

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042922\  
 Data File : BN019569.D  
 Acq On : 28 Apr 2022 17:03  
 Operator : CG/JU  
 Sample : N2470-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFFG0

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Apr 29 02:10:49 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 28 13:24:26 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.880  | 152  | 4099     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.667 | 136  | 11783    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.498 | 164  | 6009     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.235 | 188  | 12186    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.415 | 240  | 10546    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.768 | 264  | 10361    | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.344  | 96   | 12680    | 2.614  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.256 | 152  | 2740     | 0.154  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.258 | 212  | 7161     | 0.215  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.716 | 128  | 1704     | 0.045  | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.327 | 142  | 923      | 0.040  | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.547 | 142  | 1130     | 0.053  | ng/ul# | 100      |
| 10) Acenaphthylene          | 14.216 | 152  | 4929     | 0.166  | ng/ul  | 98       |
| 11) Acenaphthene            | 14.558 | 153  | 17621    | 0.738  | ng/ul  | 99       |
| 12) Fluorene                | 15.544 | 166  | 28655    | 1.093  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.277 | 178  | 655482   | 14.622 | ng/ul  | 99       |
| 16) Anthracene              | 17.366 | 178  | 120808   | 3.304  | ng/ul  | 98       |
| 19) Fluoranthene            | 19.291 | 202  | 1443702  | 29.909 | ng/ul  | 99       |
| 20) Pyrene                  | 19.653 | 202  | 931717   | 19.337 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.400 | 228  | 609884   | 15.473 | ng/ul  | 100      |
| 22) Chrysene                | 21.450 | 228  | 604653   | 13.018 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.055 | 252  | 808009m  | 15.370 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.099 | 252  | 274406m  | 5.418  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.666 | 252  | 273185   | 6.100  | ng/ul# | 75       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.185 | 276  | 263084   | 4.710  | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.195 | 278  | 89480    | 1.916  | ng/ul# | 82       |
| 29) Benzo(g,h,i)perylene    | 26.927 | 276  | 15071    | 0.295  | ng/ul# | 79       |
| -----                       |        |      |          |        |        |          |

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

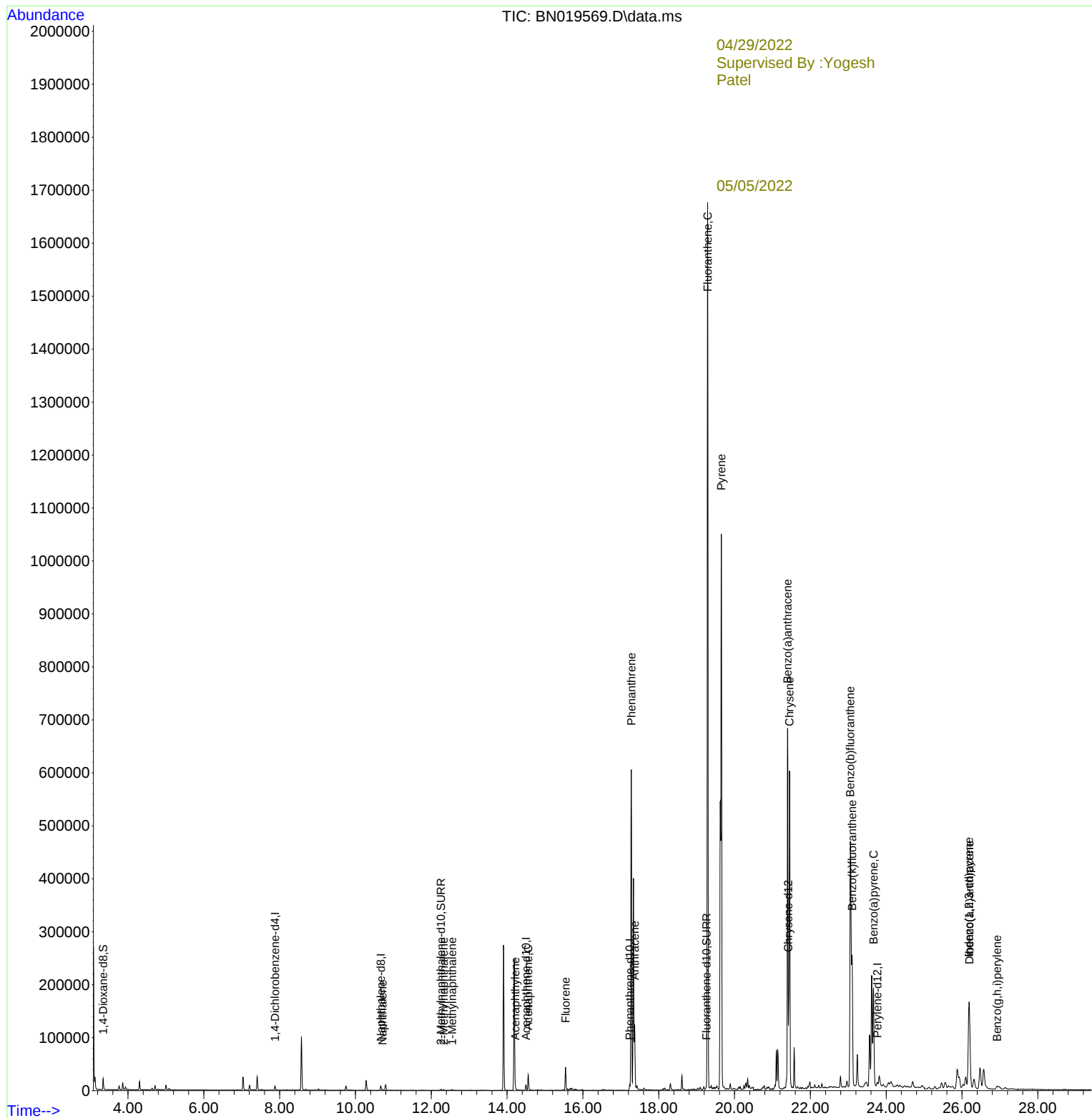
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042922\  
Data File : BN019569.D  
Acq On : 28 Apr 2022 17:03  
Operator : CG/JU  
Sample : N2470-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

