

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
 Data File : BN019894.D  
 Acq On : 21 May 2022 06:48  
 Operator : CG/JU  
 Sample : N2843-01  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4H3

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022

Quant Time: May 26 05:18:03 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 : Tue May 17 01:41:05 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.851  | 152  | 4195     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.638 | 136  | 14007    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.473 | 164  | 8707     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.211 | 188  | 18075    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.397 | 240  | 14073    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.738 | 264  | 10448    | 0.400 | ng/ul # | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.315  | 96   | 10766    | 2.168 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.227 | 152  | 3982     | 0.188 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.237 | 212  | 9818     | 0.220 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.687 | 128  | 13723    | 0.303 | ng/ul   | 99       |
| 7) 2-Methylnaphthalene      | 12.299 | 142  | 18410    | 0.666 | ng/ul#  | 100      |
| 8) 1-Methylnaphthalene      | 12.519 | 142  | 14628    | 0.572 | ng/ul#  | 100      |
| 10) Acenaphthylene          | 14.191 | 152  | 8107     | 0.188 | ng/ul#  | 88       |
| 11) Acenaphthene            | 14.533 | 153  | 6044     | 0.175 | ng/ul   | 97       |
| 12) Fluorene                | 15.518 | 166  | 4415     | 0.116 | ng/ul#  | 94       |
| 15) Phenanthrene            | 17.249 | 178  | 107272   | 1.613 | ng/ul   | 99       |
| 16) Anthracene              | 17.342 | 178  | 20922    | 0.386 | ng/ul   | 100      |
| 19) Fluoranthene            | 19.270 | 202  | 253099   | 3.929 | ng/ul   | 97       |
| 20) Pyrene                  | 19.632 | 202  | 222771   | 3.465 | ng/ul   | 97       |
| 21) Benzo(a)anthracene      | 21.382 | 228  | 122429   | 2.328 | ng/ul   | 96       |
| 22) Chrysene                | 21.435 | 228  | 137262   | 2.215 | ng/ul   | 96       |
| 24) Benzo(b)fluoranthene    | 23.033 | 252  | 172633m  | 3.256 | ng/ul   |          |
| 25) Benzo(k)fluoranthene    | 23.074 | 252  | 58784m   | 1.151 | ng/ul   |          |
| 26) Benzo(a)pyrene          | 23.636 | 252  | 121271   | 2.685 | ng/ul#  | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.141 | 276  | 91364    | 1.622 | ng/ul#  | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.154 | 278  | 20376    | 0.433 | ng/ul#  | 75       |
| 29) Benzo(g,h,i)perylene    | 26.885 | 276  | 81038    | 1.574 | ng/ul   | 94       |
| -----                       |        |      |          |       |         |          |

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

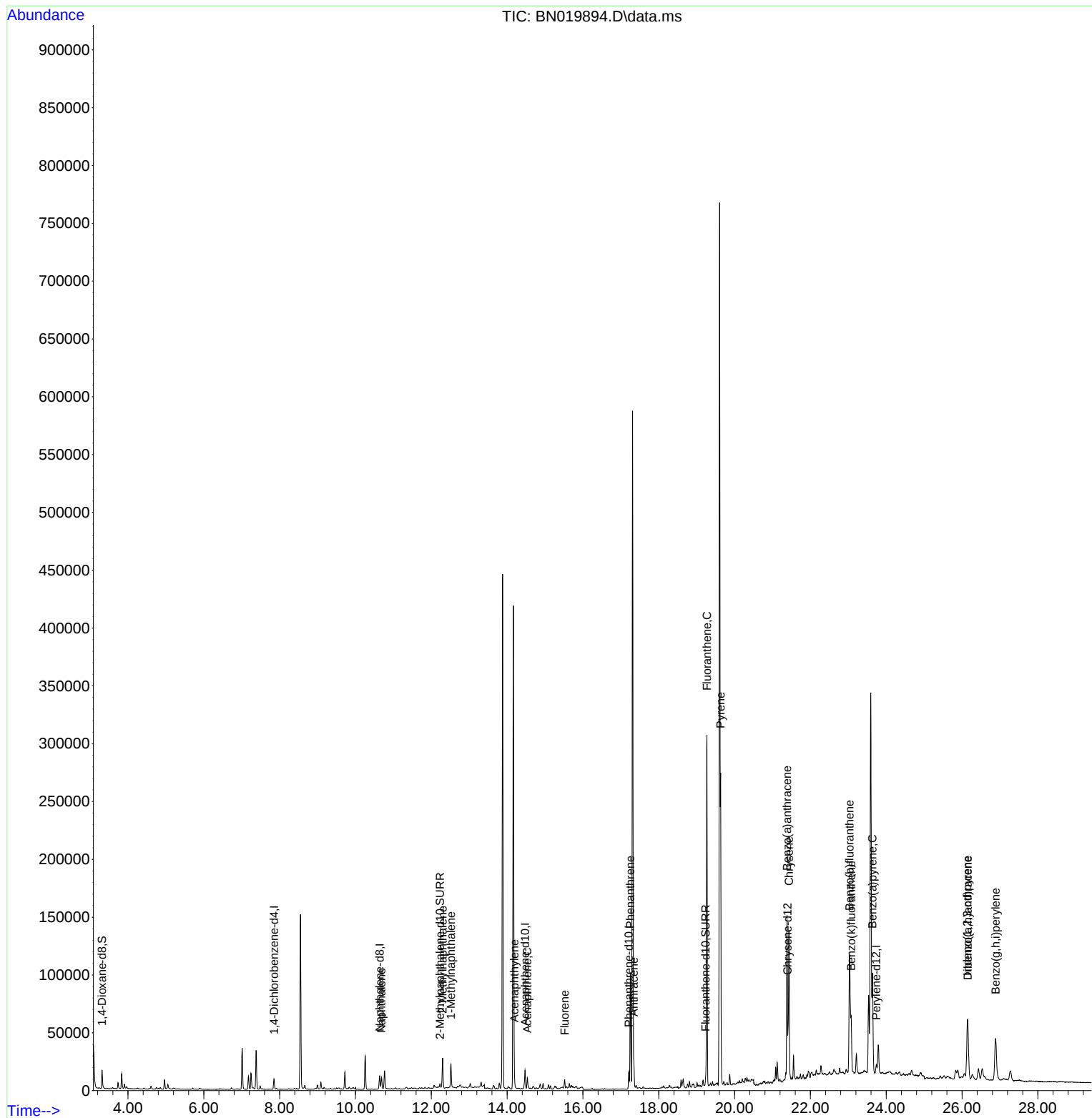
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
Data File : BN019894.D  
Acq On : 21 May 2022 06:48  
Operator : CG/JU  
Sample : N2843-01  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

