

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062224\  
 Data File : BN032193.D  
 Acq On : 23 Jun 2024 09:00  
 Operator : MA/JU  
 Sample : P2776-18  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4C71

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 24 02:05:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 332385   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 1239538  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.275 | 164  | 703242   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.028 | 188  | 1360262  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.269 | 240  | 1248956  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.186 | 264  | 1473579  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.164  | 96   | 31745    | 3.951  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.581  | 84   | 23105    | 1.022  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.816  | 99   | 588385   | 20.649 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 326388   | 19.583 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 536096   | 24.657 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.346  | 113  | 472410   | 20.338 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 250413   | 26.422 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.504  | 143  | 271516   | 27.734 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.040 | 165  | 445452   | 24.372 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 360812   | 13.296 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 1215837  | 24.817 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160  | 1445712  | 25.663 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 196009   | 19.982 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.275 | 176  | 1028381  | 24.808 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 80021    | 11.704 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.128 | 188  | 1480399  | 25.421 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.427 | 212  | 1475740  | 22.081 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.986 | 264  | 1146314  | 16.291 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.069 | 178  | 94062    | 1.357  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.092 | 202  | 216706   | 2.713  | ng/u1  | 100      |
| 82) Pyrene                    | 19.457 | 202  | 157294   | 1.919  | ng/u1  | 96       |
| 85) Benzo(a)anthracene        | 21.245 | 228  | 114869   | 1.374  | ng/u1  | 96       |
| 87) Chrysene                  | 21.310 | 228  | 117068m  | 1.499  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.263 | 252  | 161161   | 1.830  | ng/u1# | 94       |
| -----                         |        |      |          |        |        |          |

