

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046251.D  
 Acq On : 24 Jun 2024 13:50  
 Operator : MA/JU  
 Sample : P2776-02MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY6MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 14:53:53 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 : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.438  | 152  | 1897     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.220 | 136  | 5885     | 0.400 | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.066 | 164  | 3478     | 0.400 | ng/ul  | -0.05    |
| 13) Phenanthrene-d10        | 16.811 | 188  | 6977     | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.003 | 240  | 6125     | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.095 | 264  | 7829m    | 0.400 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.029  | 96   | 944      | 0.363 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.821 | 152  | 1988     | 0.252 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.834 | 212  | 4539     | 0.247 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.054  | 88   | 2526     | 0.865 | ng/ul# | 85       |
| 5) Naphthalene              | 10.264 | 128  | 5812     | 0.354 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.898 | 142  | 2928     | 0.317 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.101 | 142  | 2980     | 0.294 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.793 | 152  | 8132     | 0.493 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.131 | 153  | 4723     | 0.397 | ng/ul  | 99       |
| 12) Fluorene                | 15.135 | 166  | 5075     | 0.397 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.494 | 266  | 849      | 0.406 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.853 | 178  | 47077    | 2.402 | ng/ul  | 96       |
| 16) Anthracene              | 16.946 | 178  | 12267    | 0.840 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.866 | 202  | 115656   | 4.361 | ng/ul  | 96       |
| 20) Pyrene                  | 19.229 | 202  | 90677    | 3.162 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 20.986 | 228  | 56400    | 2.384 | ng/ul  | 99       |
| 22) Chrysene                | 21.038 | 228  | 58537    | 1.939 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.482 | 252  | 86042m   | 3.050 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.517 | 252  | 40354m   | 1.203 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.005 | 252  | 35868    | 1.372 | ng/ul# | 79       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.132 | 276  | 39863    | 0.932 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.145 | 278  | 16506    | 0.518 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 25.756 | 276  | 6097     | 0.166 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

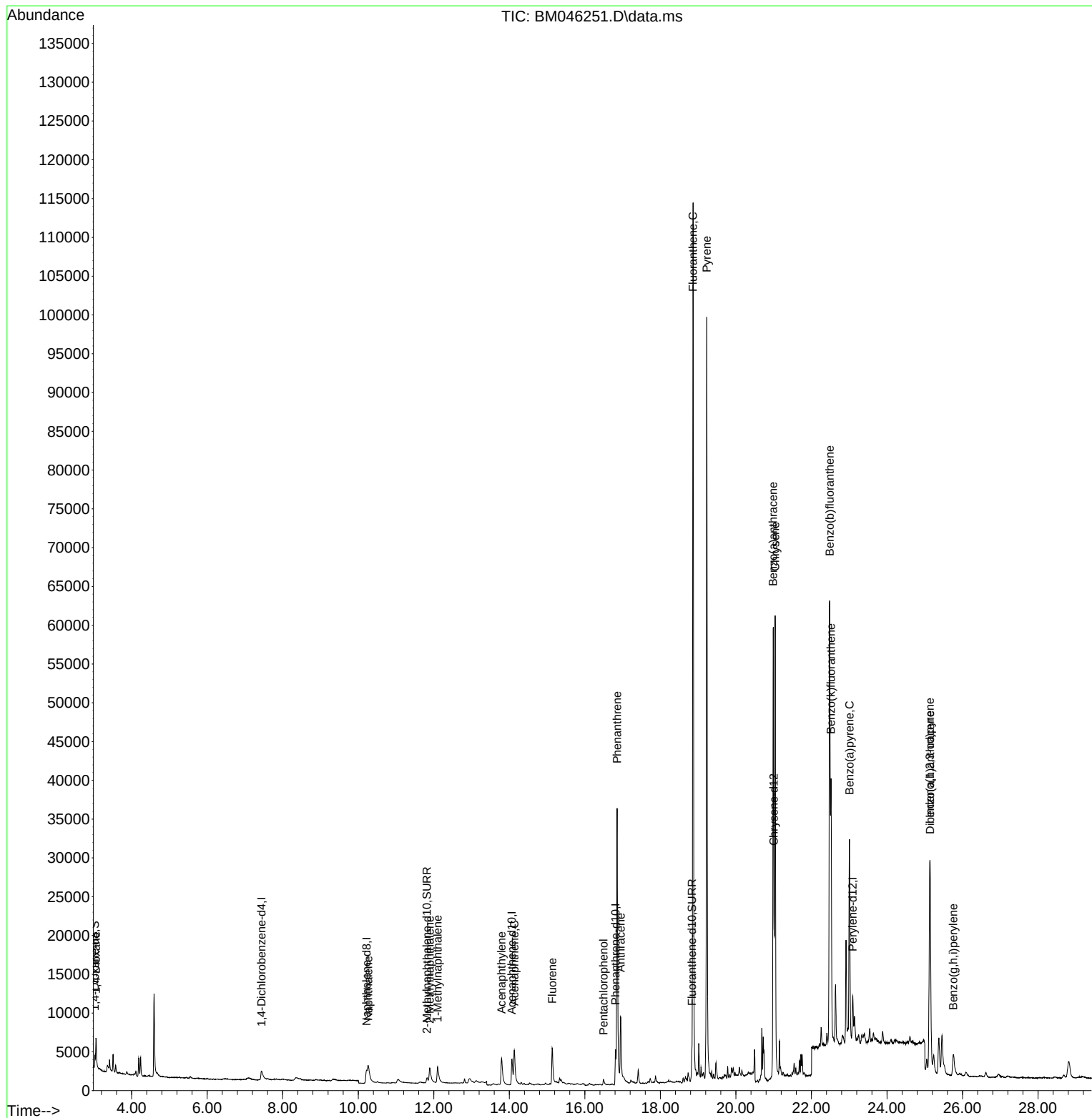
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046251.D  
Acq On : 24 Jun 2024 13:50  
Operator : MA/JU  
Sample : P2776-02MS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

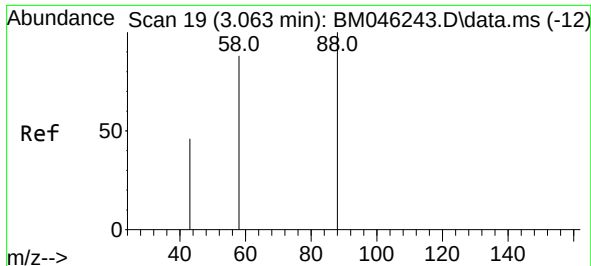
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

