

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122422\  
 Data File : BN023390.D  
 Acq On : 24 Dec 2022 02:17  
 Operator : CG/JU  
 Sample : N6008-19  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXY1

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
 Supervised By :Yogesh Patel 12/24/2022

Quant Time: Dec 24 03:09:28 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.990  | 152  | 7473     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.808 | 136  | 24375    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.639 | 164  | 14373    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.389 | 188  | 33074    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.578 | 240  | 22603    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.025 | 264  | 17078    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.344  | 96   | 35768    | 4.405 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.398 | 152  | 11234    | 0.298 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.418 | 212  | 25836    | 0.316 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.858 | 128  | 18327    | 0.256 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.469 | 142  | 5764     | 0.126 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.689 | 142  | 3426     | 0.073 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.362 | 152  | 24886    | 0.391 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.704 | 153  | 3715     | 0.069 | ng/ul  | 99       |
| 12) Fluorene                | 15.689 | 166  | 4724     | 0.078 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.431 | 178  | 77439    | 0.719 | ng/ul  | 99       |
| 16) Anthracene              | 17.524 | 178  | 30232    | 0.338 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.446 | 202  | 194719   | 1.776 | ng/ul  | 100      |
| 20) Pyrene                  | 19.813 | 202  | 155312m  | 1.405 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.560 | 228  | 125453   | 1.426 | ng/ul  | 97       |
| 22) Chrysene                | 21.613 | 228  | 168605   | 1.884 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.276 | 252  | 249113m  | 2.820 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.323 | 252  | 77829m   | 0.938 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.919 | 252  | 141397   | 2.022 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.580 | 276  | 106561   | 1.305 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.594 | 278  | 27057    | 0.427 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 27.375 | 276  | 102936   | 1.547 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

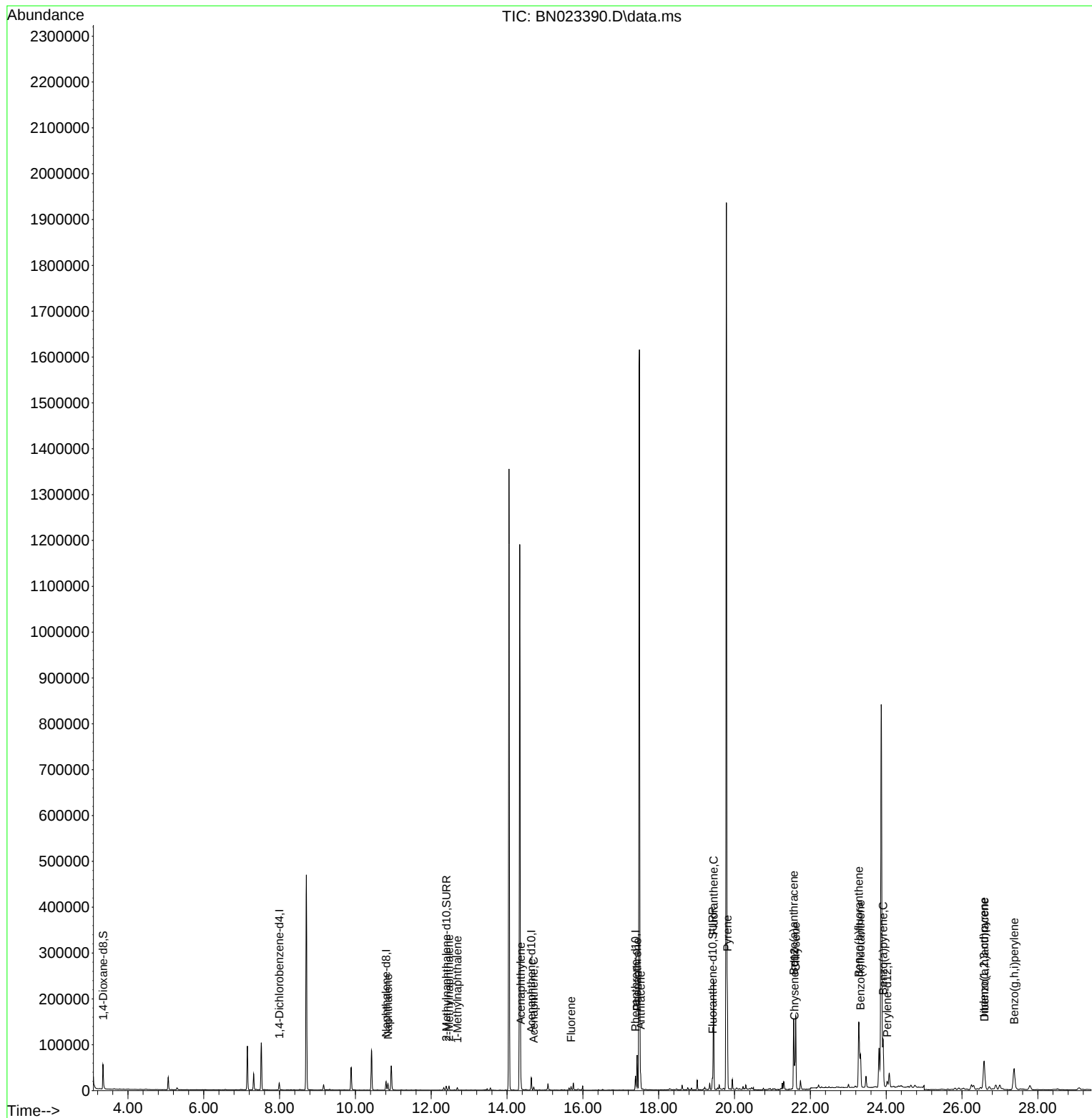
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122422\  
Data File : BN023390.D  
Acq On : 24 Dec 2022 02:17  
Operator : CG/JU  
Sample : N6008-19  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

