

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041522\  
 Data File : BN019461.D  
 Acq On : 15 Apr 2022 14:14  
 Operator : CG/JU  
 Sample : N2280-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFFC2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/18/2022  
 Supervised By :Yogesh Patel 04/18/2022

Quant Time: Apr 18 05:02:15 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN041322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 14:35:39 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.814  | 152  | 4760     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.618 | 136  | 15025    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.457 | 164  | 9082     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.197 | 188  | 18671    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.392 | 240  | 13307    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.739 | 264  | 8328m    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.173  | 96   | 8440     | 1.378 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.219 | 152  | 2137     | 0.101 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.231 | 212  | 6406     | 0.130 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.175 | 152  | 1817     | 0.055 | ng/ul# | 89       |
| 12) Fluorene                | 15.507 | 166  | 1004     | 0.027 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.239 | 178  | 16274    | 0.262 | ng/ul  | 99       |
| 16) Anthracene              | 17.332 | 178  | 1440     | 0.030 | ng/ul# | 81       |
| 19) Fluoranthene            | 19.259 | 202  | 20797    | 0.314 | ng/ul  | 98       |
| 20) Pyrene                  | 19.621 | 202  | 26521    | 0.376 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.378 | 228  | 6129     | 0.150 | ng/ul# | 89       |
| 22) Chrysene                | 21.427 | 228  | 11754    | 0.219 | ng/ul# | 93       |
| 24) Benzo(b)fluoranthene    | 23.029 | 252  | 10915m   | 0.283 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.070 | 252  | 3540m    | 0.080 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.634 | 252  | 6419     | 0.195 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.169 | 276  | 4277     | 0.117 | ng/ul# | 76       |
| 28) Dibenzo(a,h)anthracene  | 26.182 | 278  | 851      | 0.033 | ng/ul# | 11       |
| 29) Benzo(g,h,i)perylene    | 26.907 | 276  | 4777     | 0.135 | ng/ul# | 90       |
| -----                       |        |      |          |       |        |          |

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

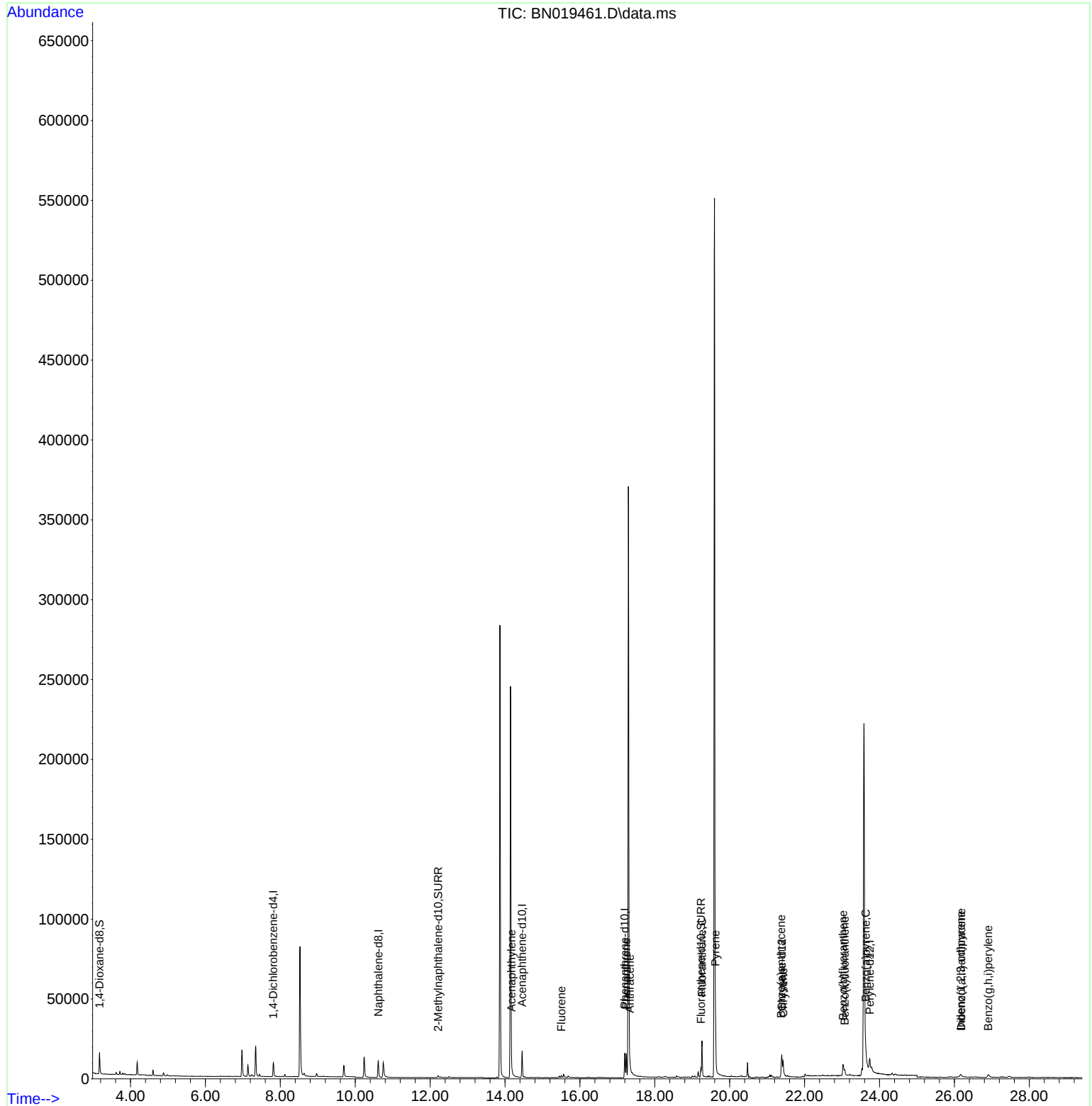
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041522\  
Data File : BN019461.D  
Acq On : 15 Apr 2022 14:14  
Operator : CG/JU  
Sample : N2280-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

