

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102822\  
 Data File : BN022360.D  
 Acq On : 27 Oct 2022 13:44  
 Operator : CG/JU  
 Sample : N5015-15DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C1BF3DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/28/2022  
 Supervised By :mohammad ahmed 10/31/2022

Quant Time: Oct 28 01:54:01 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 22 03:40:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.940  | 152  | 4352     | 0.400 | ng/u1  | 0.00     |
| 4) Naphthalene-d8           | 10.765 | 136  | 12896    | 0.400 | ng/u1  | 0.00     |
| 9) Acenaphthene-d10         | 14.613 | 164  | 5676     | 0.400 | ng/u1  | 0.00     |
| 13) Phenanthrene-d10        | 17.369 | 188  | 10049    | 0.400 | ng/u1  | 0.00     |
| 17) Chrysene-d12            | 21.573 | 240  | 7139     | 0.400 | ng/u1  | # 0.00   |
| 23) Perylene-d12            | 24.028 | 264  | 7220     | 0.400 | ng/u1  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.253  | 96   | 5753     | 1.017 | ng/u1  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.366 | 152  | 1162     | 0.060 | ng/u1  | 0.00     |
| 18) Fluoranthene-d10        | 19.405 | 212  | 1735     | 0.072 | ng/u1  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.335 | 152  | 6921     | 0.272 | ng/u1  | 98       |
| 12) Fluorene                | 15.663 | 166  | 1347     | 0.054 | ng/u1# | 95       |
| 15) Phenanthrene            | 17.411 | 178  | 30862    | 0.915 | ng/u1  | 100      |
| 16) Anthracene              | 17.504 | 178  | 8023     | 0.282 | ng/u1  | 98       |
| 19) Fluoranthene            | 19.433 | 202  | 75613    | 2.312 | ng/u1  | 100      |
| 20) Pyrene                  | 19.801 | 202  | 60194    | 1.832 | ng/u1  | 98       |
| 21) Benzo(a)anthracene      | 21.555 | 228  | 31254    | 1.168 | ng/u1  | 95       |
| 22) Chrysene                | 21.608 | 228  | 28362    | 1.000 | ng/u1  | 95       |
| 24) Benzo(b)fluoranthene    | 23.277 | 252  | 41320m   | 1.140 | ng/u1  |          |
| 25) Benzo(k)fluoranthene    | 23.321 | 252  | 14671m   | 0.416 | ng/u1  |          |
| 26) Benzo(a)pyrene          | 23.920 | 252  | 28882    | 0.999 | ng/u1  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.608 | 276  | 21904    | 0.610 | ng/u1# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.622 | 278  | 5077     | 0.177 | ng/u1# | 66       |
| 29) Benzo(g,h,i)perylene    | 27.406 | 276  | 20241    | 0.691 | ng/u1  | 96       |
| -----                       |        |      |          |       |        |          |

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

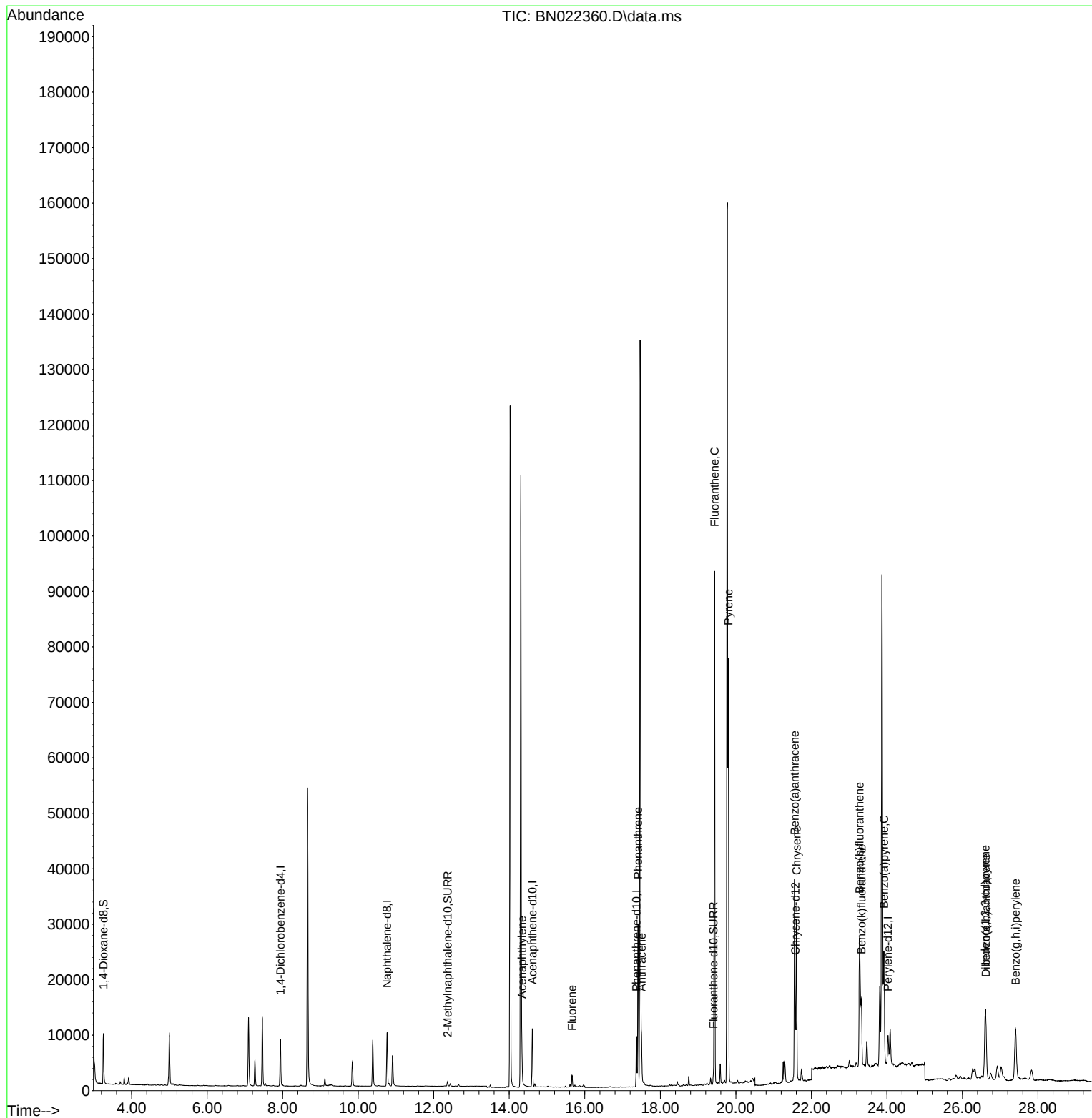
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102822\  
Data File : BN022360.D  
Acq On : 27 Oct 2022 13:44  
Operator : CG/JU  
Sample : N5015-15DL 5X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

