

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
 Data File : BM046179.D  
 Acq On : 22 Jun 2024 03:31  
 Operator : MA/JU  
 Sample : P2710-05DL 5X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4B26DL

Manual Integrations  
 APPROVED

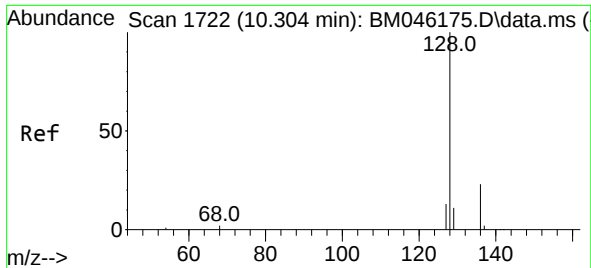
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 22 04:04:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 22 02:10:56 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.426  | 152  | 3130     | 0.400 | ng/ul  | -0.04    |
| 4) Naphthalene-d8           | 10.216 | 136  | 8905     | 0.400 | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.077 | 164  | 5156     | 0.400 | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.820 | 188  | 10304    | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.017 | 240  | 8783     | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.107 | 264  | 9652m    | 0.400 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.033  | 96   | 3587     | 0.835 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.855 | 152  | 683      | 0.057 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.849 | 212  | 1609     | 0.061 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.266 | 128  | 537      | 0.022 | ng/ul# | 49       |
| 10) Acenaphthylene          | 13.799 | 152  | 1113     | 0.046 | ng/ul# | 71       |
| 11) Acenaphthene            | 14.141 | 153  | 1243     | 0.070 | ng/ul  | 97       |
| 12) Fluorene                | 15.131 | 166  | 1246     | 0.066 | ng/ul# | 98       |
| 15) Phenanthrene            | 16.858 | 178  | 25013    | 0.864 | ng/ul  | 97       |
| 16) Anthracene              | 16.956 | 178  | 4016     | 0.186 | ng/ul# | 95       |
| 19) Fluoranthene            | 18.881 | 202  | 35093    | 0.923 | ng/ul  | 96       |
| 20) Pyrene                  | 19.239 | 202  | 39093    | 0.951 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.000 | 228  | 14739    | 0.434 | ng/ul  | 98       |
| 22) Chrysene                | 21.052 | 228  | 16469    | 0.380 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.490 | 252  | 19491m   | 0.561 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.525 | 252  | 7012m    | 0.170 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.013 | 252  | 13694    | 0.425 | ng/ul  | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.158 | 276  | 9894     | 0.188 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 25.165 | 278  | 2257     | 0.057 | ng/ul# | 51       |
| 29) Benzo(g,h,i)perylene    | 25.782 | 276  | 10534    | 0.233 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

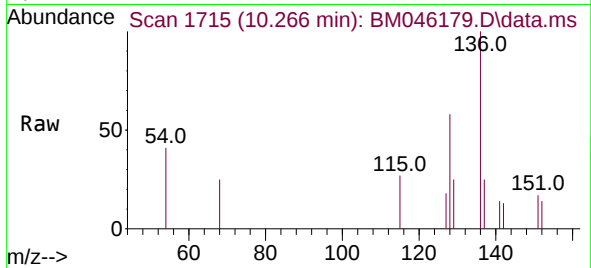
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#5  
Naphthalene  
Concen: 0.022 ng/ul  
RT: 10.266 min Scan# 1715  
Delta R.T. -0.037 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

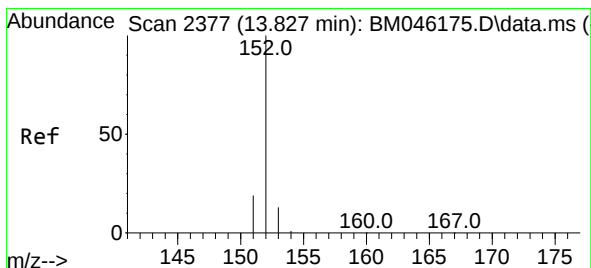
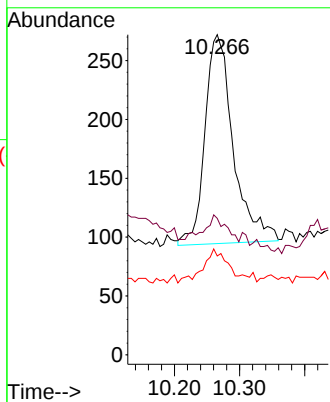
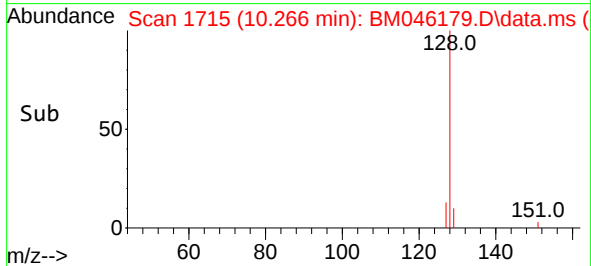
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 42.6  | 11.8  | 17.6  |
| 127     | 30.9  | 12.8  | 19.2  |

