

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
 Data File : BN031741.D  
 Acq On : 31 May 2024 14:20  
 Operator : MA/JU  
 Sample : P2549-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH618

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: Jun 01 01:16:54 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     | 7.681  | 152  | 520944   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.463 | 136  | 2210930  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 1380179  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 2680939  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 1527437  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.251 | 264  | 1697592  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 43347    | 3.442  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 463266   | 13.069 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 914937   | 20.487 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 523961   | 20.058 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 741386   | 21.757 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 439971   | 12.086 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 385176   | 22.785 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.551  | 143  | 416426   | 23.847 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 713461   | 21.885 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.604 | 131  | 350020   | 7.231  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.739 | 166  | 2312475  | 24.050 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 2643423  | 23.909 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 369382   | 19.187 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1949725  | 23.965 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 172930m  | 12.833 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 2804360  | 24.433 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 2785845  | 34.083 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 1985844  | 24.498 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.045 | 152  | 245685   | 1.966  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.116 | 178  | 1705234  | 12.486 | ng/u1  | 99       |
| 74) Anthracene                | 17.204 | 178  | 304855   | 2.203  | ng/u1  | 99       |
| 77) Carbazole                 | 17.475 | 167  | 157621   | 1.336  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.133 | 202  | 3941719  | 40.352 | ng/u1  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 3642590  | 36.345 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 172297   | 3.640  | ng/u1  | 90       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 1573048  | 15.386 | ng/u1  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 642435   | 9.310  | ng/u1  | 98       |
| 87) Chrysene                  | 21.351 | 228  | 1737362  | 18.193 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 2185217  | 21.536 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 737648m  | 7.408  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.109 | 252  | 1514782  | 15.939 | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.550 | 276  | 1172455  | 10.706 | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.598 | 278  | 289193   | 3.235  | ng/u1# | 90       |
| 96) Benzo(g,h,i)perylene      | 28.586 | 276  | 962932   | 11.061 | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

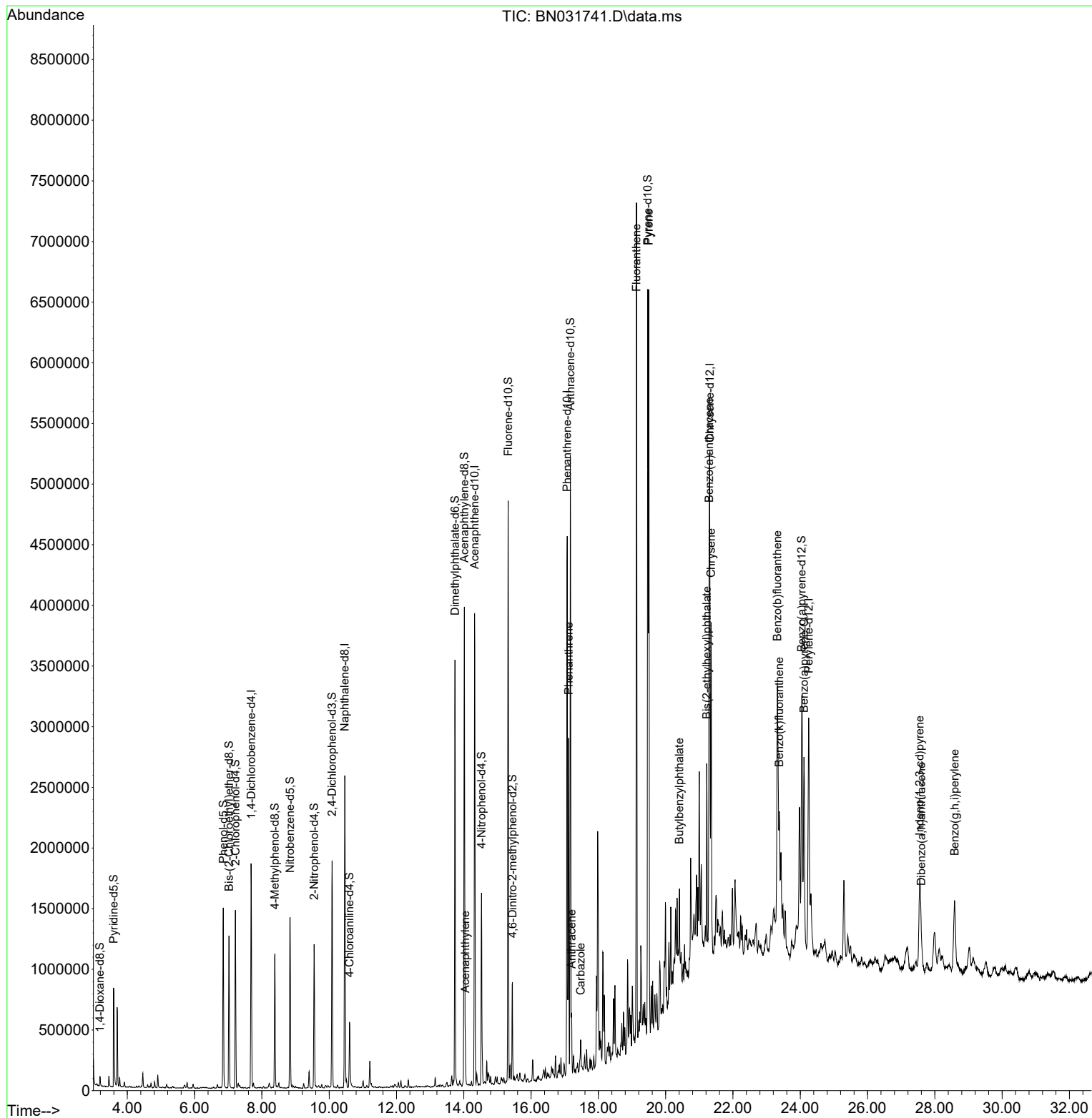
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053124\  
Data File : BN031741.D  
Acq On : 31 May 2024 14:20  
Operator : MA/JU  
Sample : P2549-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

