

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062224\  
 Data File : BN032192.D  
 Acq On : 23 Jun 2024 08:21  
 Operator : MA/JU  
 Sample : P2776-08  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CA0

Manual Integrations  
 APPROVED

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

Quant Time: Jun 24 01:51:32 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  | 323254   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.410 | 136  | 1205809  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.275 | 164  | 699849   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.027 | 188  | 1343788  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.268 | 240  | 1239582  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.186 | 264  | 1491449  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.163  | 96   | 33179    | 4.246  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 25282    | 1.149  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.816  | 99   | 629617   | 22.720 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 335171   | 20.678 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 554529   | 26.225 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.345  | 113  | 499977   | 22.133 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.792  | 128  | 262758   | 28.500 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.504  | 143  | 288030   | 30.243 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.039 | 165  | 484723   | 27.263 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 483265   | 18.307 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 1370833  | 28.116 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160  | 1586881  | 28.306 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 232268   | 23.793 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.274 | 176  | 1155940  | 28.021 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 83838    | 12.412 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.127 | 188  | 1724806  | 29.981 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 1727128  | 26.037 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 1366512  | 19.188 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.069 | 178  | 304054   | 4.442  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.092 | 202  | 633990   | 7.997  | ng/u1  | 98       |
| 82) Pyrene                    | 19.462 | 202  | 447111   | 5.497  | ng/u1  | 94       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 298372   | 3.596  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.168 | 149  | 178519   | 3.188  | ng/u1  | 99       |
| 87) Chrysene                  | 21.309 | 228  | 314609   | 4.059  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.262 | 252  | 406706   | 4.562  | ng/u1  | 96       |
| 91) Benzo(k)fluoranthene      | 23.315 | 252  | 164758m  | 1.883  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.045 | 252  | 153981   | 1.844  | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.456 | 276  | 141329   | 1.469  | ng/u1  | 98       |
| -----                         |        |      |          |        |        |          |

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

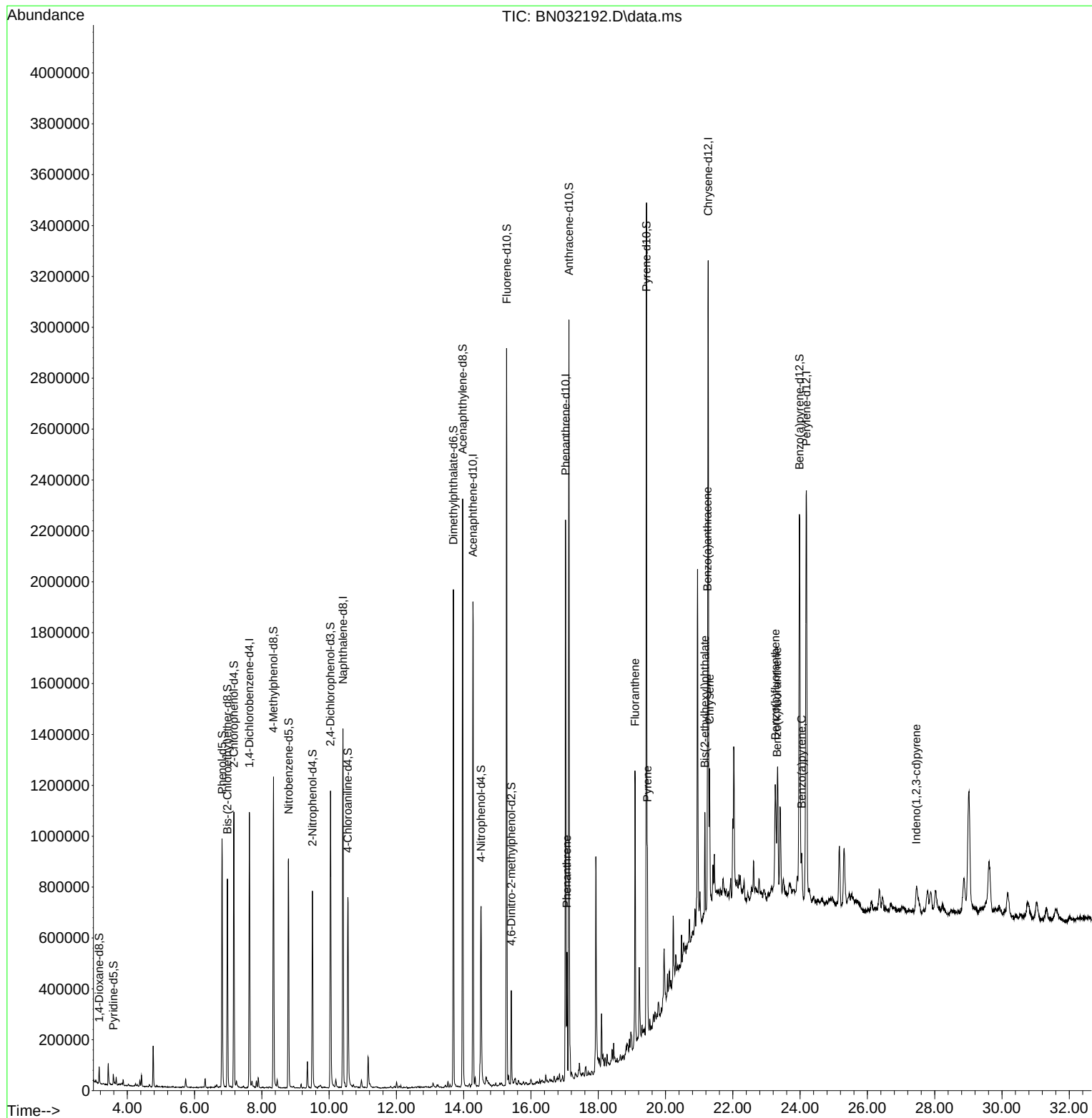
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062224\  
Data File : BN032192.D  
Acq On : 23 Jun 2024 08:21  
Operator : MA/JU  
Sample : P2776-08  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