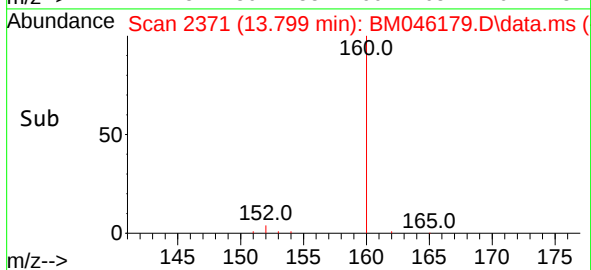
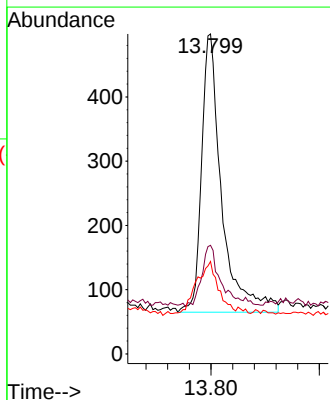
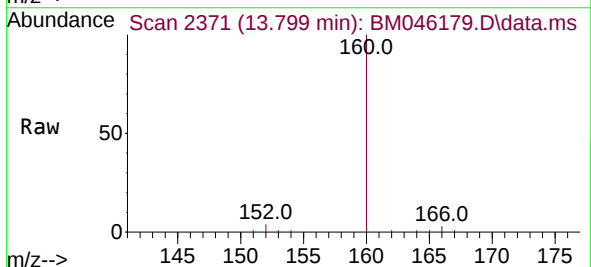
Manual Integrations  
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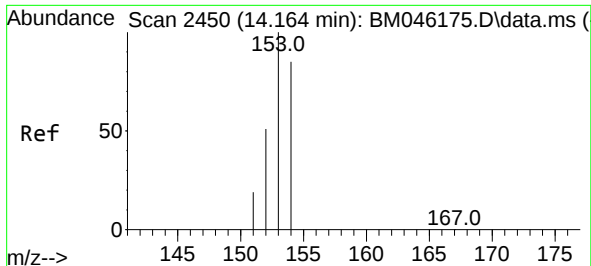
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#10  
Acenaphthylene  
Concen: 0.046 ng/ul  
RT: 13.799 min Scan# 2371  
Delta R.T. -0.036 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

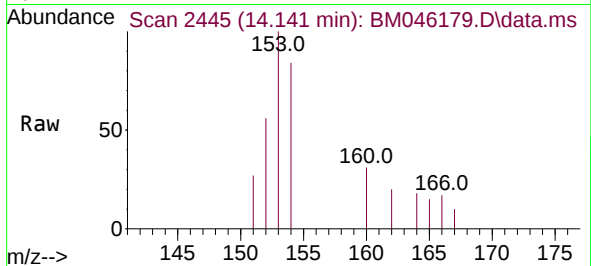
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 33.9  | 17.4  | 26.2  |
| 153     | 28.9  | 11.8  | 17.8  |





#11  
Acenaphthene  
Concen: 0.070 ng/u1  
RT: 14.141 min Scan# 2445  
Delta R.T. -0.031 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

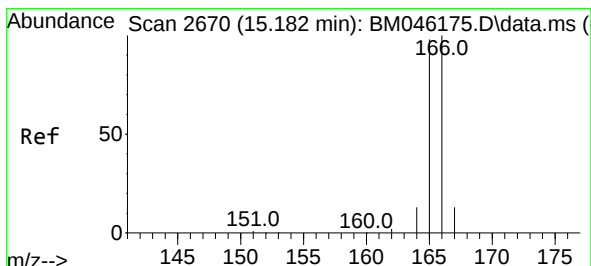
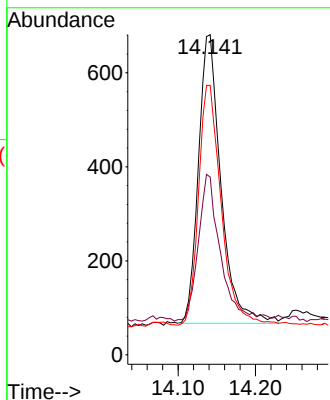
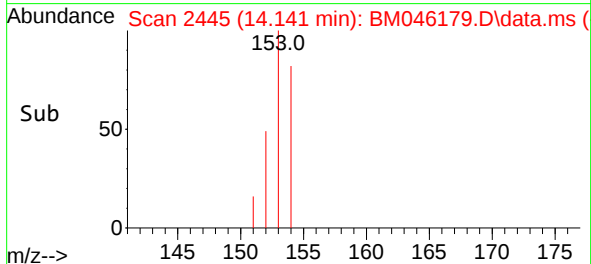
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