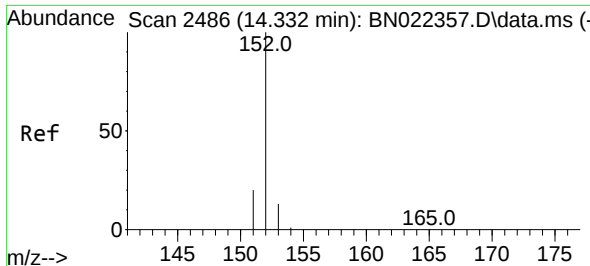
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022

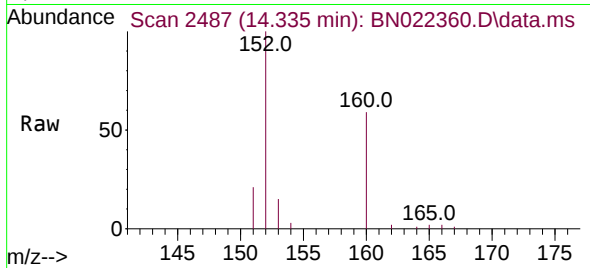
Quant Time: Oct 28 01:54:01 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 22 03:40:14 2022  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.272 ng/ul  
RT: 14.335 min Scan# 2486  
Delta R.T. -0.006 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

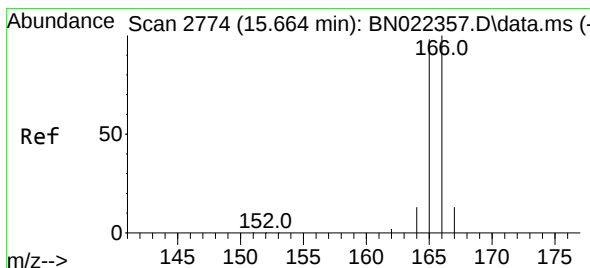
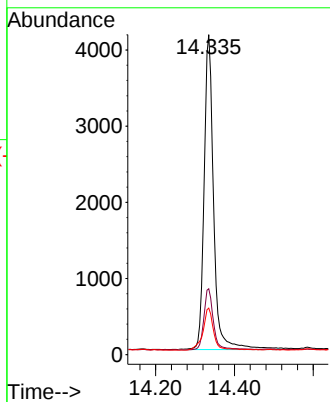
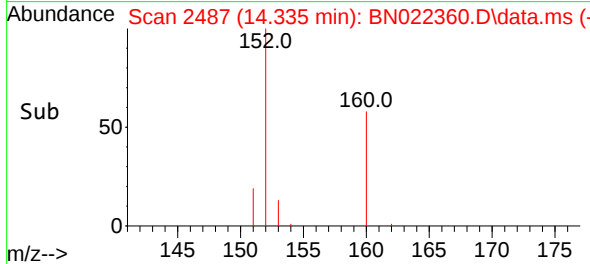
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



Tgt Ion:152 Resp: 6921  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.9 23.9  
153 14.5 10.8 16.2