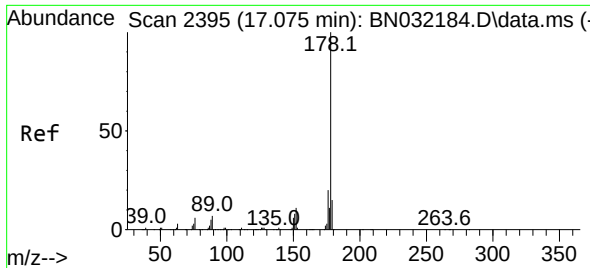
Instrument :  
BNA\_N  
ClientSampleId :  
A4CA0

Manual Integrations  
APPROVED

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

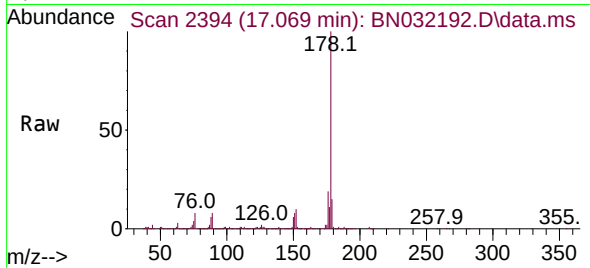
Quant Time: Jun 24 01:51:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 4.442 ng/ul  
RT: 17.069 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

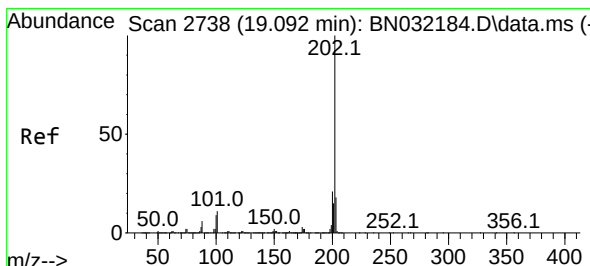
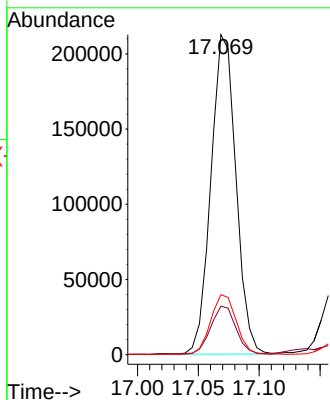
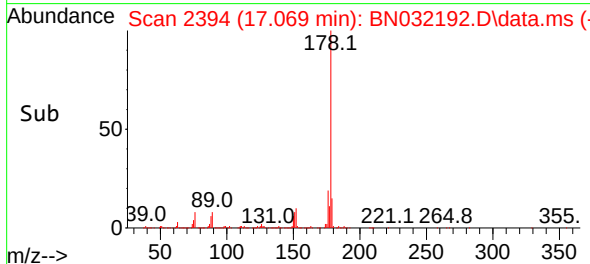
Instrument :  
BNA\_N  
ClientSampleId :  
A4CA0



