

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
 Data File : BN031696.D  
 Acq On : 29 May 2024 18:40  
 Operator : MA/JU  
 Sample : P2569-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH647

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 29 23:25:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 15:13:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|--------|----------|
| -----                         |        |      |           |         |        |          |
| Internal Standards            |        |      |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 406228    | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 1874655   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 1247650   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 2631339   | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 2265734   | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 2411115   | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 29371     | 2.991   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 109701    | 3.969   | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 540264    | 15.514  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 343533    | 16.865  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 443380    | 16.686  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.381  | 113  | 355296    | 12.516  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 226014    | 15.768  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 203850    | 13.768  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 420274    | 15.204  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.605 | 131  | 354173    | 8.630   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 1494476   | 17.194  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 1714245   | 17.152  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 98719     | 5.672   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 1355936   | 18.437  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200  | 109574m   | 8.285   | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 2093051   | 18.579  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 2695799   | 22.234  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 2331422   | 20.250  | ng/u1  | 0.00     |
| Target Compounds              |        |      |           |         |        |          |
|                               |        |      |           |         | Qvalue |          |
| 72) Phenanthrene              | 17.110 | 178  | 620375    | 4.628   | ng/u1  | 98       |
| 80) Fluoranthene              | 19.133 | 202  | 2036060   | 14.052  | ng/u1  | 98       |
| 82) Pyrene                    | 19.498 | 202  | 1939191   | 13.044  | ng/u1  | 96       |
| 83) Butylbenzylphthalate      | 20.404 | 149  | 177798    | 2.532   | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 1115391   | 7.355   | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 25130165m | 245.517 | ng/u1  |          |
| 87) Chrysene                  | 21.345 | 228  | 1124403   | 7.938   | ng/u1  | 95       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 1499674   | 10.406  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.369 | 252  | 572257m   | 4.047   | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 983050    | 7.283   | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 595424    | 3.828   | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.568 | 278  | 152933    | 1.204   | ng/u1  | 93       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 549604    | 4.445   | ng/u1  | 98       |
| -----                         |        |      |           |         |        |          |

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

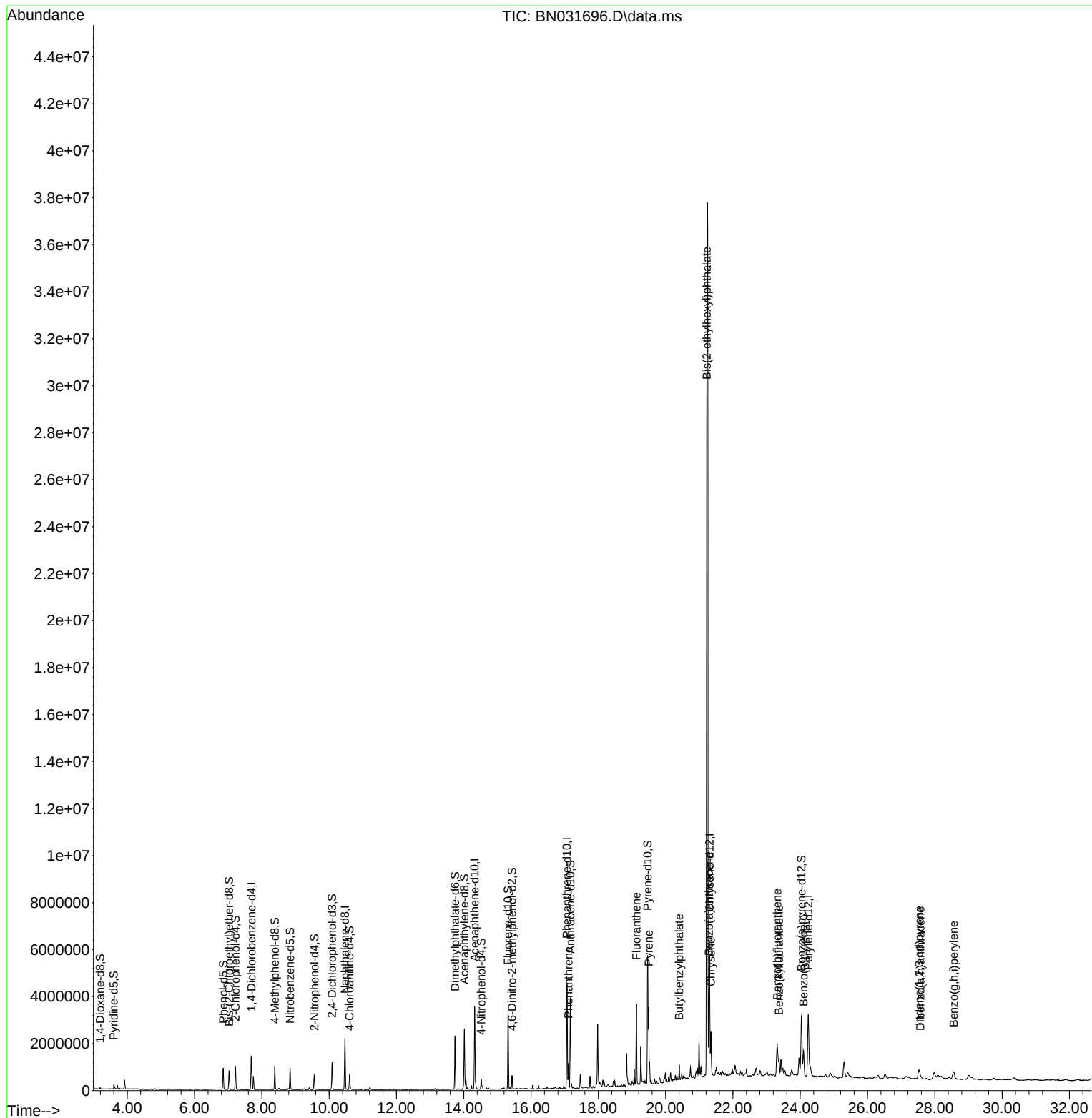
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031696.D  
Acq On : 29 May 2024 18:40  
Operator : MA/JU  
Sample : P2569-07  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