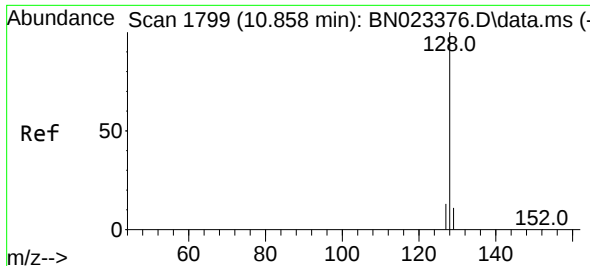
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

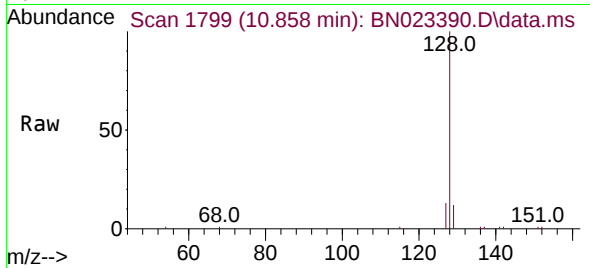
Quant Time: Dec 24 03:09:28 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 02:28:40 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.256 ng/ul  
RT: 10.858 min Scan# 1799  
Delta R.T. -0.007 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

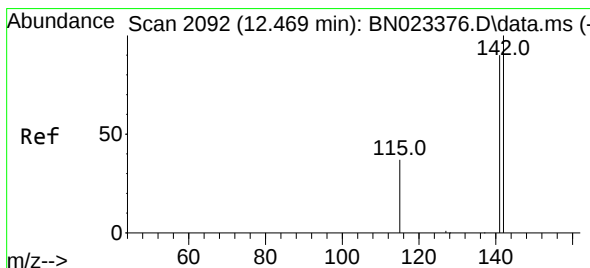
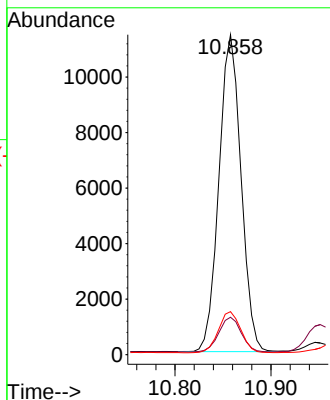
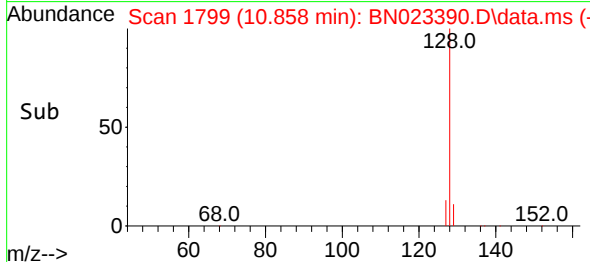
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



Tgt Ion:128 Resp: 1832  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.4  
127 13.4 10.7 16.1

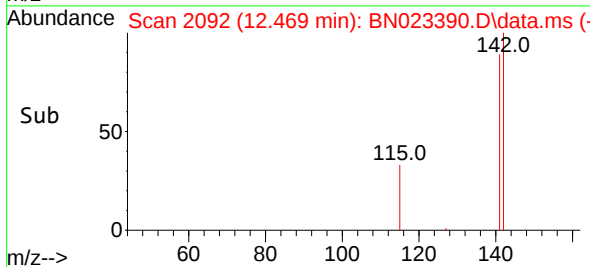
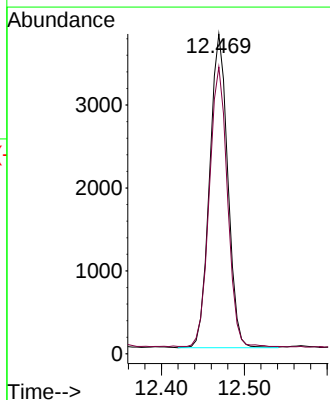
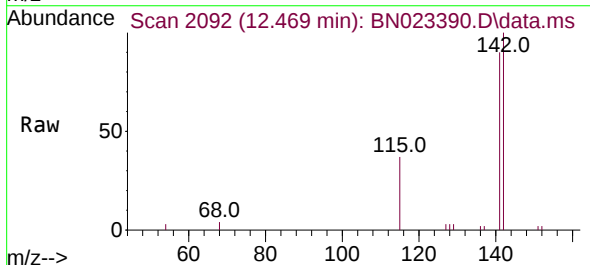
Manual Integrations  
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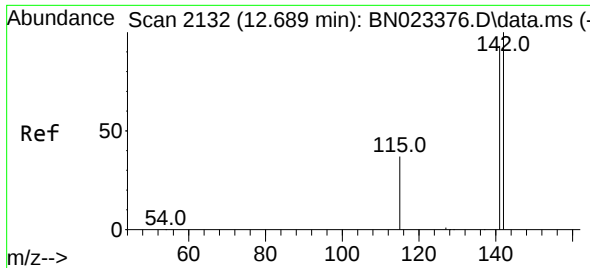
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#7  
2-Methylnaphthalene  
Concen: 0.126 ng/ul  
RT: 12.469 min Scan# 2092  
Delta R.T. -0.007 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

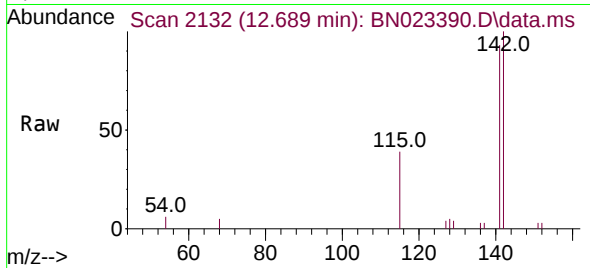
Tgt Ion:142 Resp: 5764  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.4 107.2





#8  
1-Methylnaphthalene  
Concen: 0.073 ng/ul  
RT: 12.689 min Scan# 2132  
Delta R.T. -0.007 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