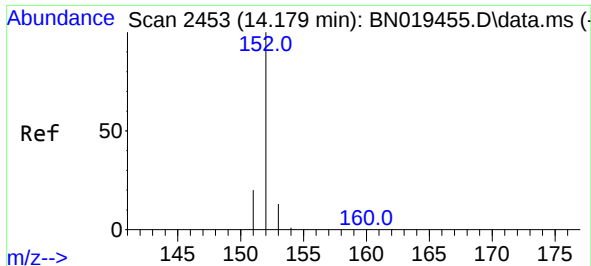
Instrument :  
BNA\_N  
ClientSampleId :  
BFFC2

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022

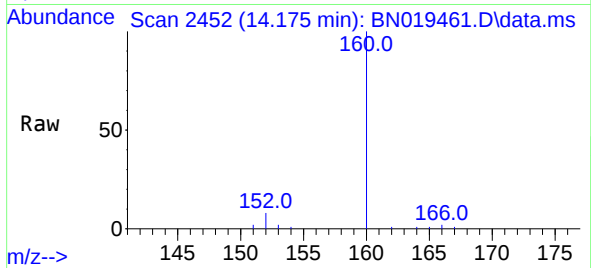
Quant Time: Apr 18 05:02:15 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN041322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 13 14:35:39 2022  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.055 ng/ul  
RT: 14.175 min Scan# 2453  
Delta R.T. -0.009 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

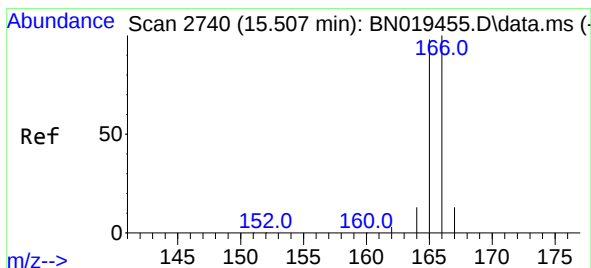
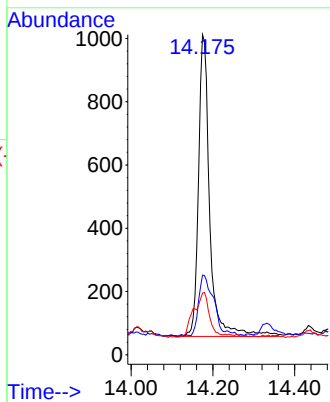
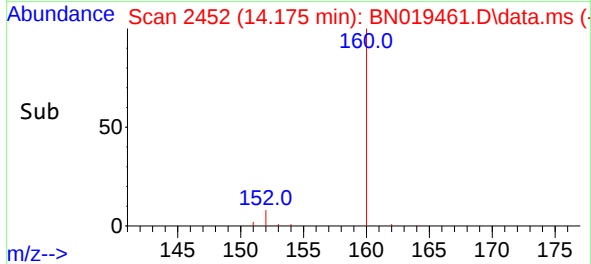
Instrument :  
BNA\_N  
ClientSampleId :  
BFFC2



Tgt Ion:152 Resp: 181  
Ion Ratio Lower Upper  
152 100  
151 24.9 16.3 24.5  
153 19.3 11.1 16.7