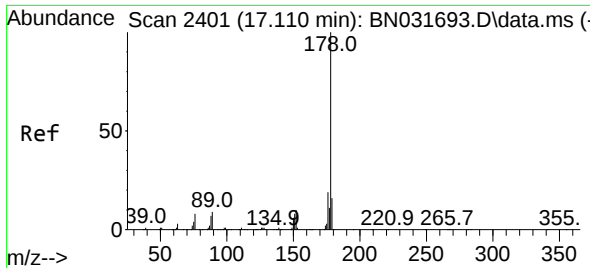
Instrument :  
BNA\_N  
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Quant Time: May 29 23:25:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration

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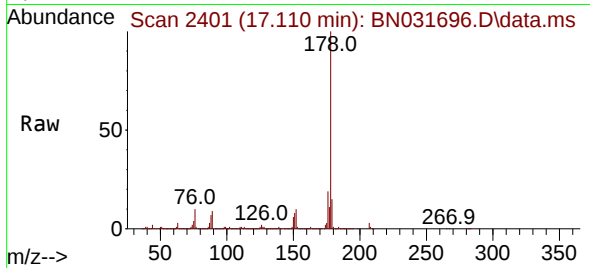
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024





#72  
Phenanthrene  
Concen: 4.628 ng/ul  
RT: 17.110 min Scan# 2401  
Delta R.T. -0.006 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40

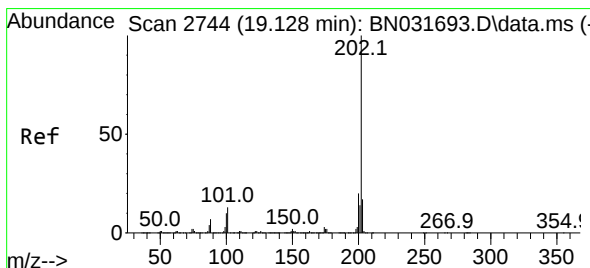
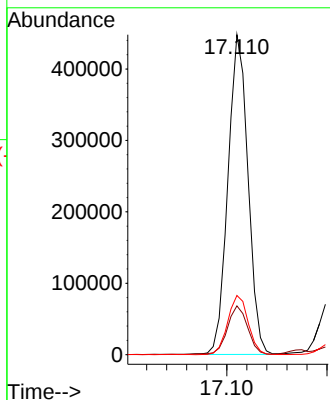
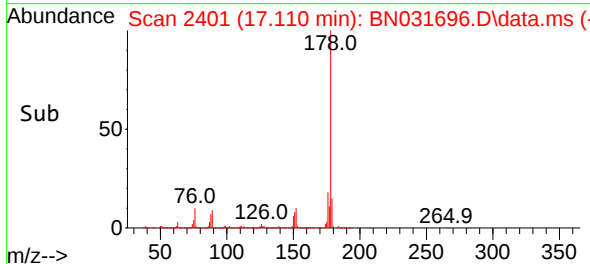
Instrument : BNA\_N  
ClientSampleId : BH647