Tgt Ion:153 Resp: 124  
Ion Ratio Lower Upper  
153 100  
152 55.5 41.3 61.9  
154 84.1 68.2 102.4

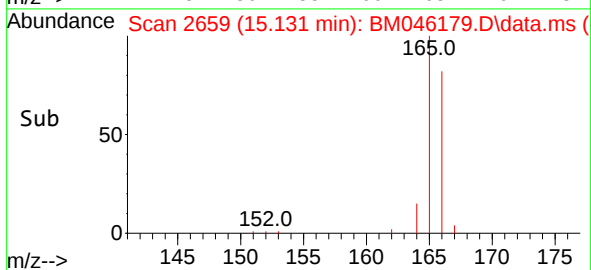
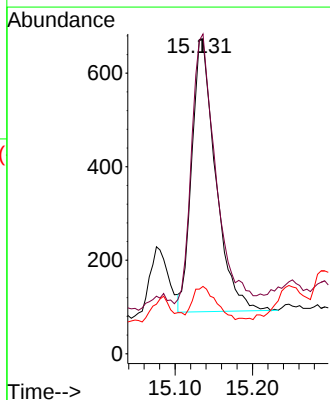
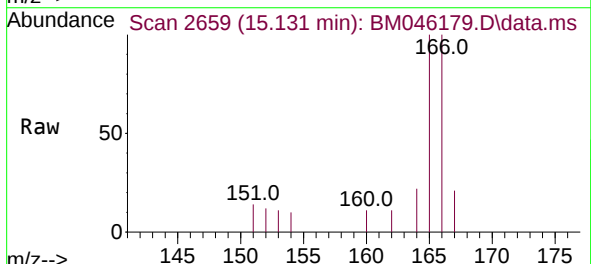
Manual Integrations  
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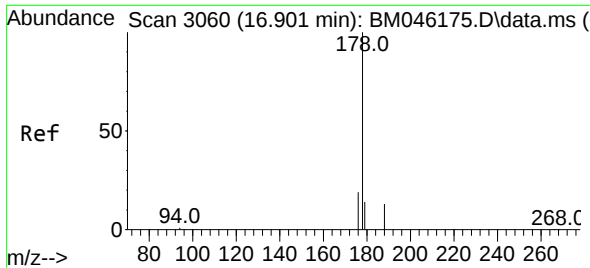
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#12  
Fluorene  
Concen: 0.066 ng/u1  
RT: 15.131 min Scan# 2659  
Delta R.T. -0.049 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

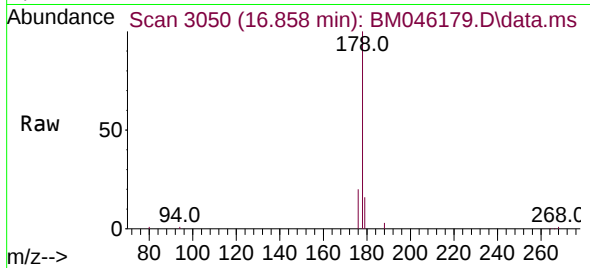
Tgt Ion:166 Resp: 1246  
Ion Ratio Lower Upper  
166 100  
165 99.7 80.4 120.6  
167 20.5 12.4 18.6#





#15  
Phenanthrene  
Concen: 0.864 ng/u1  
RT: 16.858 min Scan# 3060  
Delta R.T. -0.045 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

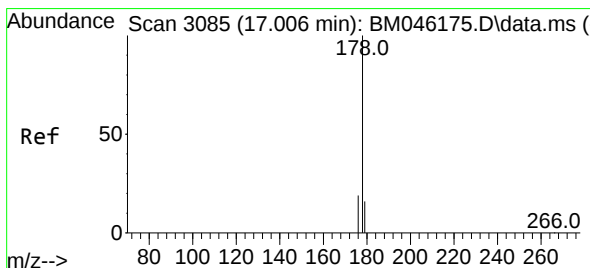
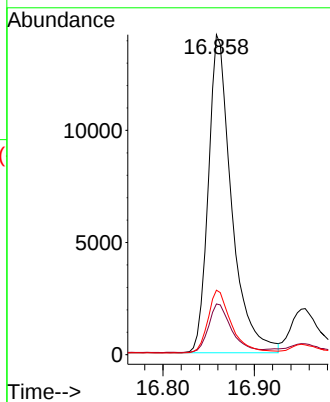
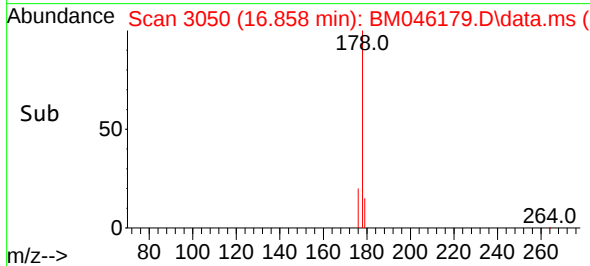
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



