

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051421\  
 Data File : BM030034.D  
 Acq On : 15 May 2021 01:18  
 Operator : CG/JU  
 Sample : M2194-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 YARG9

Manual Integrations  
 APPROVED

mohammad  
 5/16/2021 12:20:58 AM

Quant Time: May 15 02:06:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM051421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 14 17:21:45 2021  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.55  | 152  | 2088     | 0.40  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.31 | 136  | 8626     | 0.40  | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.19 | 164  | 5056     | 0.40  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.94 | 188  | 8525m    | 0.40  | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.14 | 240  | 6338     | 0.40  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.28 | 264  | 12434m   | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.05  | 96   | 15692    | 4.83  | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.94 | 152  | 4023     | 0.32  | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 18.97 | 212  | 10354    | 0.52  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 2) 1,4-Dioxane              | 3.10  | 88   | 385      | 0.126 | ng/ul# | 81       |
| 19) Fluoranthene            | 19.00 | 202  | 762      | 0.030 | ng/ul# | 69       |
| 20) Pyrene                  | 19.36 | 202  | 655      | 0.024 | ng/ul# | 1        |
| 22) Chrysene                | 21.18 | 228  | 541      | 0.022 | ng/ul# | 64       |

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

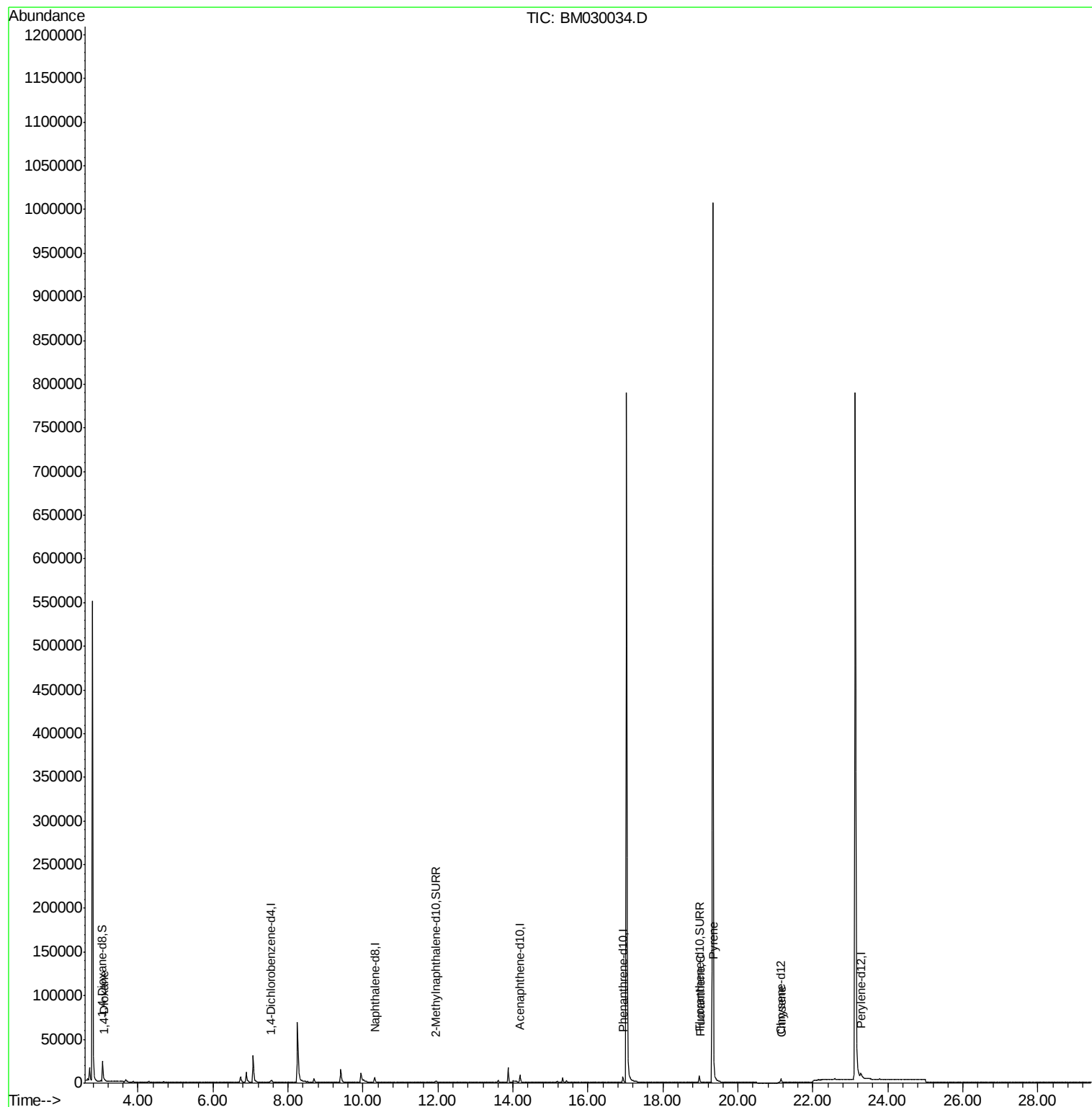
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051421\  
Data File : BM030034.D  
Acq On : 15 May 2021 01:18  
Operator : CG/JU  
Sample : M2194-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