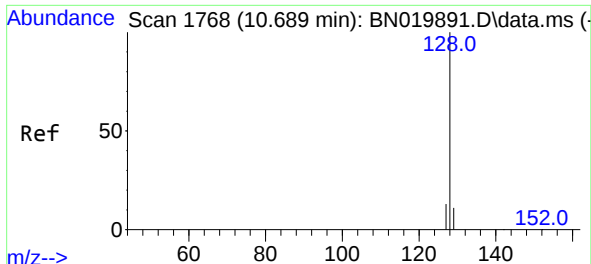
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3

Manual Integrations  
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Supervised By :mohammad ahmed 05/27/2022

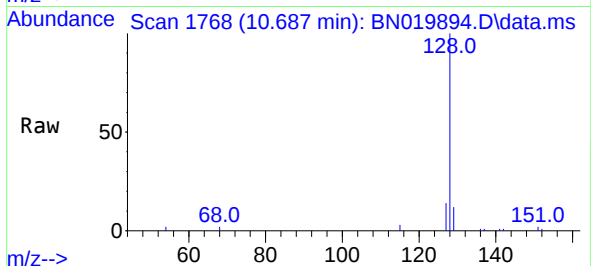
Quant Time: May 26 05:18:03 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.303 ng/ul  
RT: 10.687 min Scan# 1768  
Delta R.T. -0.007 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

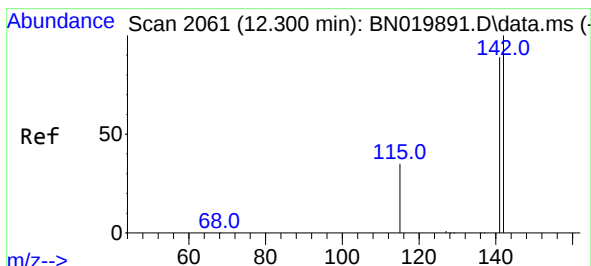
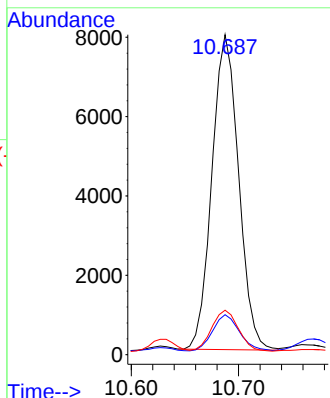
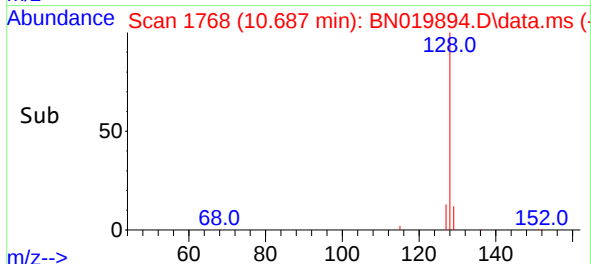
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



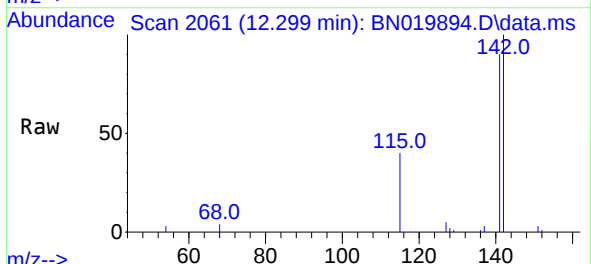
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Ion Ratio Lower Upper  
128 100  
129 12.5 9.5 14.3  
127 13.9 11.0 16.4

Manual Integrations  
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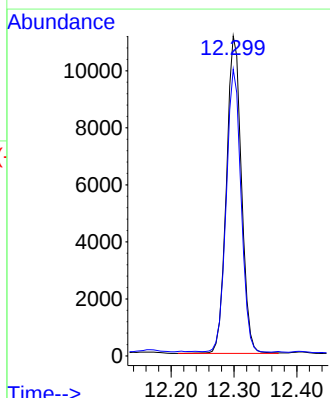
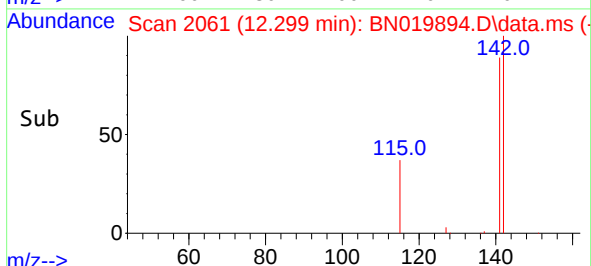
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

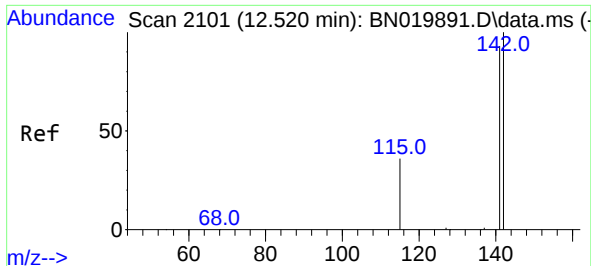


#7  
2-Methylnaphthalene  
Concen: 0.666 ng/ul  
RT: 12.299 min Scan# 2061  
Delta R.T. -0.007 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