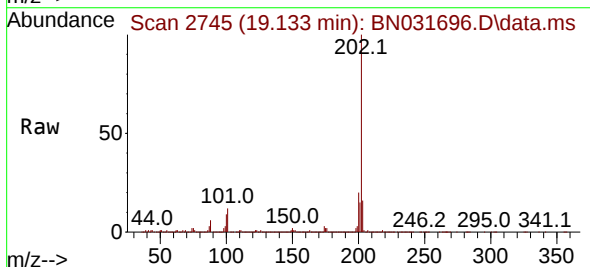
Tgt Ion:178 Resp: 620375  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 19.0  
176 18.5 15.8 23.6

Manual Integrations  
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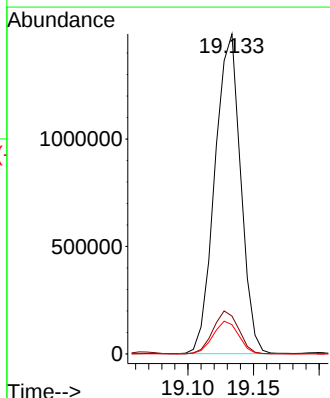
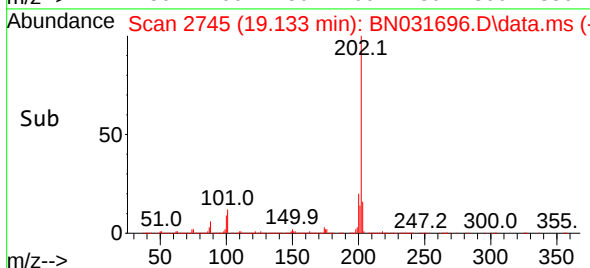
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024

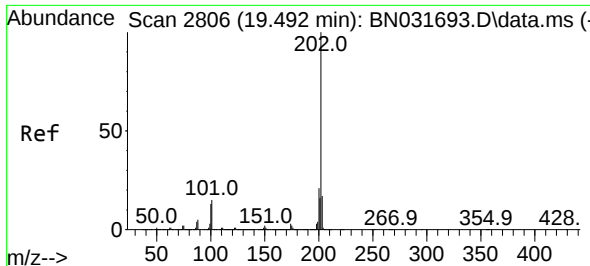


#80  
Fluoranthene  
Concen: 14.052 ng/ul  
RT: 19.133 min Scan# 2745  
Delta R.T. -0.000 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40



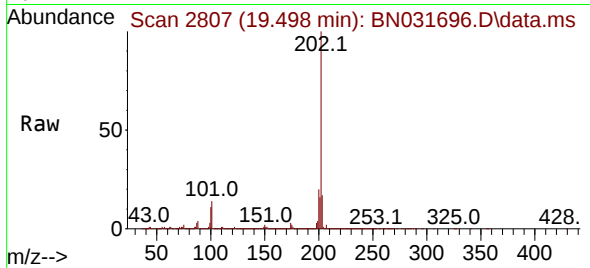
Tgt Ion:202 Resp: 2036060  
Ion Ratio Lower Upper  
202 100  
101 11.9 10.3 15.5  
100 9.2 8.0 12.0





#82  
 Pyrene  
 Concen: 13.044 ng/ul  
 RT: 19.498 min Scan# 2807  
 Delta R.T. 0.006 min  
 Lab File: BN031696.D  
 Acq: 29 May 2024 18:40

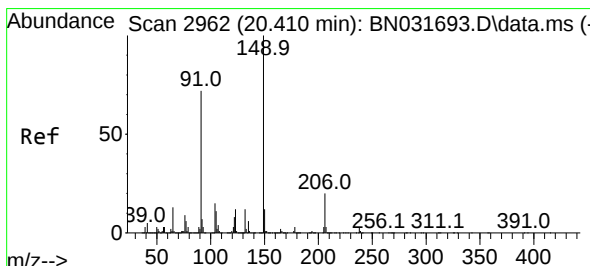
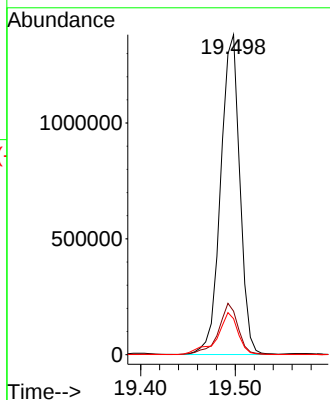
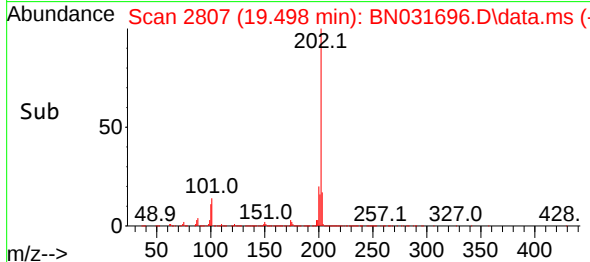
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH647