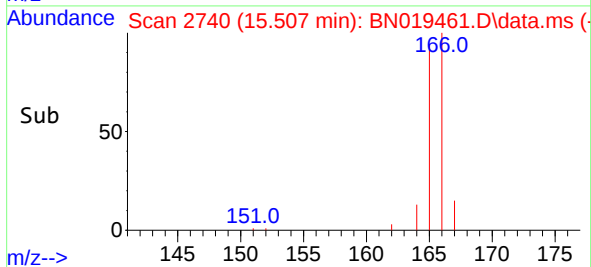
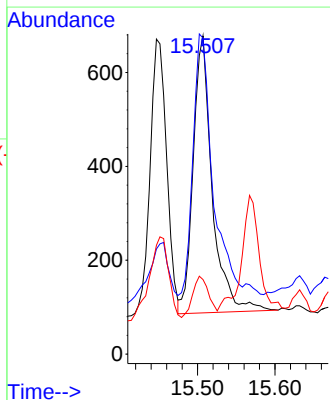
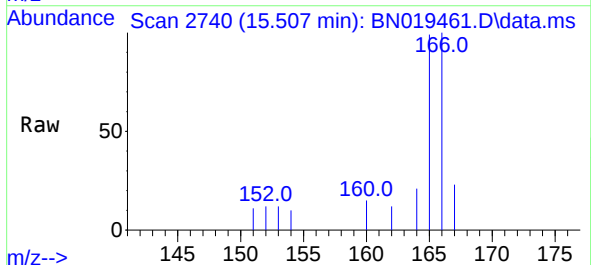
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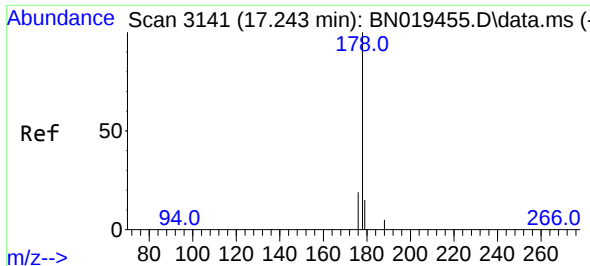
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022



#12  
Fluorene  
Concen: 0.027 ng/ul  
RT: 15.507 min Scan# 2740  
Delta R.T. -0.004 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

Tgt Ion:166 Resp: 1004  
Ion Ratio Lower Upper  
166 100  
165 99.3 78.2 117.2  
167 23.5 11.3 16.9





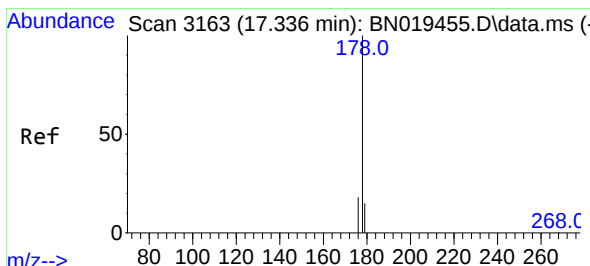
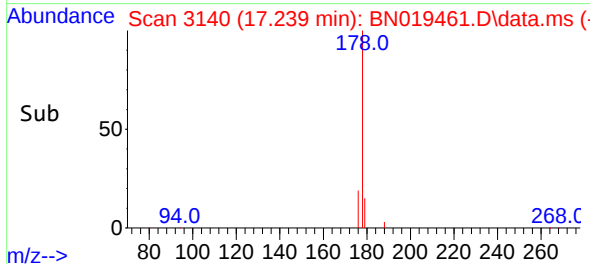
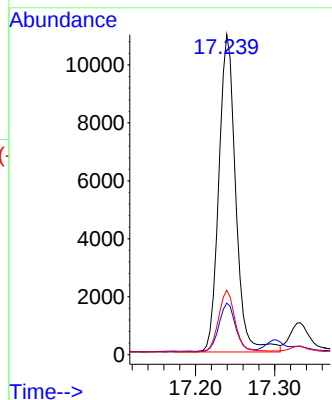
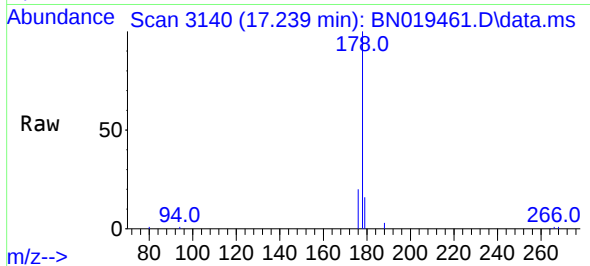
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Phenanthrene  
Concen: 0.262 ng/u1  
RT: 17.239 min Scan# 3141  
Delta R.T. -0.004 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:178 Resp: 16274  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.9 19.3  
176 20.1 15.5 23.3