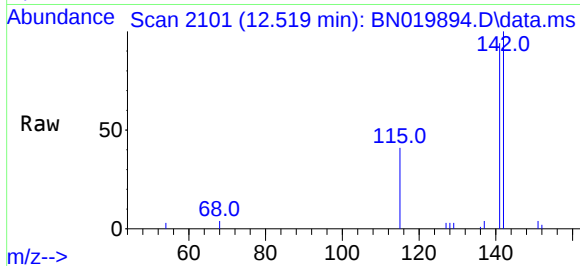
Tgt Ion:142 Resp: 18410  
Ion Ratio Lower Upper  
142 100  
141 88.1 0.0 0.0#





#8  
1-Methylnaphthalene  
Concen: 0.572 ng/u1  
RT: 12.519 min Scan# 2101  
Delta R.T. -0.007 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

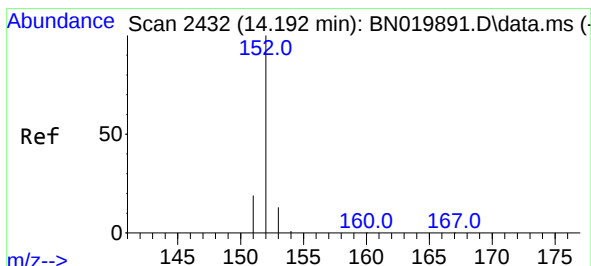
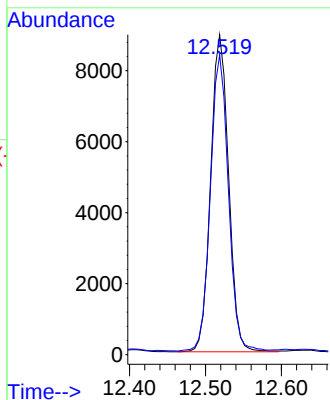
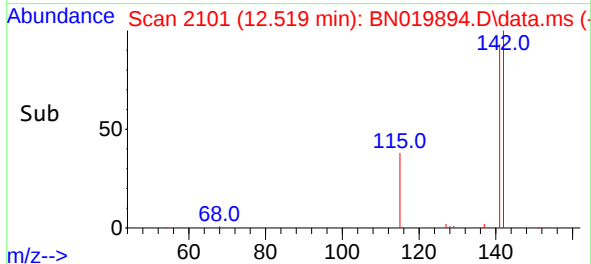
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



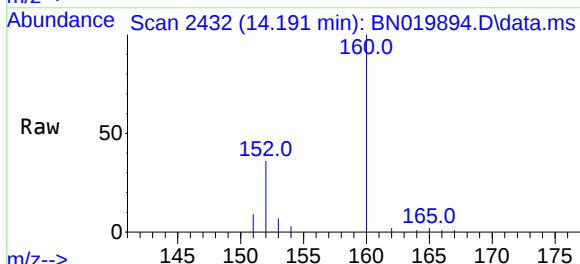
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Ion Ratio Lower Upper  
142 100  
141 93.5 0.0 0.0

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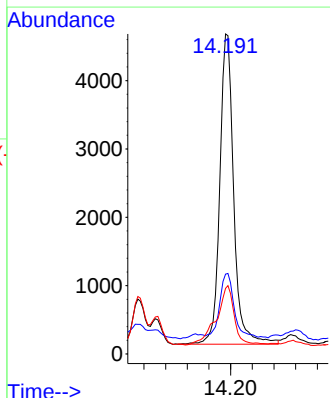
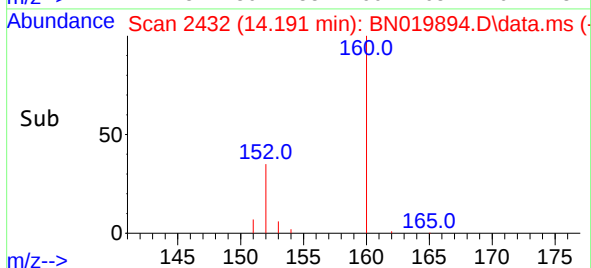
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

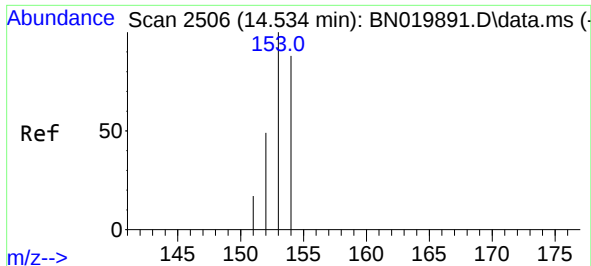


#10  
Acenaphthylene  
Concen: 0.188 ng/u1  
RT: 14.191 min Scan# 2432  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



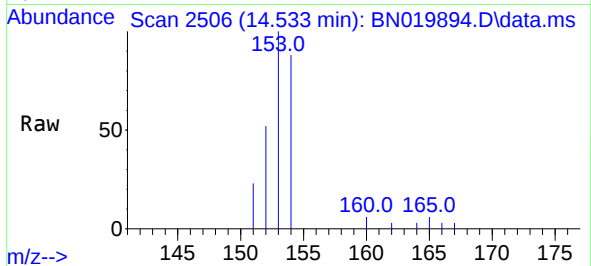
Tgt Ion:152 Resp: 8107  
Ion Ratio Lower Upper  
152 100  
151 25.0 16.3 24.5#  
153 20.5 11.1 16.7#





#11  
Acenaphthene  
Concen: 0.175 ng/ul  
RT: 14.533 min Scan# 2506  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

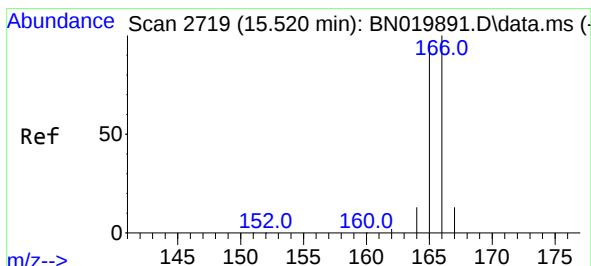
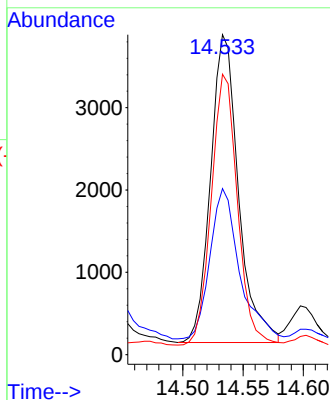
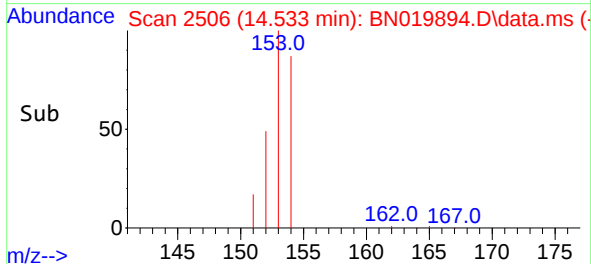
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