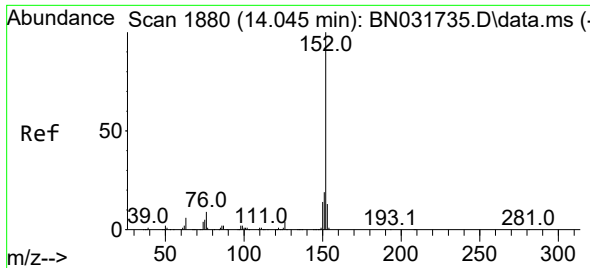
Instrument :  
BNA\_N  
ClientSampleId :  
BH618

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

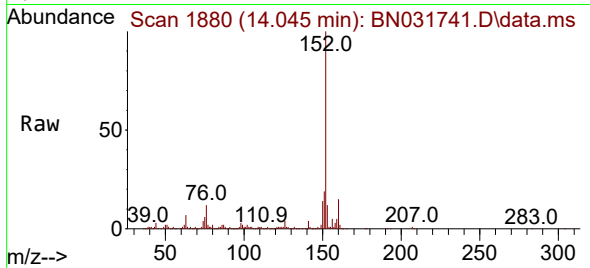
Quant Time: Jun 01 01:16:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration





#50  
Acenaphthylene  
Concen: 1.966 ng/ul  
RT: 14.045 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20

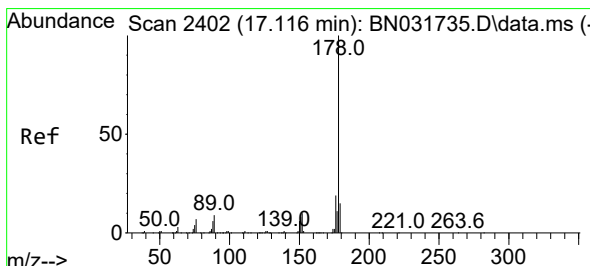
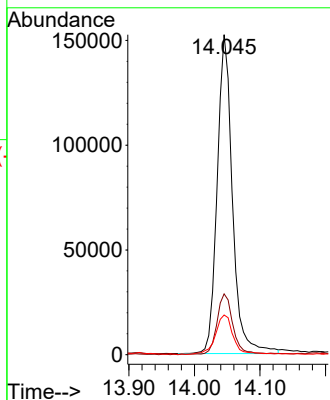
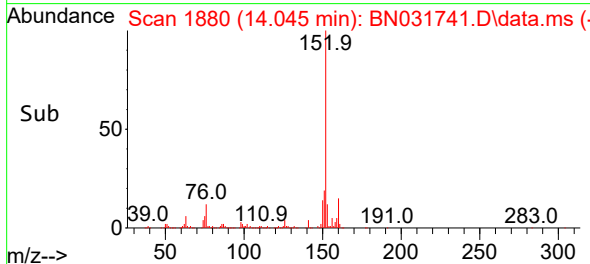
Instrument :  
BNA\_N  
ClientSampleId :  
BH618



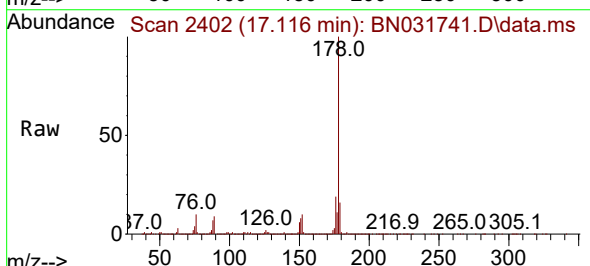
Tgt Ion:152 Resp: 245685  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.9 23.9  
153 12.4 10.4 15.6

Manual Integrations  
APPROVED

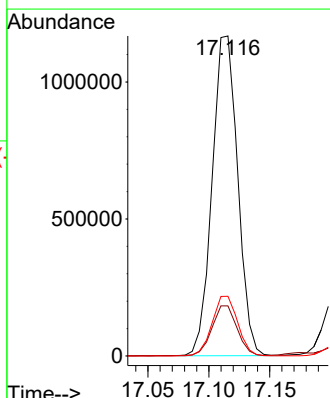
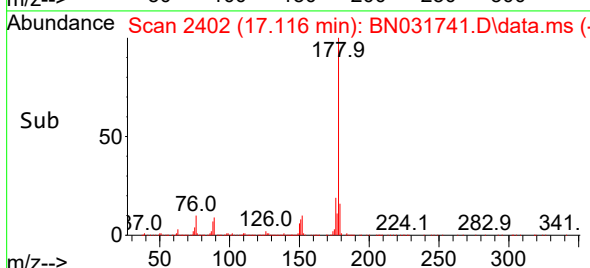
Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