Tgt Ion:178 Resp: 2501  
Ion Ratio Lower Upper  
178 100  
179 15.8 14.2 21.2  
176 20.2 17.1 25.7

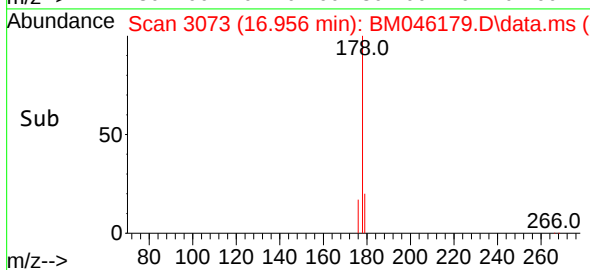
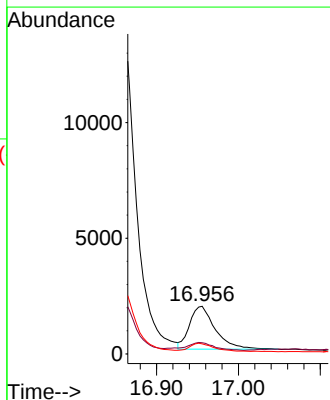
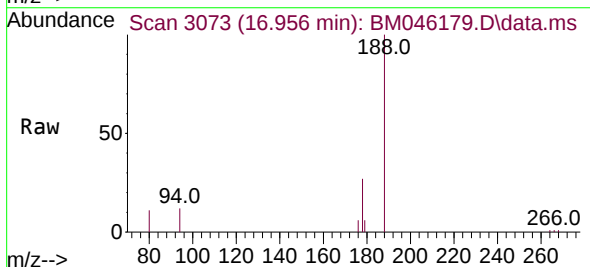
Manual Integrations  
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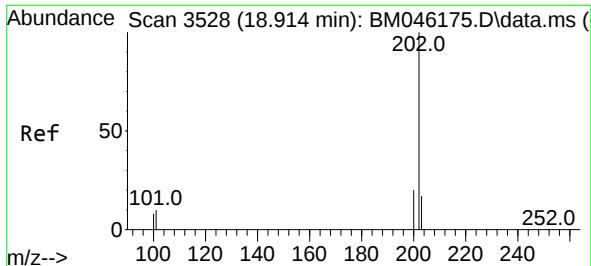
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#16  
Anthracene  
Concen: 0.186 ng/u1  
RT: 16.956 min Scan# 3073  
Delta R.T. -0.049 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

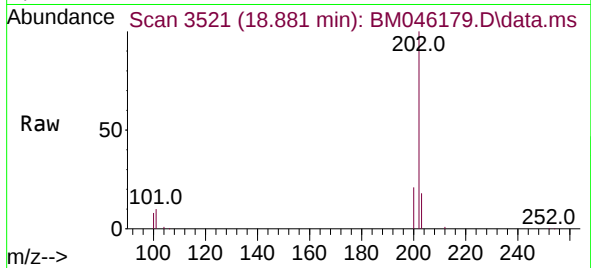
Tgt Ion:178 Resp: 4016  
Ion Ratio Lower Upper  
178 100  
179 23.7 14.9 22.3#  
176 21.0 17.0 25.4





#19  
Fluoranthene  
Concen: 0.923 ng/u1  
RT: 18.881 min Scan# 3509  
Delta R.T. -0.036 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

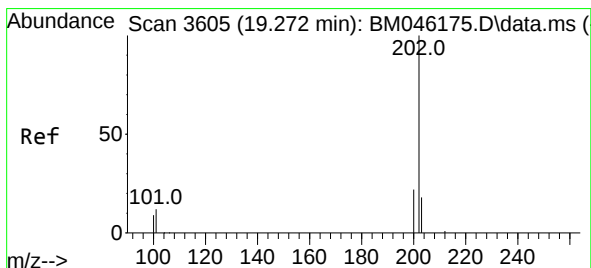
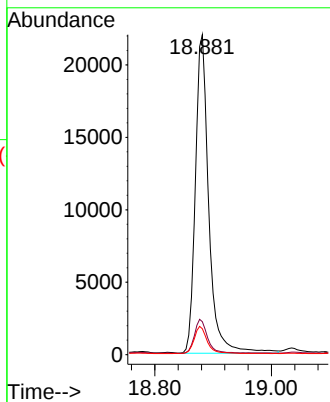
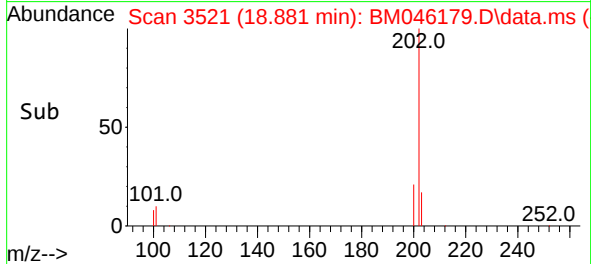
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