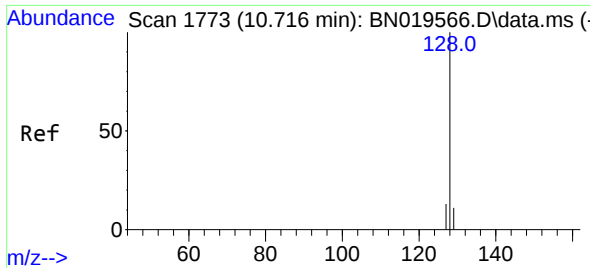
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0

Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

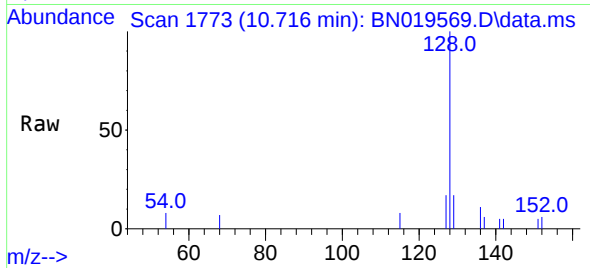
Quant Time: Apr 29 02:10:49 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 28 13:24:26 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.045 ng/ul  
RT: 10.716 min Scan# 1773  
Delta R.T. 0.001 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

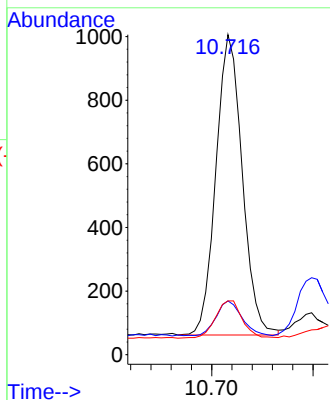
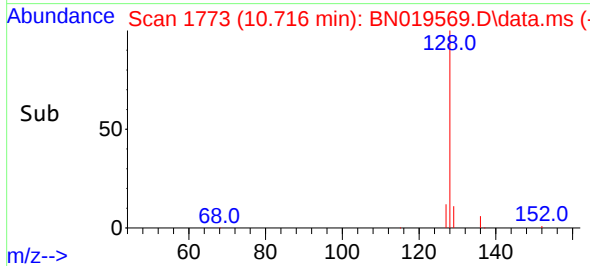
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:128 Resp: 1704  
Ion Ratio Lower Upper  
128 100  
129 16.8 9.5 14.3  
127 16.8 11.0 16.4

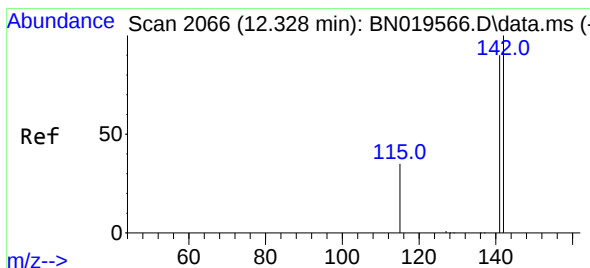
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

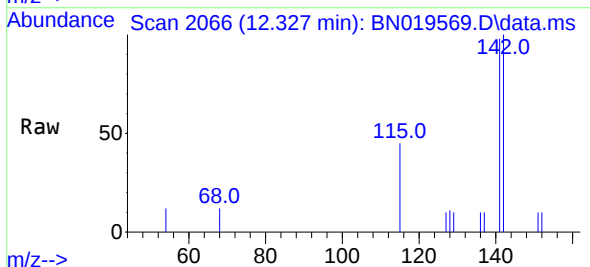


04/29/2022  
Supervised By :Yogesh  
Patel

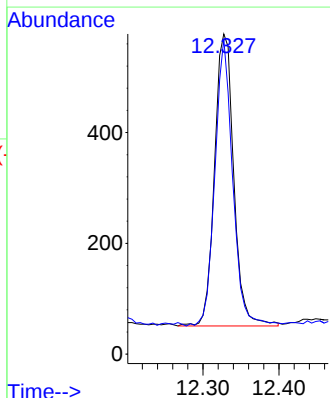
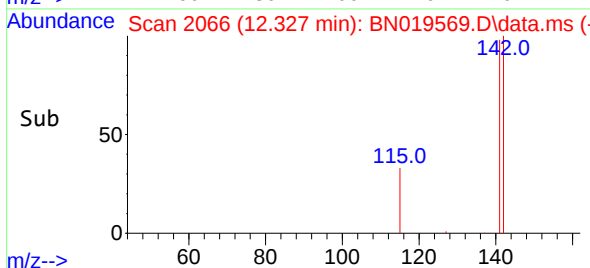
05/05/2022

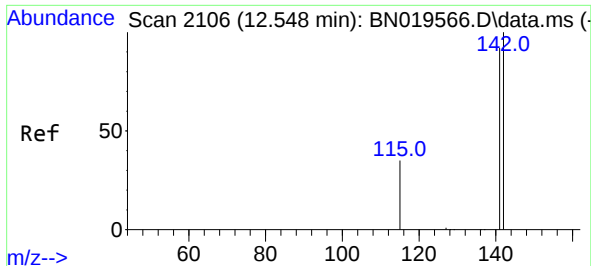


#7  
2-Methylnaphthalene  
Concen: 0.040 ng/ul  
RT: 12.327 min Scan# 2066  
Delta R.T. 0.001 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03



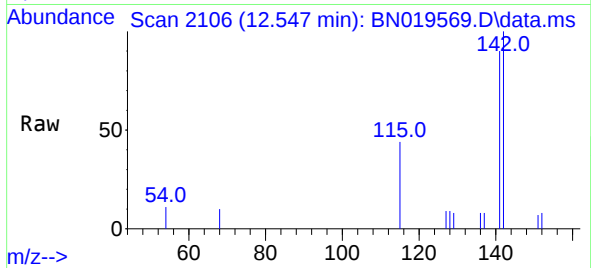
Tgt Ion:142 Resp: 923  
Ion Ratio Lower Upper  
142 100  
141 91.0 0.0 0.0#