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

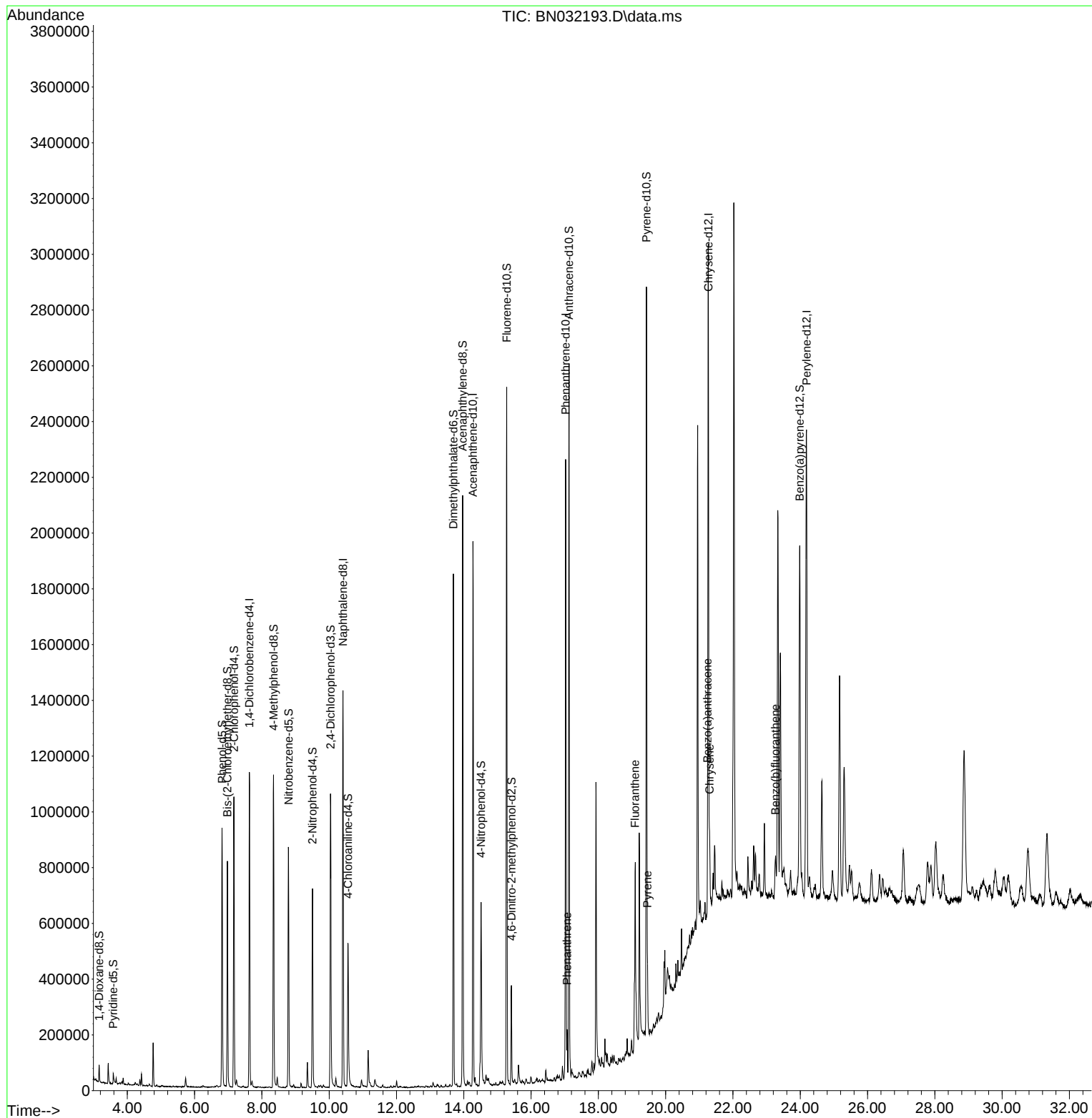
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062224\  
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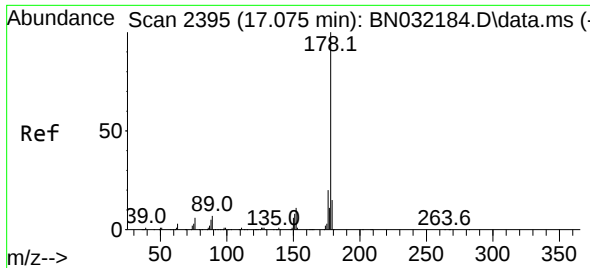
Instrument :  
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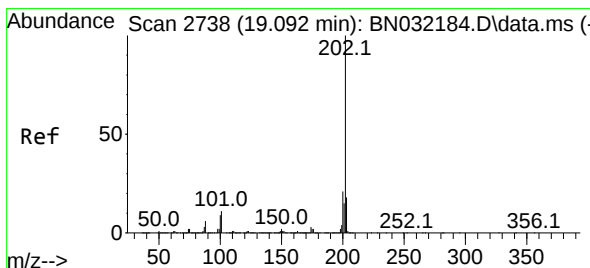
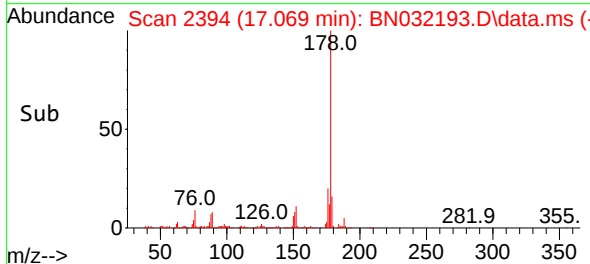
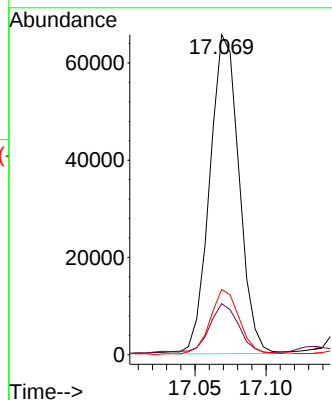
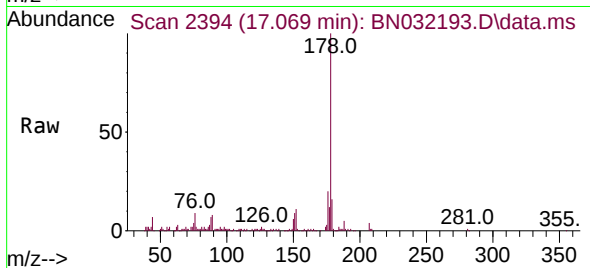
#72  
Phenanthrene  
Concen: 1.357 ng/ul  
RT: 17.069 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN032193.D  
Acq: 23 Jun 2024 09:00

Instrument :  
BNA\_N  
ClientSampleId :  
A4C71

Tgt Ion:178 Resp: 94062  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.6 19.0  
176 20.4 15.8 23.6