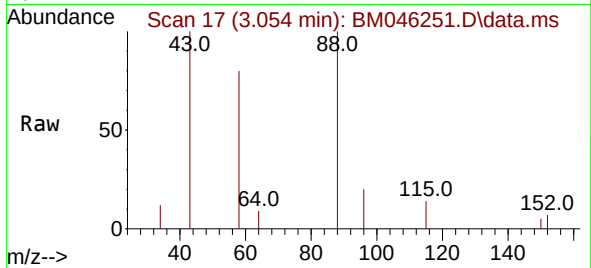
Quant Time: Jun 24 14:53:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 02:25:34 2024  
Response via : Initial Calibration





#2  
1,4-Dioxane  
Concen: 0.865 ng/ul  
RT: 3.054 min Scan# 17  
Delta R.T. -0.021 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

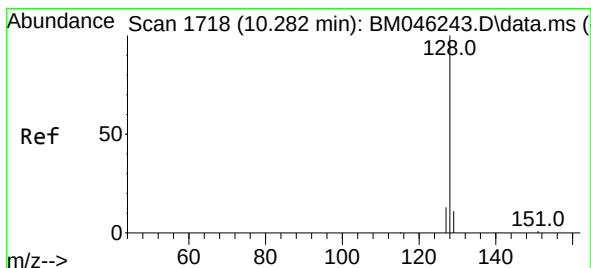
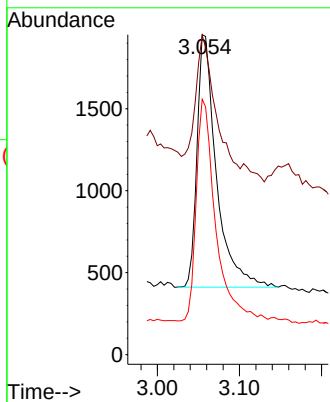
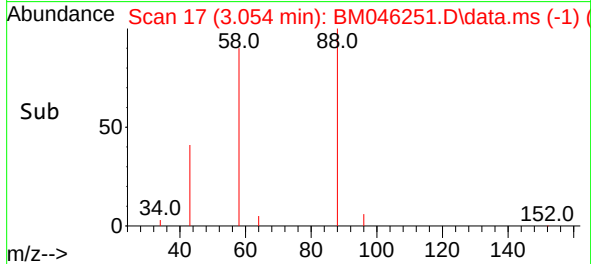
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion: 88 Resp: 2520  
Ion Ratio Lower Upper  
88 100  
43 99.8 69.8 104.8  
58 79.9 53.2 79.8

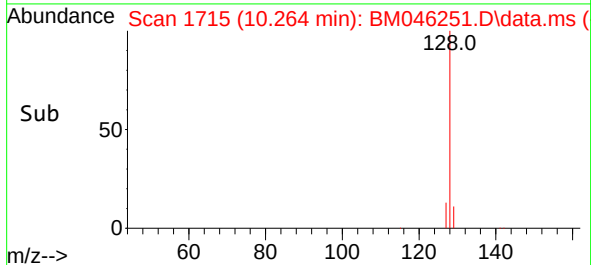
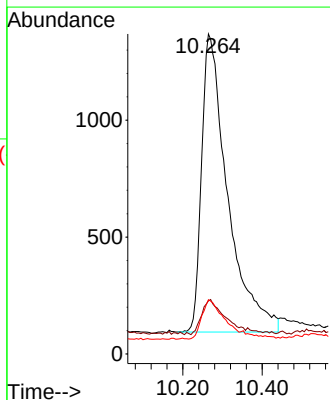
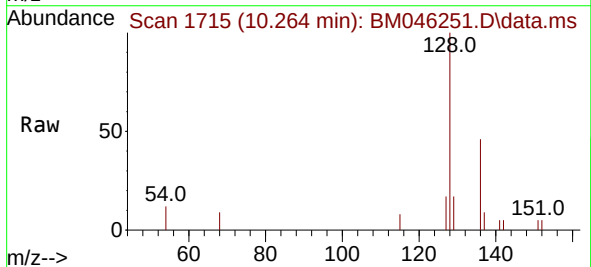
Manual Integrations  
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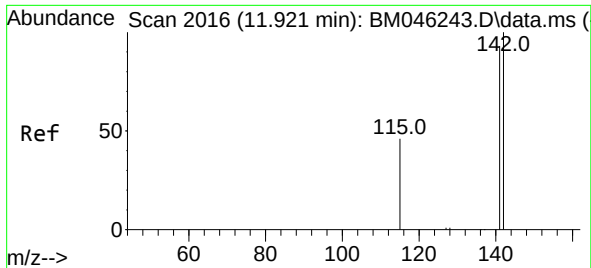
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#5  
Naphthalene  
Concen: 0.354 ng/ul  
RT: 10.264 min Scan# 1715  
Delta R.T. -0.038 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

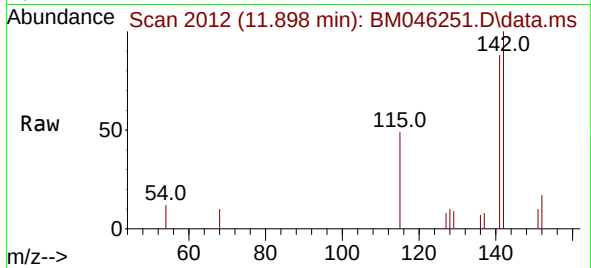
Tgt Ion:128 Resp: 5812  
Ion Ratio Lower Upper  
128 100  
129 16.6 11.8 17.6  
127 16.9 12.8 19.2





#7  
2-Methylnaphthalene  
Concen: 0.317 ng/ul  
RT: 11.898 min Scan# 2012  
Delta R.T. -0.049 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

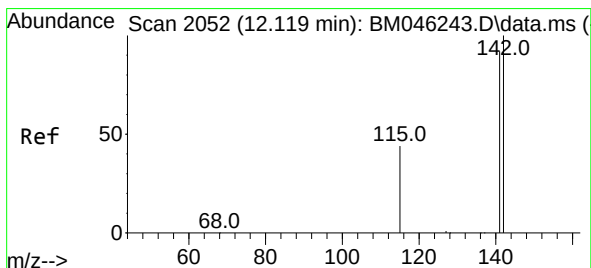
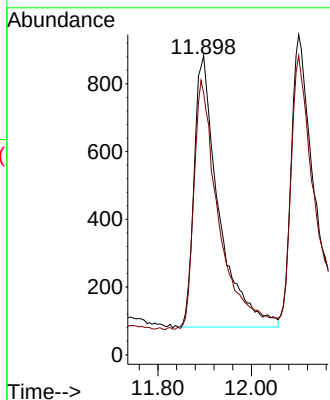
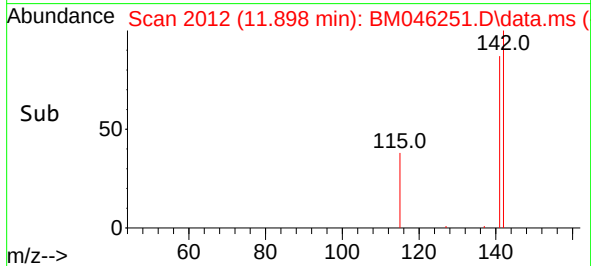
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:142 Resp: 2928  
Ion Ratio Lower Upper  
142 100  
141 93.7 74.6 111.8

