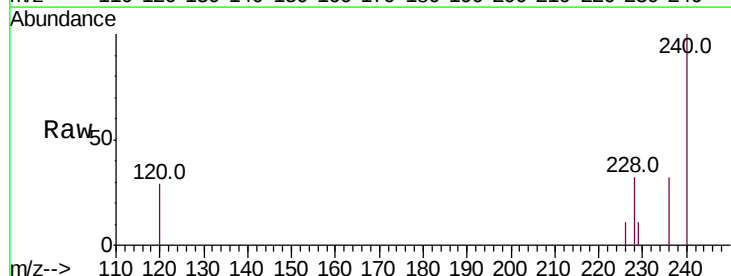
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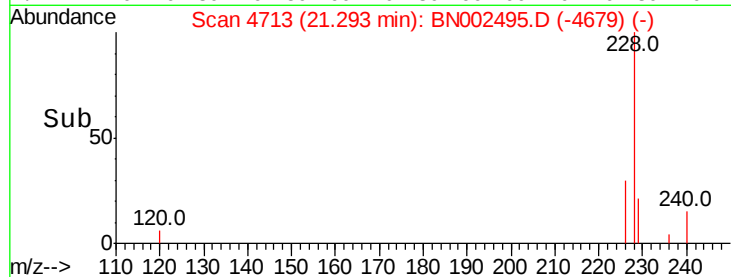
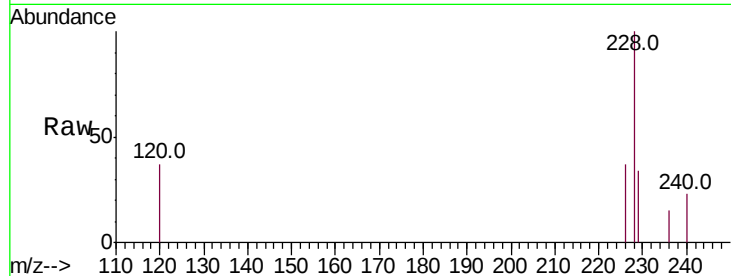
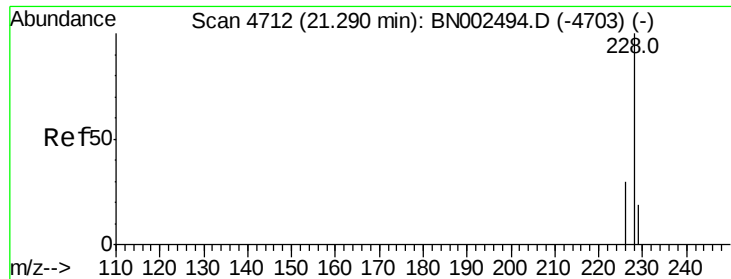
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#18  
Benzo(a)anthracene  
Concen: 0.039 ng/ul  
RT: 21.24 min Scan# 4696  
Delta R.T. 0.00 min  
Lab File: BN002495.D  
Acq: 24 Aug 2018 08:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 32.9  | 22.8  | 34.2  |
| 226     | 34.8  | 17.0  | 25.6# |





#19

Chrysene

Concen: 0.033 ng/ul

RT: 21.29 min Scan# 4713

Delta R.T. -0.00 min

Lab File: BN002495.D

Acq: 24 Aug 2018 08:27

Instrument :

BNA\_N

ClientSampleId :

A3YR7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 1047  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 36.6  | 23.4  | 35.0# |
| 229       | 33.5  | 17.7  | 26.5# |

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