Tgt Ion:202 Resp: 35093  
Ion Ratio Lower Upper  
202 100  
101 10.3 9.6 14.4  
100 8.1 7.6 11.4

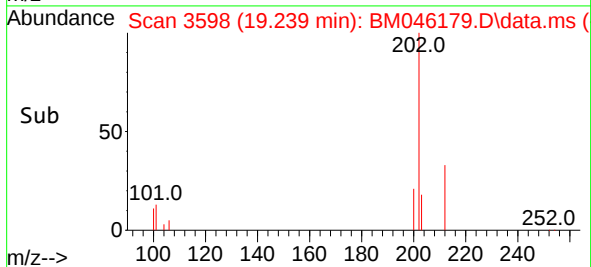
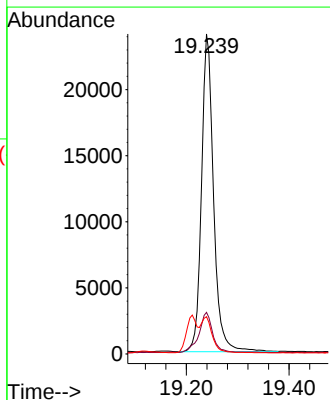
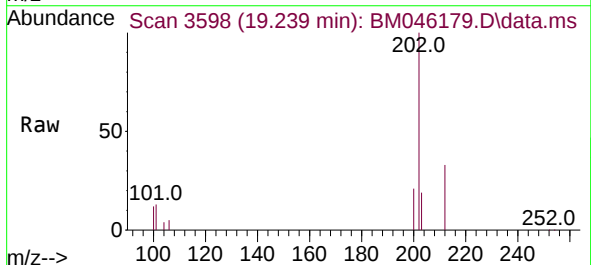
Manual Integrations  
APPROVED

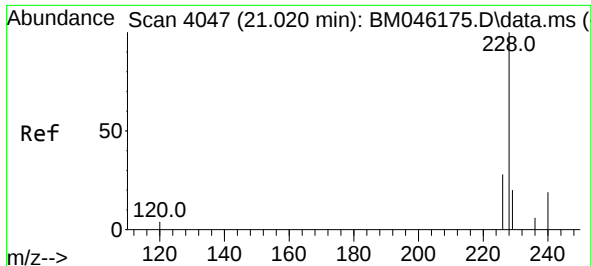
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#20  
Pyrene  
Concen: 0.951 ng/u1  
RT: 19.239 min Scan# 3598  
Delta R.T. -0.036 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

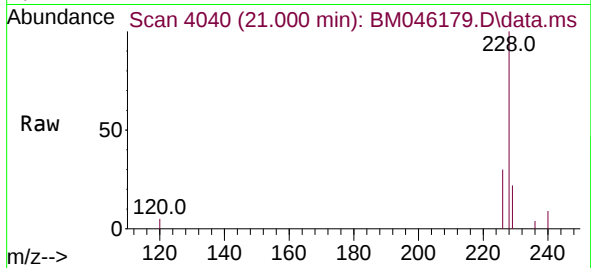
Tgt Ion:202 Resp: 39093  
Ion Ratio Lower Upper  
202 100  
101 13.0 11.3 16.9  
100 11.7 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.434 ng/u1  
RT: 21.000 min Scan# 4047  
Delta R.T. -0.030 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

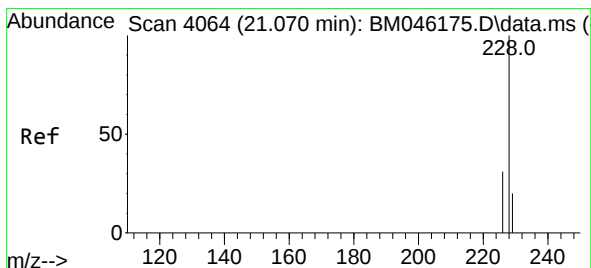
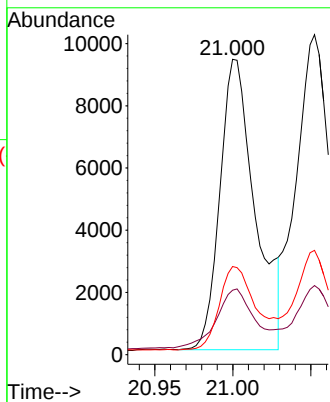
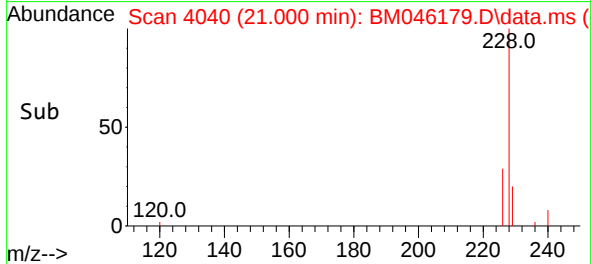
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