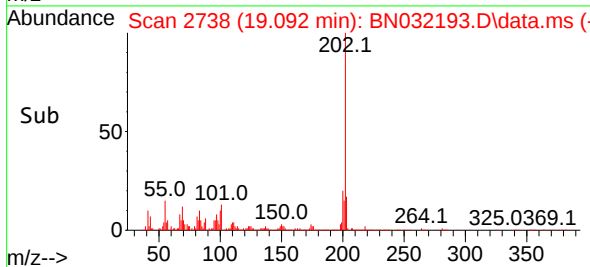
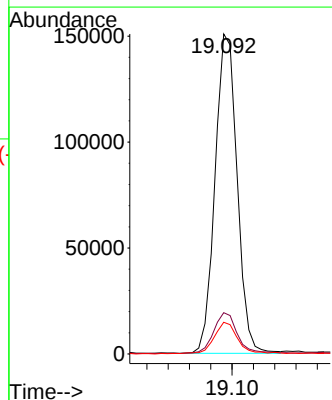
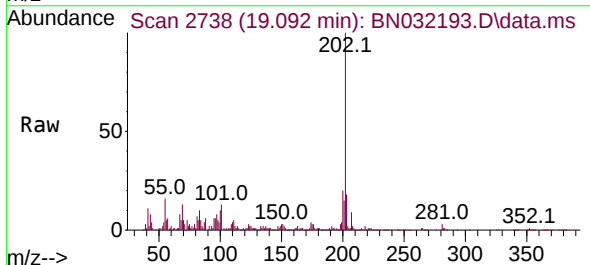
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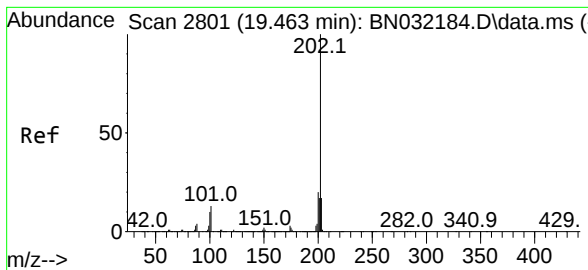
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/26/2024



#80  
Fluoranthene  
Concen: 2.713 ng/ul  
RT: 19.092 min Scan# 2738  
Delta R.T. -0.006 min  
Lab File: BN032193.D  
Acq: 23 Jun 2024 09:00

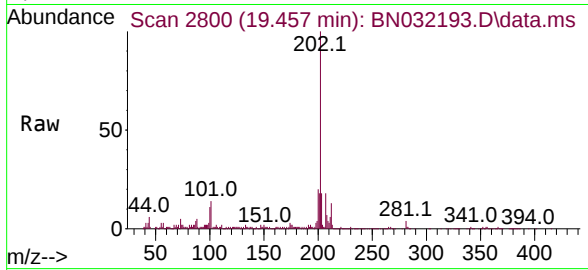
Tgt Ion:202 Resp: 216706  
Ion Ratio Lower Upper  
202 100  
101 12.9 10.3 15.5  
100 9.9 8.0 12.0





#82  
 Pyrene  
 Concen: 1.919 ng/ul  
 RT: 19.457 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BN032193.D  
 Acq: 23 Jun 2024 09:00

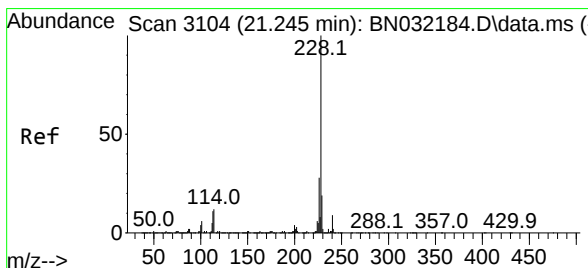
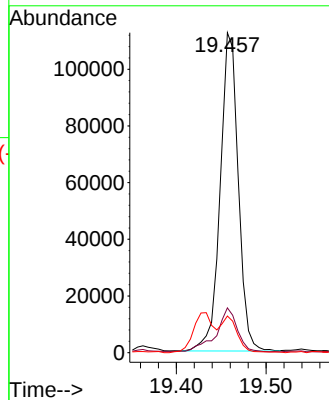
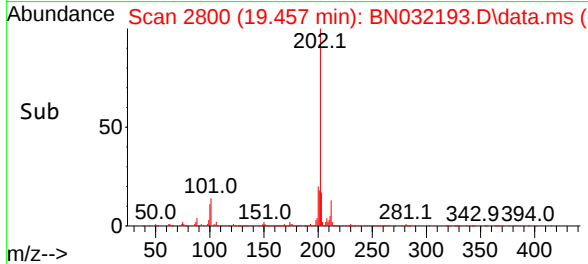
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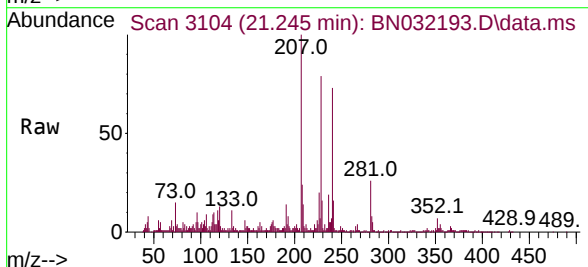
Tgt Ion:202 Resp: 157294  
 Ion Ratio Lower Upper  
 202 100  
 101 14.0 12.6 18.8  
 100 11.5 10.2 15.2