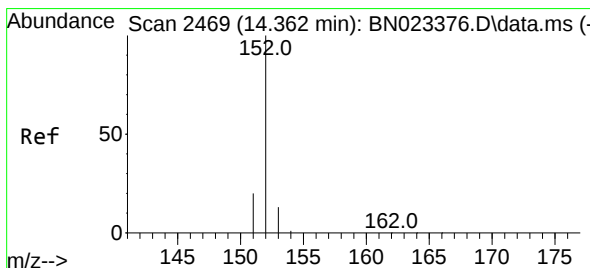
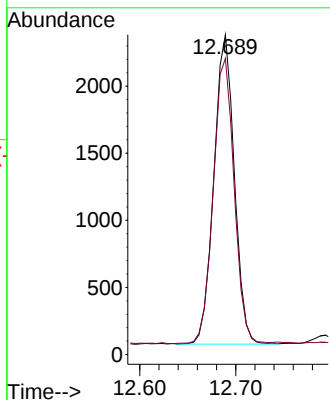
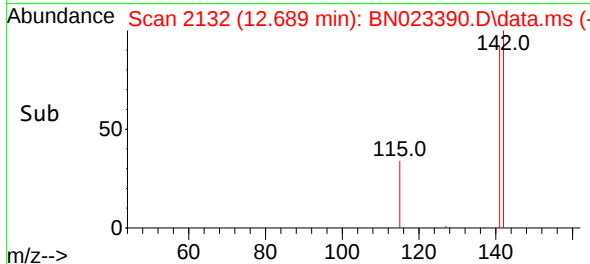
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



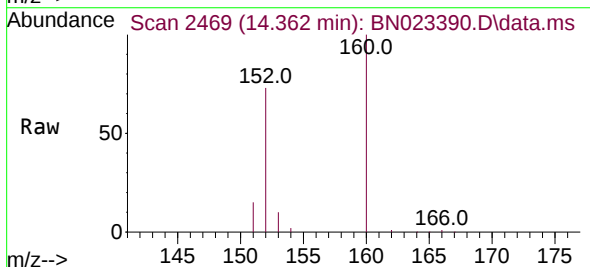
Tgt Ion:142 Resp: 3426  
Ion Ratio Lower Upper  
142 100  
141 94.5 74.0 111.0

Manual Integrations  
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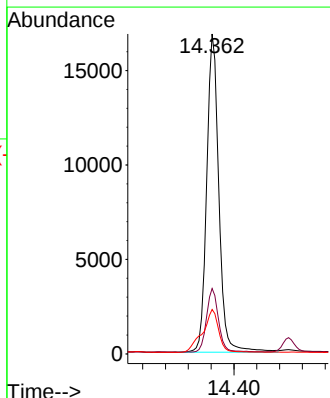
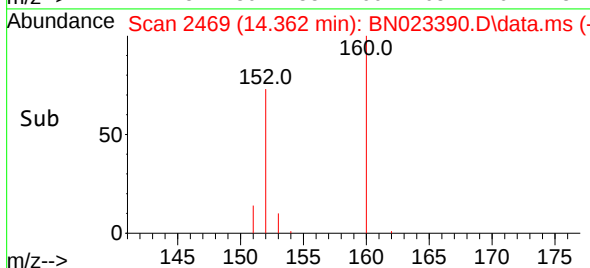
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

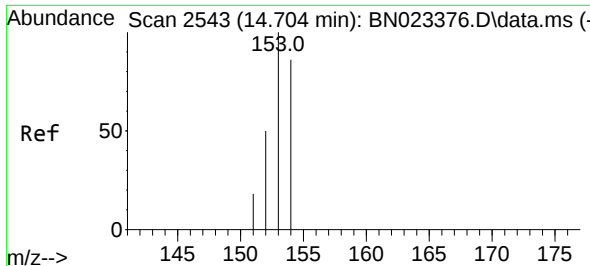


#10  
Acenaphthylene  
Concen: 0.391 ng/ul  
RT: 14.362 min Scan# 2469  
Delta R.T. -0.007 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17



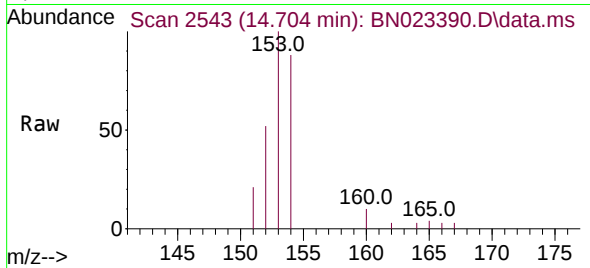
Tgt Ion:152 Resp: 24886  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.1 24.1  
153 13.9 10.9 16.3





#11  
Acenaphthene  
Concen: 0.069 ng/ul  
RT: 14.704 min Scan# 2543  
Delta R.T. -0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

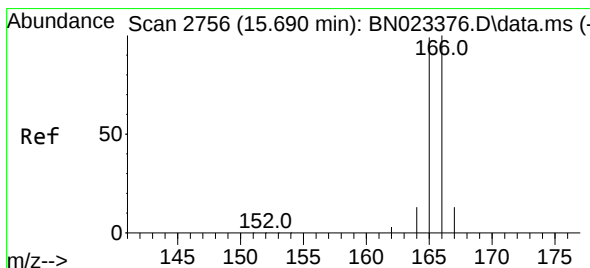
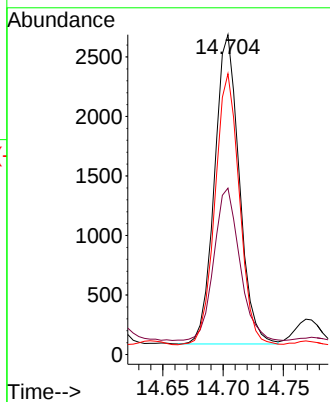
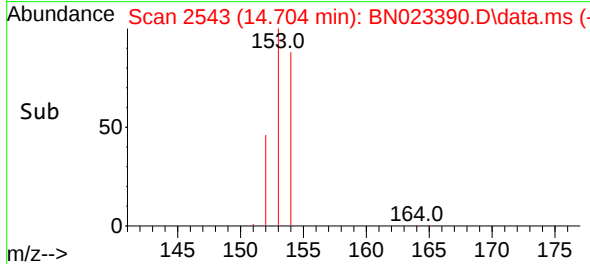
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