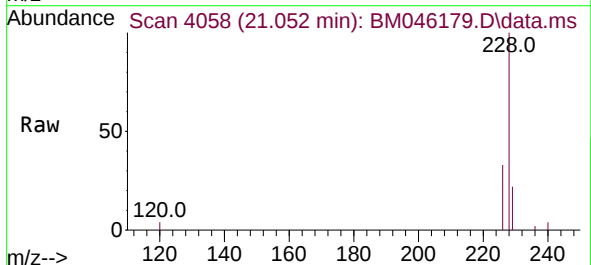
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Ion Ratio Lower Upper  
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229 21.8 16.4 24.6  
226 29.8 23.4 35.2

Manual Integrations  
APPROVED

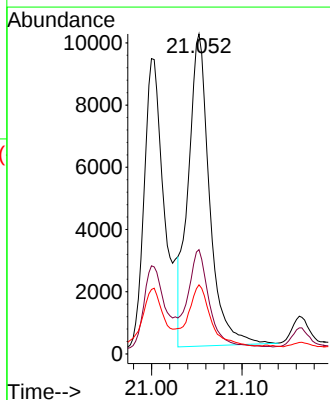
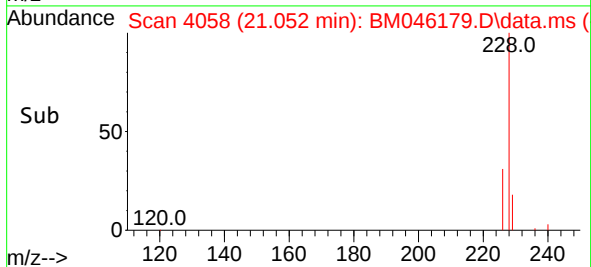
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024

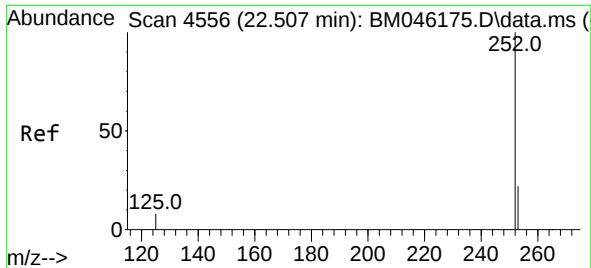


#22  
Chrysene  
Concen: 0.380 ng/u1  
RT: 21.052 min Scan# 4058  
Delta R.T. -0.024 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31



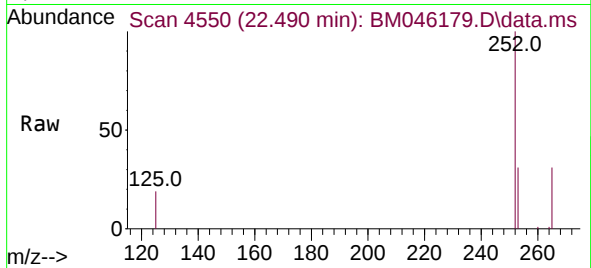
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Ion Ratio Lower Upper  
228 100  
226 32.6 25.2 37.8  
229 21.6 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 0.561 ng/ul m  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.030 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

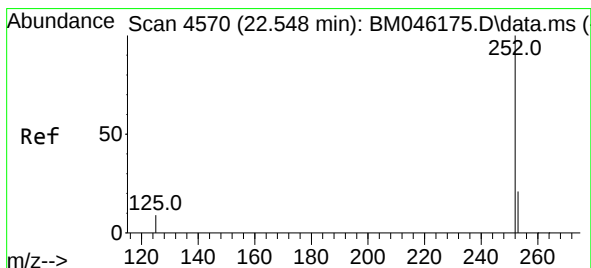
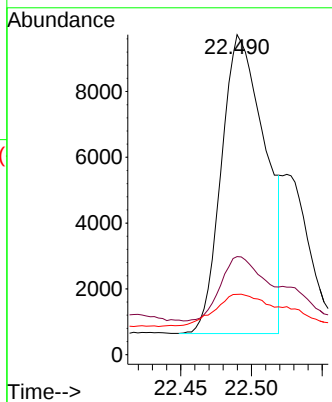
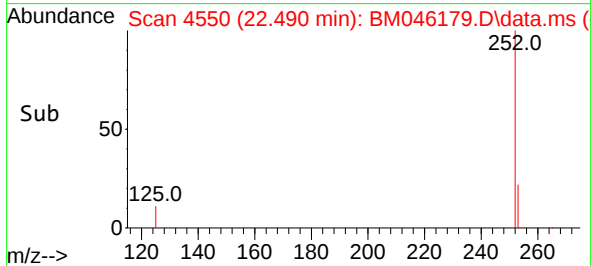
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



Tgt Ion:252 Resp: 1949  
Ion Ratio Lower Upper  
252 100  
253 30.7 0.0 65.8  
125 18.9 0.0 40.2