#8  
1-Methylnaphthalene  
Concen: 0.053 ng/ul  
RT: 12.547 min Scan# 2106  
Delta R.T. 0.001 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

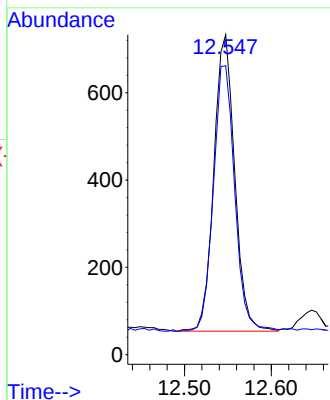
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:142 Resp: 1130  
Ion Ratio Lower Upper  
142 100  
141 92.9 0.0 0.0

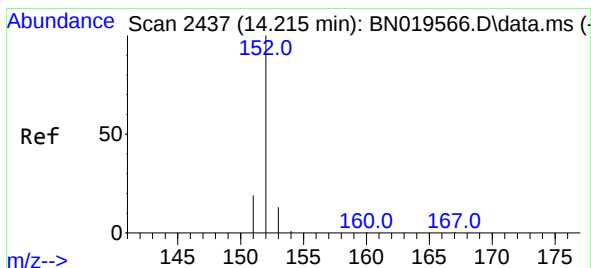
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay



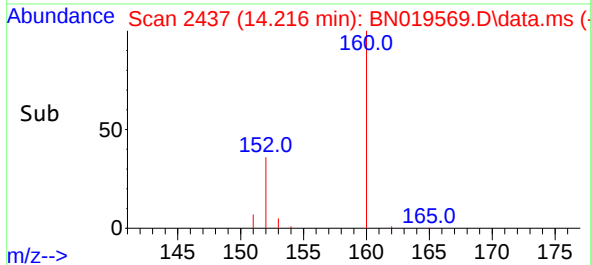
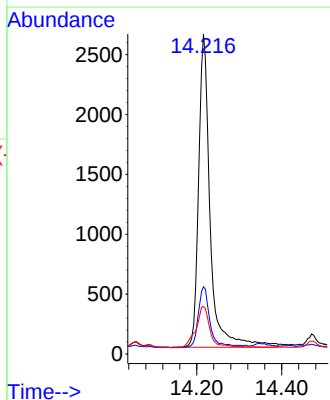
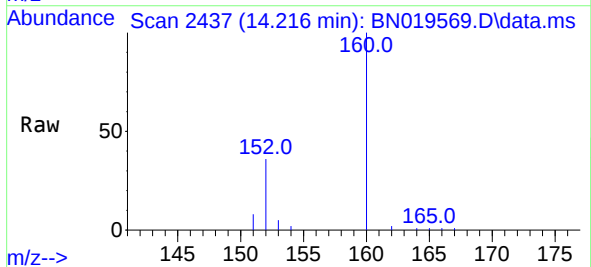
04/29/2022  
Supervised By :Yogesh  
Patel

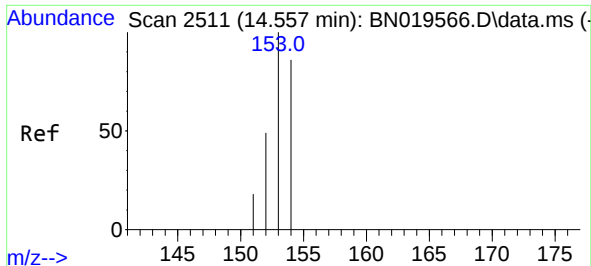
05/05/2022



#10  
Acenaphthylene  
Concen: 0.166 ng/ul  
RT: 14.216 min Scan# 2437  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

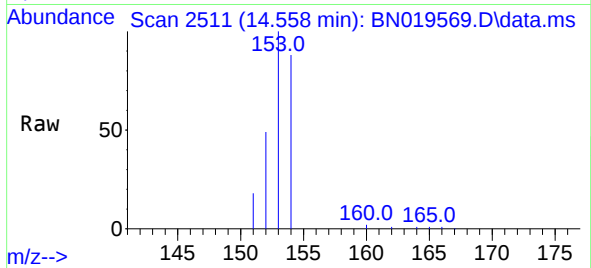
Tgt Ion:152 Resp: 4929  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.3 24.5  
153 14.9 11.1 16.7





#11  
Acenaphthene  
Concen: 0.738 ng/u1  
RT: 14.558 min Scan# 2511  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

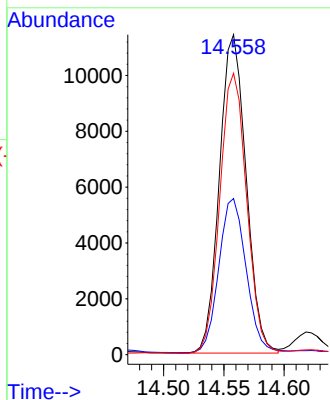
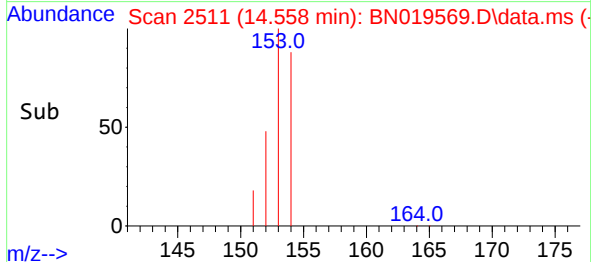
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:153 Resp: 1762  
Ion Ratio Lower Upper  
153 100  
152 48.8 38.6 57.8  
154 88.0 71.2 106.8

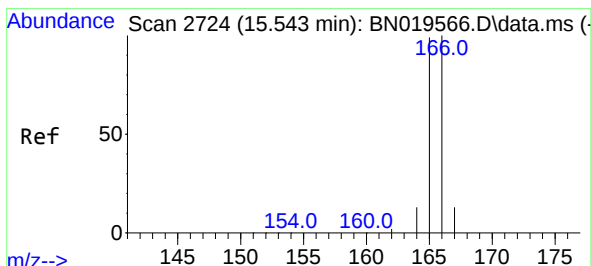
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