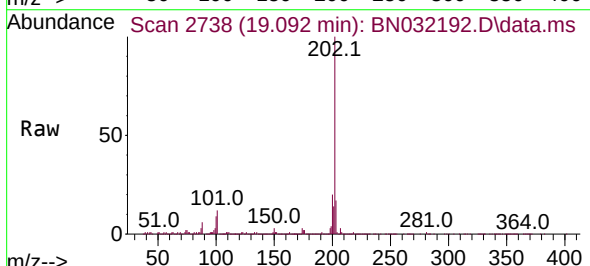
Tgt Ion:178 Resp: 304054  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.6 19.0  
176 18.8 15.8 23.6

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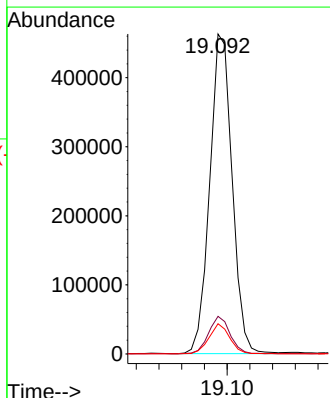
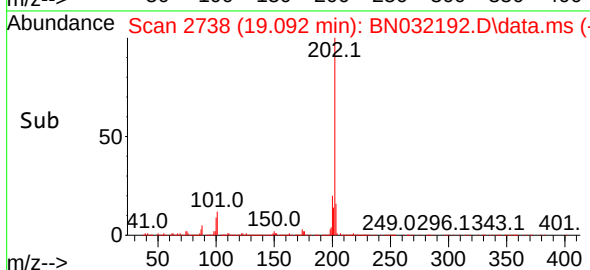
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/26/2024

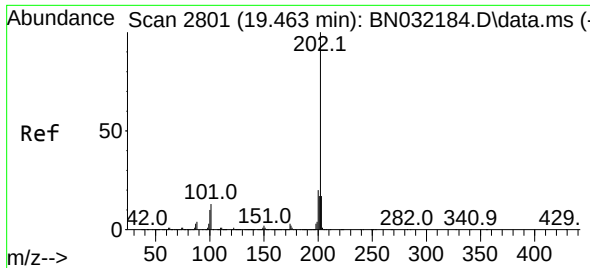


#80  
Fluoranthene  
Concen: 7.997 ng/ul  
RT: 19.092 min Scan# 2738  
Delta R.T. -0.006 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21



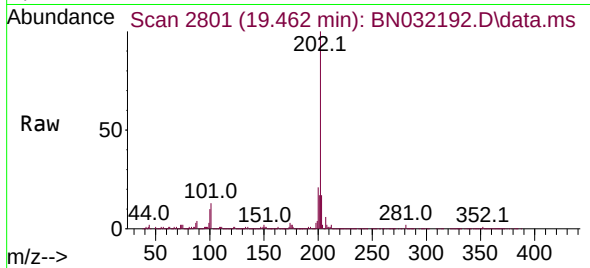
Tgt Ion:202 Resp: 633990  
Ion Ratio Lower Upper  
202 100  
101 11.7 10.3 15.5  
100 9.5 8.0 12.0





#82  
Pyrene  
Concen: 5.497 ng/ul  
RT: 19.462 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