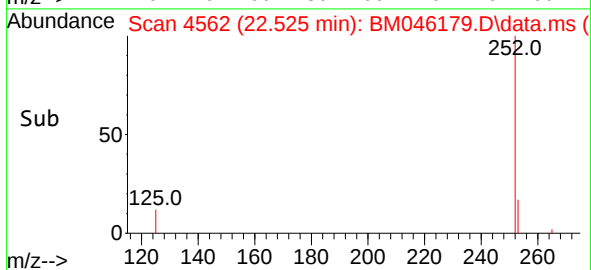
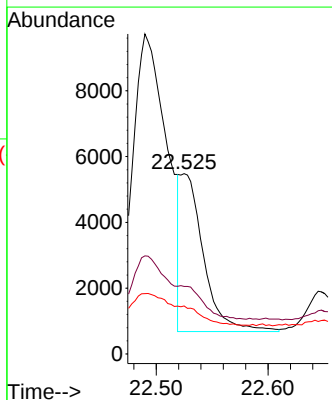
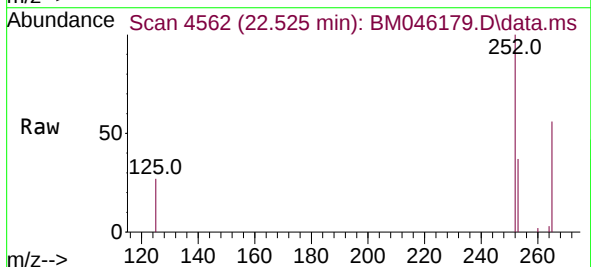
Manual Integrations  
APPROVED

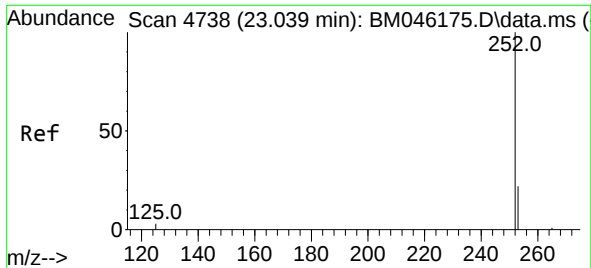
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.170 ng/ul m  
RT: 22.525 min Scan# 4562  
Delta R.T. -0.038 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

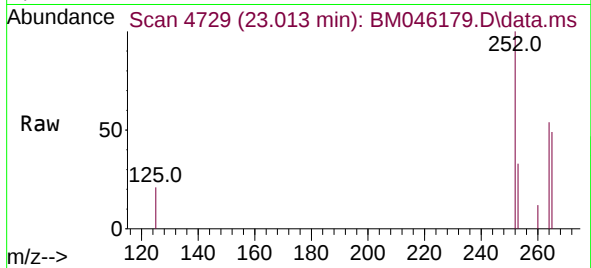
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Ion Ratio Lower Upper  
252 100  
253 37.5 27.2 40.8  
125 26.6 16.6 25.0#





#26  
Benzo(a)pyrene  
Concen: 0.425 ng/ul  
RT: 23.013 min Scan# 4729  
Delta R.T. -0.041 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

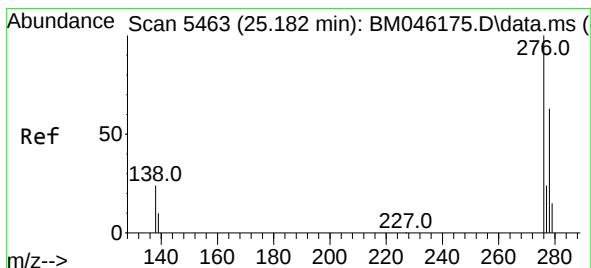
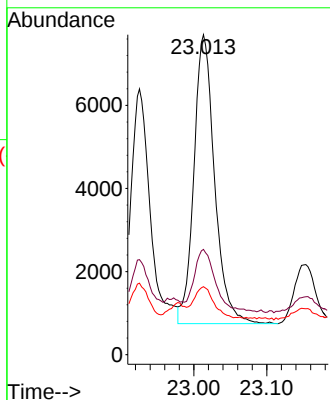
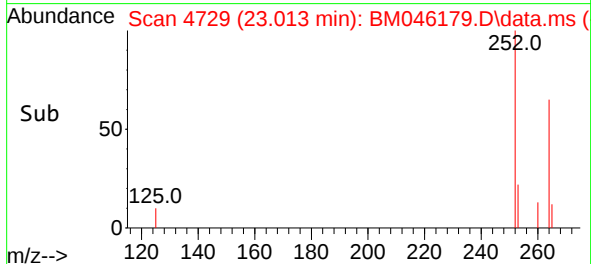
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



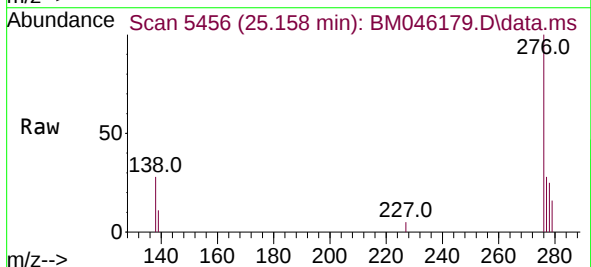
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252 100  
253 32.9 32.1 48.1  
125 21.3 21.2 31.8