Tgt Ion:202 Resp: 193919  
 Ion Ratio Lower Upper  
 202 100  
 101 13.6 12.6 18.8  
 100 11.2 10.2 15.2

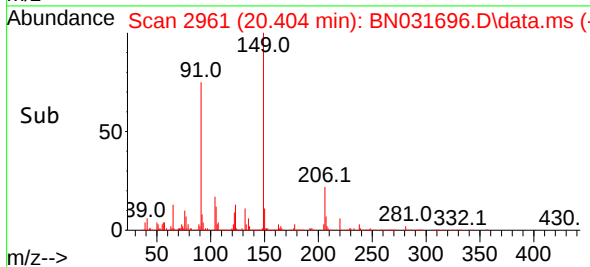
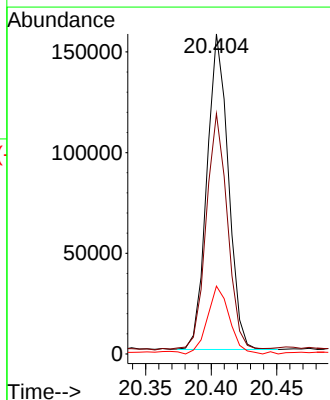
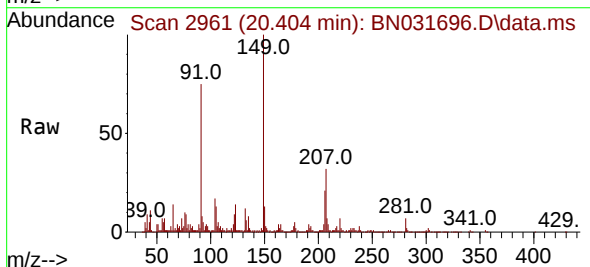
Manual Integrations  
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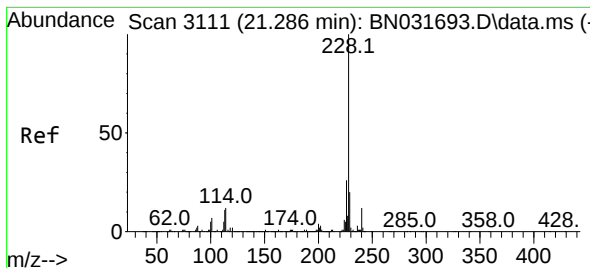
Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024



#83  
 Butylbenzylphthalate  
 Concen: 2.532 ng/ul  
 RT: 20.404 min Scan# 2961  
 Delta R.T. -0.000 min  
 Lab File: BN031696.D  
 Acq: 29 May 2024 18:40

Tgt Ion:149 Resp: 177798  
 Ion Ratio Lower Upper  
 149 100  
 91 75.1 61.0 91.4  
 206 21.2 16.5 24.7





#85

Benzo(a)anthracene

Concen: 7.355 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031696.D

Acq: 29 May 2024 18:40

Instrument :

BNA\_N

ClientSampleId :

BH647

Tgt Ion:228 Resp: 111539

Ion Ratio Lower Upper

228 100

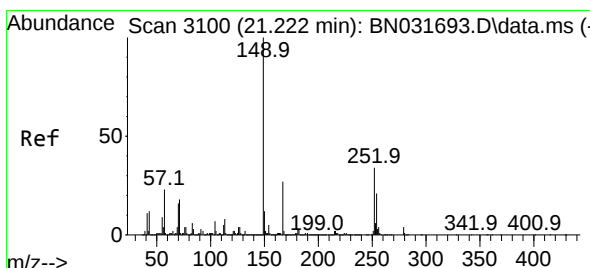
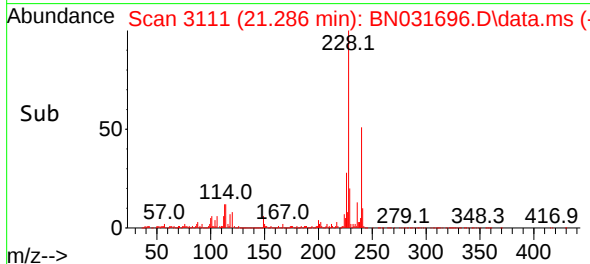
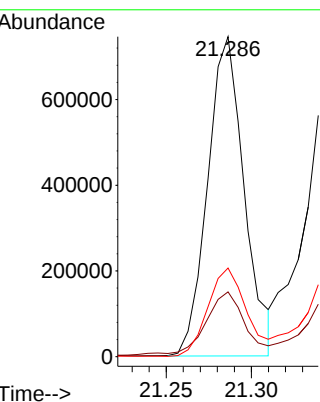
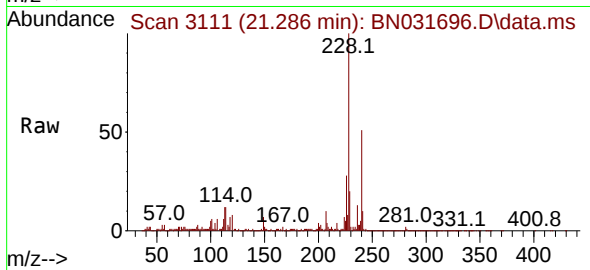
229 20.2 16.7 25.1