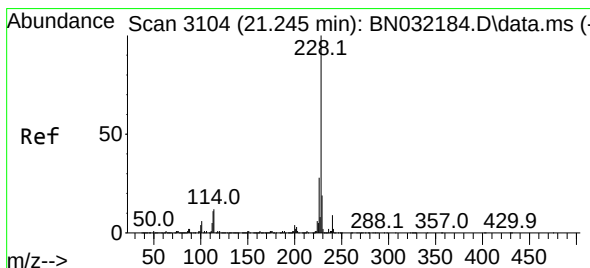
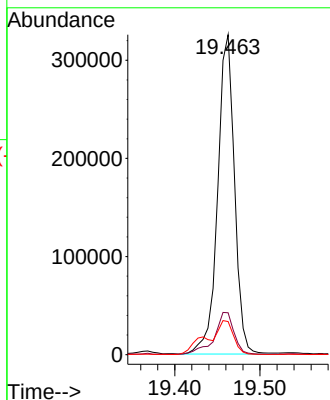
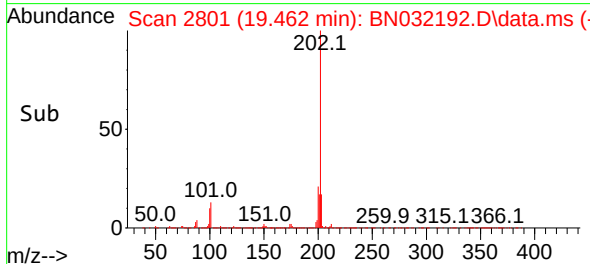
Instrument :  
BNA\_N  
ClientSampleId :  
A4CA0



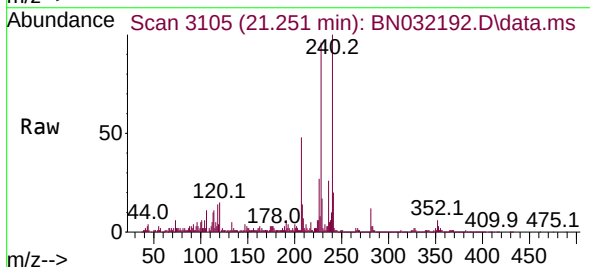
Tgt Ion:202 Resp: 447111  
Ion Ratio Lower Upper  
202 100  
101 13.1 12.6 18.8  
100 10.3 10.2 15.2

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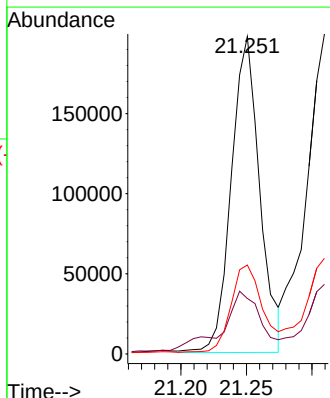
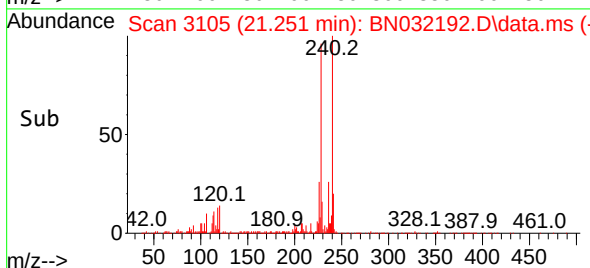
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/26/2024

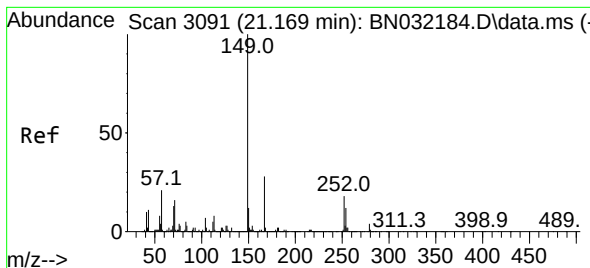


#85  
Benzo(a)anthracene  
Concen: 3.596 ng/ul  
RT: 21.251 min Scan# 3105  
Delta R.T. -0.000 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21



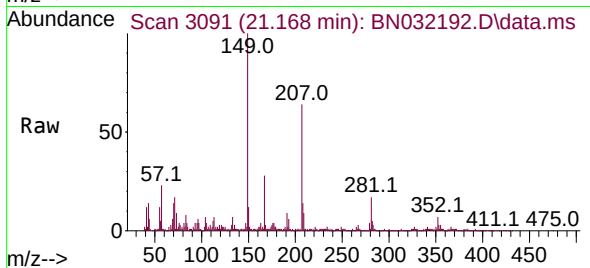
Tgt Ion:228 Resp: 298372  
Ion Ratio Lower Upper  
228 100  
229 17.5 16.7 25.1  
226 28.0 22.8 34.2