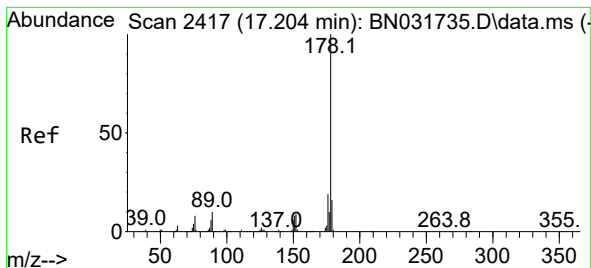


#72  
Phenanthrene  
Concen: 12.486 ng/ul  
RT: 17.116 min Scan# 2402  
Delta R.T. -0.000 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20



Tgt Ion:178 Resp: 1705234  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 18.7 15.8 23.6





#74

Anthracene

Concen: 2.203 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. -0.000 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

Instrument :

BNA\_N

ClientSampleId :

BH618

Tgt Ion:178 Resp: 30485

Ion Ratio Lower Upper

178 100

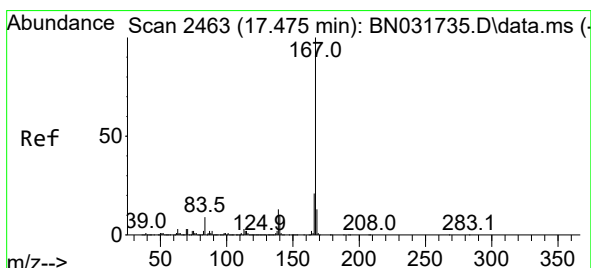
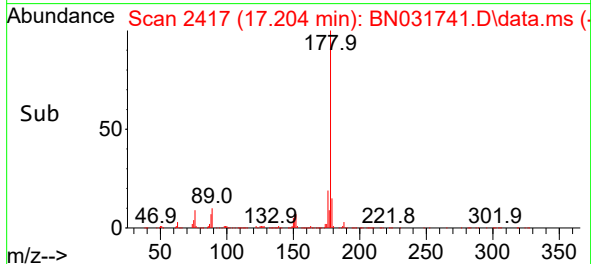
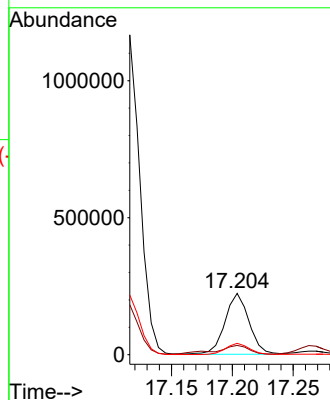
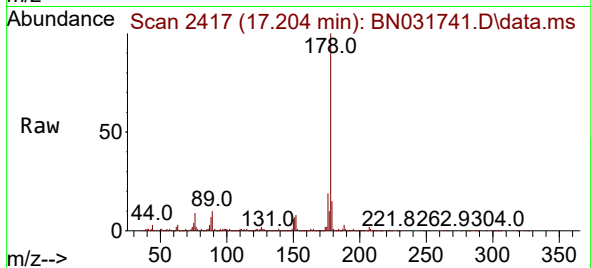
179 15.3 11.8 17.6

176 18.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#77

Carbazole

Concen: 1.336 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

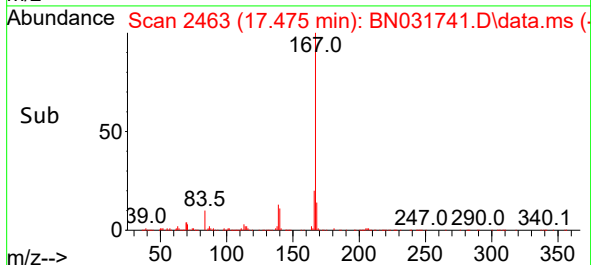
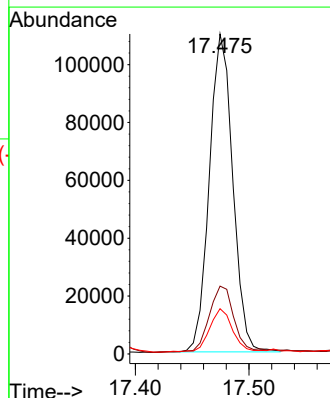
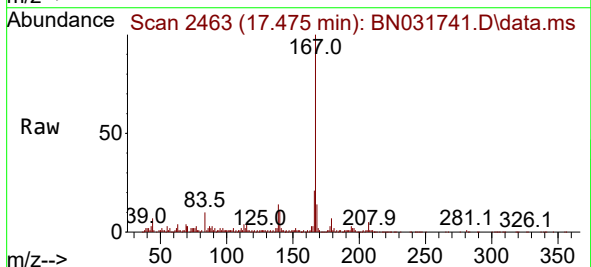
Tgt Ion:167 Resp: 157621

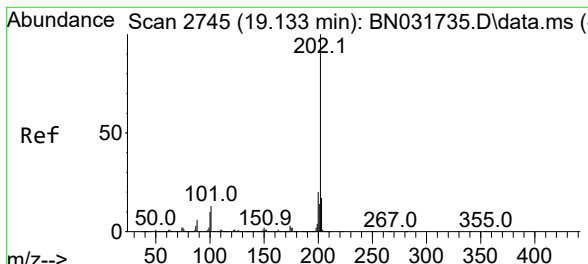
Ion Ratio Lower Upper

167 100

166 21.2 17.9 26.9

139 14.2 10.5 15.7





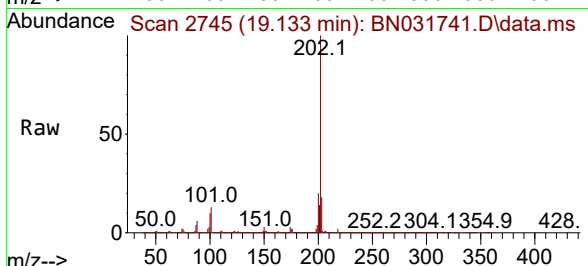
#80  
 Fluoranthene  
 Concen: 40.352 ng/ul  
 RT: 19.133 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN031741.D  
 Acq: 31 May 2024 14:20