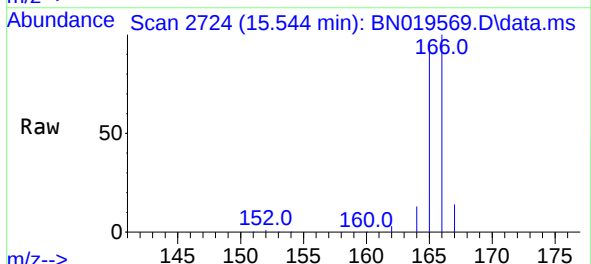


04/29/2022  
Supervised By :Yogesh  
Patel

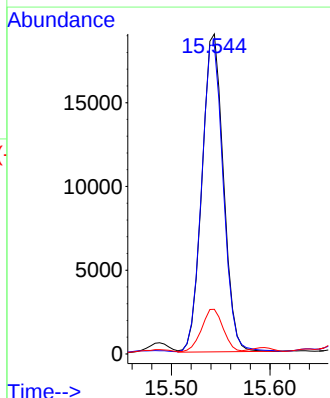
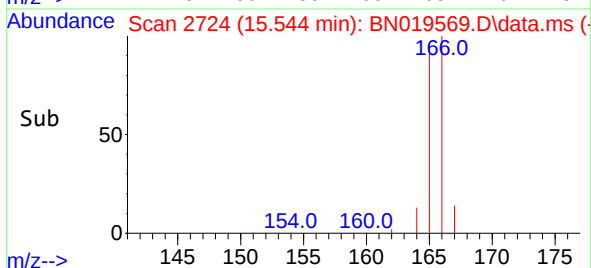
05/05/2022

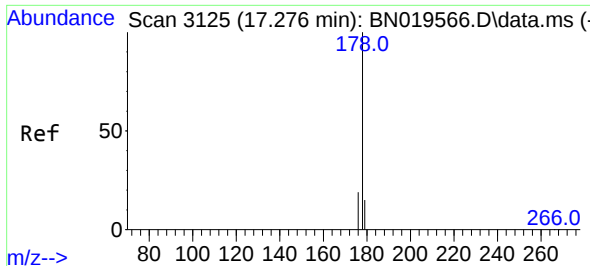


#12  
Fluorene  
Concen: 1.093 ng/u1  
RT: 15.544 min Scan# 2724  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03



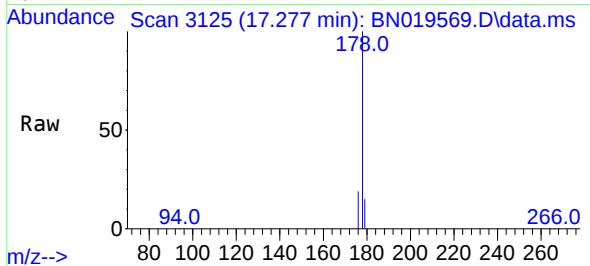
Tgt Ion:166 Resp: 28655  
Ion Ratio Lower Upper  
166 100  
165 96.4 78.2 117.2  
167 13.9 11.3 16.9





#15  
Phenanthrene  
Concen: 14.622 ng/u1  
RT: 17.277 min Scan# 3125  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

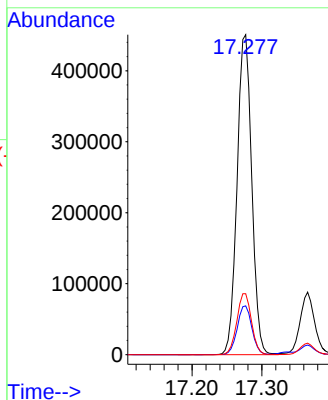
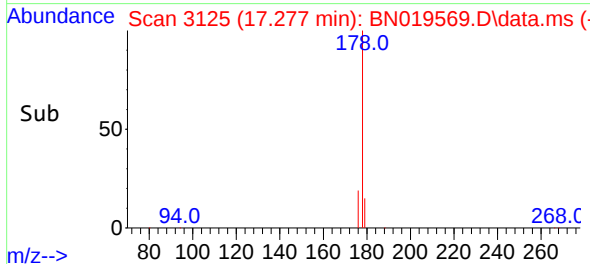
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:178 Resp: 655482  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.9 19.3  
176 19.1 15.5 23.3

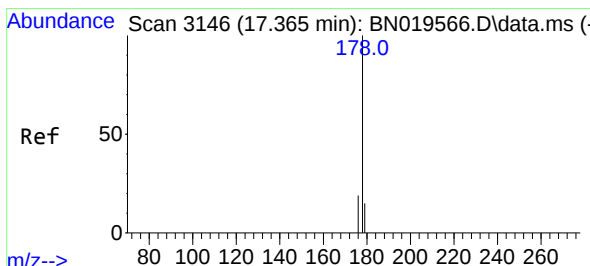
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay



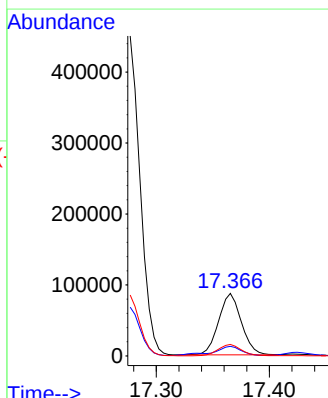
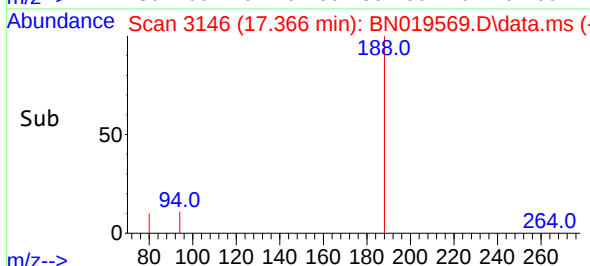
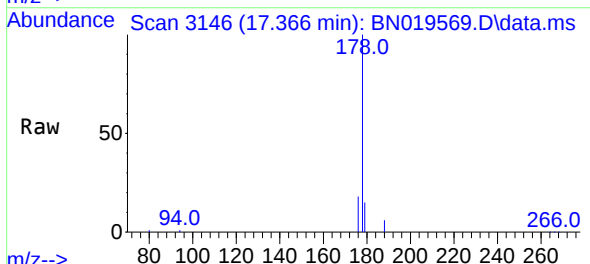
04/29/2022  
Supervised By :Yogesh  
Patel