226 27.7 22.8 34.2

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Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 245.517 ng/ul m

RT: 21.222 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BN031696.D

Acq: 29 May 2024 18:40

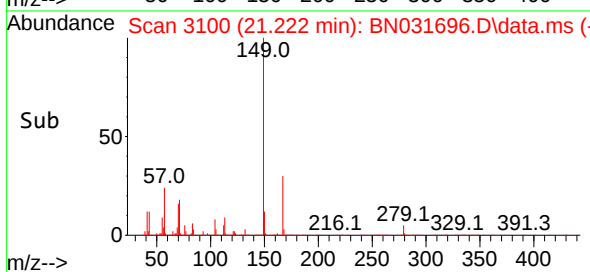
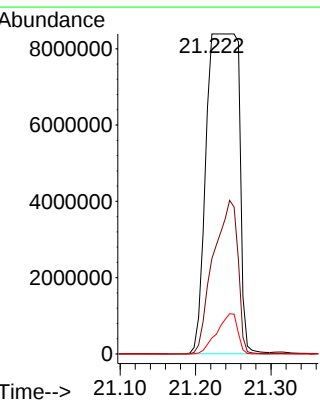
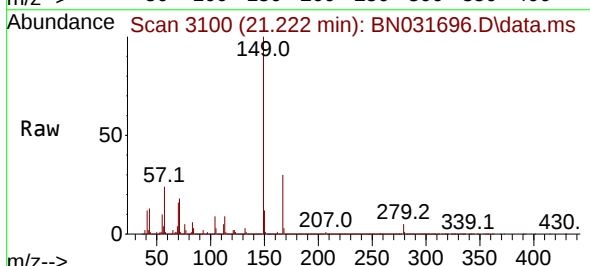
Tgt Ion:149 Resp:25130165

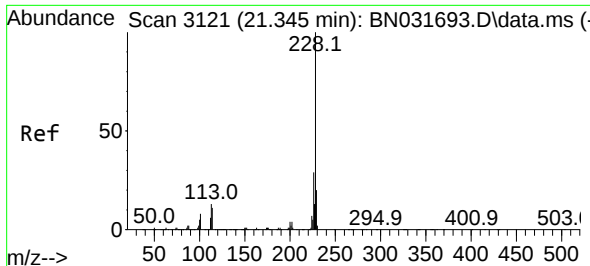
Ion Ratio Lower Upper

149 100

167 29.8 21.4 32.0

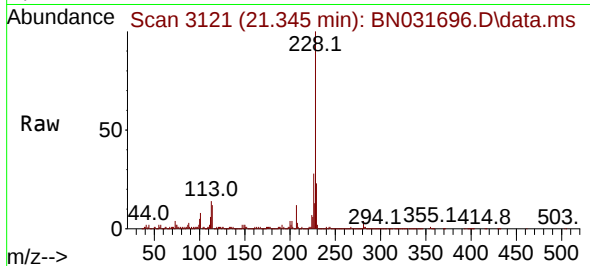
279 5.0 3.3 4.9#





#87  
Chrysene  
Concen: 7.938 ng/ul  
RT: 21.345 min Scan# 3121  
Delta R.T. -0.006 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40

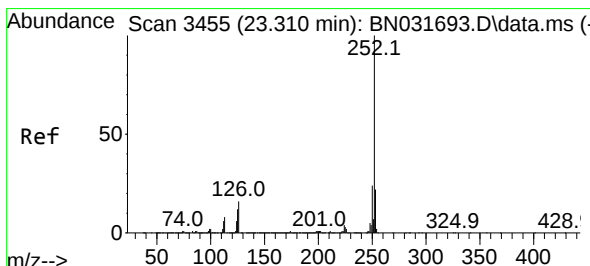
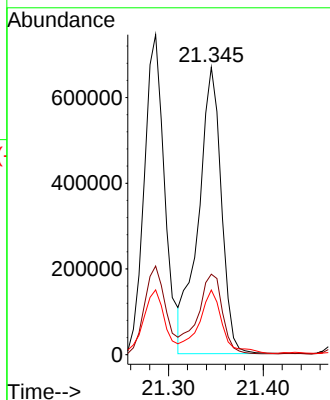
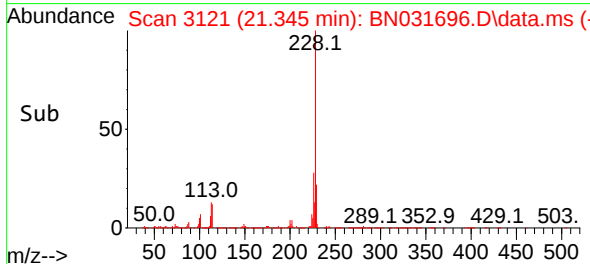
Instrument :  
BNA\_N  
ClientSampleId :  
BH647