Instrument :

BNA\_N

ClientSampleId :

BH618

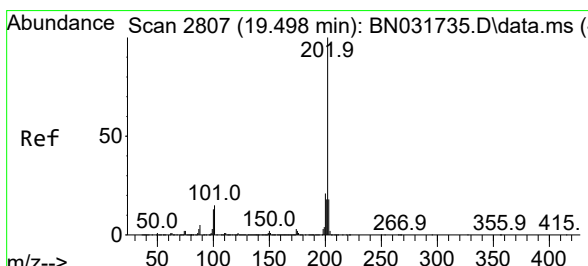
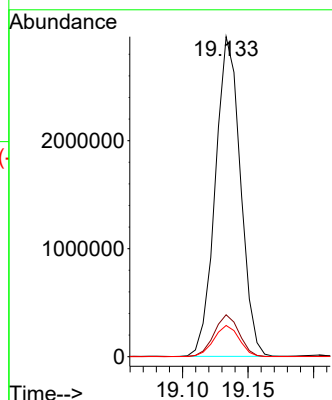
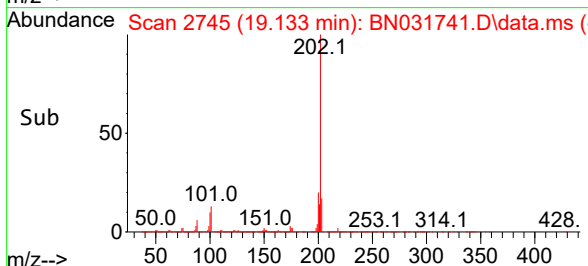


Tgt Ion:202 Resp: 3941719  
 Ion Ratio Lower Upper  
 202 100  
 101 13.1 10.3 15.5  
 100 9.7 8.0 12.0

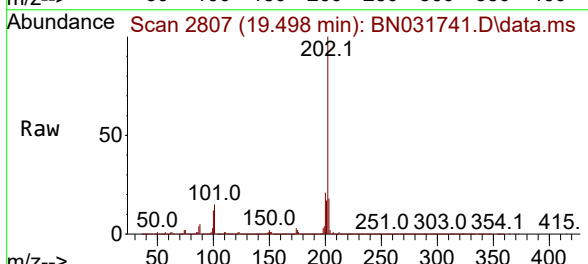
Manual Integrations

APPROVED

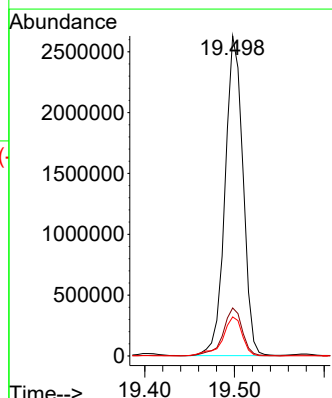
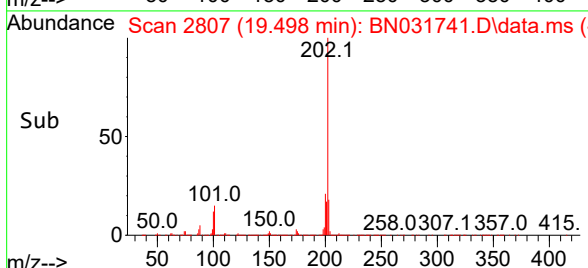
Reviewed By :Jagrut Upadhyay 06/03/2024  
 Supervised By :mohammad ahmed 06/04/2024

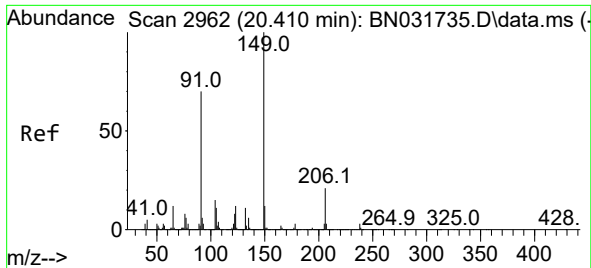


#82  
 Pyrene  
 Concen: 36.345 ng/ul  
 RT: 19.498 min Scan# 2807  
 Delta R.T. 0.006 min  
 Lab File: BN031741.D  
 Acq: 31 May 2024 14:20



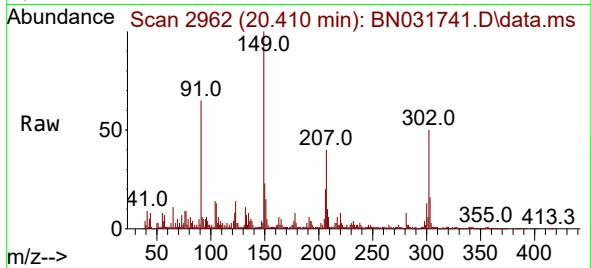
Tgt Ion:202 Resp: 3642590  
 Ion Ratio Lower Upper  
 202 100  
 101 15.0 12.6 18.8  
 100 12.2 10.2 15.2