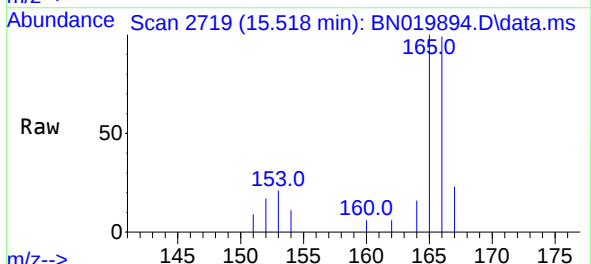
Tgt Ion:153 Resp: 6044  
Ion Ratio Lower Upper  
153 100  
152 51.9 38.6 57.8  
154 87.6 71.2 106.8

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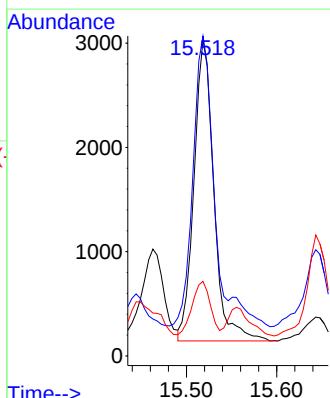
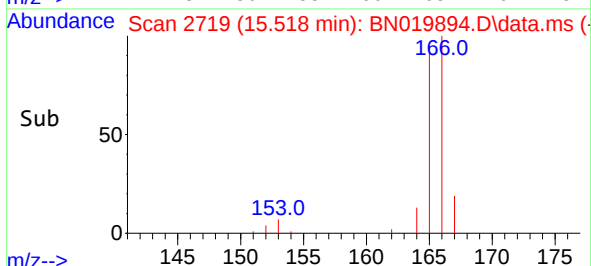
Reviewed By :Jagrut Upadhyay 05/26/2022  
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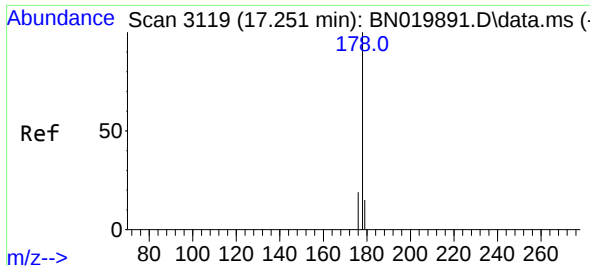


#12  
Fluorene  
Concen: 0.116 ng/ul  
RT: 15.518 min Scan# 2719  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



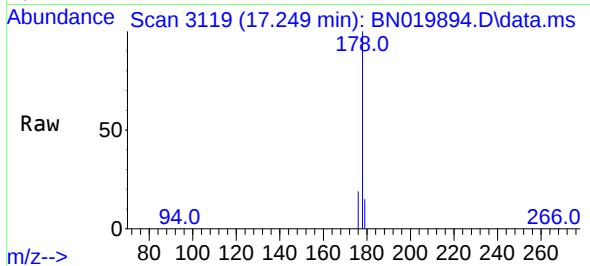
Tgt Ion:166 Resp: 4415  
Ion Ratio Lower Upper  
166 100  
165 101.3 78.2 117.2  
167 23.6 11.3 16.9#





#15  
Phenanthrene  
Concen: 1.613 ng/ul  
RT: 17.249 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

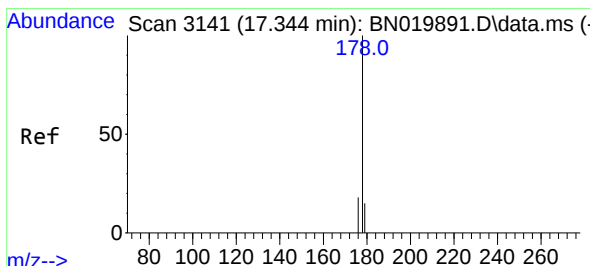
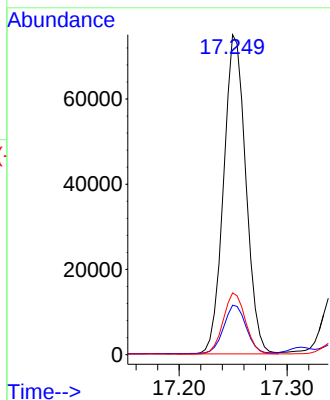
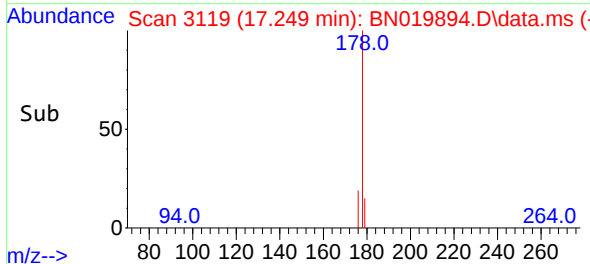
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



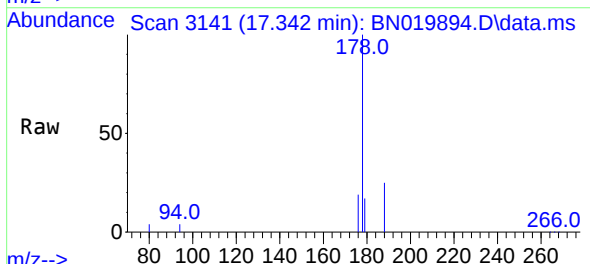
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Ion Ratio Lower Upper  
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176 19.3 15.5 23.3