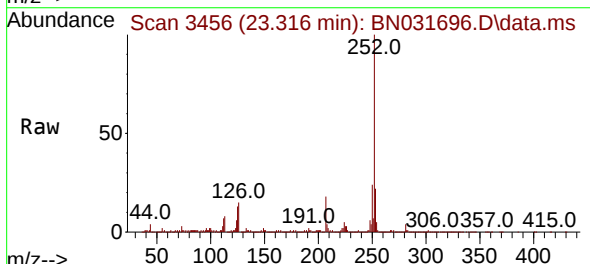
Tgt Ion:228 Resp: 112440  
Ion Ratio Lower Upper  
228 100  
226 28.0 23.7 35.5  
229 22.5 15.1 22.7

Manual Integrations  
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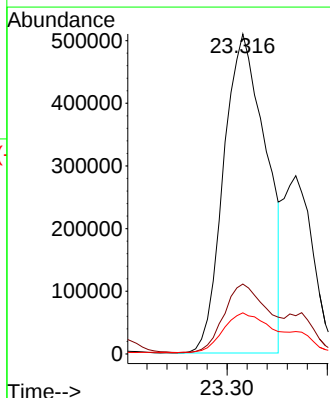
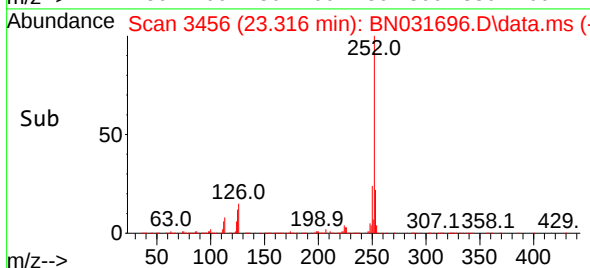
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024

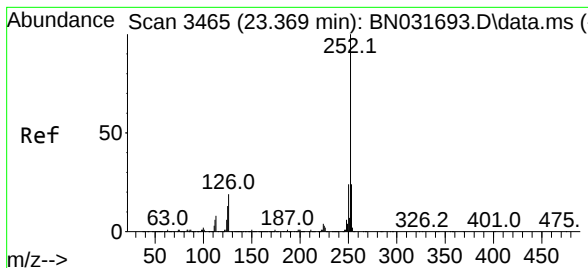


#90  
Benzo(b)fluoranthene  
Concen: 10.406 ng/ul  
RT: 23.316 min Scan# 3456  
Delta R.T. 0.006 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40



Tgt Ion:252 Resp: 1499674  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.6  
125 12.9 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 4.047 ng/ul m

RT: 23.369 min Scan# 3465

Delta R.T. -0.006 min

Lab File: BN031696.D

Acq: 29 May 2024 18:40

Instrument :

BNA\_N

ClientSampleId :

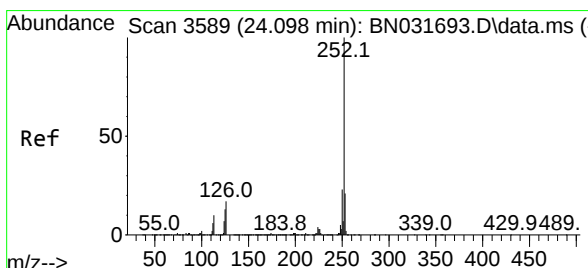
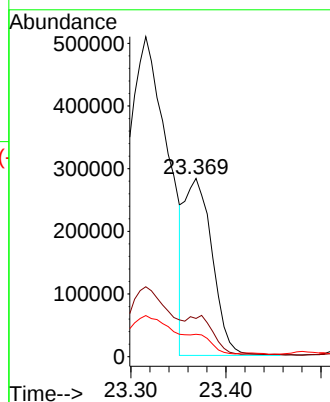
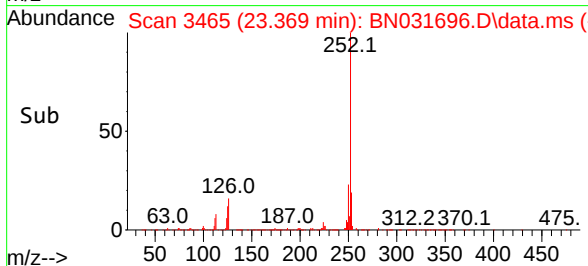
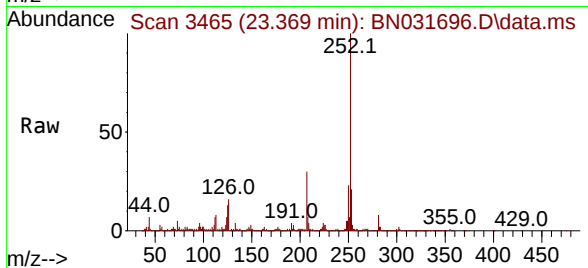
BH647