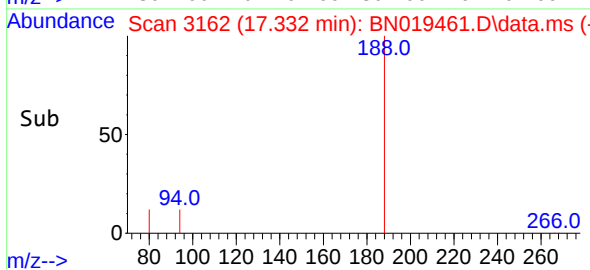
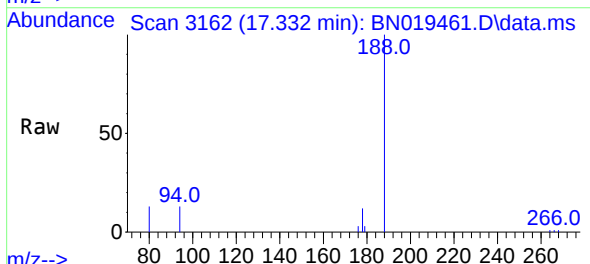
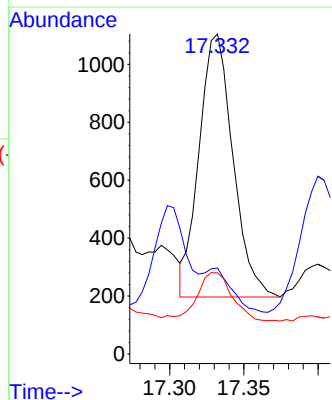
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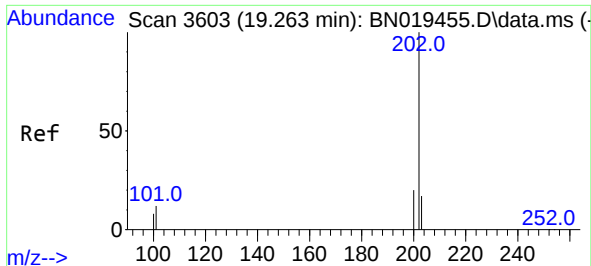
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022



#16  
Anthracene  
Concen: 0.030 ng/u1  
RT: 17.332 min Scan# 3162  
Delta R.T. -0.008 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

Tgt Ion:178 Resp: 1440  
Ion Ratio Lower Upper  
178 100  
179 26.9 13.1 19.7#  
176 25.3 15.3 22.9#





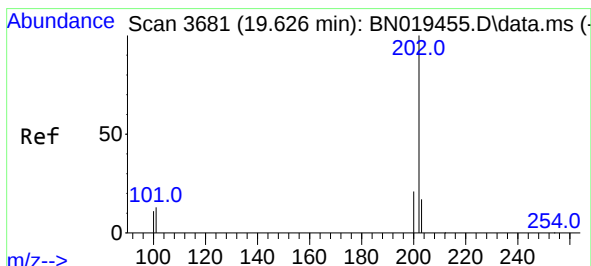
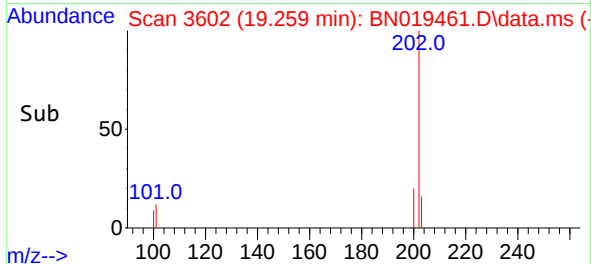
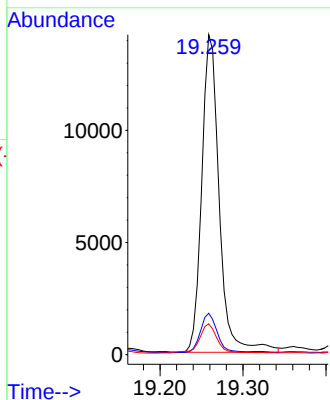
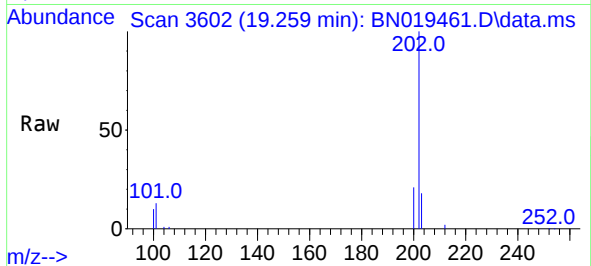
#19  
Fluoranthene  
Concen: 0.314 ng/ul  
RT: 19.259 min Scan# 3602  
Delta R.T. -0.004 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:202 Resp: 2079  
Ion Ratio Lower Upper  
202 100  
101 13.0 9.7 14.5  
100 9.6 7.4 11.2