#83  
Butylbenzylphthalate  
Concen: 3.640 ng/ul  
RT: 20.410 min Scan# 2962  
Delta R.T. 0.006 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20

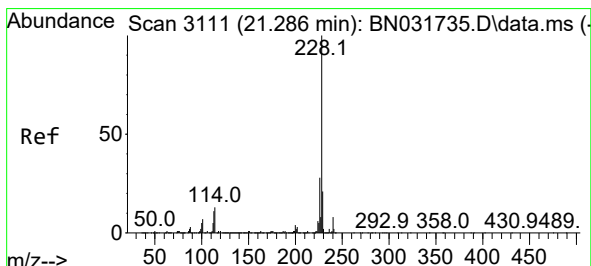
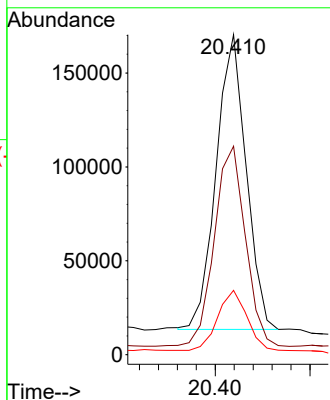
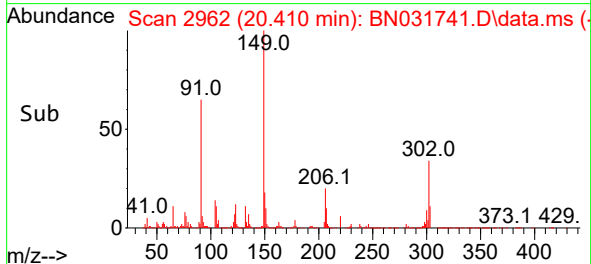
Instrument :  
BNA\_N  
ClientSampleId :  
BH618



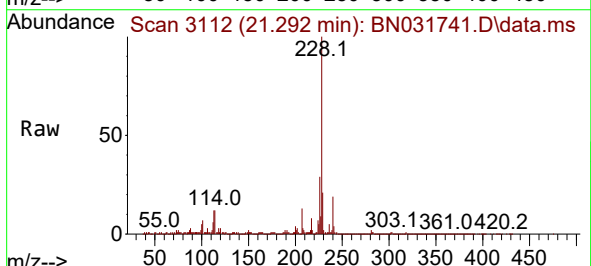
Tgt Ion:149 Resp: 172297  
Ion Ratio Lower Upper  
149 100  
91 65.2 61.0 91.4  
206 20.1 16.5 24.7

Manual Integrations  
APPROVED

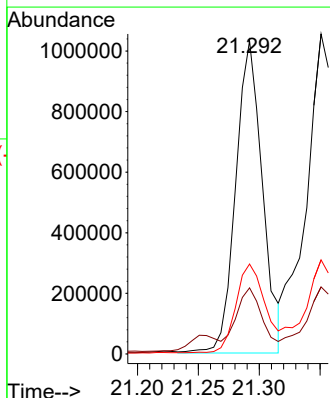
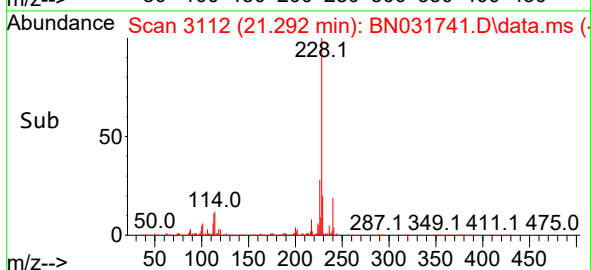
Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

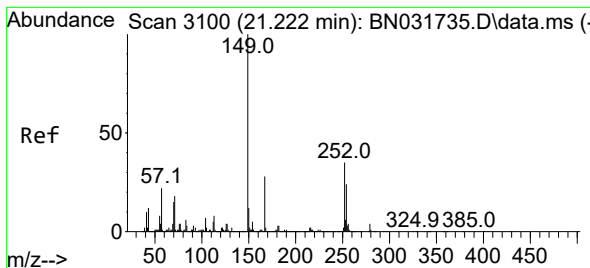


#85  
Benzo(a)anthracene  
Concen: 15.386 ng/ul  
RT: 21.292 min Scan# 3112  
Delta R.T. 0.006 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20



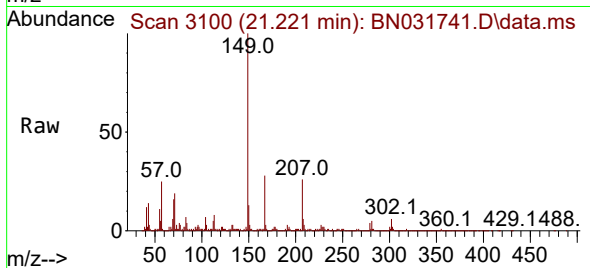
Tgt Ion:228 Resp: 1573048  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.7 25.1  
226 28.7 22.8 34.2





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 9.310 ng/ul  
RT: 21.221 min Scan# 3100  
Delta R.T. -0.000 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20