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 57225 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.5  | 17.6  | 26.4  |
| 125       | 12.6  | 9.4   | 14.2  |

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 7.283 ng/ul

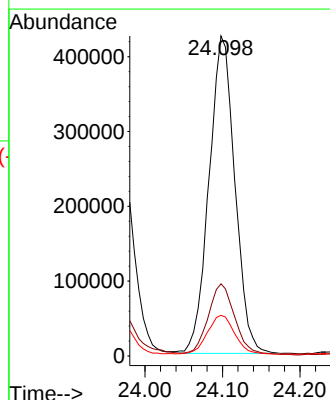
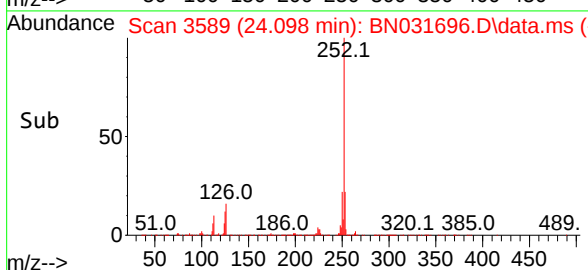
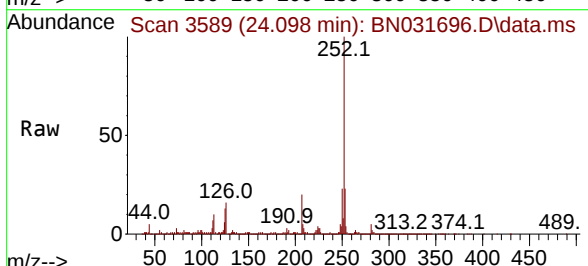
RT: 24.098 min Scan# 3589

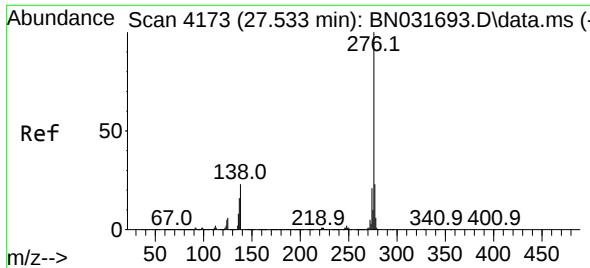
Delta R.T. -0.006 min

Lab File: BN031696.D

Acq: 29 May 2024 18:40

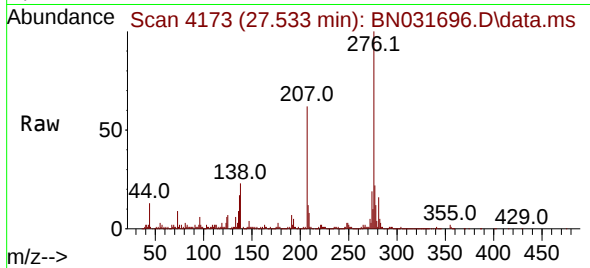
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 983050 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.5  | 16.6  | 24.8   |
| 125       | 12.7  | 9.8   | 14.8   |





#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.828 ng/ul  
RT: 27.533 min Scan# 4173  
Delta R.T. 0.000 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40