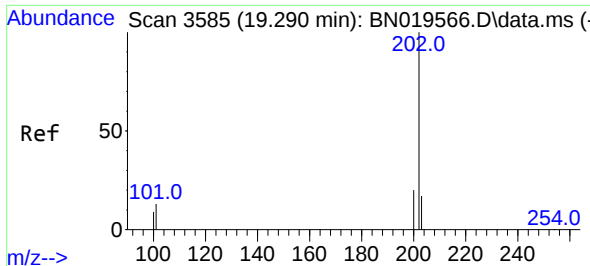
05/05/2022



#16  
Anthracene  
Concen: 3.304 ng/u1  
RT: 17.366 min Scan# 3146  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

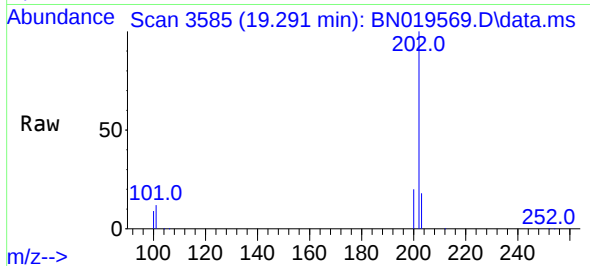
Tgt Ion:178 Resp: 120808  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.1 19.7  
176 18.5 15.3 22.9





#19  
Fluoranthene  
Concen: 29.909 ng/u1  
RT: 19.291 min Scan# 3585  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

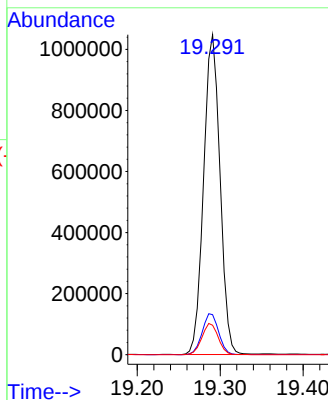
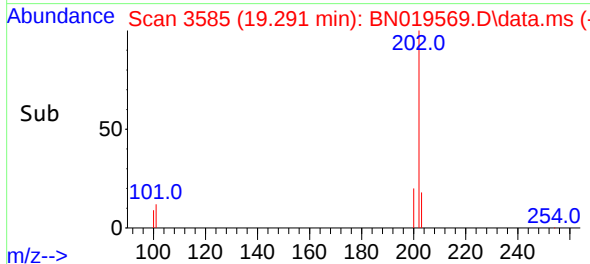
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:202 Resp: 1443702  
Ion Ratio Lower Upper  
202 100  
101 12.5 9.7 14.5  
100 9.2 7.4 11.2

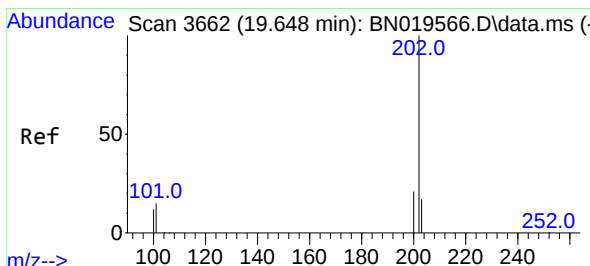
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay



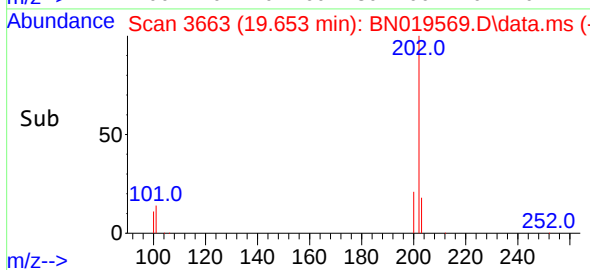
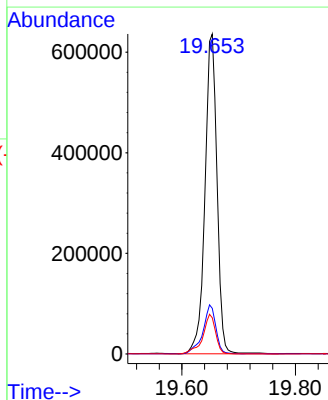
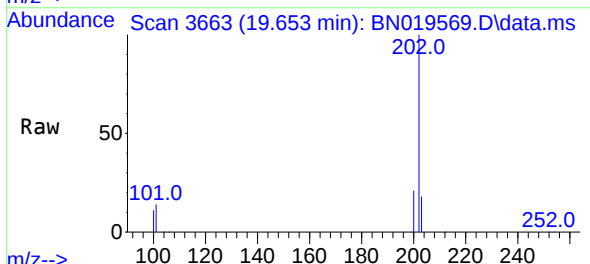
04/29/2022  
Supervised By :Yogesh  
Patel

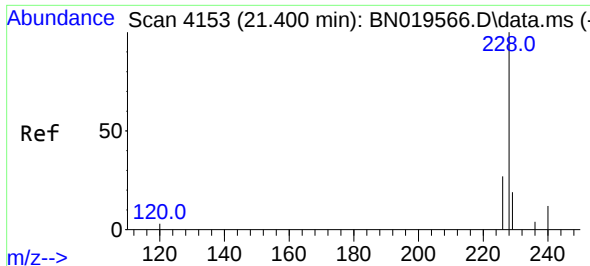
05/05/2022



#20  
Pyrene  
Concen: 19.337 ng/u1  
RT: 19.653 min Scan# 3663  
Delta R.T. 0.002 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