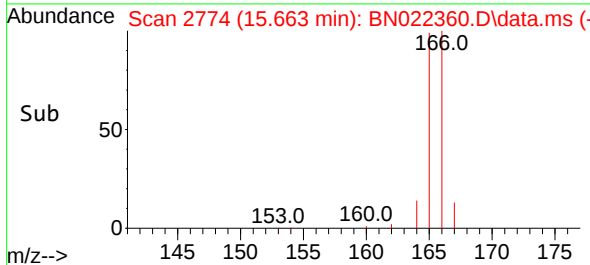
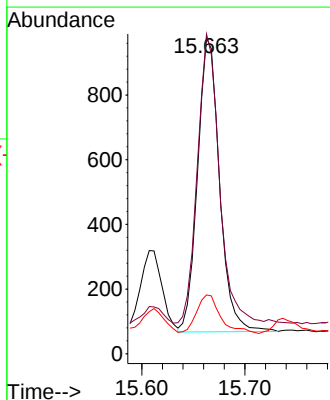
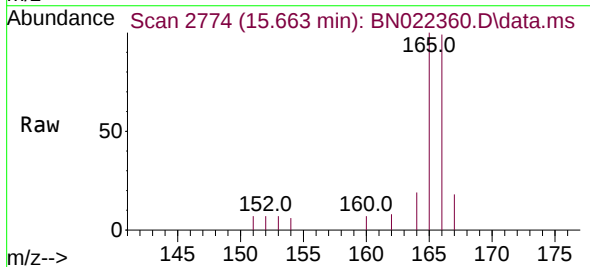
Manual Integrations  
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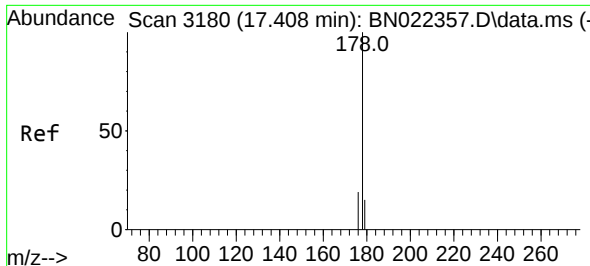
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022



#12  
Fluorene  
Concen: 0.054 ng/ul  
RT: 15.663 min Scan# 2774  
Delta R.T. -0.011 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

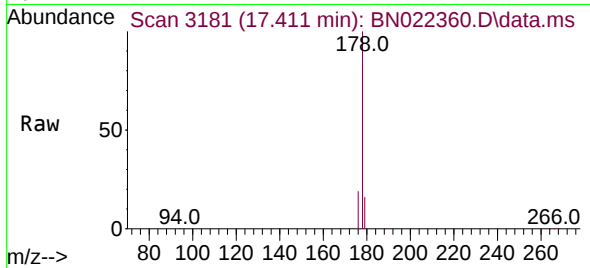
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Ion Ratio Lower Upper  
166 100  
165 101.2 78.2 117.2  
167 18.6 11.0 16.4#





#15  
Phenanthrene  
Concen: 0.915 ng/ul  
RT: 17.411 min Scan# 3181  
Delta R.T. -0.006 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

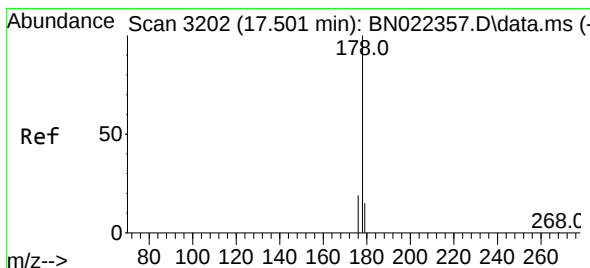
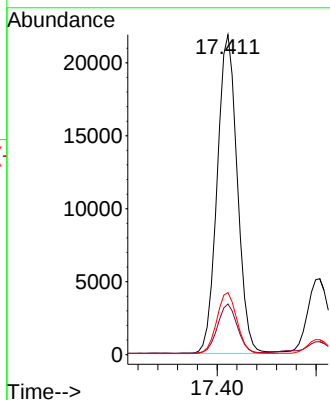
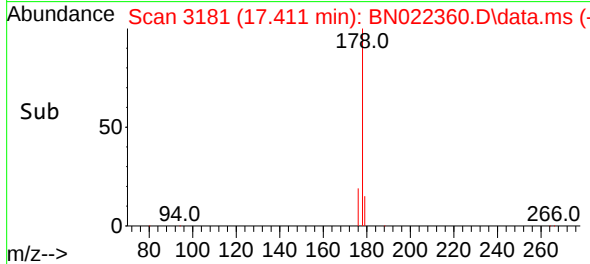
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



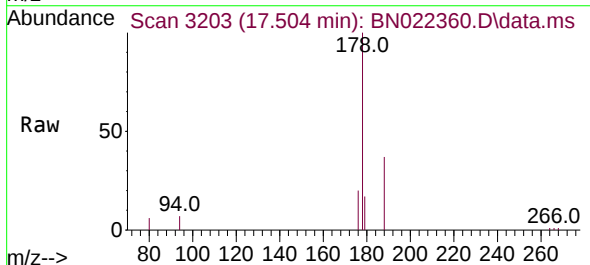
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Ion Ratio Lower Upper  
178 100  
179 15.8 12.7 19.1  
176 19.4 15.4 23.2