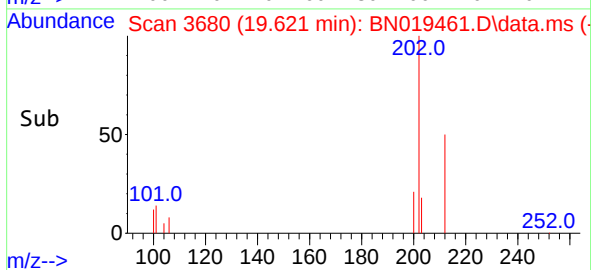
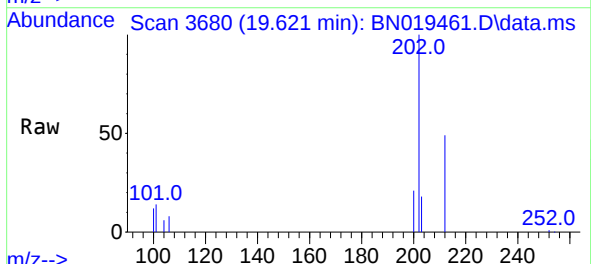
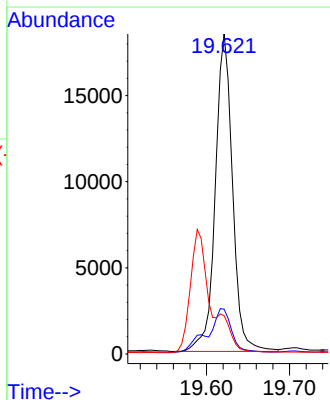
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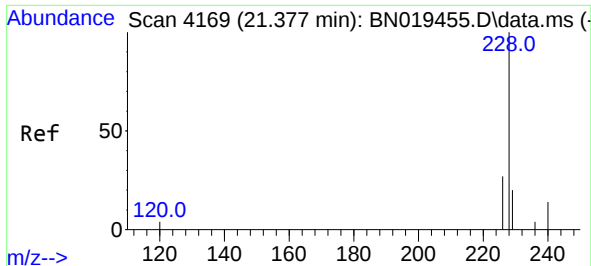
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022



#20  
Pyrene  
Concen: 0.376 ng/ul  
RT: 19.621 min Scan# 3680  
Delta R.T. -0.004 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

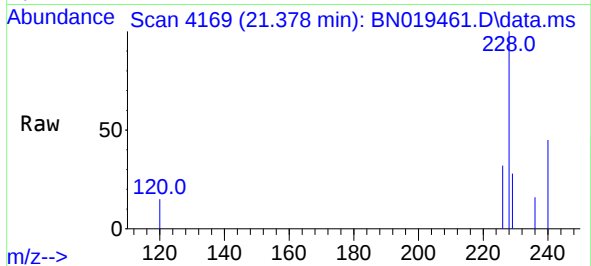
Tgt Ion:202 Resp: 26521  
Ion Ratio Lower Upper  
202 100  
101 14.0 11.4 17.0  
100 12.0 9.0 13.4





#21  
Benzo(a)anthracene  
Concen: 0.150 ng/ul  
RT: 21.378 min Scan# 4169  
Delta R.T. -0.003 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

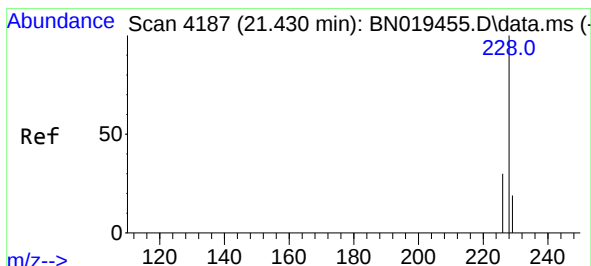
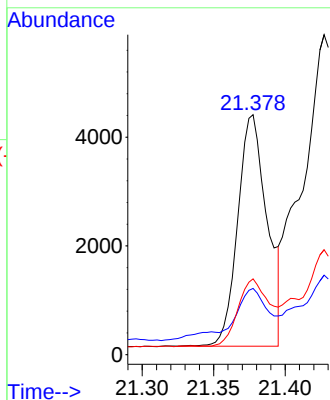
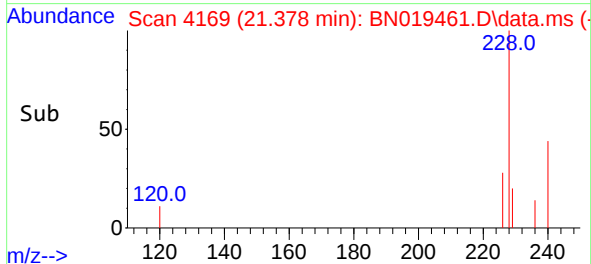
Instrument :  
BNA\_N  
ClientSampleId :  
BFFC2



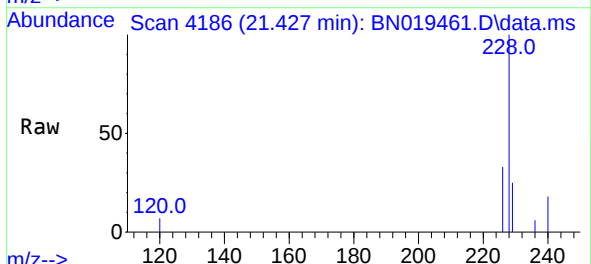
Tgt Ion:228 Resp: 6129  
Ion Ratio Lower Upper  
228 100  
229 27.6 16.1 24.1  
226 31.6 22.1 33.1