Manual Integrations  
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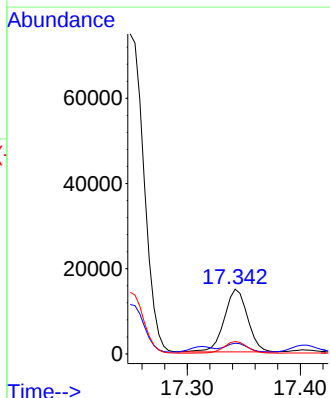
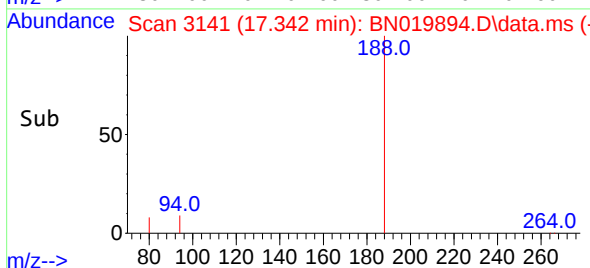
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

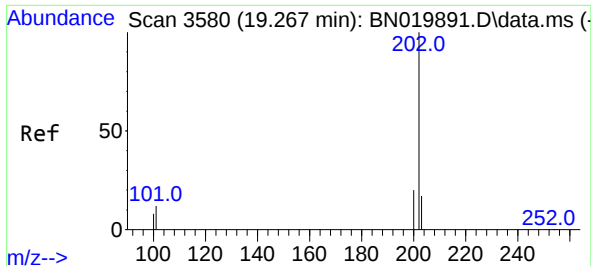


#16  
Anthracene  
Concen: 0.386 ng/ul  
RT: 17.342 min Scan# 3141  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



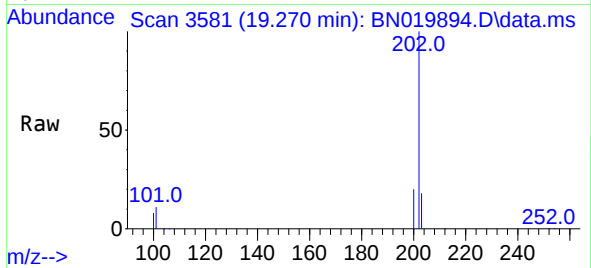
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Ion Ratio Lower Upper  
178 100  
179 16.6 13.1 19.7  
176 19.3 15.3 22.9





#19  
Fluoranthene  
Concen: 3.929 ng/u1  
RT: 19.270 min Scan# 3580  
Delta R.T. -0.002 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

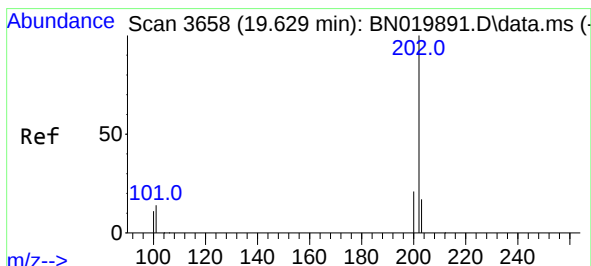
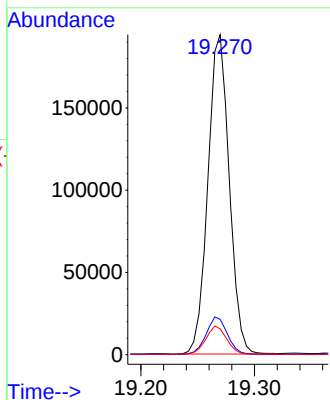
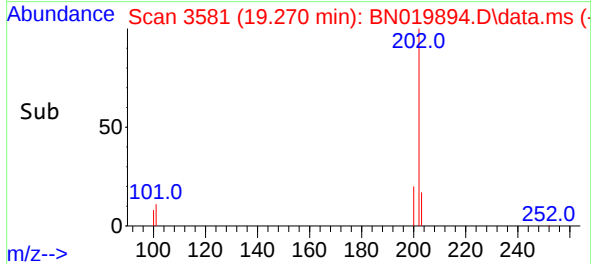
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



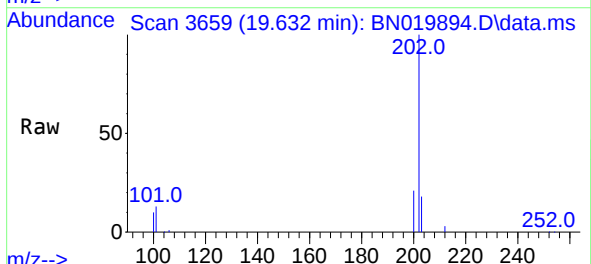
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Ion Ratio Lower Upper  
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100 8.1 7.4 11.2

Manual Integrations  
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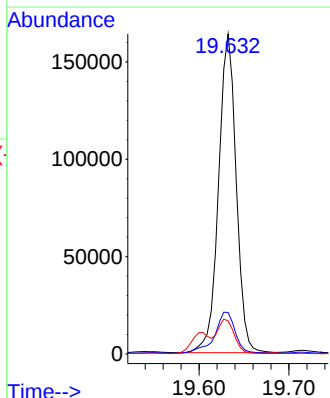
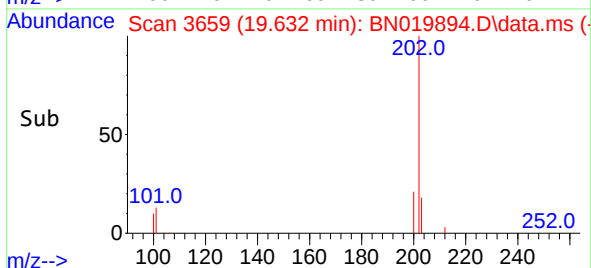
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