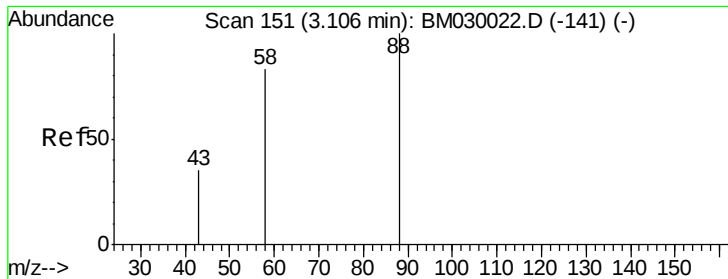
Instrument :  
BNA\_M  
ClientSampleId :  
YARG9

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Quant Time: May 15 02:06:17 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 14 17:21:45 2021  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.126 ng/ul

RT: 3.10 min Scan# 148

Delta R.T. -0.01 min

Lab File: BM030034.D

Acq: 15 May 2021 01:18

Instrument :

BNA\_M

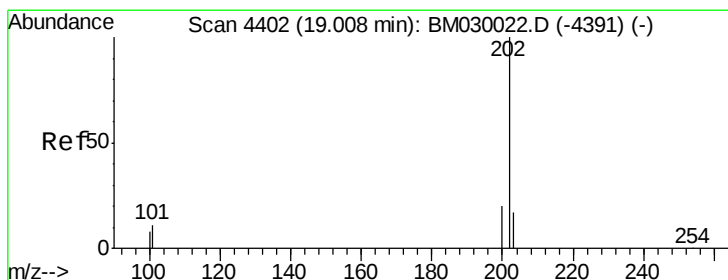
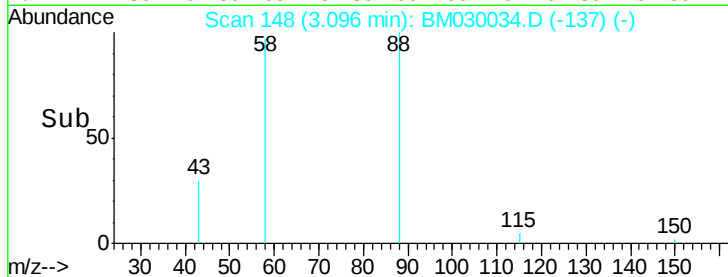
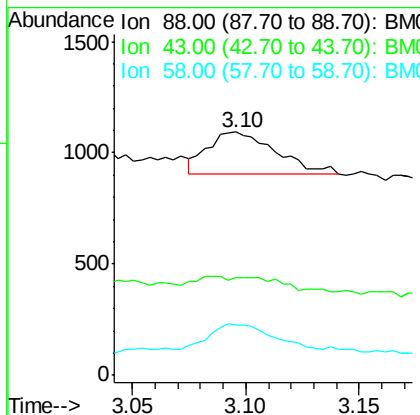
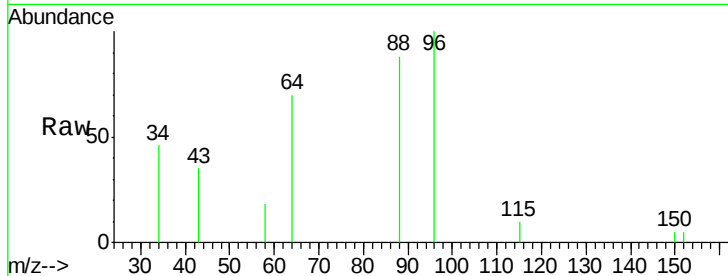
ClientSampled :

YARG9

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 385   |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 40.3  | 36.6  | 54.8  |
| 58        | 20.8  | 32.0  | 48.0# |

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#19

Fluoranthene

Concen: 0.030 ng/ul

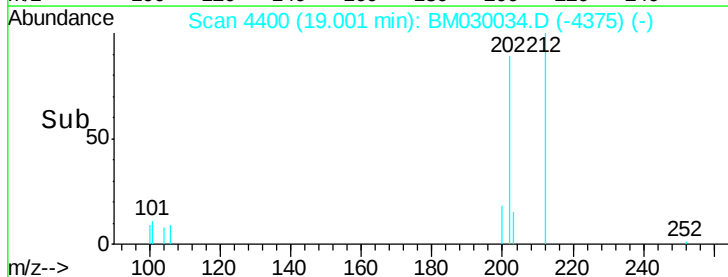
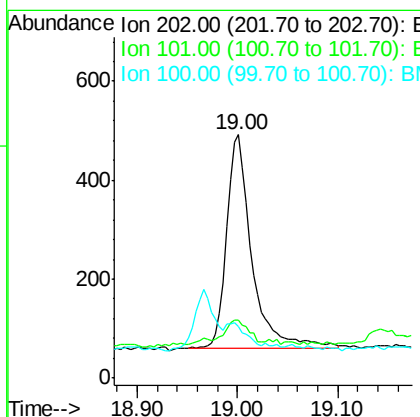
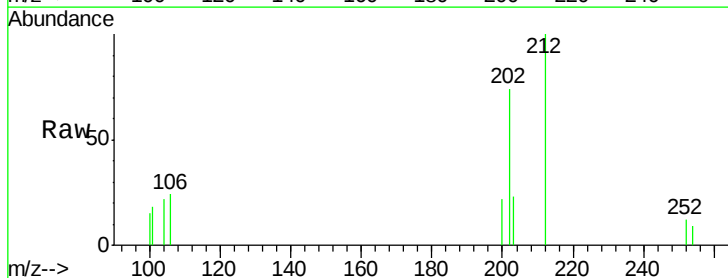
RT: 19.00 min Scan# 4400