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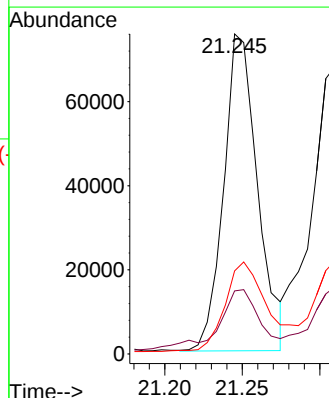
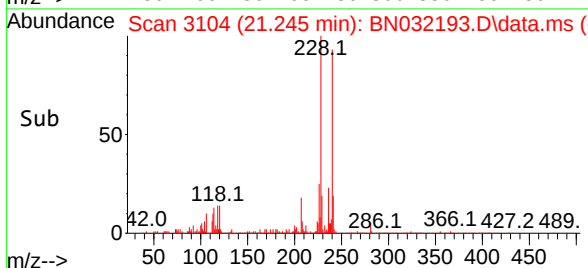
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/26/2024

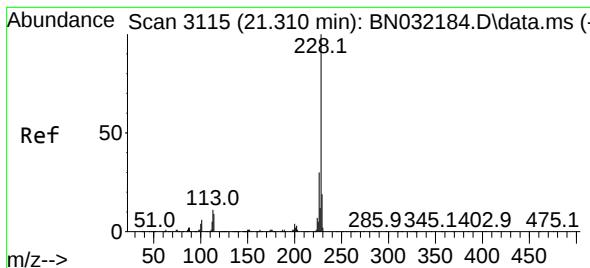


#85  
 Benzo(a)anthracene  
 Concen: 1.374 ng/ul  
 RT: 21.245 min Scan# 3104  
 Delta R.T. -0.006 min  
 Lab File: BN032193.D  
 Acq: 23 Jun 2024 09:00



Tgt Ion:228 Resp: 114869  
 Ion Ratio Lower Upper  
 228 100  
 229 19.7 16.7 25.1  
 226 26.0 22.8 34.2





#87

Chrysene

Concen: 1.499 ng/ul m

RT: 21.310 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BN032193.D

Acq: 23 Jun 2024 09:00

Instrument :

BNA\_N

ClientSampleId :

A4C71

Tgt Ion:228 Resp: 117068

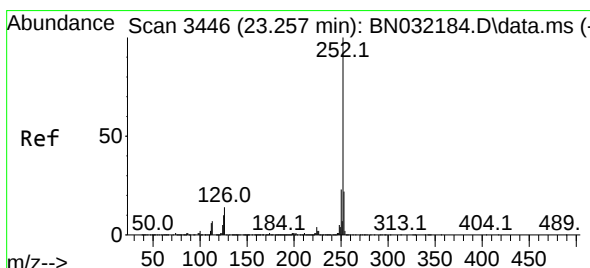
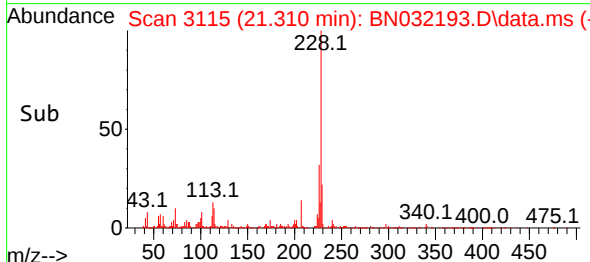
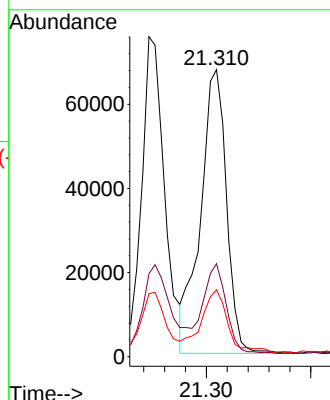
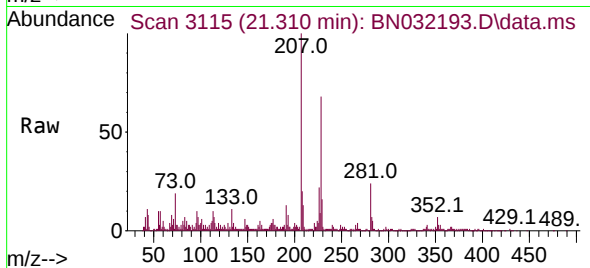
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.4  | 23.7  | 35.5  |
| 229 | 23.3  | 15.1  | 22.7  |

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#90

Benzo(b)fluoranthene

Concen: 1.830 ng/ul

RT: 23.263 min Scan# 3447

Delta R.T. 0.000 min

Lab File: BN032193.D

Acq: 23 Jun 2024 09:00

Tgt Ion:252 Resp: 161161

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 17.0  | 25.6  |
| 125 | 14.5  | 9.2   | 13.8  |