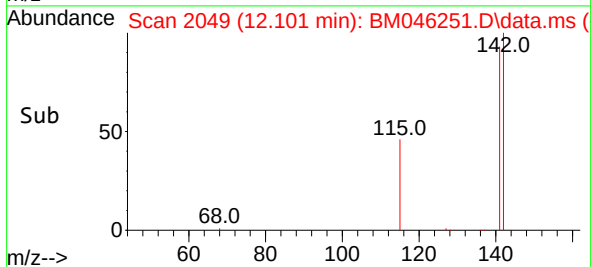
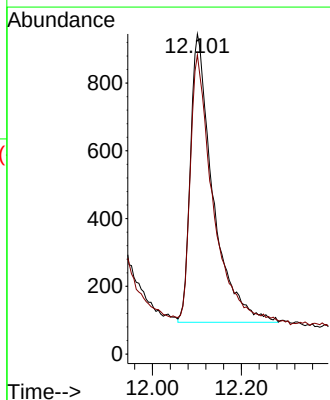
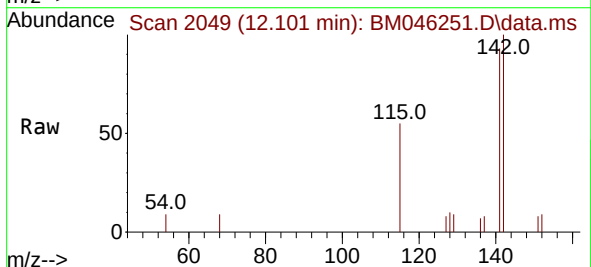
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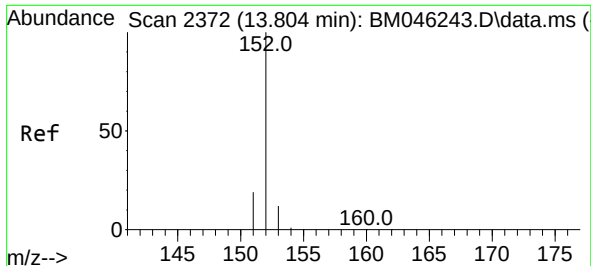
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#8  
1-Methylnaphthalene  
Concen: 0.294 ng/ul  
RT: 12.101 min Scan# 2049  
Delta R.T. -0.049 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

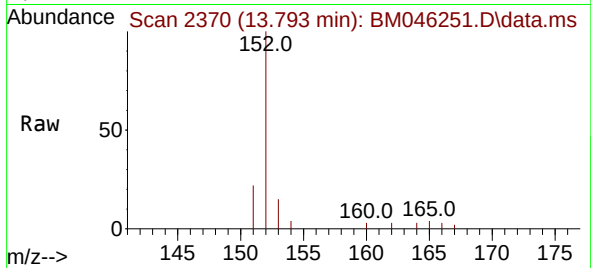
Tgt Ion:142 Resp: 2980  
Ion Ratio Lower Upper  
142 100  
141 92.4 75.2 112.8





#10  
Acenaphthylene  
Concen: 0.493 ng/u1  
RT: 13.793 min Scan# 213  
Delta R.T. -0.042 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

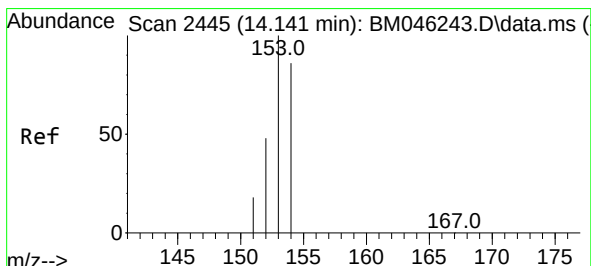
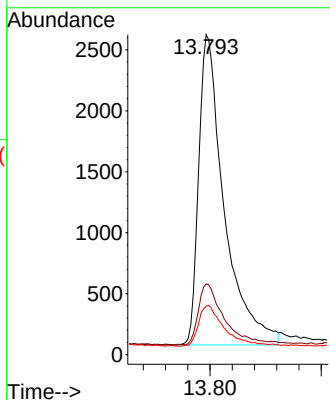
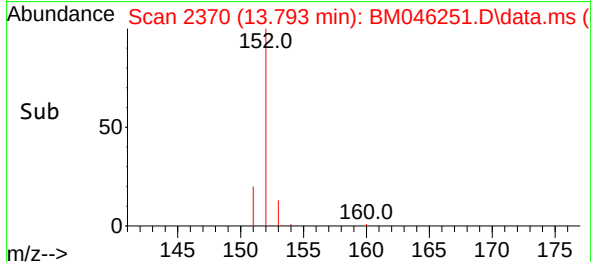
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:152 Resp: 813  
Ion Ratio Lower Upper  
152 100  
151 22.1 17.4 26.2  
153 15.2 11.8 17.8

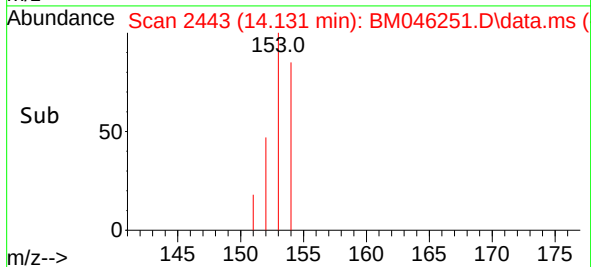
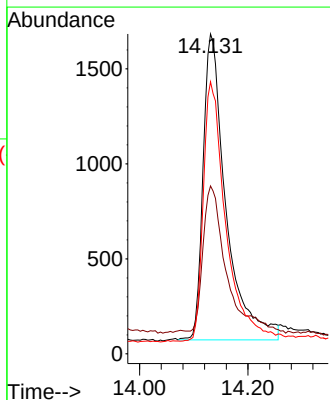
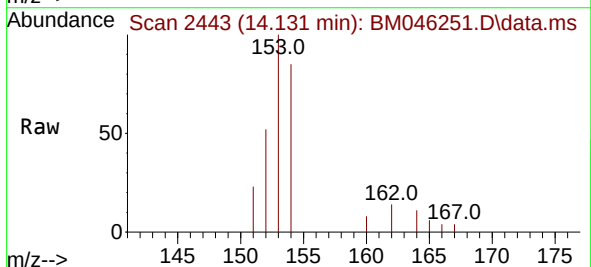
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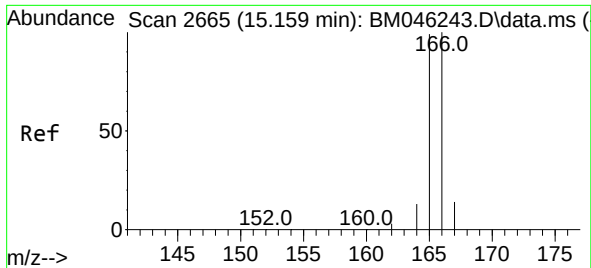
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#11  
Acenaphthene  
Concen: 0.397 ng/u1  
RT: 14.131 min Scan# 2443  
Delta R.T. -0.042 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