Tgt Ion:153 Resp: 3715  
Ion Ratio Lower Upper  
153 100  
152 52.0 41.0 61.4  
154 87.8 69.5 104.3

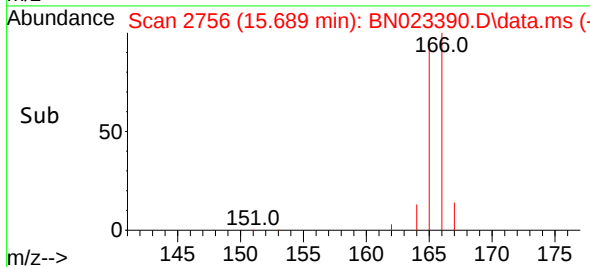
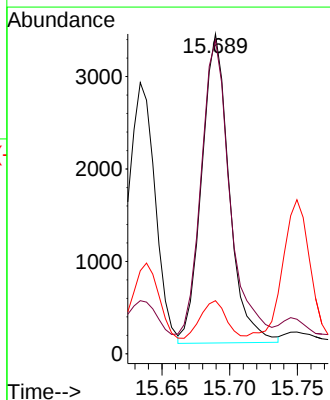
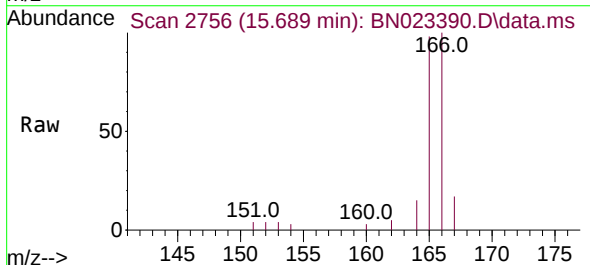
Manual Integrations  
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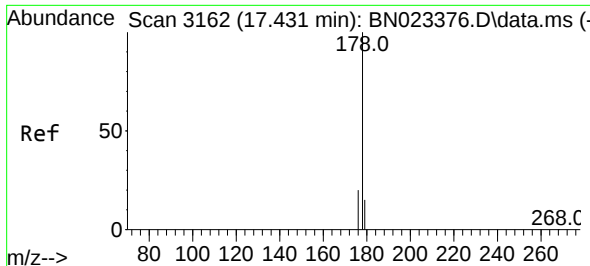
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#12  
Fluorene  
Concen: 0.078 ng/ul  
RT: 15.689 min Scan# 2756  
Delta R.T. -0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

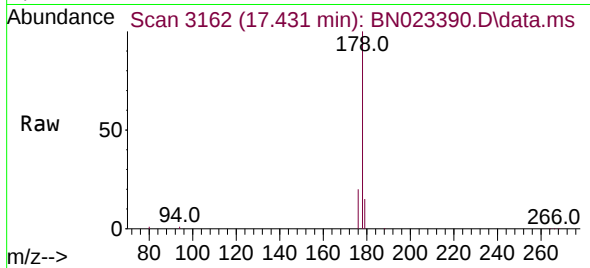
Tgt Ion:166 Resp: 4724  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.1 118.7  
167 16.6 11.0 16.4





#15  
Phenanthrene  
Concen: 0.719 ng/u1  
RT: 17.431 min Scan# 3162  
Delta R.T. -0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

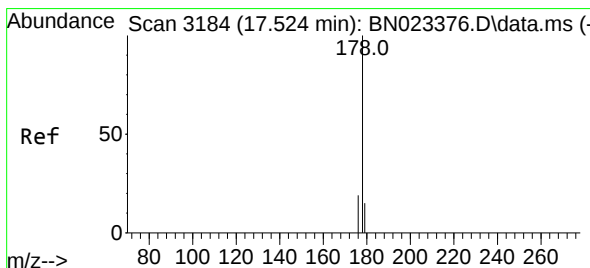
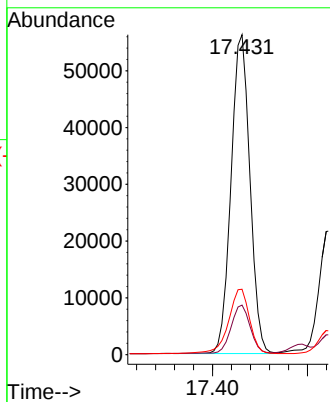
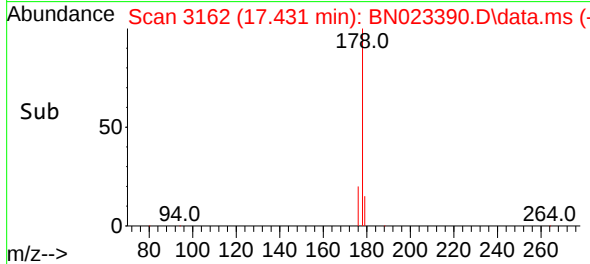
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



Tgt Ion:178 Resp: 77439  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.5 18.7  
176 20.4 15.7 23.5