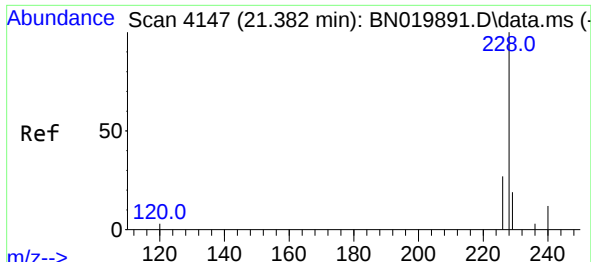


#20  
Pyrene  
Concen: 3.465 ng/u1  
RT: 19.632 min Scan# 3659  
Delta R.T. -0.002 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



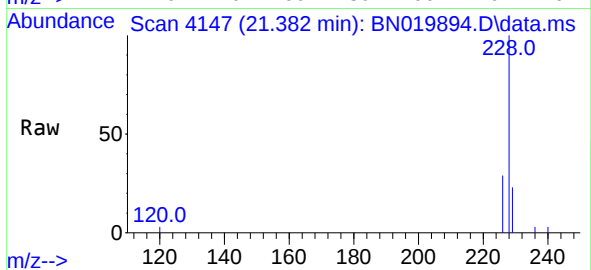
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Ion Ratio Lower Upper  
202 100  
101 12.9 11.4 17.0  
100 10.4 9.0 13.4





#21  
Benzo(a)anthracene  
Concen: 2.328 ng/ul  
RT: 21.382 min Scan# 4147  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

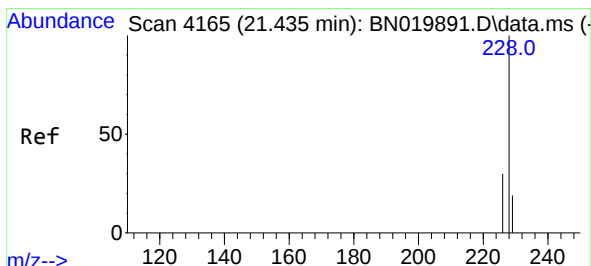
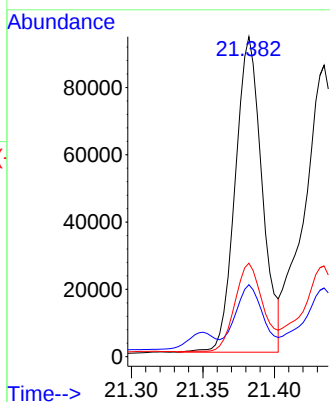
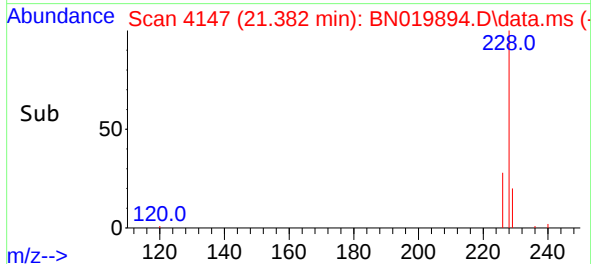
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



Tgt Ion:228 Resp: 122429  
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229 22.5 16.1 24.1  
226 29.2 22.1 33.1

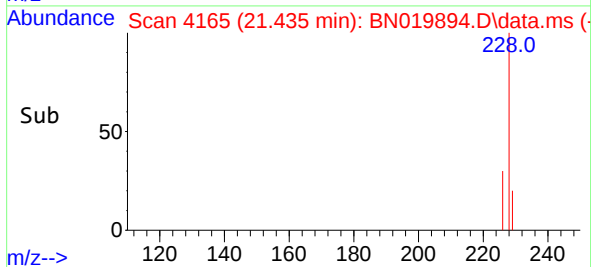
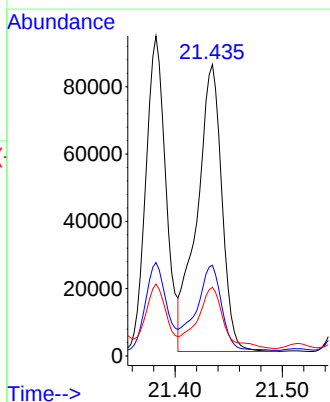
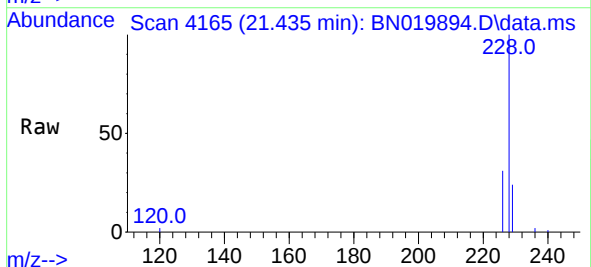
Manual Integrations  
APPROVED

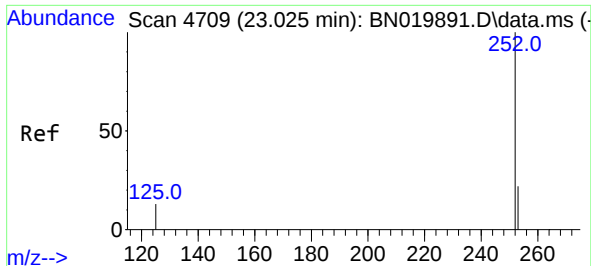
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



#22  
Chrysene  
Concen: 2.215 ng/ul  
RT: 21.435 min Scan# 4165  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

Tgt Ion:228 Resp: 137262  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.2 36.2  
229 23.6 16.0 24.0