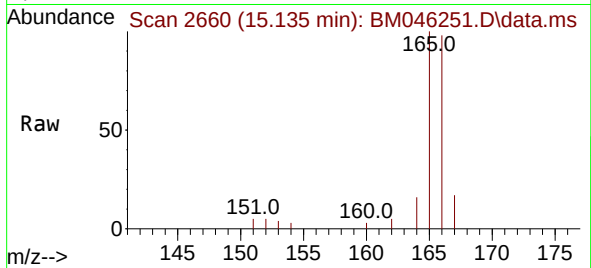
Tgt Ion:153 Resp: 4723  
Ion Ratio Lower Upper  
153 100  
152 52.5 41.3 61.9  
154 85.0 68.2 102.4





#12  
Fluorene  
Concen: 0.397 ng/ul  
RT: 15.135 min Scan# 2660  
Delta R.T. -0.046 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

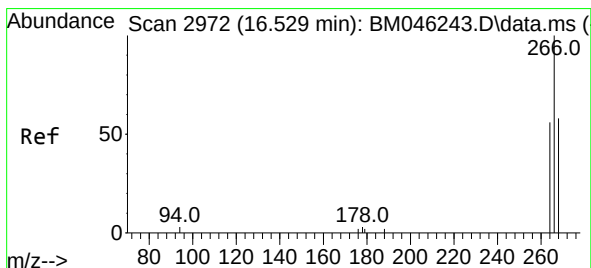
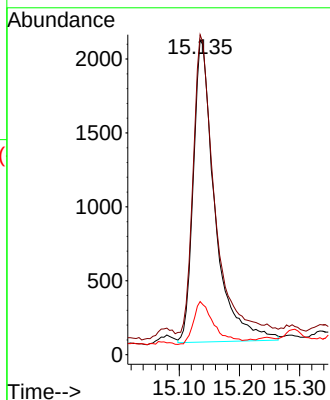
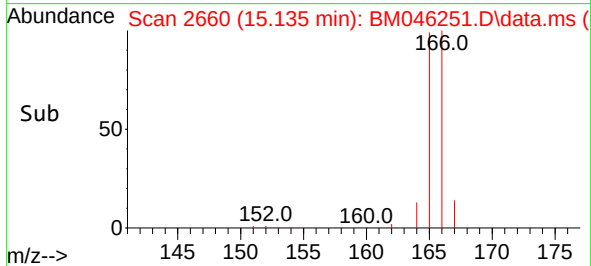
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:166 Resp: 507  
Ion Ratio Lower Upper  
166 100  
165 101.6 80.4 120.6  
167 16.9 12.4 18.6

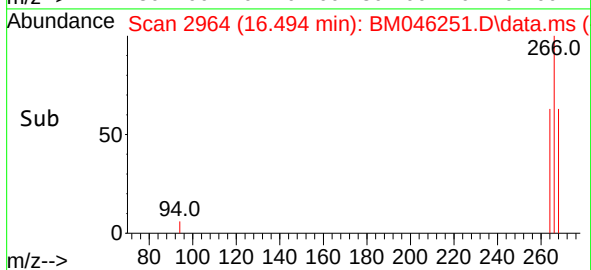
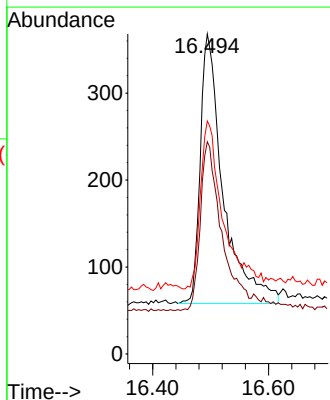
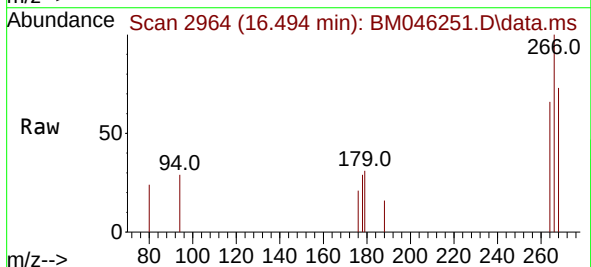
Manual Integrations  
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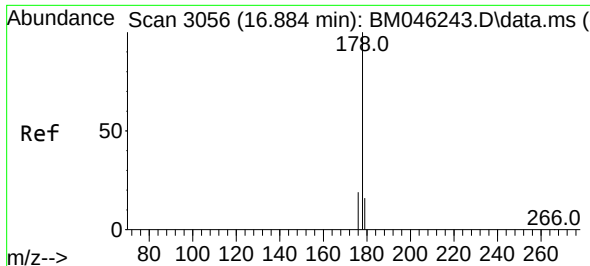
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#14  
Pentachlorophenol  
Concen: 0.406 ng/ul  
RT: 16.494 min Scan# 2964  
Delta R.T. -0.072 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

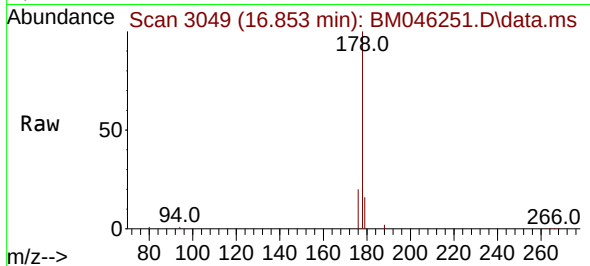
Tgt Ion:266 Resp: 849  
Ion Ratio Lower Upper  
266 100  
264 64.2 50.9 76.3  
268 64.3 52.3 78.5