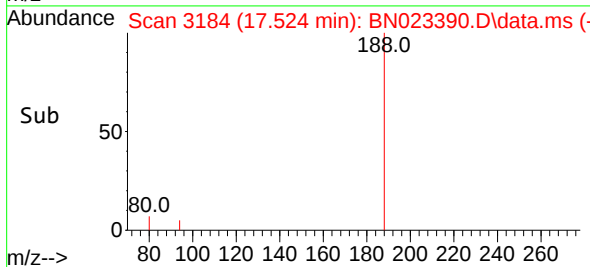
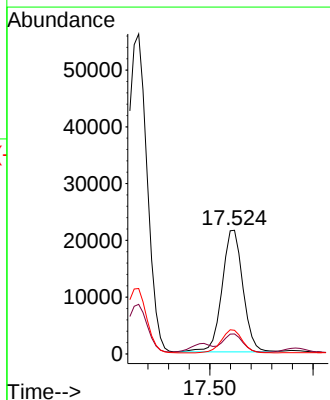
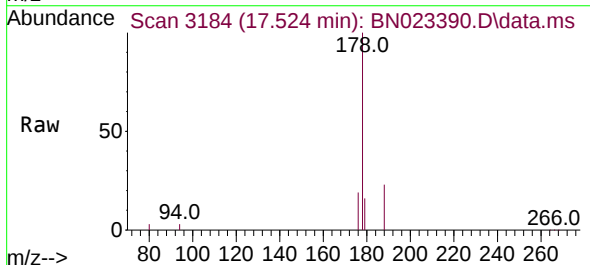
Manual Integrations  
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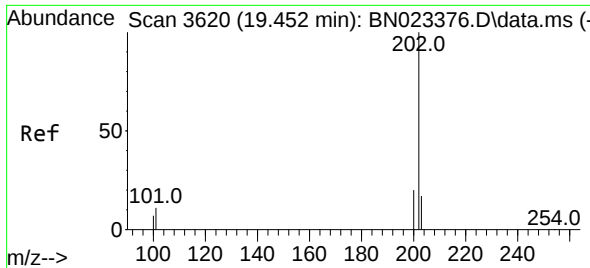
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#16  
Anthracene  
Concen: 0.338 ng/u1  
RT: 17.524 min Scan# 3184  
Delta R.T. -0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

Tgt Ion:178 Resp: 30232  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.6 18.8  
176 19.1 15.4 23.0





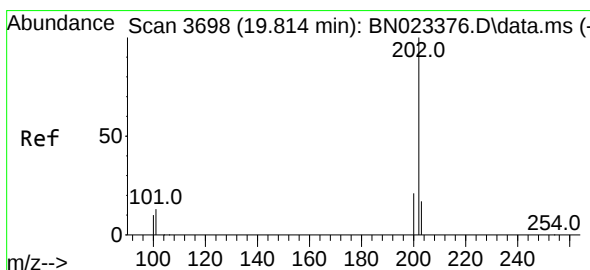
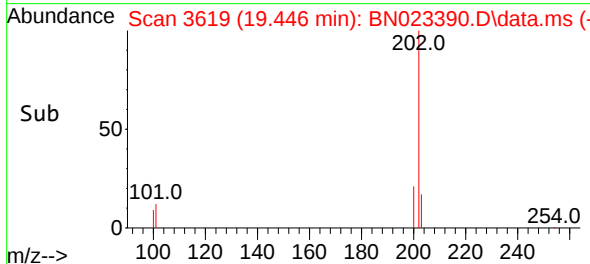
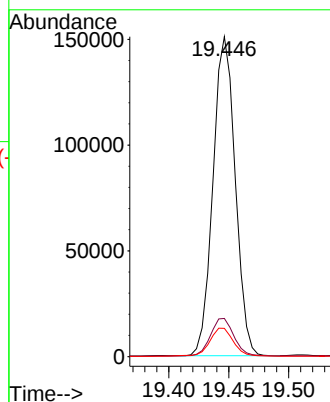
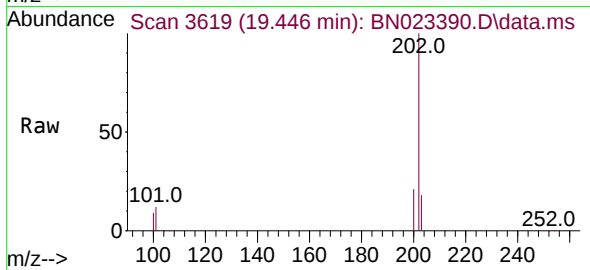
#19  
Fluoranthene  
Concen: 1.776 ng/ul  
RT: 19.446 min Scan# 3619  
Delta R.T. -0.003 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1

Tgt Ion:202 Resp: 194719  
Ion Ratio Lower Upper  
202 100  
101 11.9 9.4 14.2  
100 8.8 7.0 10.6

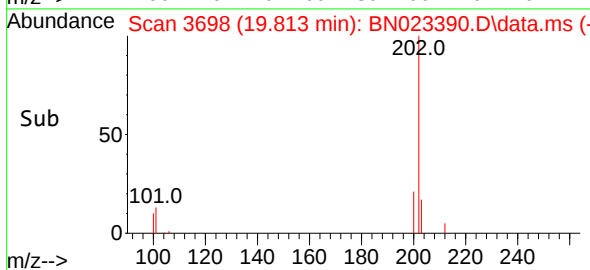
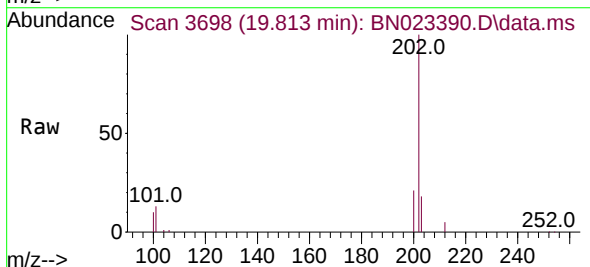
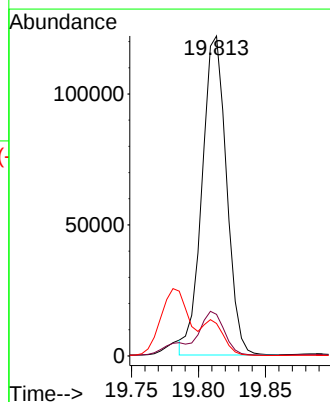
Manual Integrations  
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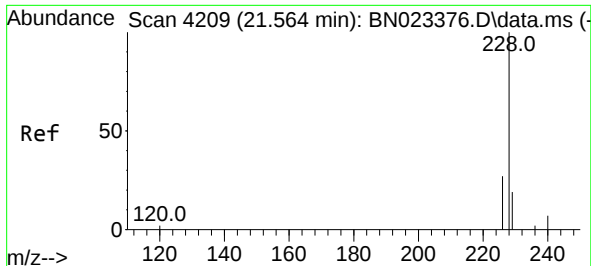
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#20  
Pyrene  
Concen: 1.405 ng/ul m  
RT: 19.813 min Scan# 3698  
Delta R.T. 0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