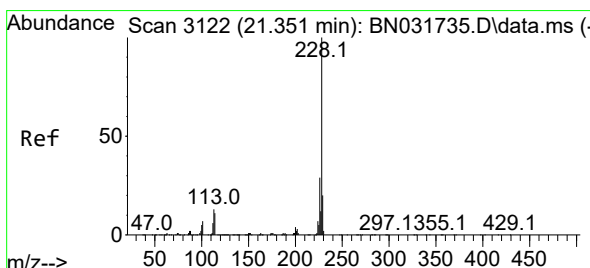
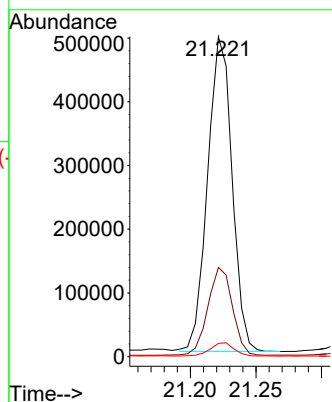
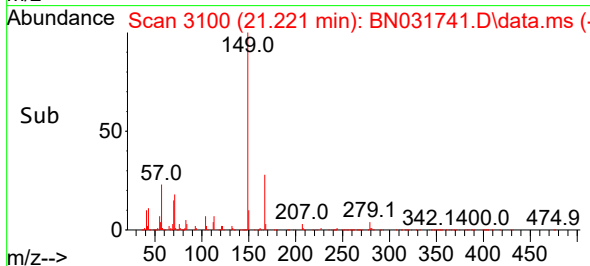
Instrument :  
BNA\_N  
ClientSampleId :  
BH618



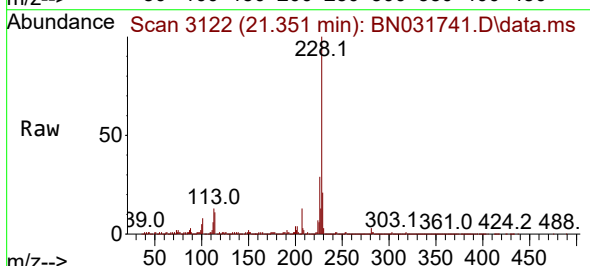
Tgt Ion:149 Resp: 642435  
Ion Ratio Lower Upper  
149 100  
167 27.9 21.4 32.0  
279 4.1 3.3 4.9

Manual Integrations  
APPROVED

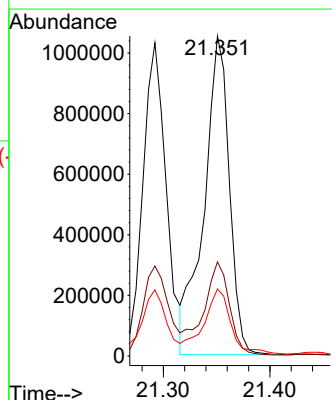
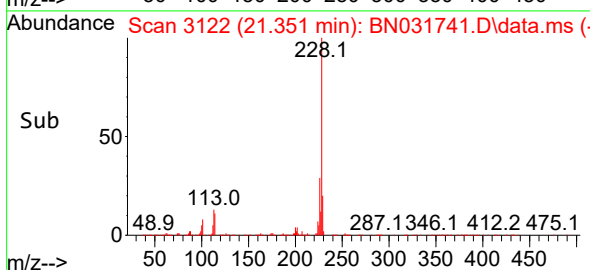
Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024

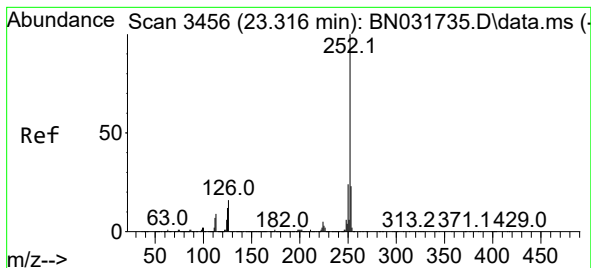


#87  
Chrysene  
Concen: 18.193 ng/ul  
RT: 21.351 min Scan# 3122  
Delta R.T. -0.000 min  
Lab File: BN031741.D  
Acq: 31 May 2024 14:20



Tgt Ion:228 Resp: 1737362  
Ion Ratio Lower Upper  
228 100  
226 29.4 23.7 35.5  
229 21.0 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 21.536 ng/ul

RT: 23.321 min Scan# 3456

Delta R.T. 0.012 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

Instrument :

BNA\_N

ClientSampleId :

BH618

Tgt Ion:252 Resp: 218521

Ion Ratio Lower Upper

252 100

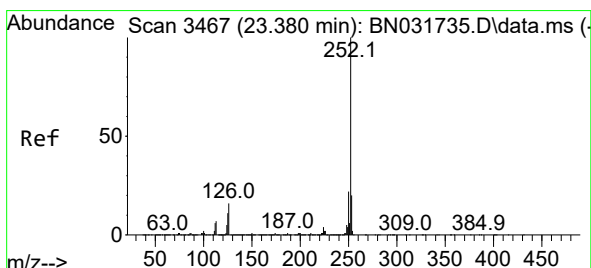
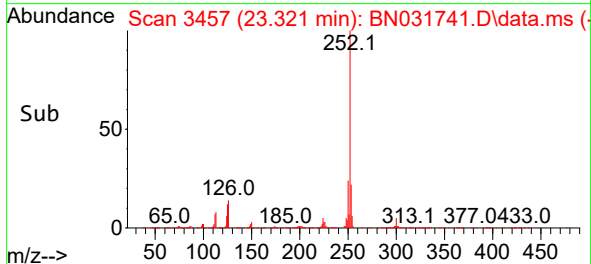
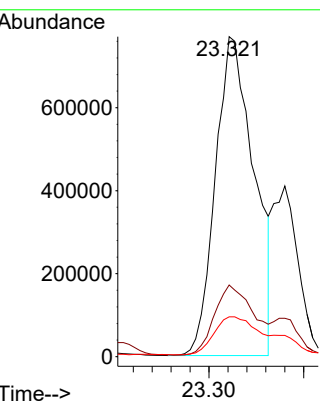
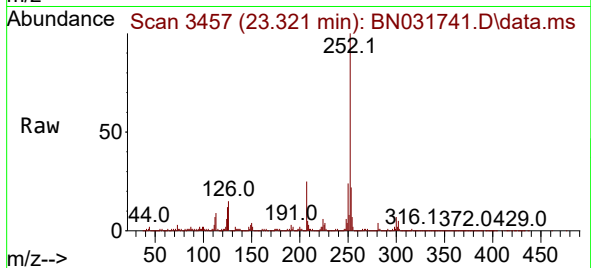
253 22.4 17.0 25.6