#15  
Phenanthrene  
Concen: 2.402 ng/u1  
RT: 16.853 min Scan# 3071  
Delta R.T. -0.051 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

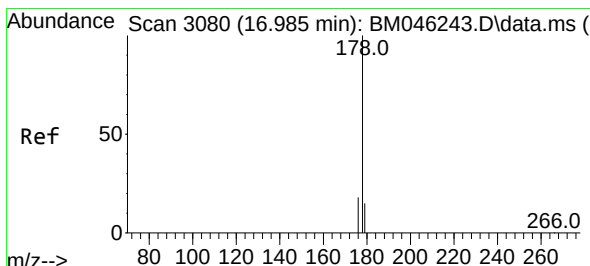
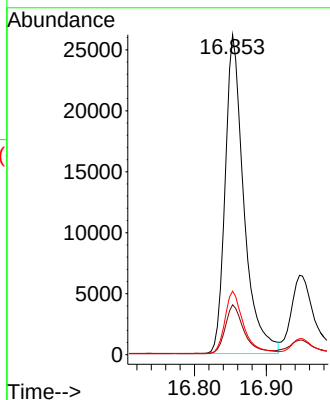
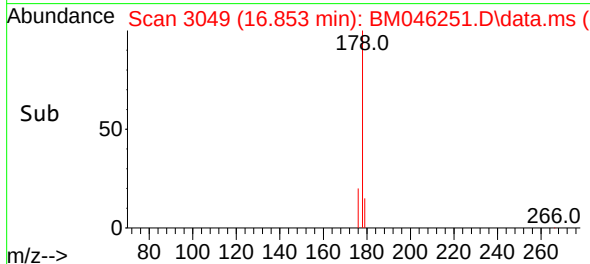
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:178 Resp: 4707  
Ion Ratio Lower Upper  
178 100  
179 15.6 14.2 21.2  
176 19.8 17.1 25.7

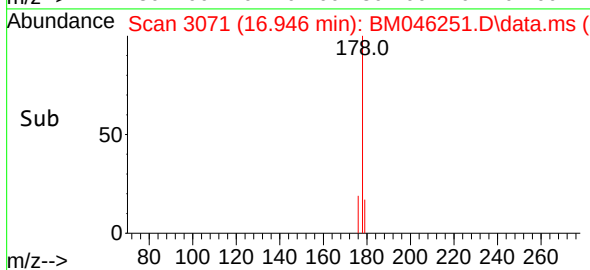
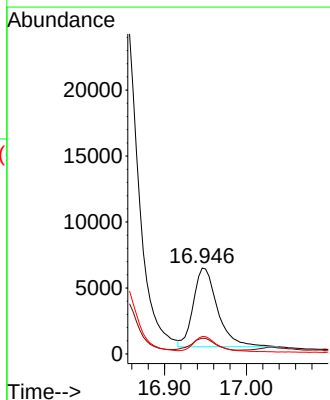
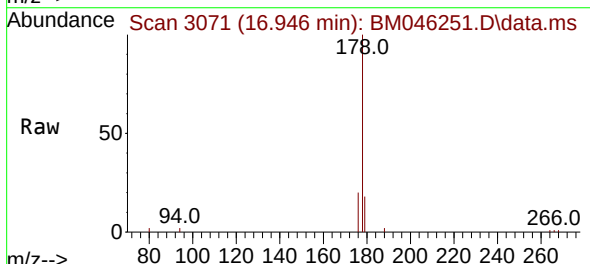
Manual Integrations  
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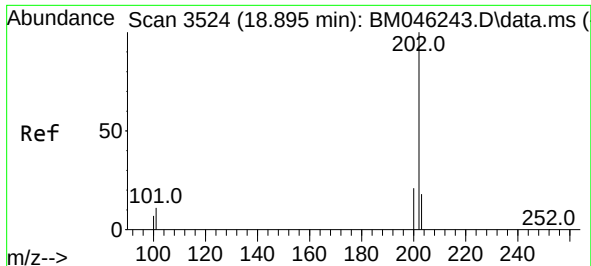
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#16  
Anthracene  
Concen: 0.840 ng/u1  
RT: 16.946 min Scan# 3071  
Delta R.T. -0.059 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

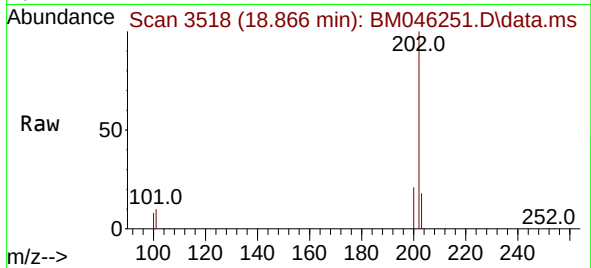
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Ion Ratio Lower Upper  
178 100  
179 18.3 14.9 22.3  
176 20.2 17.0 25.4





#19  
Fluoranthene  
Concen: 4.361 ng/u1  
RT: 18.866 min Scan# 3518  
Delta R.T. -0.051 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

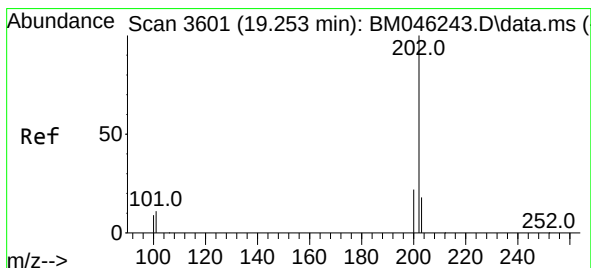
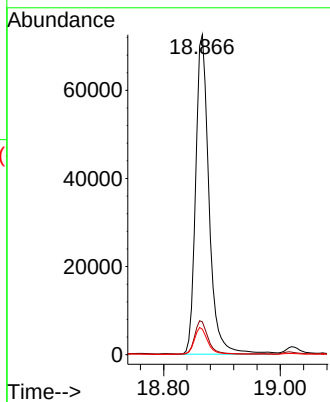
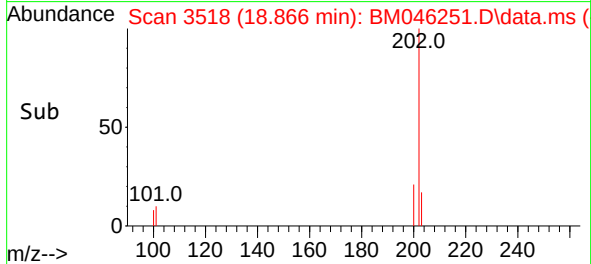
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:202 Resp: 115650  
Ion Ratio Lower Upper  
202 100  
101 10.2 9.6 14.4  
100 8.0 7.6 11.4