Manual Integrations  
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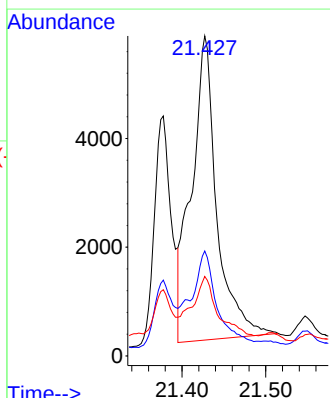
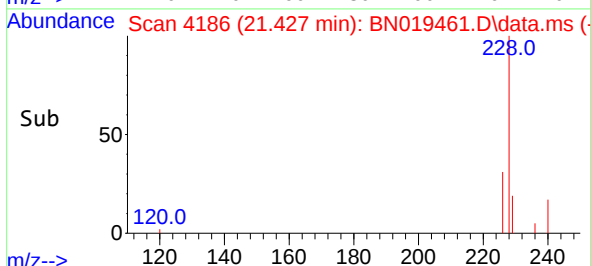
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022

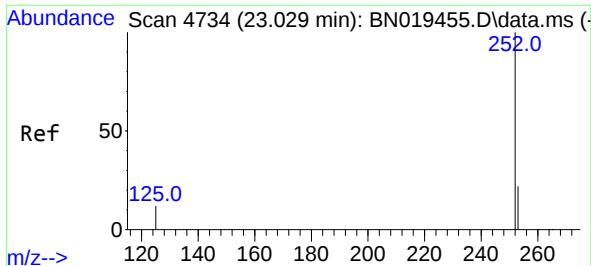


#22  
Chrysene  
Concen: 0.219 ng/ul  
RT: 21.427 min Scan# 4186  
Delta R.T. -0.003 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14



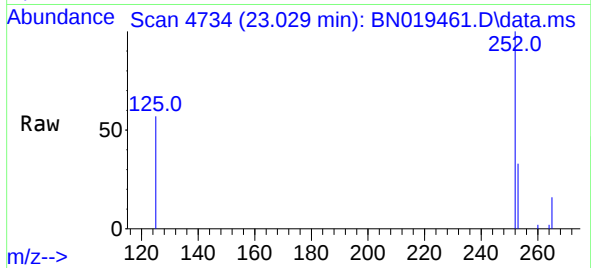
Tgt Ion:228 Resp: 11754  
Ion Ratio Lower Upper  
228 100  
226 32.8 24.2 36.2  
229 24.8 16.0 24.0#





#24  
Benzo(b)fluoranthene  
Concen: 0.283 ng/ul m  
RT: 23.029 min Scan# 4734  
Delta R.T. -0.003 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

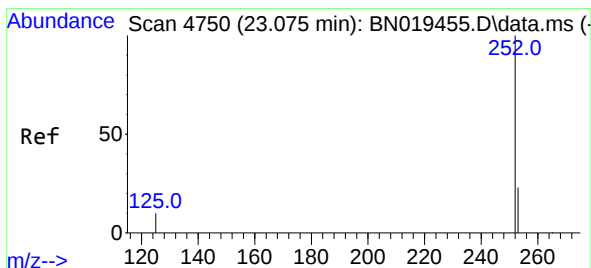
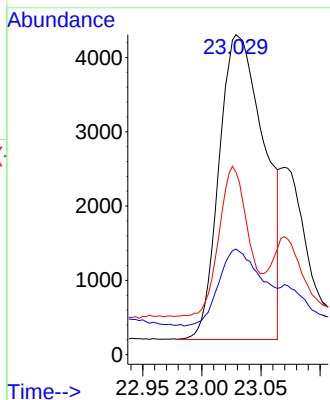
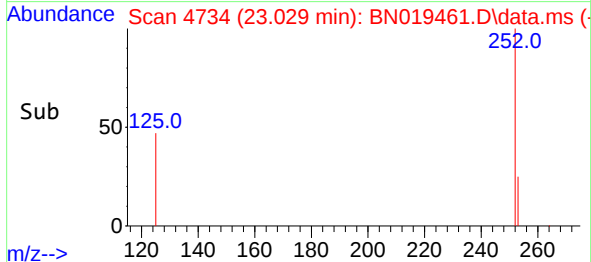
Instrument :  
BNA\_N  
ClientSampleId :  
BFFC2



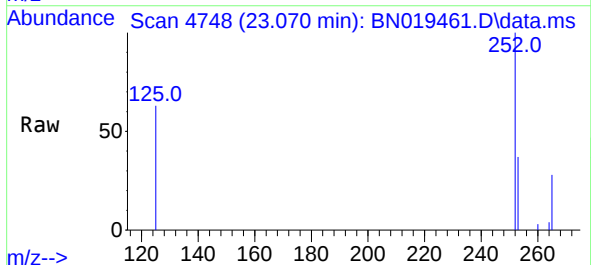
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Ion Ratio Lower Upper  
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125 57.0 0.0 40.2