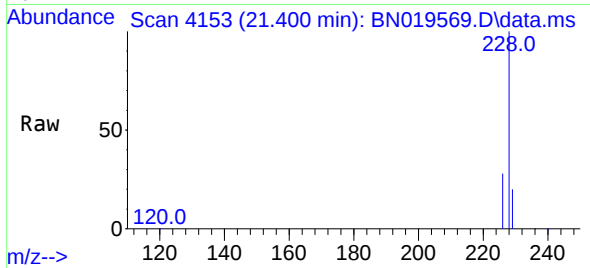
Tgt Ion:202 Resp: 931717  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.4 17.0  
100 11.3 9.0 13.4





#21  
Benzo(a)anthracene  
Concen: 15.473 ng/u1  
RT: 21.400 min Scan# 4153  
Delta R.T. 0.000 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

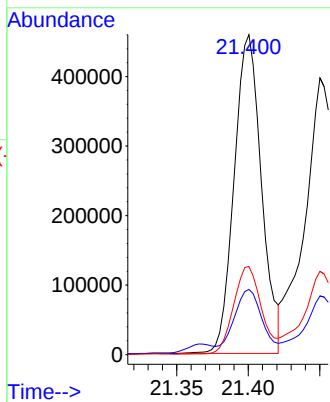
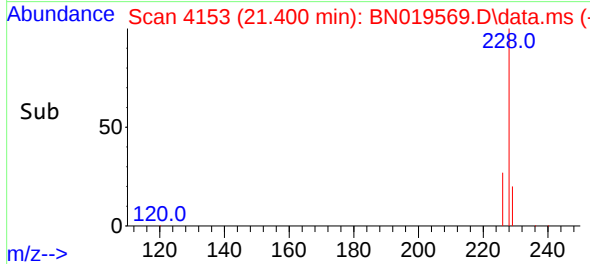
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:228 Resp: 609884  
Ion Ratio Lower Upper  
228 100  
229 20.4 16.1 24.1  
226 27.6 22.1 33.1

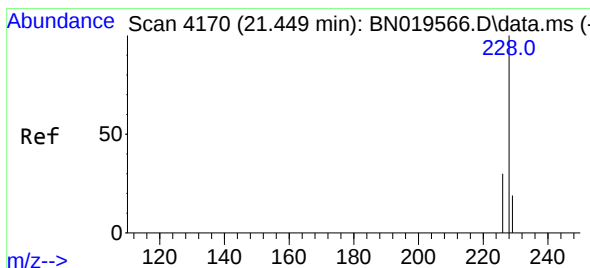
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

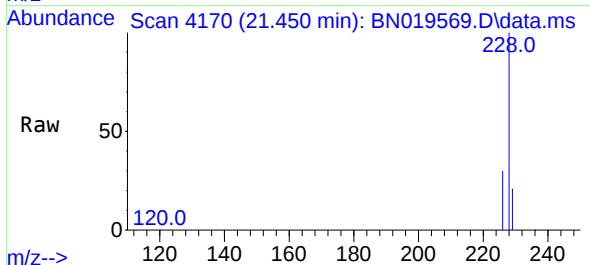


04/29/2022  
Supervised By :Yogesh  
Patel

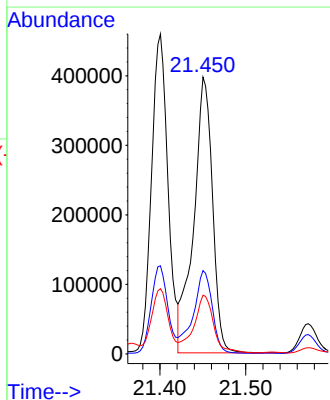
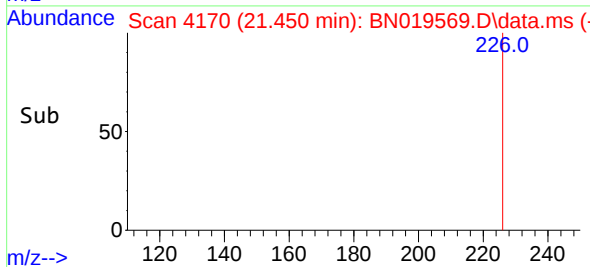
05/05/2022

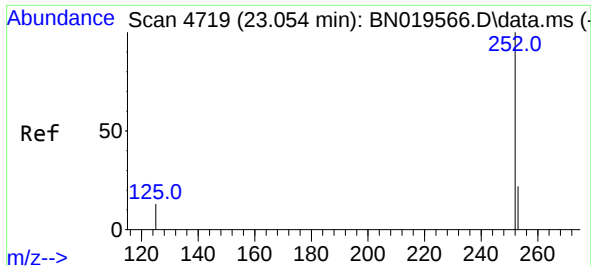


#22  
Chrysene  
Concen: 13.018 ng/u1  
RT: 21.450 min Scan# 4170  
Delta R.T. -0.003 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03



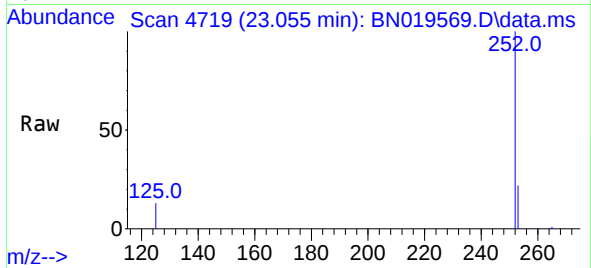
Tgt Ion:228 Resp: 604653  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.2 36.2  
229 21.2 16.0 24.0





#24  
Benzo(b)fluoranthene  
Concen: 15.370 ng/ul m  
RT: 23.055 min Scan# 4719  
Delta R.T. 0.000 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