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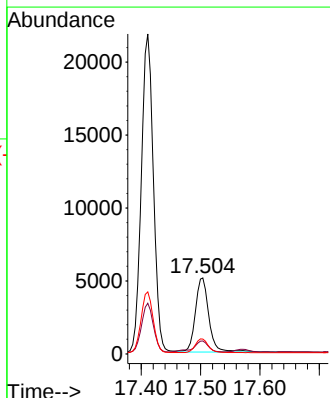
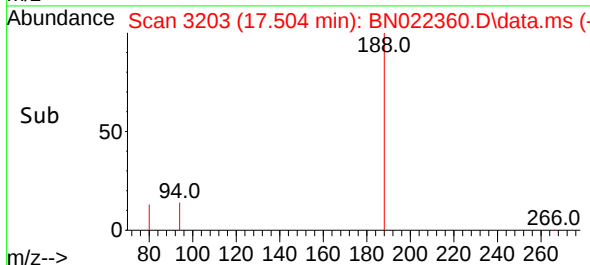
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022

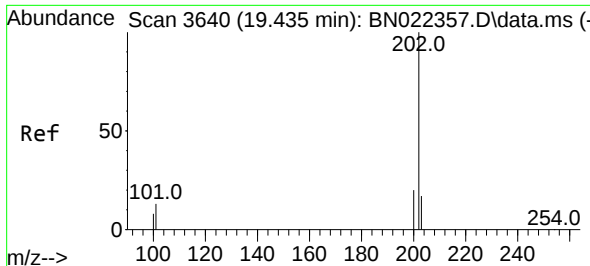


#16  
Anthracene  
Concen: 0.282 ng/ul  
RT: 17.504 min Scan# 3203  
Delta R.T. -0.006 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44



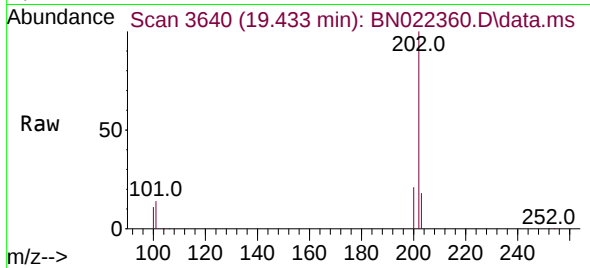
Tgt Ion:178 Resp: 8023  
Ion Ratio Lower Upper  
178 100  
179 16.9 12.6 18.8  
176 19.6 15.0 22.6





#19  
Fluoranthene  
Concen: 2.312 ng/ul  
RT: 19.433 min Scan# 3640  
Delta R.T. -0.007 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

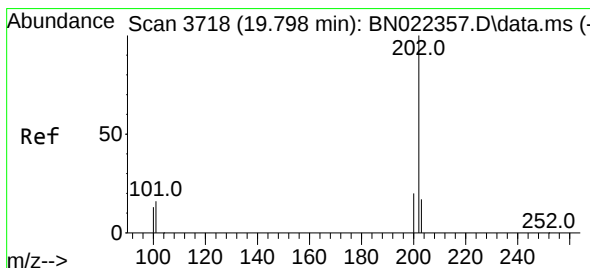
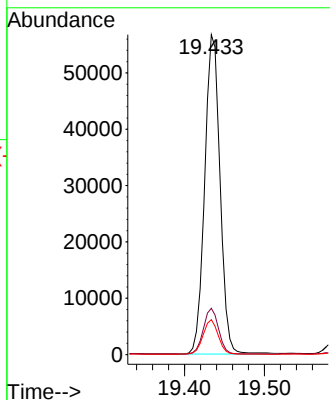
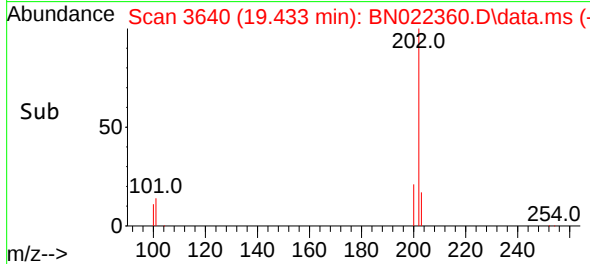
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



Tgt Ion:202 Resp: 75613  
Ion Ratio Lower Upper  
202 100  
101 14.5 11.8 17.6  
100 10.9 8.7 13.1