Manual Integrations  
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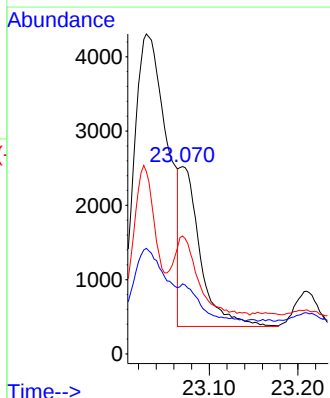
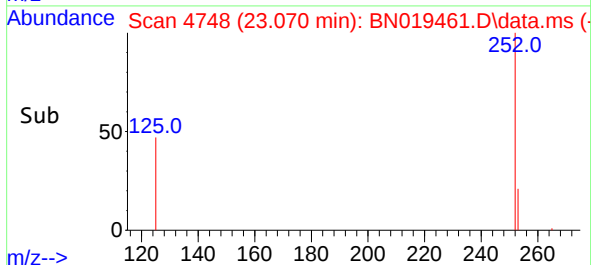
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022

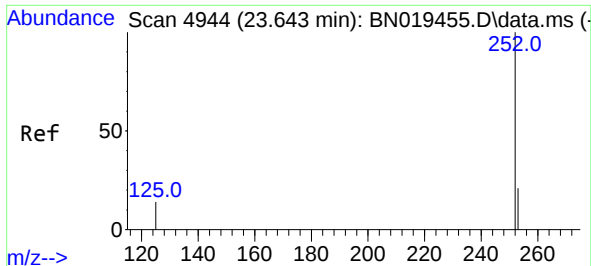


#25  
Benzo(k)fluoranthene  
Concen: 0.080 ng/ul m  
RT: 23.070 min Scan# 4748  
Delta R.T. -0.009 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14



Tgt Ion:252 Resp: 3540  
Ion Ratio Lower Upper  
252 100  
253 37.4 20.2 30.2#  
125 63.0 11.0 16.6#





#26  
Benzo(a)pyrene  
Concen: 0.195 ng/ul  
RT: 23.634 min Scan# 4944  
Delta R.T. -0.012 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

Instrument :

BNA\_N

ClientSampleId :

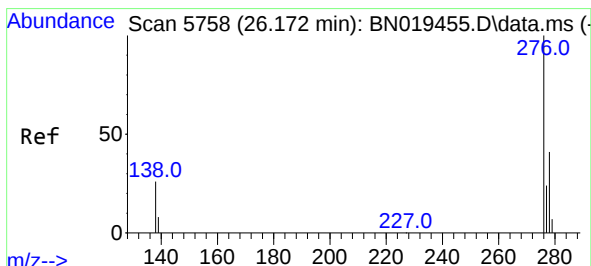
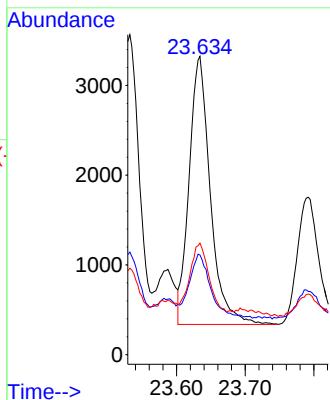
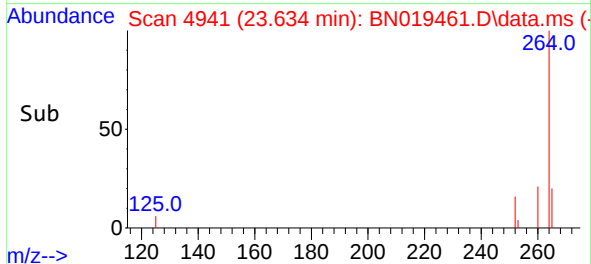
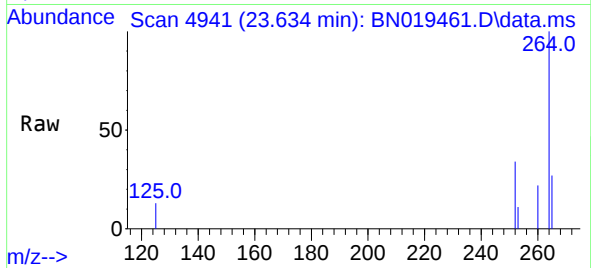
BFFC2

Tgt Ion:252 Resp: 6419  
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125 37.3 28.3 42.5

Manual Integrations

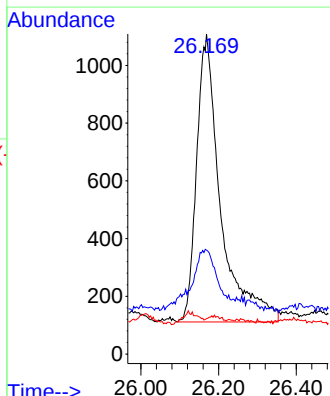
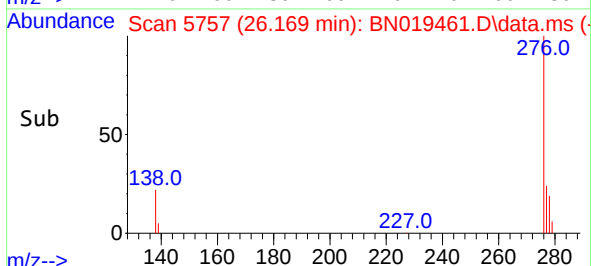
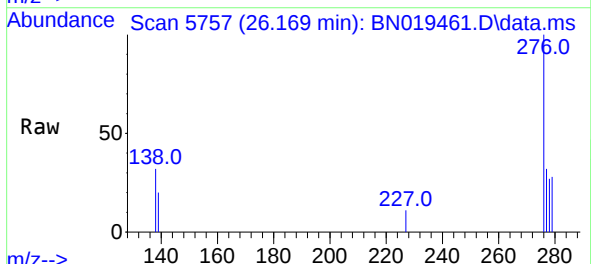
APPROVED