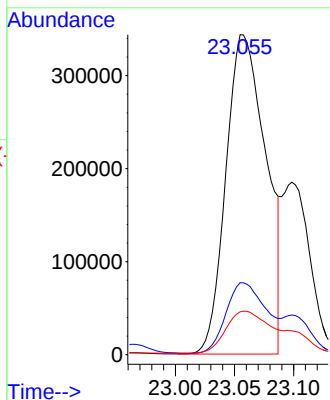
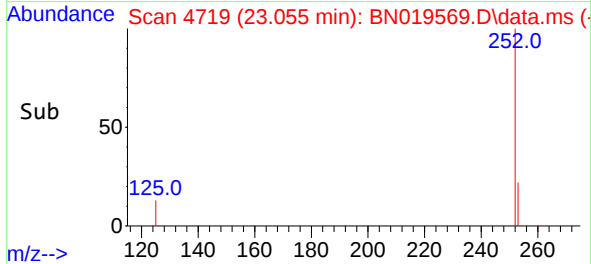
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:252 Resp: 808009  
Ion Ratio Lower Upper  
252 100  
253 22.5 0.0 52.0  
125 13.4 0.0 40.2

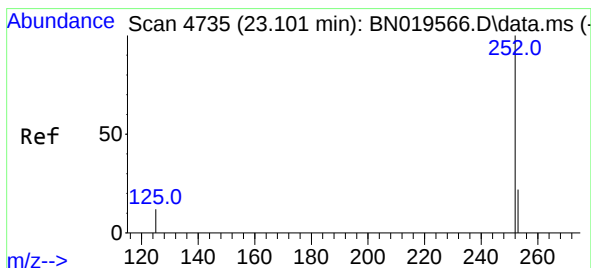
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

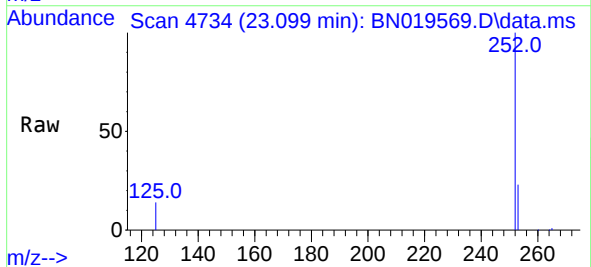


04/29/2022  
Supervised By :Yogesh  
Patel

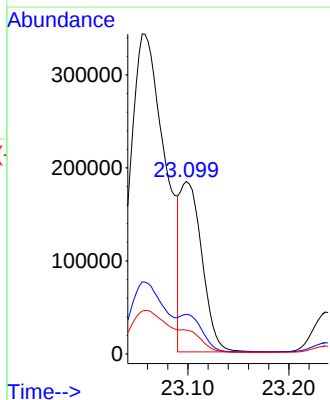
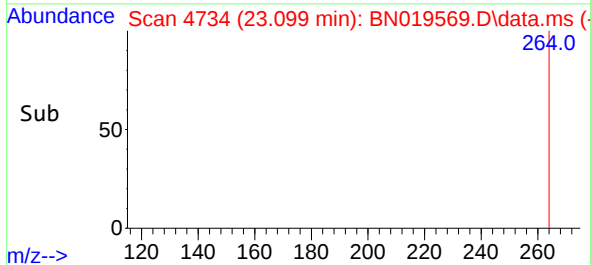
05/05/2022

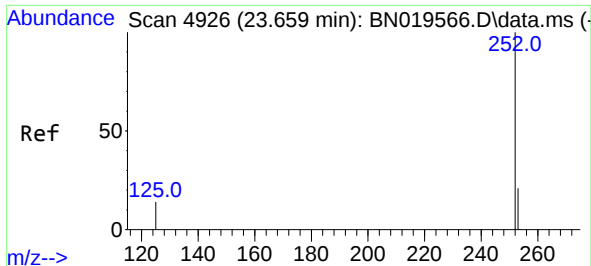


#25  
Benzo(k)fluoranthene  
Concen: 5.418 ng/ul m  
RT: 23.099 min Scan# 4734  
Delta R.T. -0.003 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03



Tgt Ion:252 Resp: 274406  
Ion Ratio Lower Upper  
252 100  
253 23.0 20.2 30.2  
125 13.9 11.0 16.6





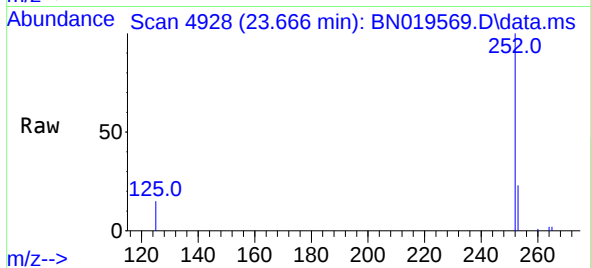
#26  
Benzo(a)pyrene  
Concen: 6.100 ng/u1  
RT: 23.666 min Scan# 4926  
Delta R.T. 0.003 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

Instrument :

BN019569.D

ClientSampleId :

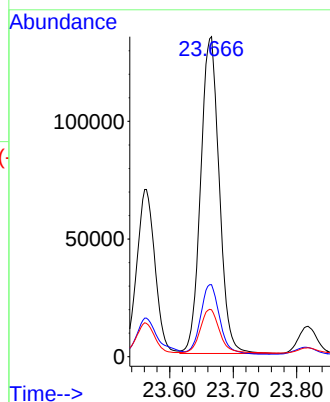
BFFG0



Tgt Ion:252 Resp: 273185  
Ion Ratio Lower Upper  
252 100  
253 22.5 23.4 35.0  
125 14.7 28.3 42.5

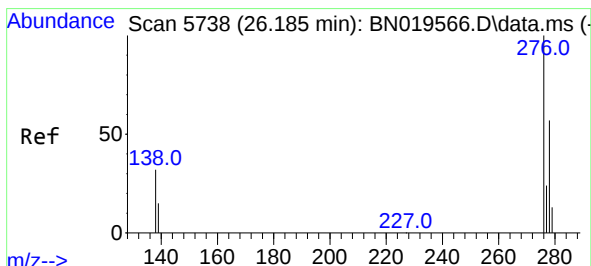
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay