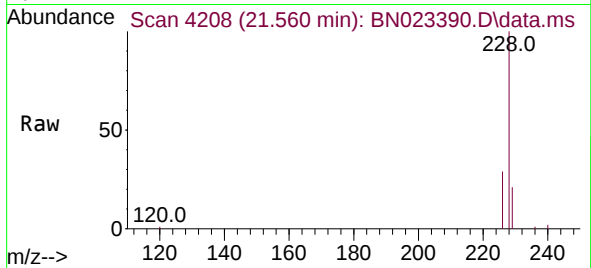
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Ion Ratio Lower Upper  
202 100  
101 13.0 11.3 16.9  
100 10.1 9.0 13.4





#21  
Benzo(a)anthracene  
Concen: 1.426 ng/ul  
RT: 21.560 min Scan# 4209  
Delta R.T. -0.001 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

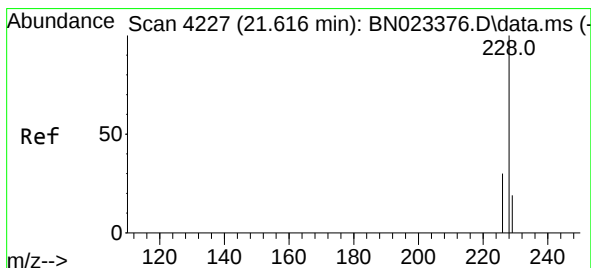
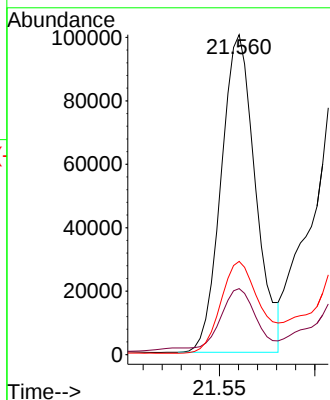
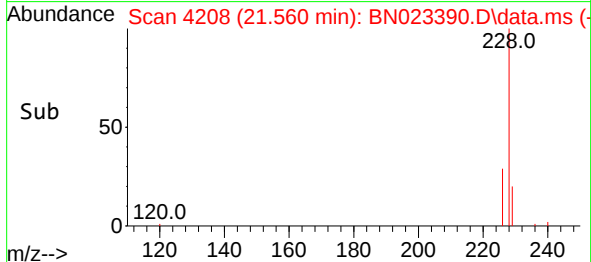
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



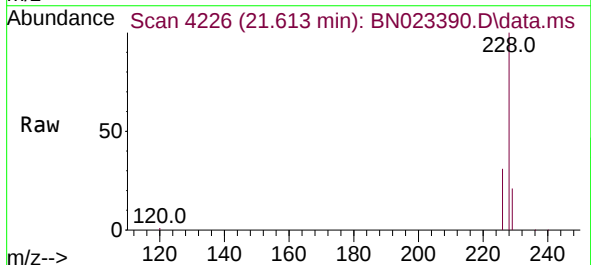
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229 20.6 15.6 23.4  
226 29.1 22.2 33.2

Manual Integrations  
APPROVED

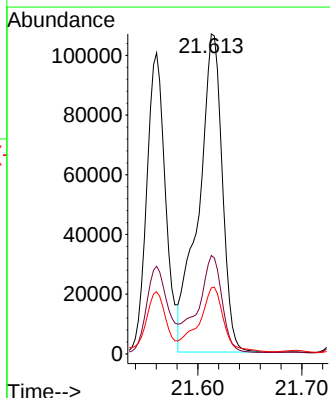
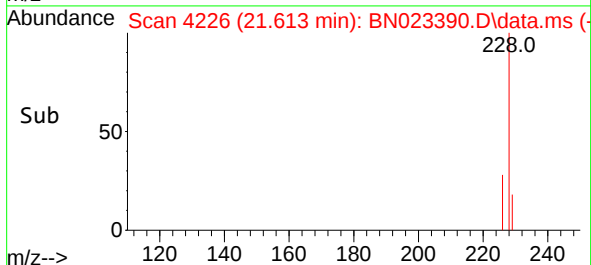
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

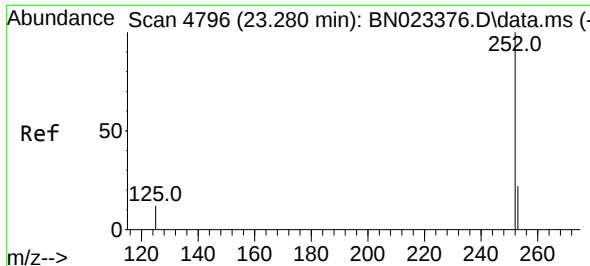


#22  
Chrysene  
Concen: 1.884 ng/ul  
RT: 21.613 min Scan# 4226  
Delta R.T. -0.004 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17



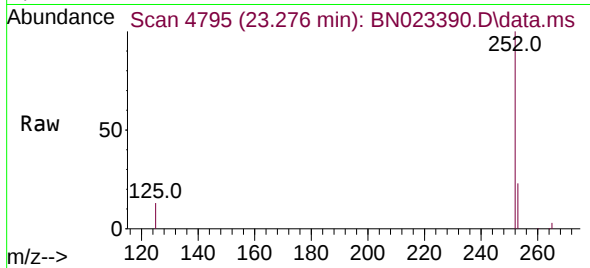
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228 100  
226 30.7 24.3 36.5  
229 20.6 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 2.820 ng/ul m  
RT: 23.276 min Scan# 4795  
Delta R.T. 0.002 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