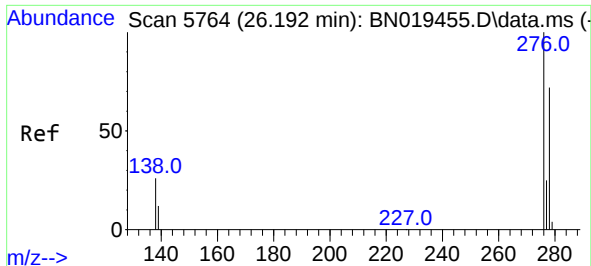
Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.117 ng/ul  
RT: 26.169 min Scan# 5757  
Delta R.T. -0.010 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

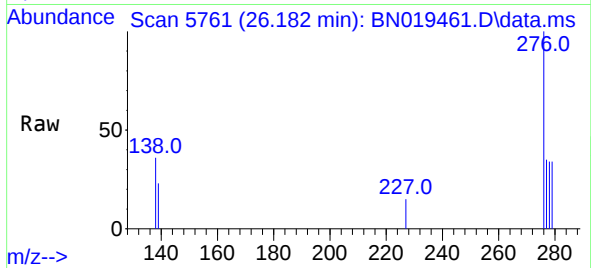
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Ion Ratio Lower Upper  
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227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.033 ng/ul  
RT: 26.182 min Scan# 51  
Delta R.T. -0.017 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14

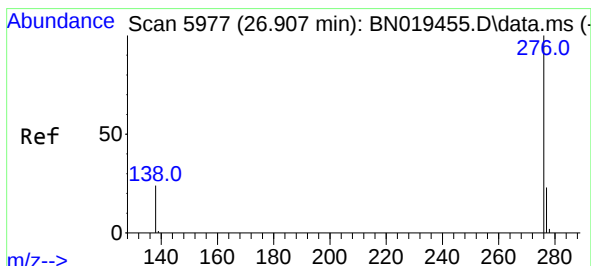
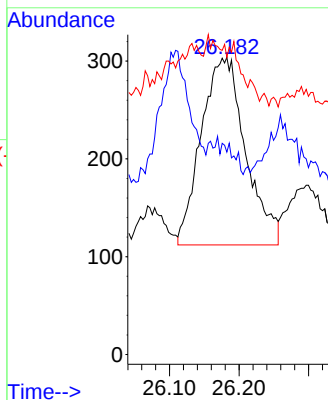
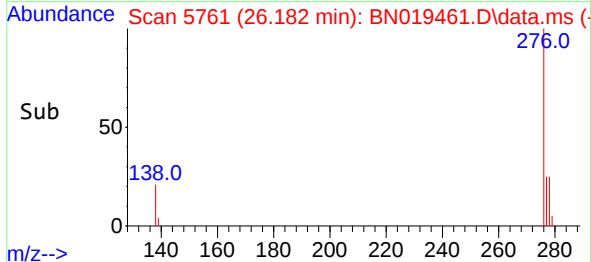
Instrument :  
BNA\_N  
ClientSampleId :  
BFFC2



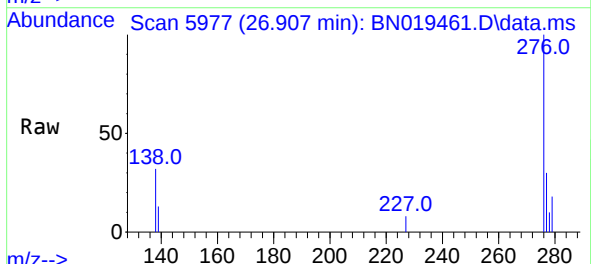
Tgt Ion:278 Resp: 85  
Ion Ratio Lower Upper  
278 100  
139 68.1 18.6 28.0  
279 100.0 35.1 52.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 04/18/2022  
Supervised By :Yogesh Patel 04/18/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.135 ng/ul  
RT: 26.907 min Scan# 5977  
Delta R.T. -0.013 min  
Lab File: BN019461.D  
Acq: 15 Apr 2022 14:14



Tgt Ion:276 Resp: 4777  
Ion Ratio Lower Upper  
276 100  
138 31.5 20.9 31.3  
277 29.9 20.4 30.6