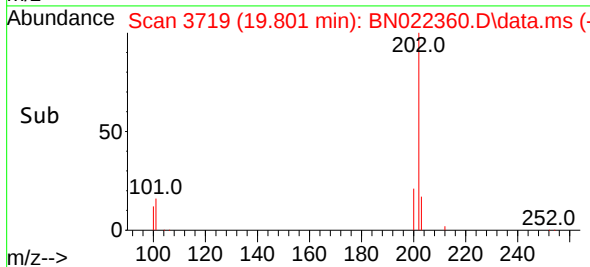
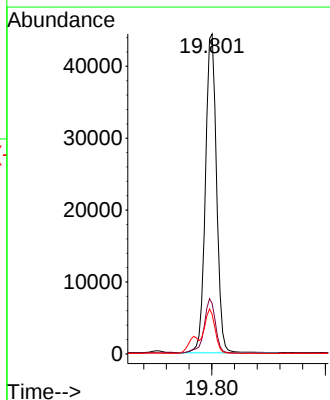
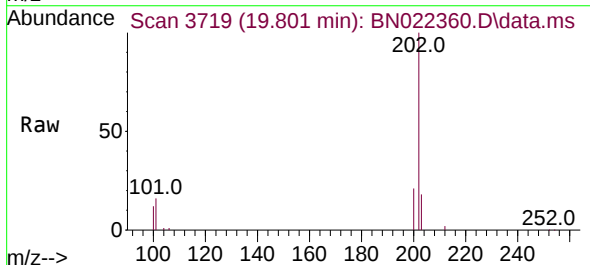
Manual Integrations  
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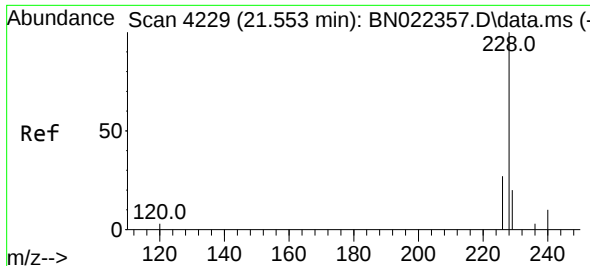
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022



#20  
Pyrene  
Concen: 1.832 ng/ul  
RT: 19.801 min Scan# 3719  
Delta R.T. -0.002 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

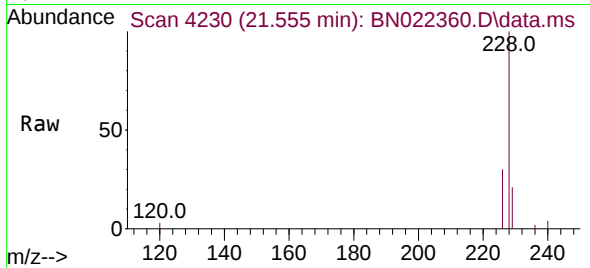
Tgt Ion:202 Resp: 60194  
Ion Ratio Lower Upper  
202 100  
101 15.7 13.1 19.7  
100 12.4 10.6 16.0





#21  
Benzo(a)anthracene  
Concen: 1.168 ng/ul  
RT: 21.555 min Scan# 4229  
Delta R.T. -0.003 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

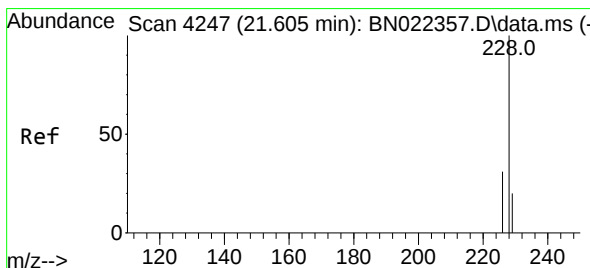
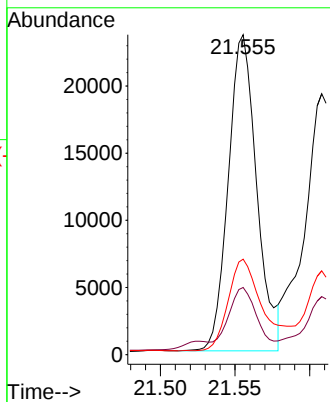
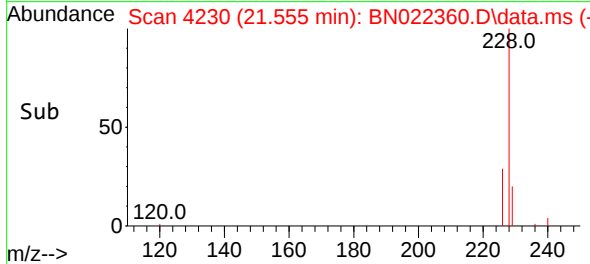
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



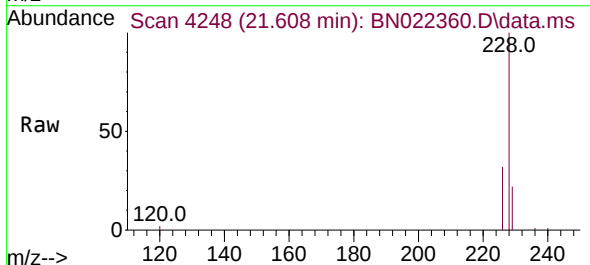
Tgt Ion:228 Resp: 31254  
Ion Ratio Lower Upper  
228 100  
229 21.0 15.7 23.5  
226 29.9 21.5 32.3