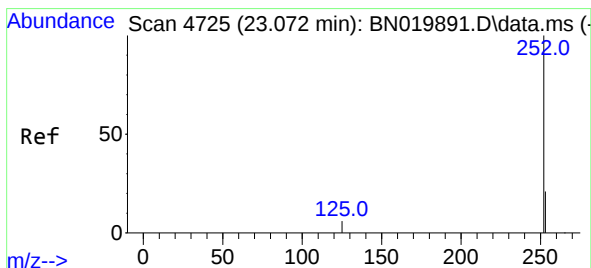
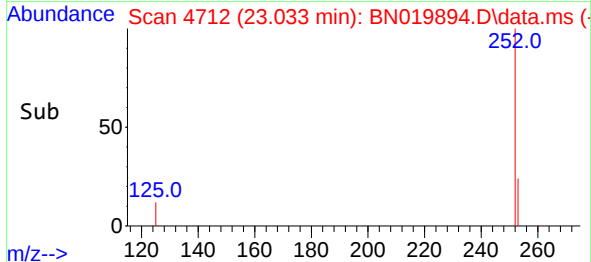
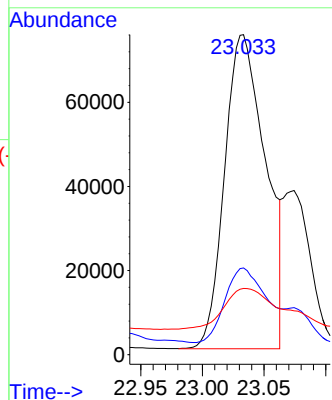
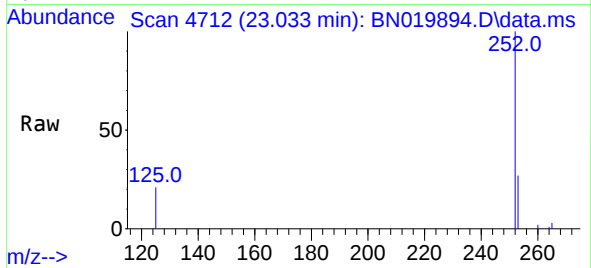
#24  
Benzo(b)fluoranthene  
Concen: 3.256 ng/ul m  
RT: 23.033 min Scan# 4712  
Delta R.T. -0.000 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3

Tgt Ion:252 Resp: 17263  
Ion Ratio Lower Upper  
252 100  
253 27.1 0.0 52.0  
125 20.7 0.0 40.2

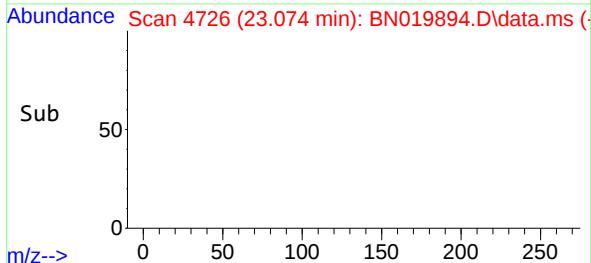
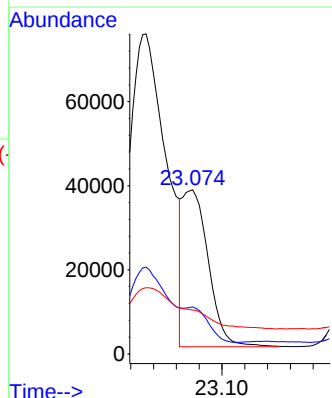
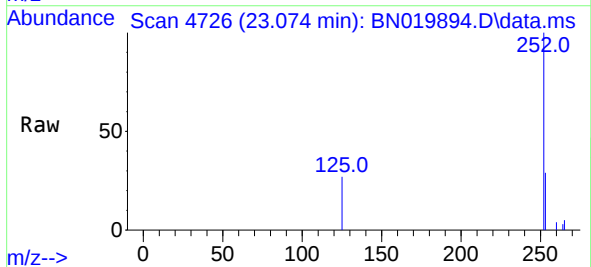
Manual Integrations  
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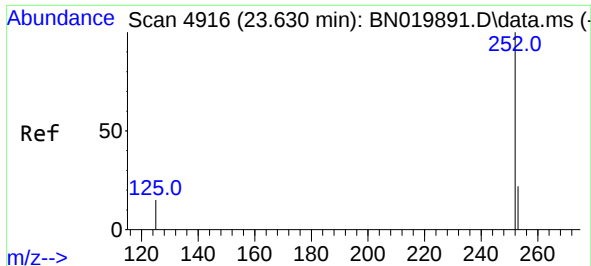
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



#25  
Benzo(k)fluoranthene  
Concen: 1.151 ng/ul m  
RT: 23.074 min Scan# 4726  
Delta R.T. -0.006 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

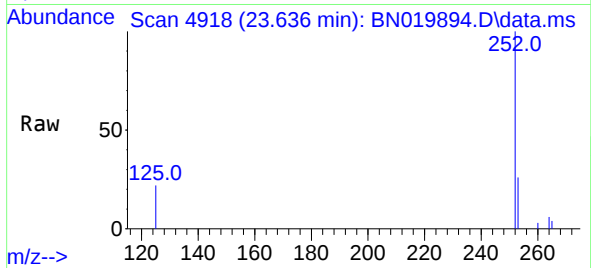
Tgt Ion:252 Resp: 58784  
Ion Ratio Lower Upper  
252 100  
253 28.7 20.2 30.2  
125 26.8 11.0 16.6#





#26  
Benzo(a)pyrene  
Concen: 2.685 ng/ul  
RT: 23.636 min Scan# 4916  
Delta R.T. -0.003 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

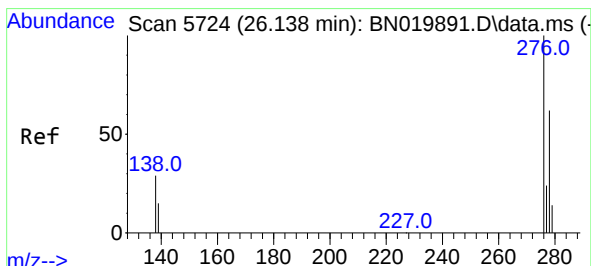
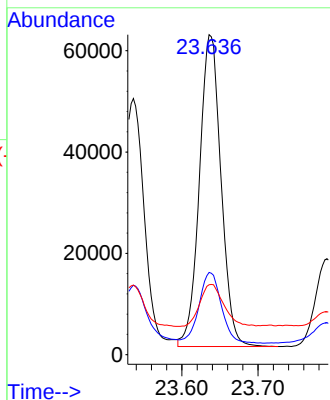
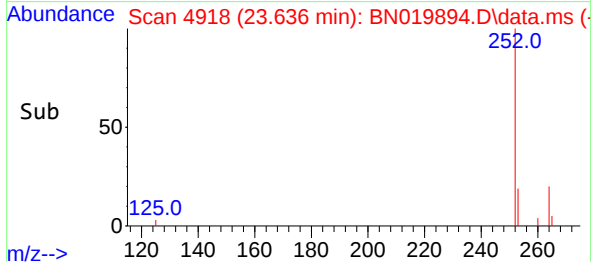
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