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.188 ng/ul  
RT: 21.168 min Scan# 3091  
Delta R.T. -0.006 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

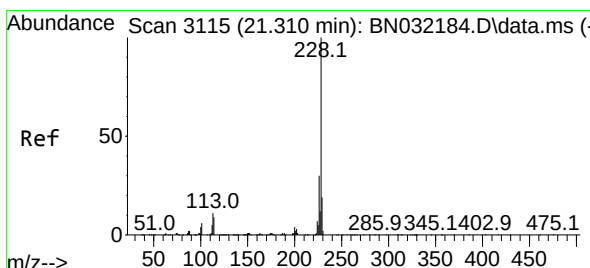
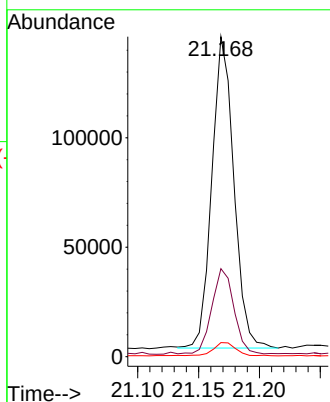
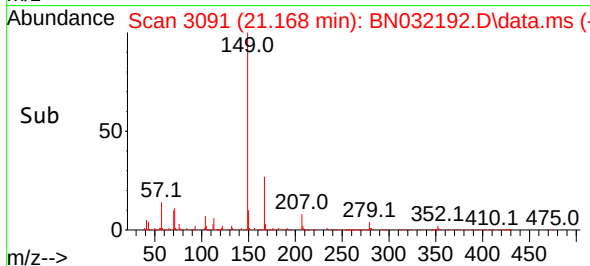
Instrument :  
BNA\_N  
ClientSampleId :  
A4CA0



Tgt Ion:149 Resp: 178519  
Ion Ratio Lower Upper  
149 100  
167 27.5 21.4 32.0  
279 4.4 3.3 4.9

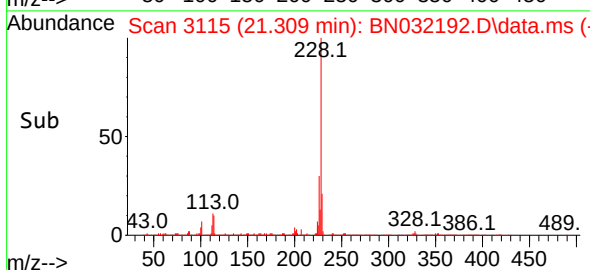
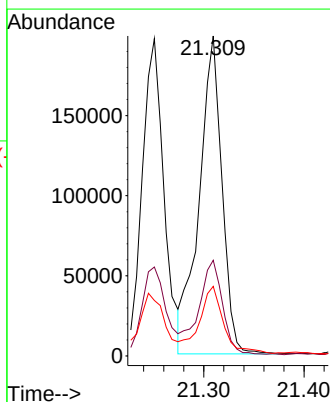
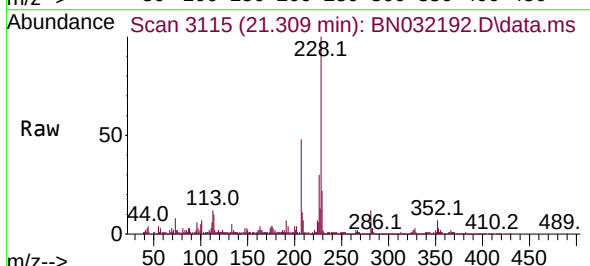
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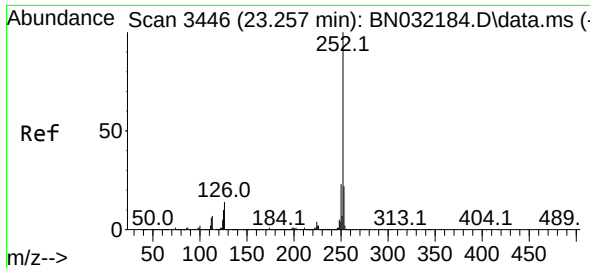
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/26/2024