Manual Integrations  
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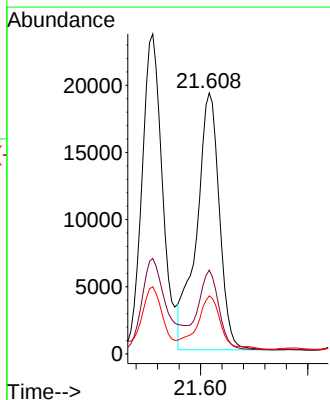
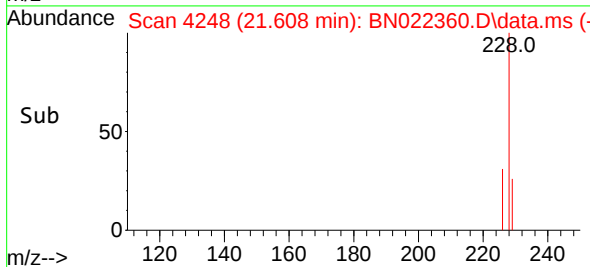
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022

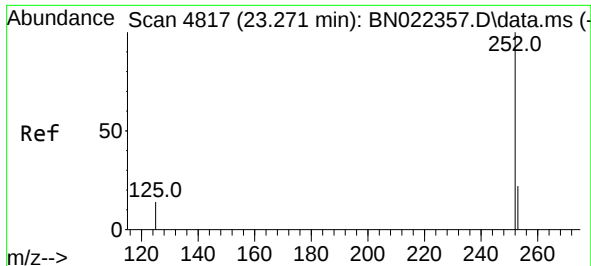


#22  
Chrysene  
Concen: 1.000 ng/ul  
RT: 21.608 min Scan# 4248  
Delta R.T. -0.003 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44



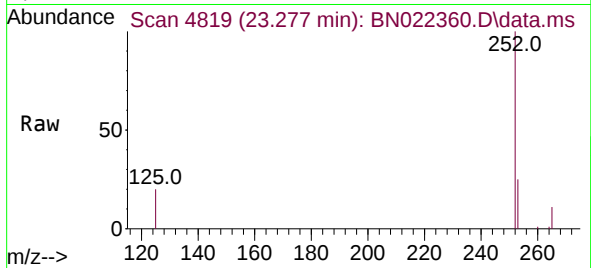
Tgt Ion:228 Resp: 28362  
Ion Ratio Lower Upper  
228 100  
226 32.1 23.9 35.9  
229 22.3 15.9 23.9





#24  
Benzo(b)fluoranthene  
Concen: 1.140 ng/ul m  
RT: 23.277 min Scan# 4817  
Delta R.T. -0.000 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

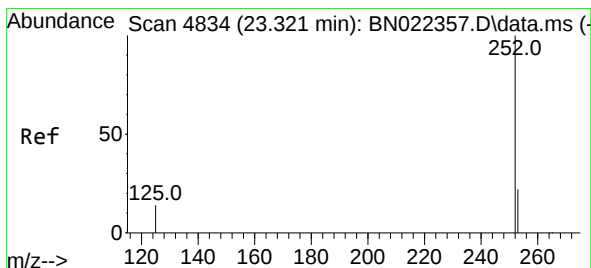
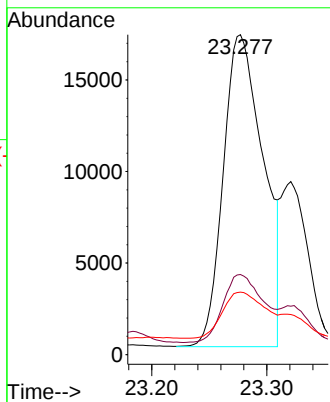
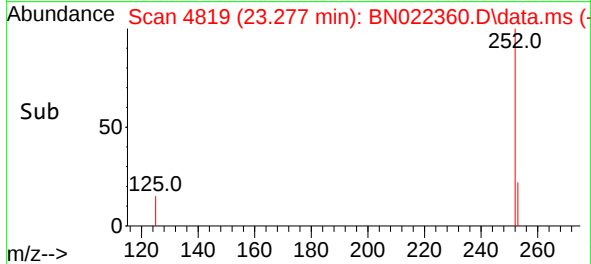
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



Tgt Ion:252 Resp: 41320  
Ion Ratio Lower Upper  
252 100  
253 25.0 0.0 49.0  
125 19.5 0.0 35.2