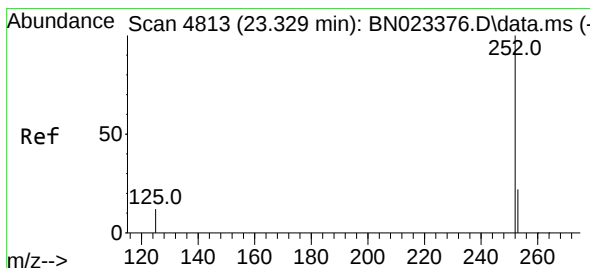
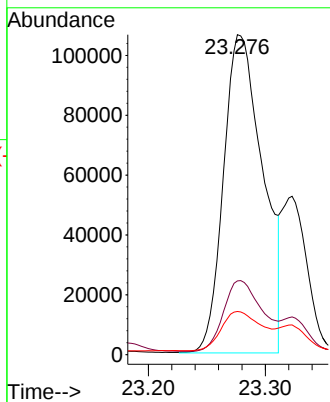
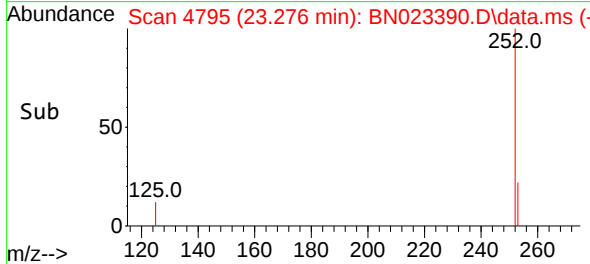
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



Tgt Ion:252 Resp: 249113  
Ion Ratio Lower Upper  
252 100  
253 23.0 0.0 49.2  
125 13.5 0.0 31.8

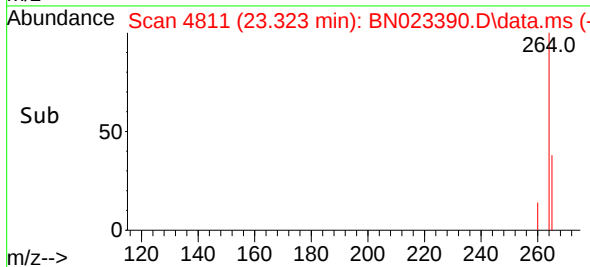
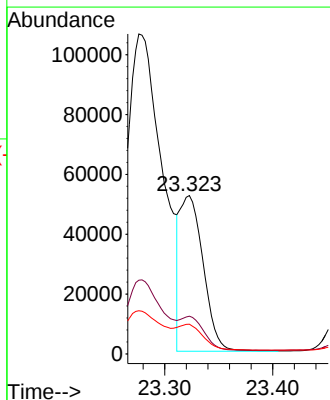
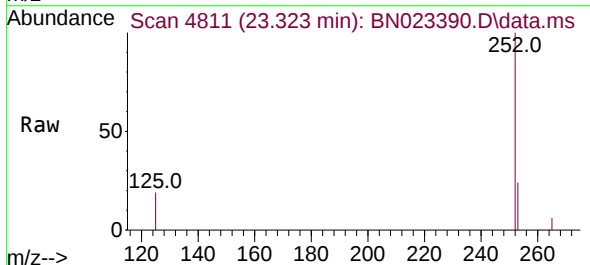
Manual Integrations  
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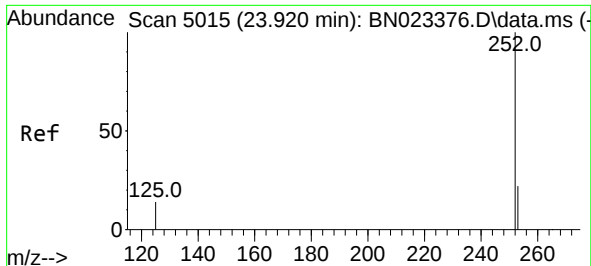
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.938 ng/ul m  
RT: 23.323 min Scan# 4811  
Delta R.T. -0.001 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

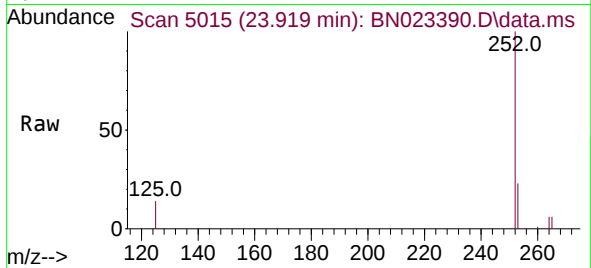
Tgt Ion:252 Resp: 77829  
Ion Ratio Lower Upper  
252 100  
253 23.8 19.8 29.6  
125 18.7 12.6 18.8





#26  
Benzo(a)pyrene  
Concen: 2.022 ng/ul  
RT: 23.919 min Scan# 5015  
Delta R.T. 0.005 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

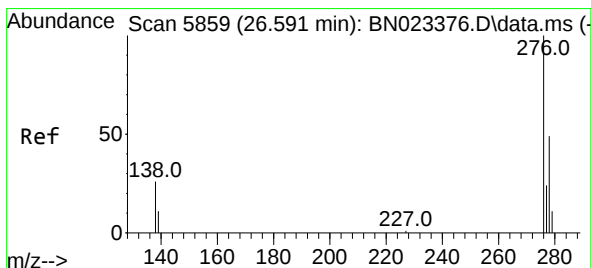
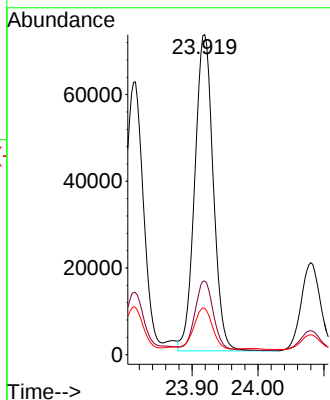
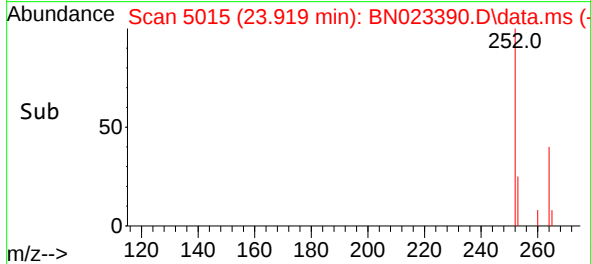
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