#87  
Chrysene  
Concen: 4.059 ng/ul  
RT: 21.309 min Scan# 3115  
Delta R.T. -0.000 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

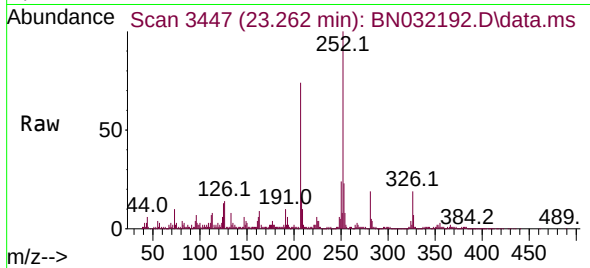
Tgt Ion:228 Resp: 314609  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.7 35.5  
229 21.7 15.1 22.7





#90  
Benzo(b)fluoranthene  
Concen: 4.562 ng/ul  
RT: 23.262 min Scan# 3446  
Delta R.T. -0.000 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

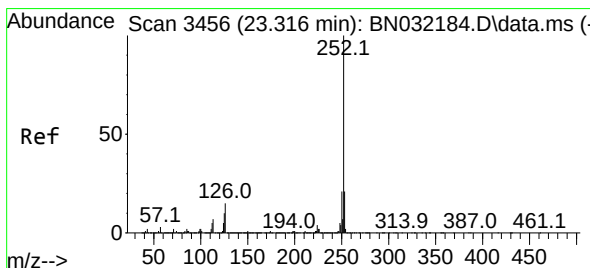
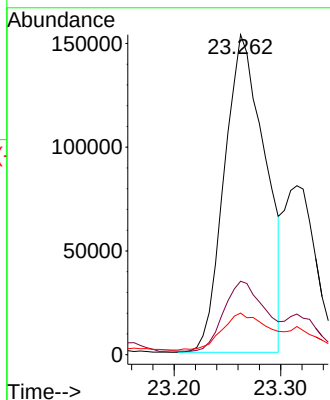
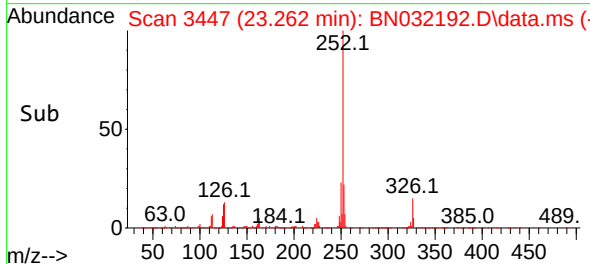
Instrument :  
BNA\_N  
ClientSampleId :  
A4CA0



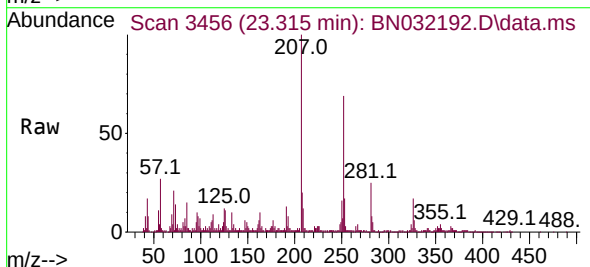
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Ion Ratio Lower Upper  
252 100  
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125 13.0 9.2 13.8

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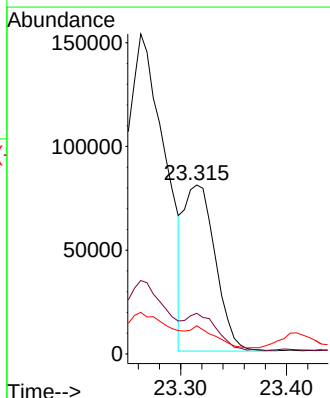
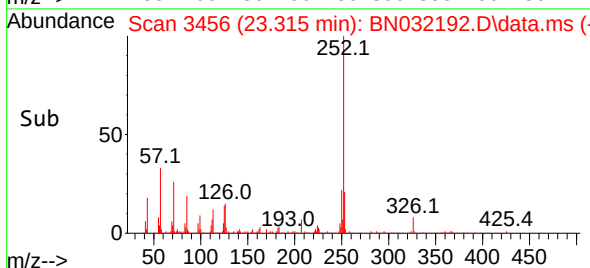
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/26/2024