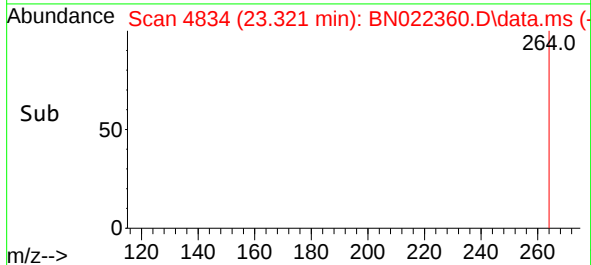
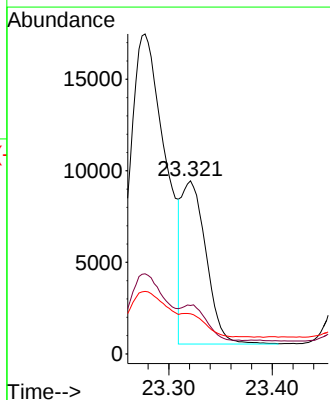
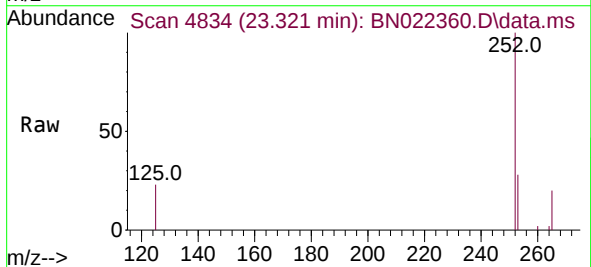
Manual Integrations  
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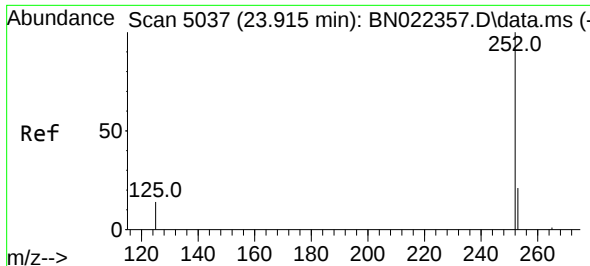
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.416 ng/ul m  
RT: 23.321 min Scan# 4834  
Delta R.T. -0.006 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

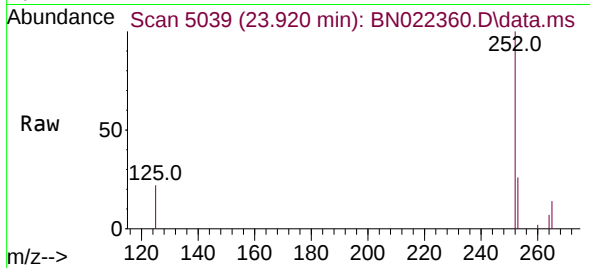
Tgt Ion:252 Resp: 14671  
Ion Ratio Lower Upper  
252 100  
253 28.0 19.7 29.5  
125 23.2 14.0 21.0#





#26  
Benzo(a)pyrene  
Concen: 0.999 ng/ul  
RT: 23.920 min Scan# 5039  
Delta R.T. -0.000 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

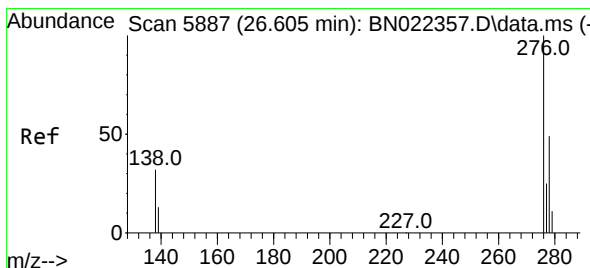
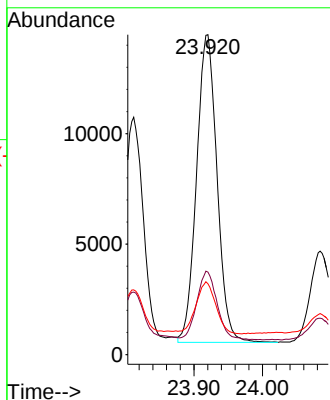
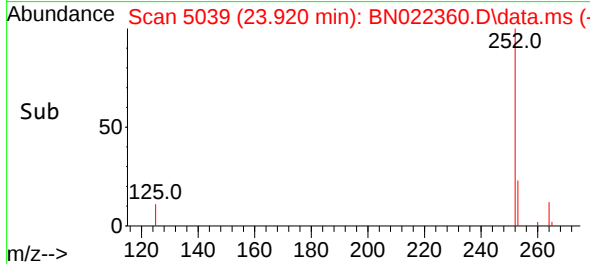
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



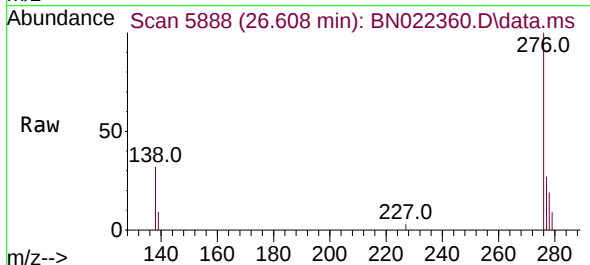
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125 22.1 17.9 26.9