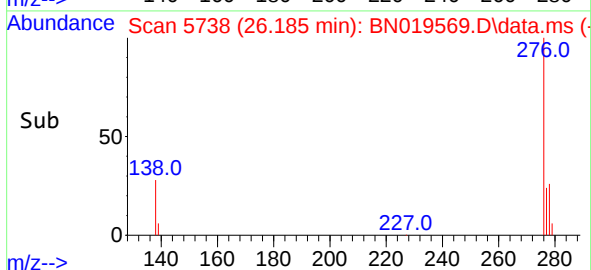
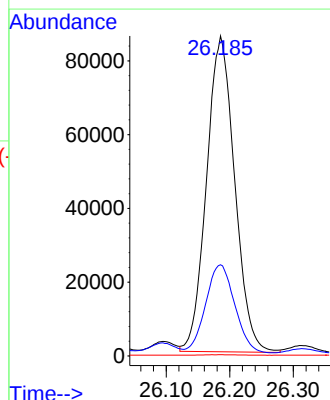
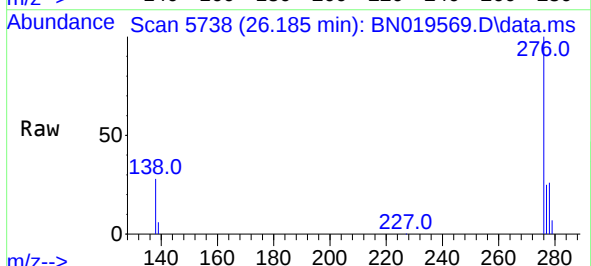
04/29/2022  
Supervised By :Yogesh  
Patel

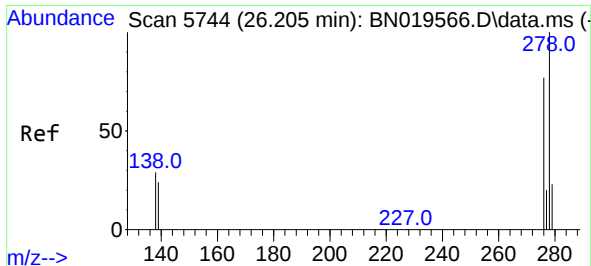
05/05/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 4.710 ng/u1  
RT: 26.185 min Scan# 5738  
Delta R.T. 0.000 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

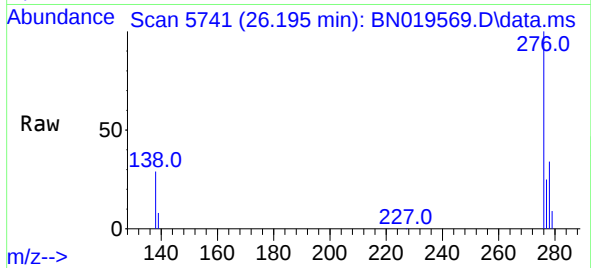
Tgt Ion:276 Resp: 263084  
Ion Ratio Lower Upper  
276 100  
138 29.0 23.6 35.4  
227 0.2 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 1.916 ng/ul  
RT: 26.195 min Scan# 5741  
Delta R.T. -0.006 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03

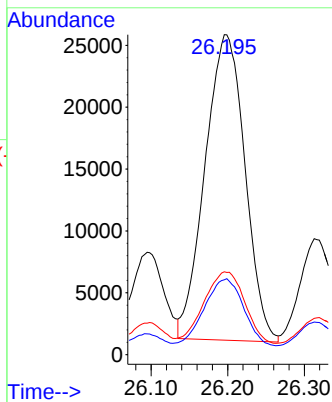
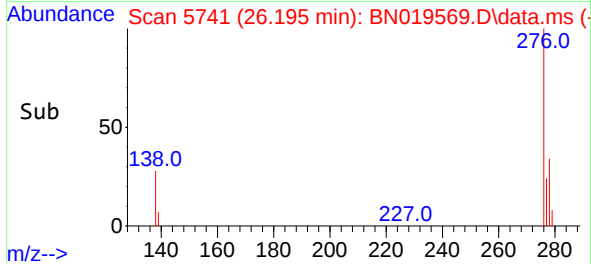
Instrument :  
BNA\_N  
ClientSampleId :  
BFFG0



Tgt Ion:278 Resp: 89480  
Ion Ratio Lower Upper  
278 100  
139 23.4 18.6 28.0  
279 25.9 35.1 52.7

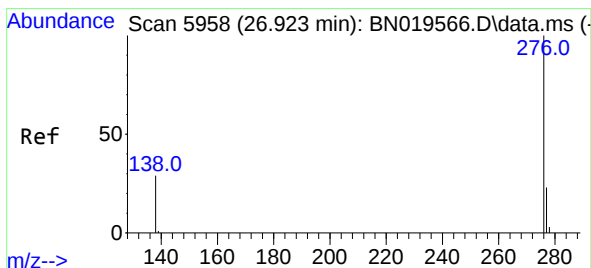
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

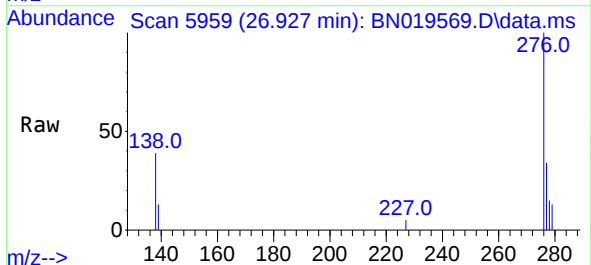


04/29/2022  
Supervised By :Yogesh  
Patel

05/05/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.295 ng/ul  
RT: 26.927 min Scan# 5959  
Delta R.T. 0.004 min  
Lab File: BN019569.D  
Acq: 28 Apr 2022 17:03



Tgt Ion:276 Resp: 15071  
Ion Ratio Lower Upper  
276 100  
138 38.9 20.9 31.3#  
277 34.0 20.4 30.6#