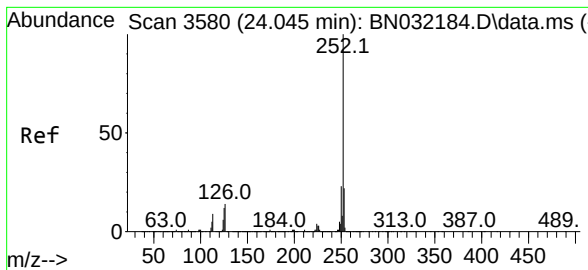


#91  
Benzo(k)fluoranthene  
Concen: 1.883 ng/ul m  
RT: 23.315 min Scan# 3456  
Delta R.T. -0.006 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21



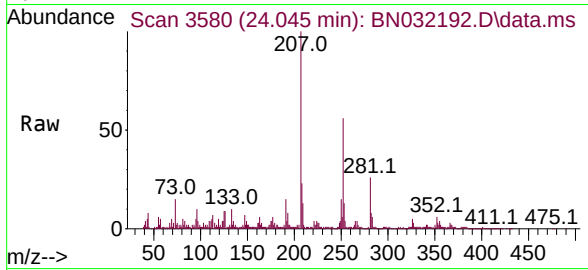
Tgt Ion:252 Resp: 164758  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.6 26.4  
125 16.6 9.4 14.2#





#93  
Benzo(a)pyrene  
Concen: 1.844 ng/ul  
RT: 24.045 min Scan# 3580  
Delta R.T. 0.006 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21

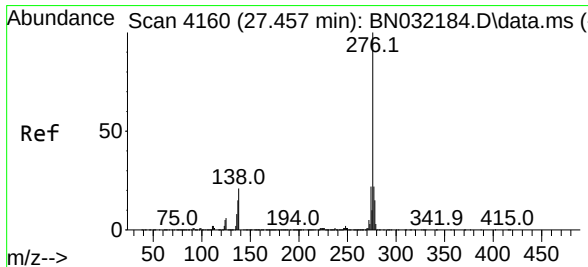
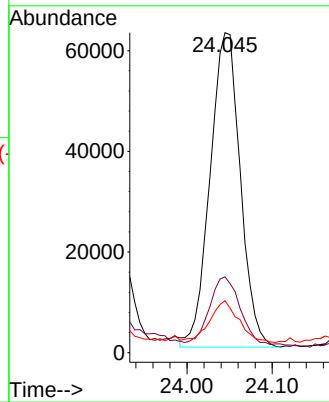
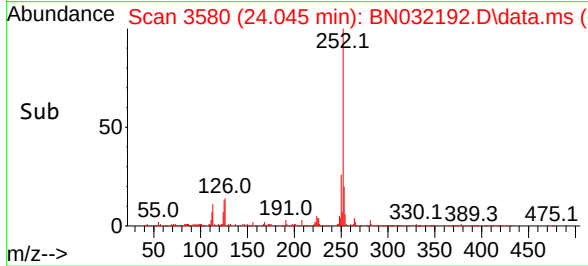
Instrument :  
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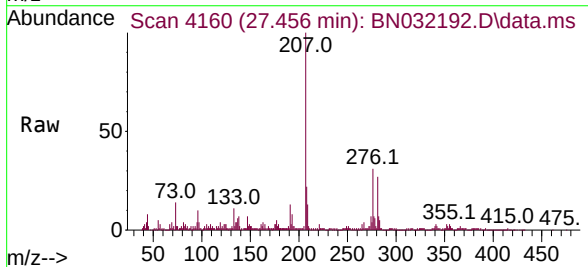
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Ion Ratio Lower Upper  
252 100  
253 23.7 16.6 24.8  
125 16.3 9.8 14.8

Manual Integrations  
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Supervised By :mohammad ahmed 06/26/2024



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.469 ng/ul  
RT: 27.456 min Scan# 4160  
Delta R.T. 0.012 min  
Lab File: BN032192.D  
Acq: 23 Jun 2024 08:21



Tgt Ion:276 Resp: 141329  
Ion Ratio Lower Upper  
276 100  
138 23.7 18.1 27.1  
277 23.9 18.2 27.2