Manual Integrations  
APPROVED

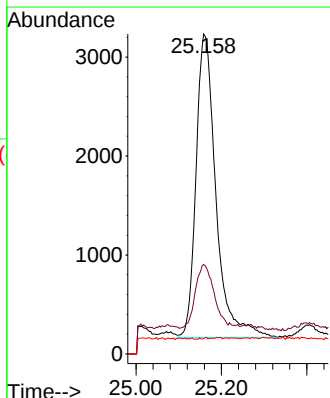
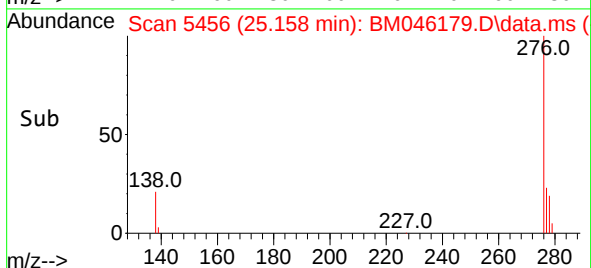
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024

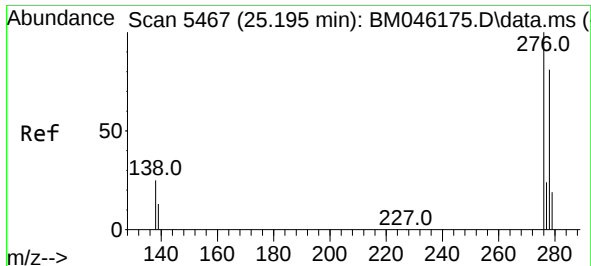


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.188 ng/ul  
RT: 25.158 min Scan# 5456  
Delta R.T. -0.044 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31



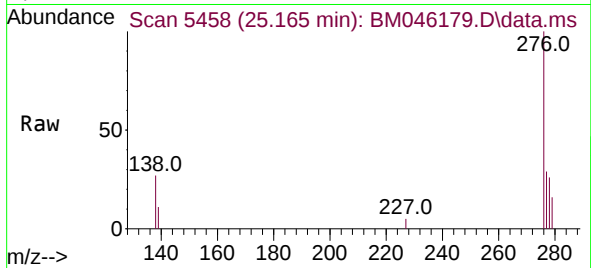
Tgt Ion:276 Resp: 9894  
Ion Ratio Lower Upper  
276 100  
138 20.2 21.0 31.4#  
227 0.1 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.057 ng/ul  
RT: 25.165 min Scan# 5467  
Delta R.T. -0.051 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

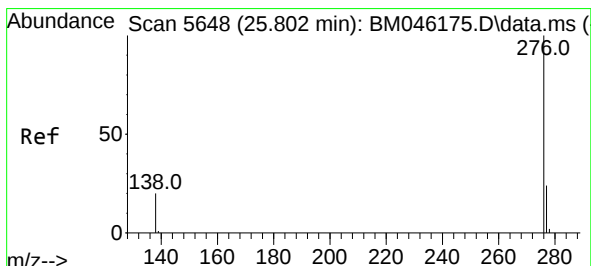
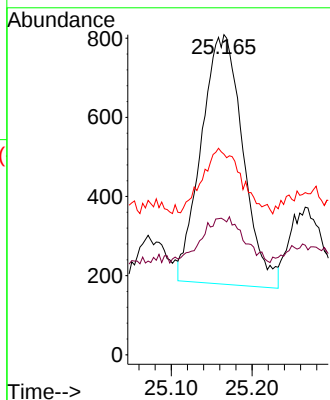
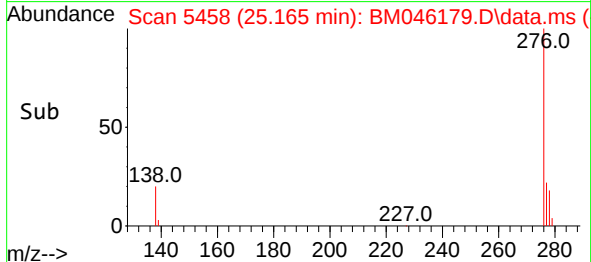
Instrument :  
BNA\_M  
ClientSampleId :  
A4B26DL



Tgt Ion:278 Resp: 225  
Ion Ratio Lower Upper  
278 100  
139 42.2 17.6 26.4  
279 62.7 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.233 ng/ul  
RT: 25.782 min Scan# 5642  
Delta R.T. -0.047 min  
Lab File: BM046179.D  
Acq: 22 Jun 2024 03:31

Tgt Ion:276 Resp: 10534  
Ion Ratio Lower Upper  
276 100  
138 29.5 21.7 32.5  
277 28.2 20.4 30.6