125 12.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#91

Benzo(k)fluoranthene

Concen: 7.408 ng/ul m

RT: 23.380 min Scan# 3467

Delta R.T. 0.006 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

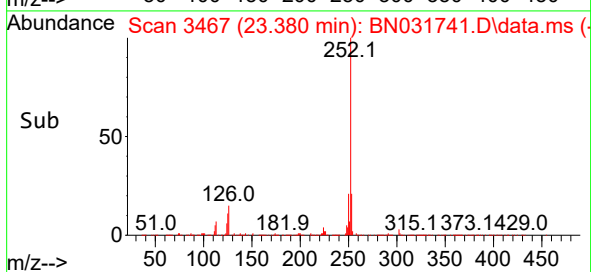
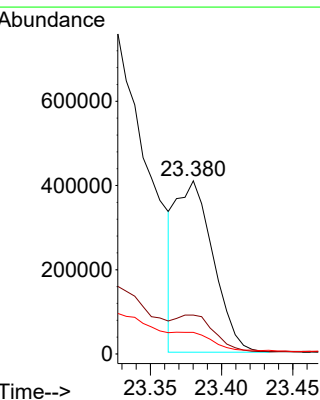
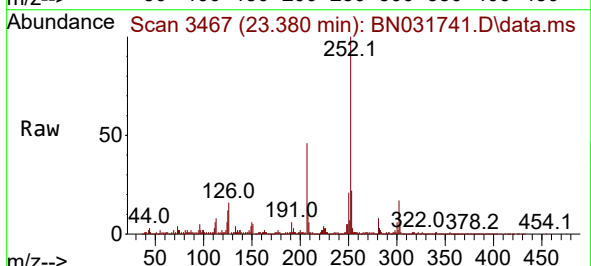
Tgt Ion:252 Resp: 737648

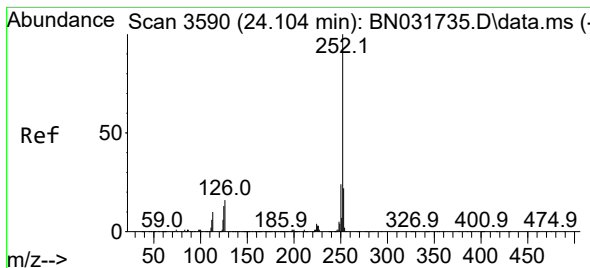
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 12.4 9.4 14.2





#93

Benzo(a)pyrene

Concen: 15.939 ng/ul

RT: 24.109 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BN031741.D

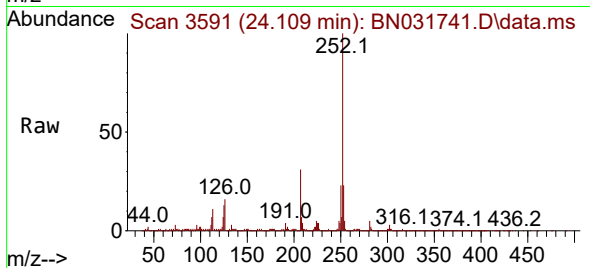
Acq: 31 May 2024 14:20

Instrument :

BNA\_N

ClientSampleId :

BH618



Tgt Ion:252 Resp: 151478

Ion Ratio Lower Upper

252 100

253 22.7 16.6 24.8

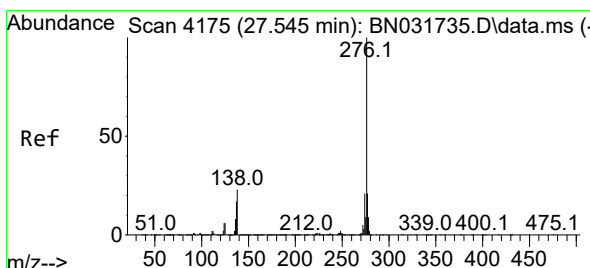
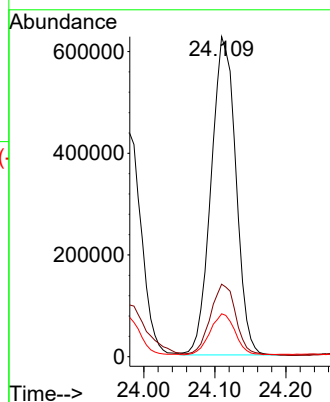
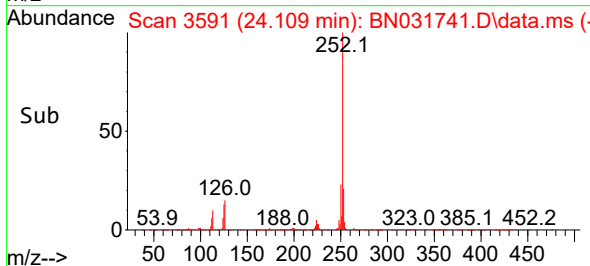
125 13.4 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.706 ng/ul