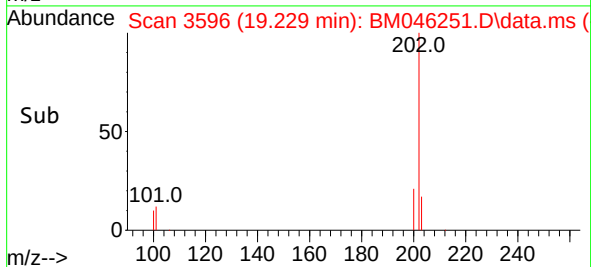
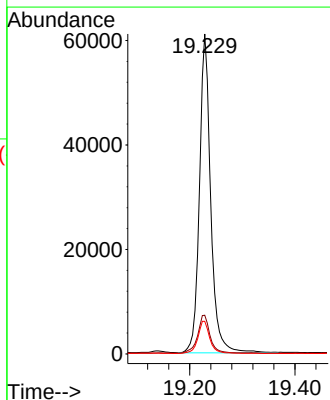
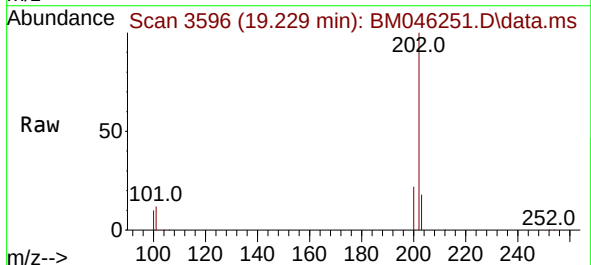
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 06/27/2024

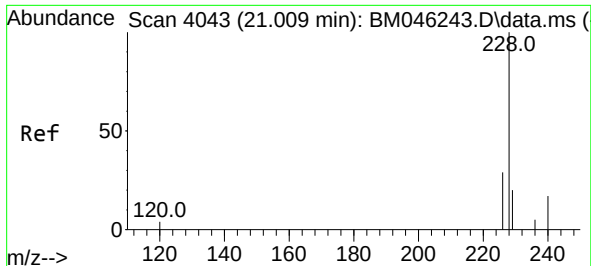


#20  
Pyrene  
Concen: 3.162 ng/u1  
RT: 19.229 min Scan# 3596  
Delta R.T. -0.046 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

Tgt Ion:202 Resp: 90677  
Ion Ratio Lower Upper  
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100 10.2 9.8 14.6

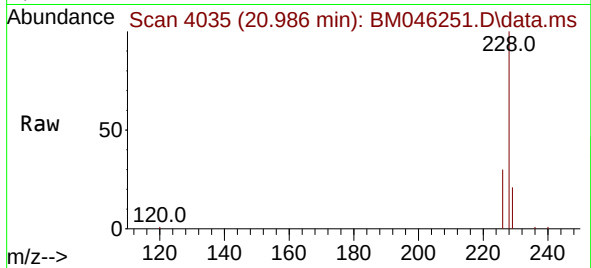






#21  
Benzo(a)anthracene  
Concen: 2.384 ng/ul  
RT: 20.986 min Scan# 4043  
Delta R.T. -0.044 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

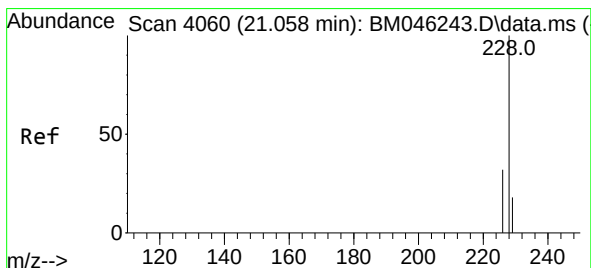
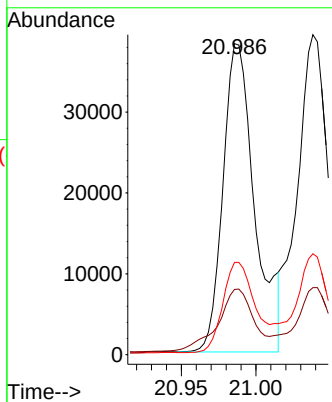
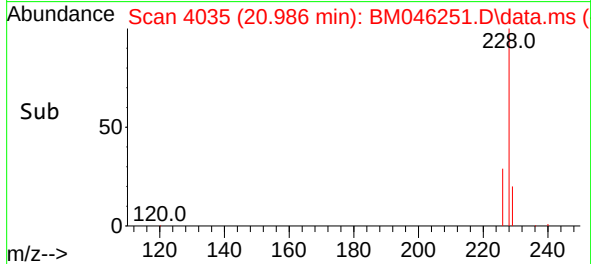
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:228 Resp: 56400  
Ion Ratio Lower Upper  
228 100  
229 21.0 16.4 24.6  
226 29.7 23.4 35.2

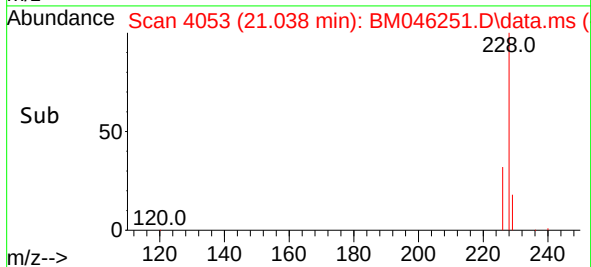
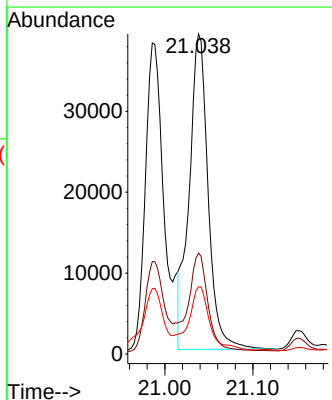
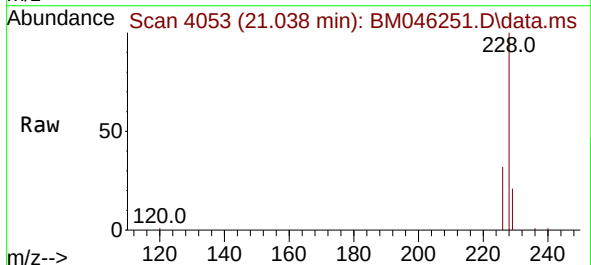
Manual Integrations  
APPROVED