Tgt Ion:252 Resp: 12127  
Ion Ratio Lower Upper  
252 100  
253 25.7 23.4 35.0  
125 21.9 28.3 42.5

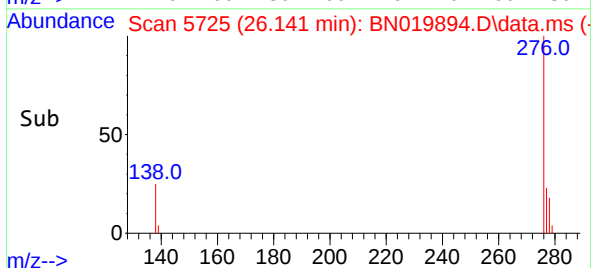
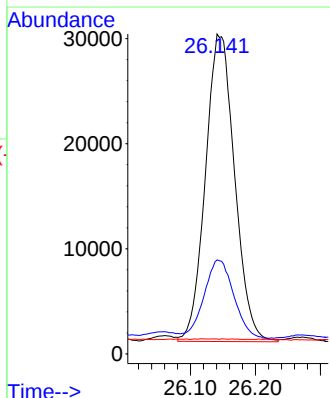
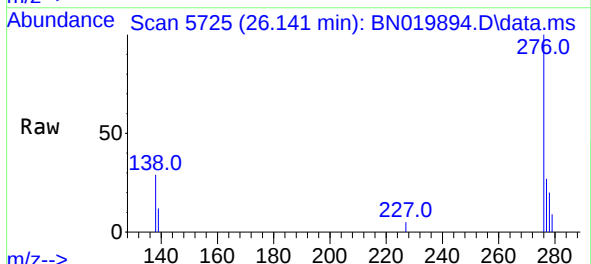
Manual Integrations  
APPROVED

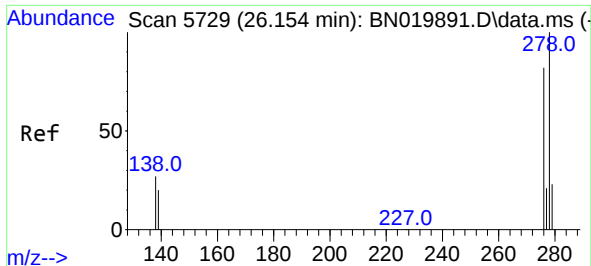
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.622 ng/ul  
RT: 26.141 min Scan# 5725  
Delta R.T. -0.007 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

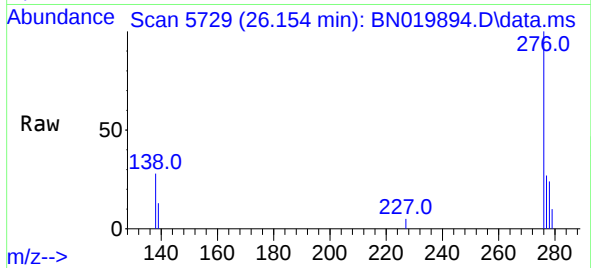
Tgt Ion:276 Resp: 91364  
Ion Ratio Lower Upper  
276 100  
138 25.9 23.6 35.4  
227 0.1 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.433 ng/ul  
RT: 26.154 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48

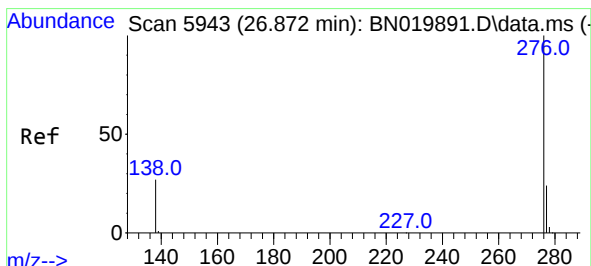
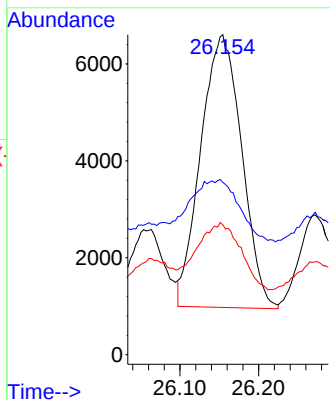
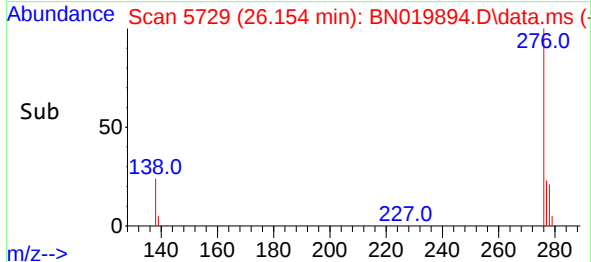
Instrument :  
BNA\_N  
ClientSampleId :  
EW4H3



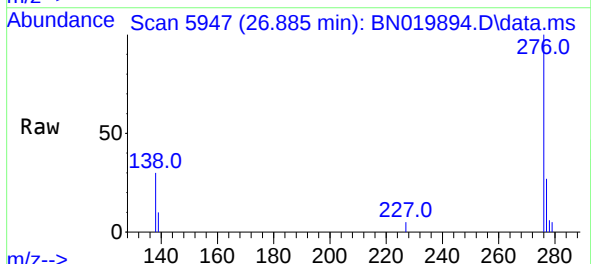
Tgt Ion:278 Resp: 20370  
Ion Ratio Lower Upper  
278 100  
139 53.8 18.6 28.0  
279 40.6 35.1 52.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



#29  
Benzo(g,h,i)perylene  
Concen: 1.574 ng/ul  
RT: 26.885 min Scan# 5947  
Delta R.T. 0.007 min  
Lab File: BN019894.D  
Acq: 21 May 2022 06:48



Tgt Ion:276 Resp: 81038  
Ion Ratio Lower Upper  
276 100  
138 30.2 20.9 31.3  
277 27.2 20.4 30.6