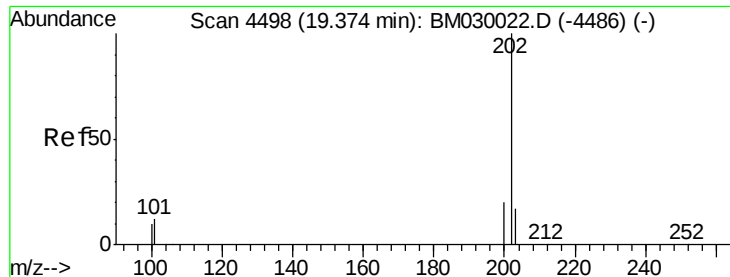
Delta R.T. -0.00 min

Lab File: BM030034.D

Acq: 15 May 2021 01:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 762   |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 23.8  | 9.5   | 14.3# |
| 100       | 20.9  | 7.4   | 11.2# |





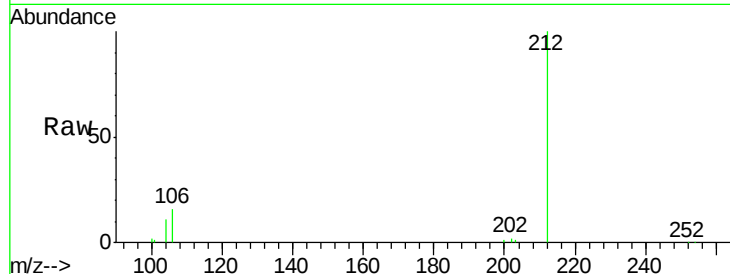
#20  
Pyrene  
Concen: 0.024 ng/ul  
RT: 19.36 min Scan# 4493  
Delta R.T. -0.02 min  
Lab File: BM030034.D  
Acq: 15 May 2021 01:18

Instrument :  
BNA\_M  
ClientSampleId :  
YARG9

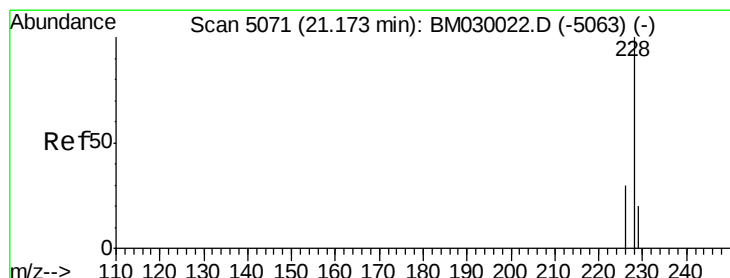
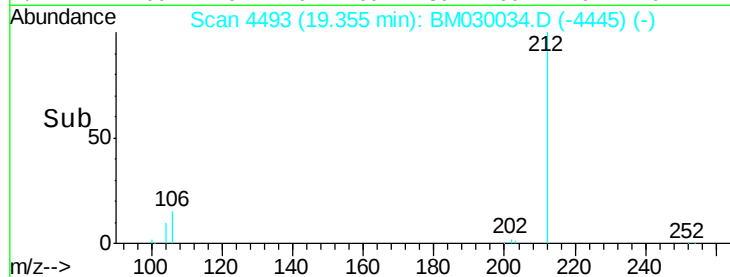
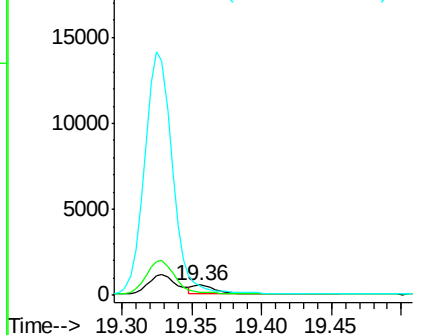
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 34.0  | 10.6  | 16.0# |
| 100     | 87.5  | 8.9   | 13.3# |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#22  
Chrysene  
Concen: 0.022 ng/ul  
RT: 21.18 min Scan# 5074  
Delta R.T. 0.01 min  
Lab File: BM030034.D  
Acq: 15 May 2021 01:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 45.7  | 23.8  | 35.6# |
| 229     | 41.3  | 16.4  | 24.6# |

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