RT: 27.550 min Scan# 4176

Delta R.T. 0.017 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

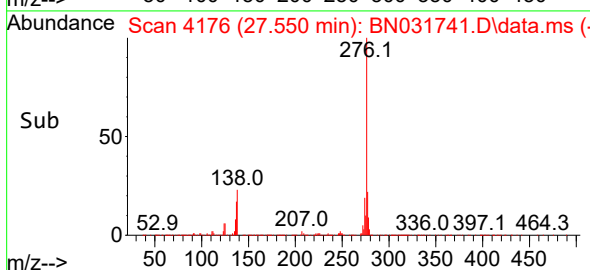
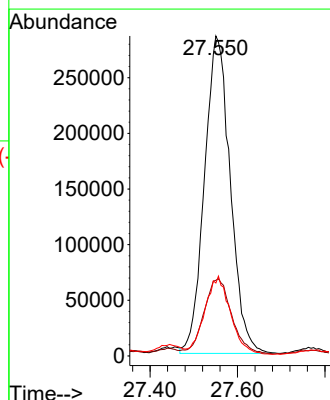
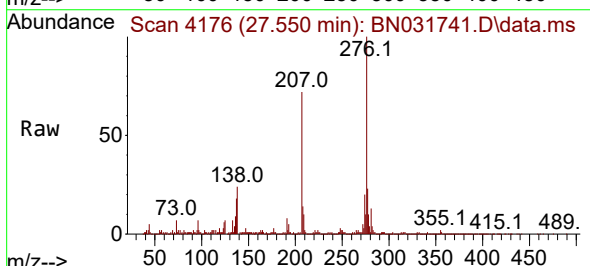
Tgt Ion:276 Resp: 1172455

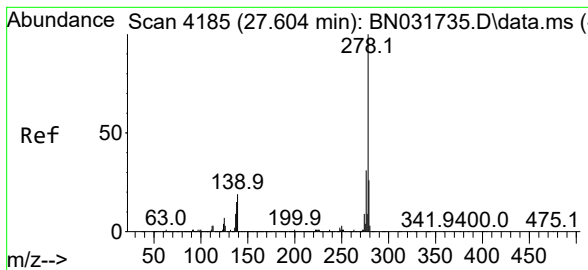
Ion Ratio Lower Upper

276 100

138 23.6 18.1 27.1

277 22.8 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 3.235 ng/ul

RT: 27.598 min Scan# 4184

Delta R.T. -0.006 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

Instrument :

BNA\_N

ClientSampleId :

BH618

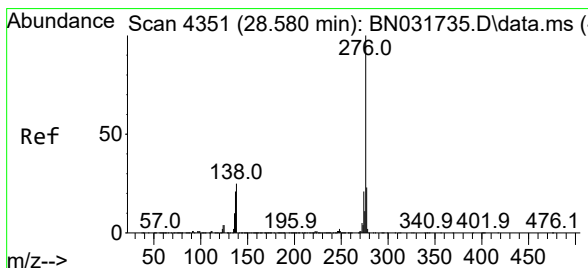
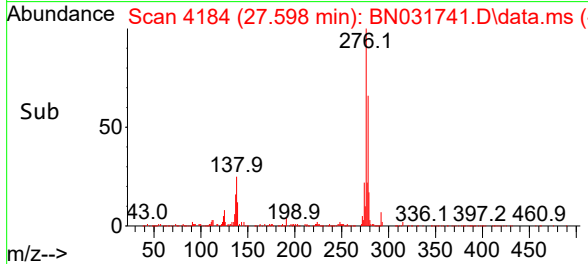
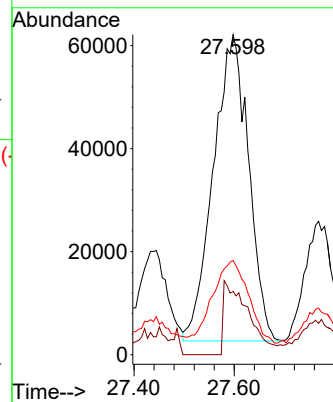
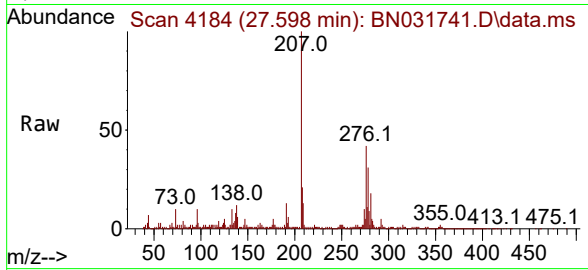
Tgt Ion:278 Resp: 28919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 19.8  | 15.0  | 22.6  |
| 279 | 29.4  | 17.4  | 26.0  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024  
Supervised By :mohammad ahmed 06/04/2024



#96

Benzo(g,h,i)perylene

Concen: 11.061 ng/ul

RT: 28.586 min Scan# 4352

Delta R.T. 0.017 min

Lab File: BN031741.D

Acq: 31 May 2024 14:20

Tgt Ion:276 Resp: 962932

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 26.2  | 20.9  | 31.3  |
| 277 | 23.7  | 18.0  | 27.0  |