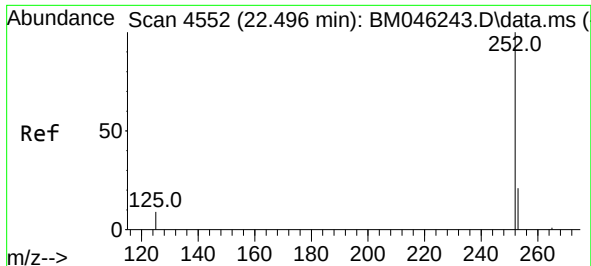
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#22  
Chrysene  
Concen: 1.939 ng/ul  
RT: 21.038 min Scan# 4053  
Delta R.T. -0.038 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

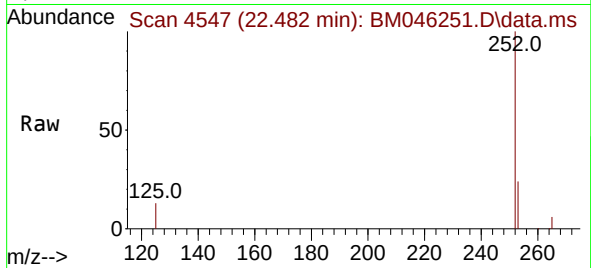
Tgt Ion:228 Resp: 58537  
Ion Ratio Lower Upper  
228 100  
226 31.5 25.2 37.8  
229 20.9 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 3.050 ng/ul m  
RT: 22.482 min Scan# 4547  
Delta R.T. -0.038 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

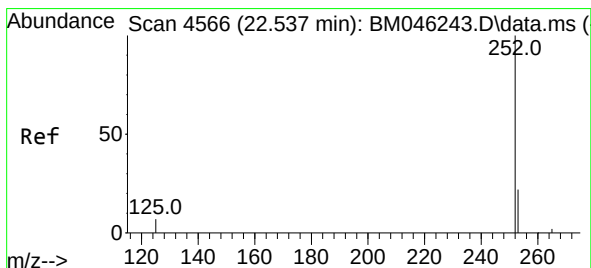
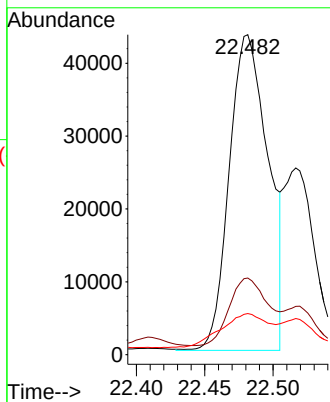
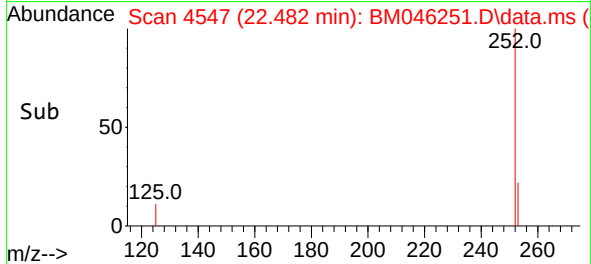
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



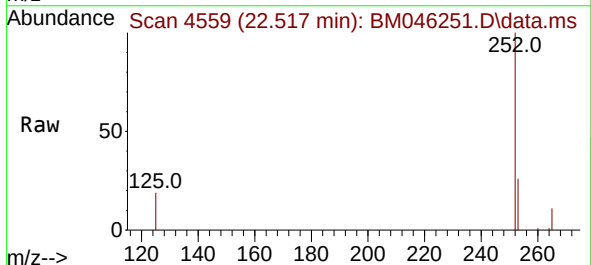
Tgt Ion:252 Resp: 8604  
Ion Ratio Lower Upper  
252 100  
253 24.0 0.0 65.8  
125 12.8 0.0 40.2

Manual Integrations  
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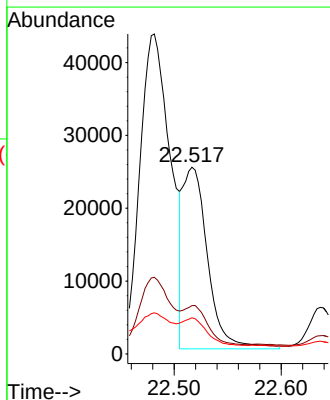
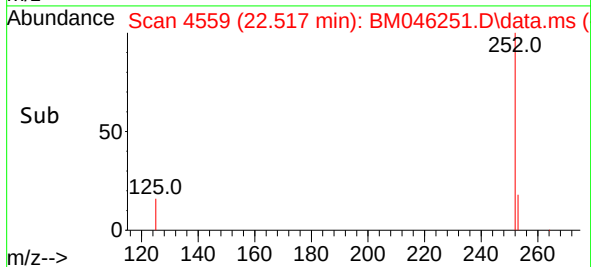
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024

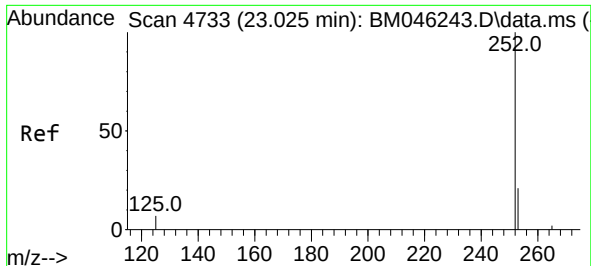


#25  
Benzo(k)fluoranthene  
Concen: 1.203 ng/ul m  
RT: 22.517 min Scan# 4559  
Delta R.T. -0.047 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50



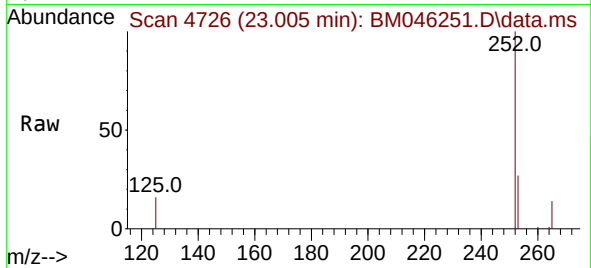
Tgt Ion:252 Resp: 40354  
Ion Ratio Lower Upper  
252 100  
253 25.9 27.2 40.8#  
125 19.4 16.6 25.0





#26  
Benzo(a)pyrene  
Concen: 1.372 ng/ul  
RT: 23.005 min Scan# 41  
Delta R.T. -0.050 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