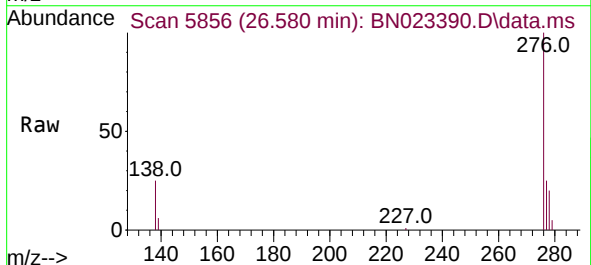
Tgt Ion:252 Resp: 141397  
Ion Ratio Lower Upper  
252 100  
253 23.0 21.4 32.2  
125 14.5 16.2 24.4

Manual Integrations  
APPROVED

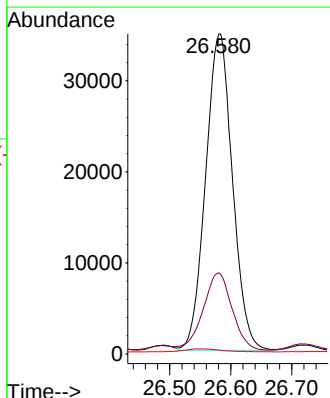
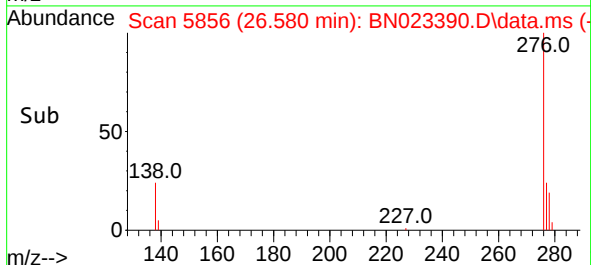
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

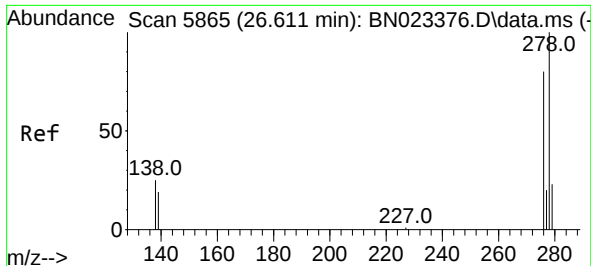


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.305 ng/ul  
RT: 26.580 min Scan# 5856  
Delta R.T. 0.003 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17



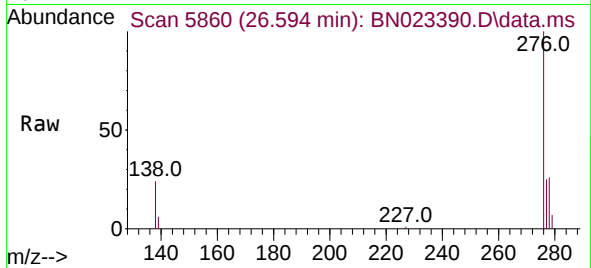
Tgt Ion:276 Resp: 106561  
Ion Ratio Lower Upper  
276 100  
138 26.0 23.4 35.2  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.427 ng/ul  
RT: 26.594 min Scan# 5865  
Delta R.T. -0.008 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17

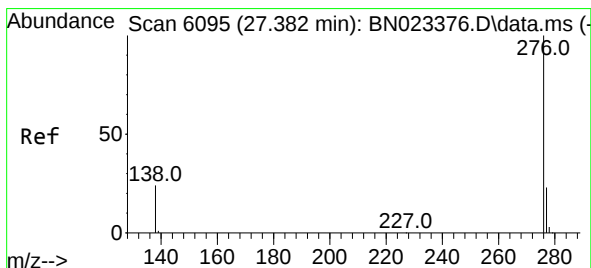
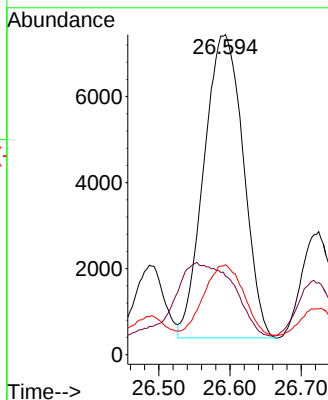
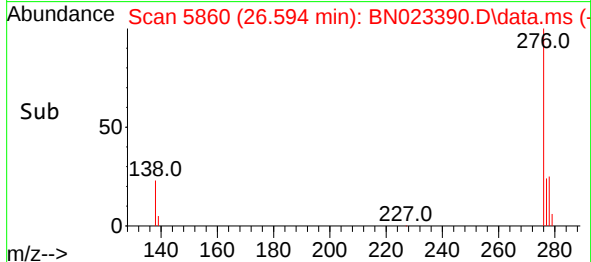
Instrument :  
BNA\_N  
ClientSampleId :  
DBXY1



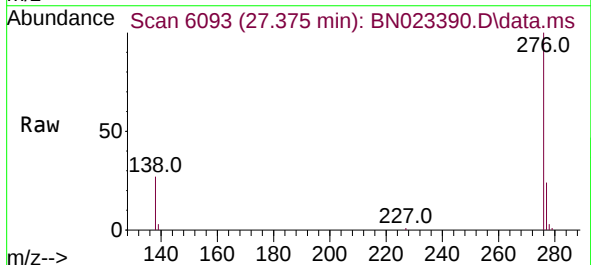
Tgt Ion:278 Resp: 27052  
Ion Ratio Lower Upper  
278 100  
139 24.5 16.6 24.8  
279 28.1 21.3 31.9

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#29  
Benzo(g,h,i)perylene  
Concen: 1.547 ng/ul  
RT: 27.375 min Scan# 6093  
Delta R.T. 0.006 min  
Lab File: BN023390.D  
Acq: 24 Dec 2022 02:17



Tgt Ion:276 Resp: 102936  
Ion Ratio Lower Upper  
276 100  
138 26.6 20.3 30.5  
277 24.5 19.7 29.5