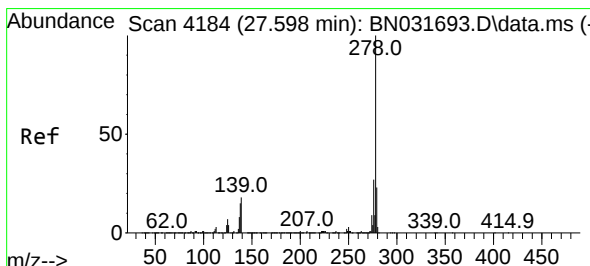
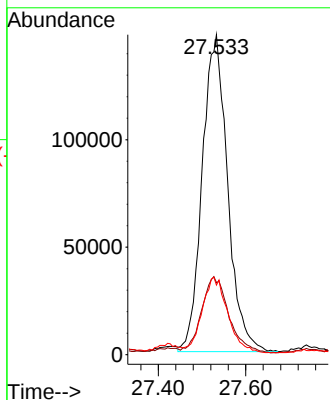
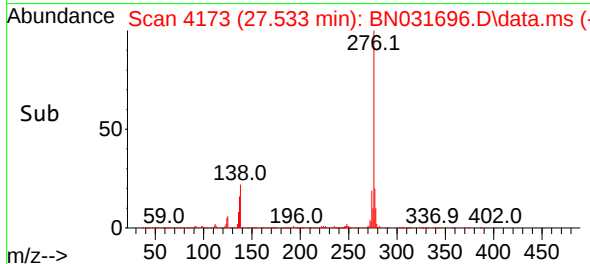
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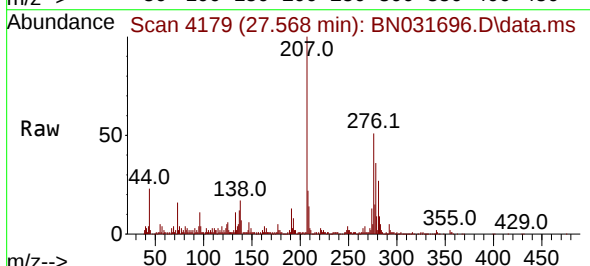
Tgt Ion:276 Resp: 595424  
Ion Ratio Lower Upper  
276 100  
138 22.5 18.1 27.1  
277 21.7 18.2 27.2

Manual Integrations  
APPROVED

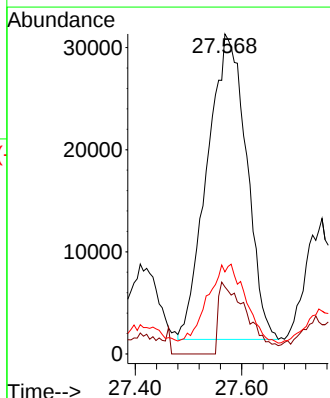
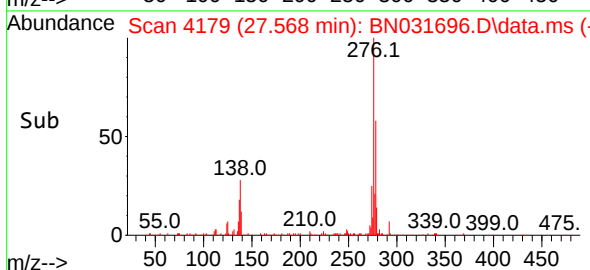
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024

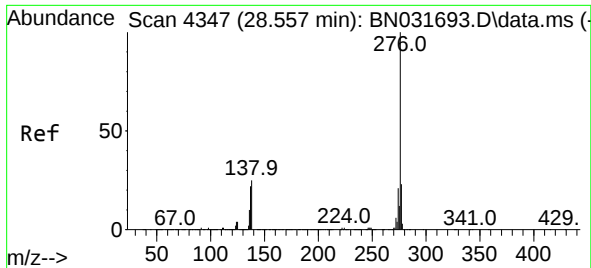


#95  
Dibenzo(a,h)anthracene  
Concen: 1.204 ng/ul  
RT: 27.568 min Scan# 4179  
Delta R.T. -0.035 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40



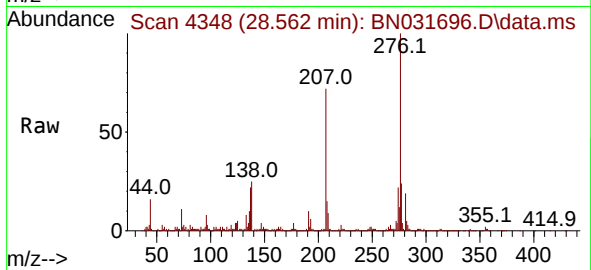
Tgt Ion:278 Resp: 152933  
Ion Ratio Lower Upper  
278 100  
139 20.9 15.0 22.6  
279 25.7 17.4 26.0





#96  
Benzo(g,h,i)perylene  
Concen: 4.445 ng/ul  
RT: 28.562 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN031696.D  
Acq: 29 May 2024 18:40

Instrument :  
BNA\_N  
ClientSampleId :  
BH647



Tgt Ion:276 Resp: 549604  
Ion Ratio Lower Upper  
276 100  
138 25.1 20.9 31.3  
277 23.7 18.0 27.0

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