Manual Integrations  
APPROVED

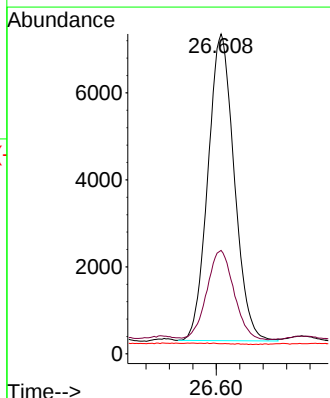
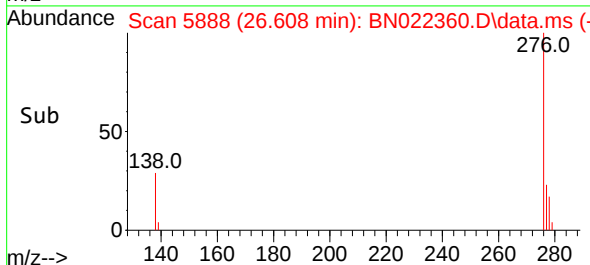
Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022

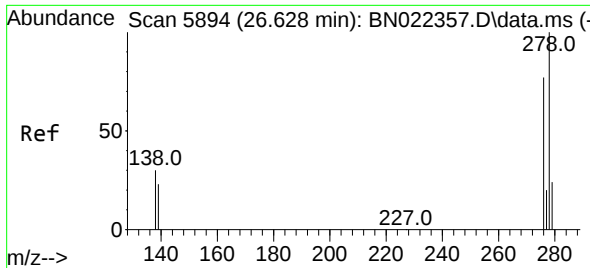


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.610 ng/ul  
RT: 26.608 min Scan# 5888  
Delta R.T. -0.007 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44



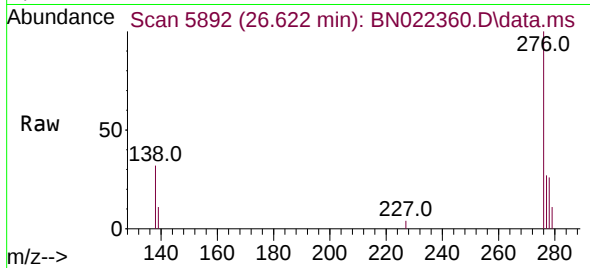
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Ion Ratio Lower Upper  
276 100  
138 30.2 27.7 41.5  
227 0.0 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 0.177 ng/ul  
RT: 26.622 min Scan# 5894  
Delta R.T. -0.017 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44

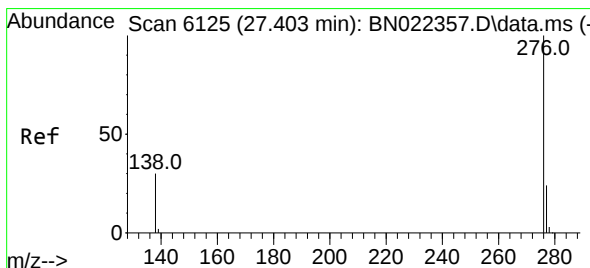
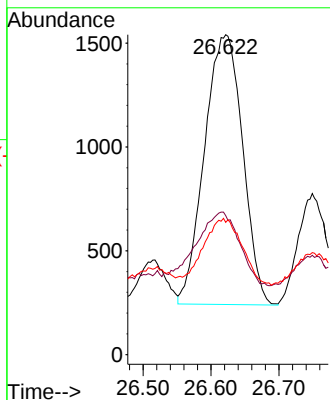
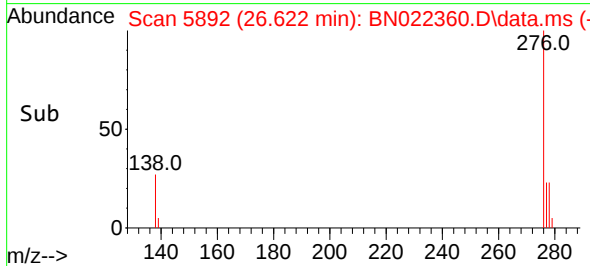
Instrument :  
BNA\_N  
ClientSampleId :  
C1BF3DL



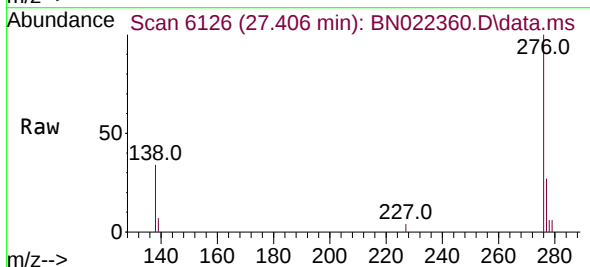
Tgt Ion:278 Resp: 507  
Ion Ratio Lower Upper  
278 100  
139 43.4 19.6 29.4  
279 41.3 20.6 30.8

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/28/2022  
Supervised By :mohammad ahmed 10/31/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.691 ng/ul  
RT: 27.406 min Scan# 6126  
Delta R.T. -0.004 min  
Lab File: BN022360.D  
Acq: 27 Oct 2022 13:44



Tgt Ion:276 Resp: 20241  
Ion Ratio Lower Upper  
276 100  
138 33.8 25.2 37.8  
277 26.5 19.9 29.9