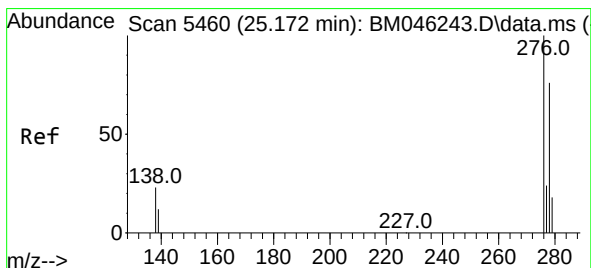
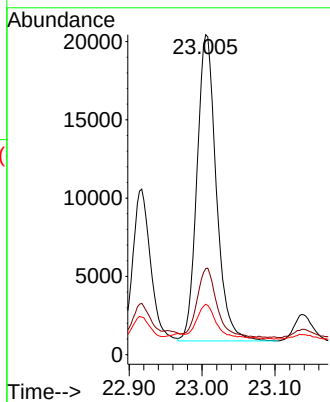
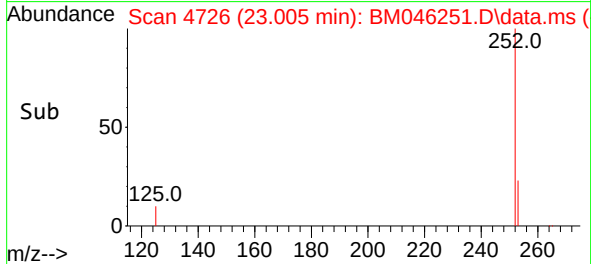
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:252 Resp: 3586  
Ion Ratio Lower Upper  
252 100  
253 26.9 32.1 48.1  
125 15.7 21.2 31.8

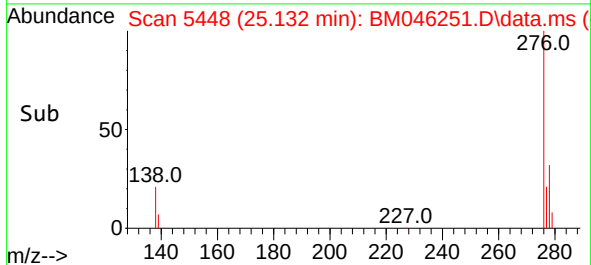
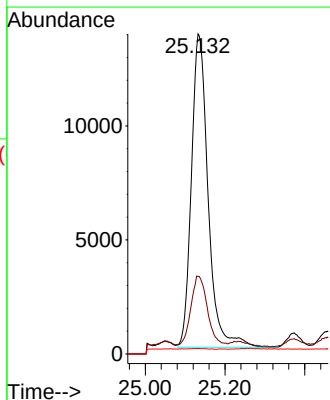
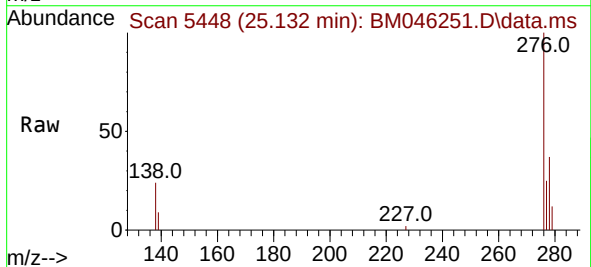
Manual Integrations  
APPROVED

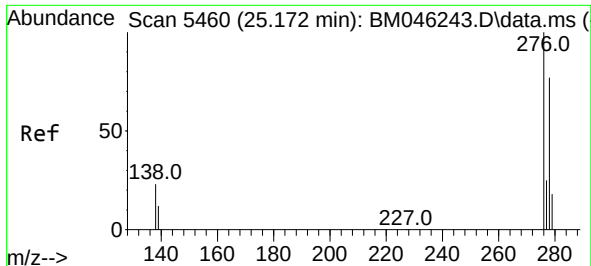
Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.932 ng/ul  
RT: 25.132 min Scan# 5448  
Delta R.T. -0.070 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

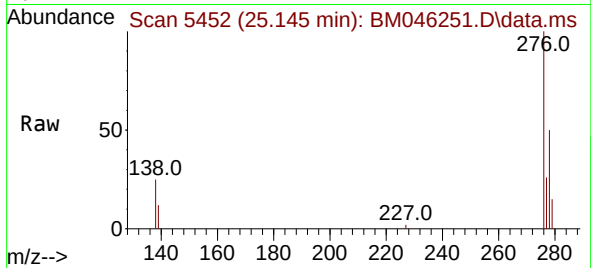
Tgt Ion:276 Resp: 39863  
Ion Ratio Lower Upper  
276 100  
138 23.3 21.0 31.4  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.518 ng/ul  
RT: 25.145 min Scan# 5460  
Delta R.T. -0.070 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

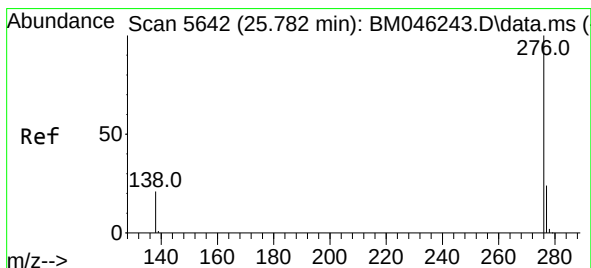
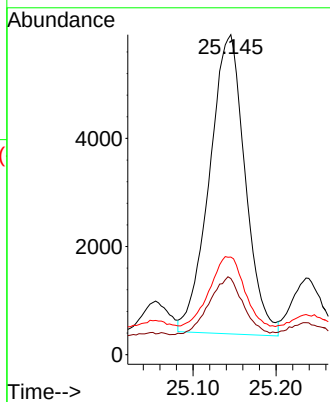
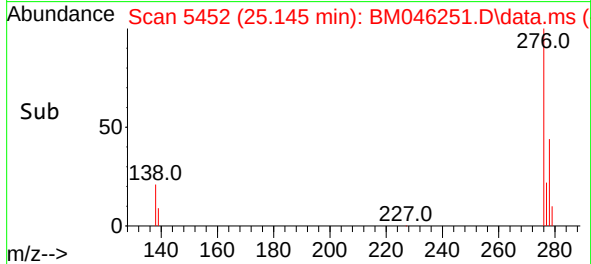
Instrument :  
BNA\_M  
ClientSampleId :  
A4CY6MS



Tgt Ion:278 Resp: 16500  
Ion Ratio Lower Upper  
278 100  
139 23.8 17.6 26.4  
279 30.5 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/25/2024  
Supervised By :mohammad ahmed 06/27/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.166 ng/ul  
RT: 25.756 min Scan# 5634  
Delta R.T. -0.074 min  
Lab File: BM046251.D  
Acq: 24 Jun 2024 13:50

Tgt Ion:276 Resp: 6097  
Ion Ratio Lower Upper  
276 100  
138 34.7 21.7 32.5#  
277 33.3 20.4 30.6#

