

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046198.D  
 Acq On : 22 Jun 2024 15:15  
 Operator : MA/JU  
 Sample : P2775-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C97

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 22 15:53:11 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   | 7.413  | 152  | 2232     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.187 | 136  | 6912     | 0.400 | ng/ul  | -0.07    |
| 9) Acenaphthene-d10         | 14.061 | 164  | 3868     | 0.400 | ng/ul  | -0.05    |
| 13) Phenanthrene-d10        | 16.807 | 188  | 8154m    | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.015 | 240  | 6348m    | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.101 | 264  | 6831m    | 0.400 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.025  | 96   | 9199     | 3.004 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.815 | 152  | 2167     | 0.233 | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.843 | 212  | 4699     | 0.247 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.231 | 128  | 458      | 0.024 | ng/ul# | 50       |
| 10) Acenaphthylene          | 13.784 | 152  | 2178     | 0.119 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.121 | 153  | 433      | 0.033 | ng/ul# | 88       |
| 12) Fluorene                | 15.121 | 166  | 658      | 0.046 | ng/ul# | 94       |
| 15) Phenanthrene            | 16.849 | 178  | 12779m   | 0.558 | ng/ul  |          |
| 16) Anthracene              | 16.942 | 178  | 3267m    | 0.191 | ng/ul  |          |
| 19) Fluoranthene            | 18.871 | 202  | 28187    | 1.026 | ng/ul  | 98       |
| 20) Pyrene                  | 19.233 | 202  | 25118    | 0.845 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 20.997 | 228  | 13162    | 0.537 | ng/ul  | 95       |
| 22) Chrysene                | 21.050 | 228  | 12720    | 0.406 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.487 | 252  | 19453m   | 0.790 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.519 | 252  | 7481m    | 0.256 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.008 | 252  | 12502    | 0.548 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.155 | 276  | 10260    | 0.275 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.155 | 278  | 2343     | 0.084 | ng/ul# | 46       |
| 29) Benzo(g,h,i)perylene    | 25.776 | 276  | 10417    | 0.325 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

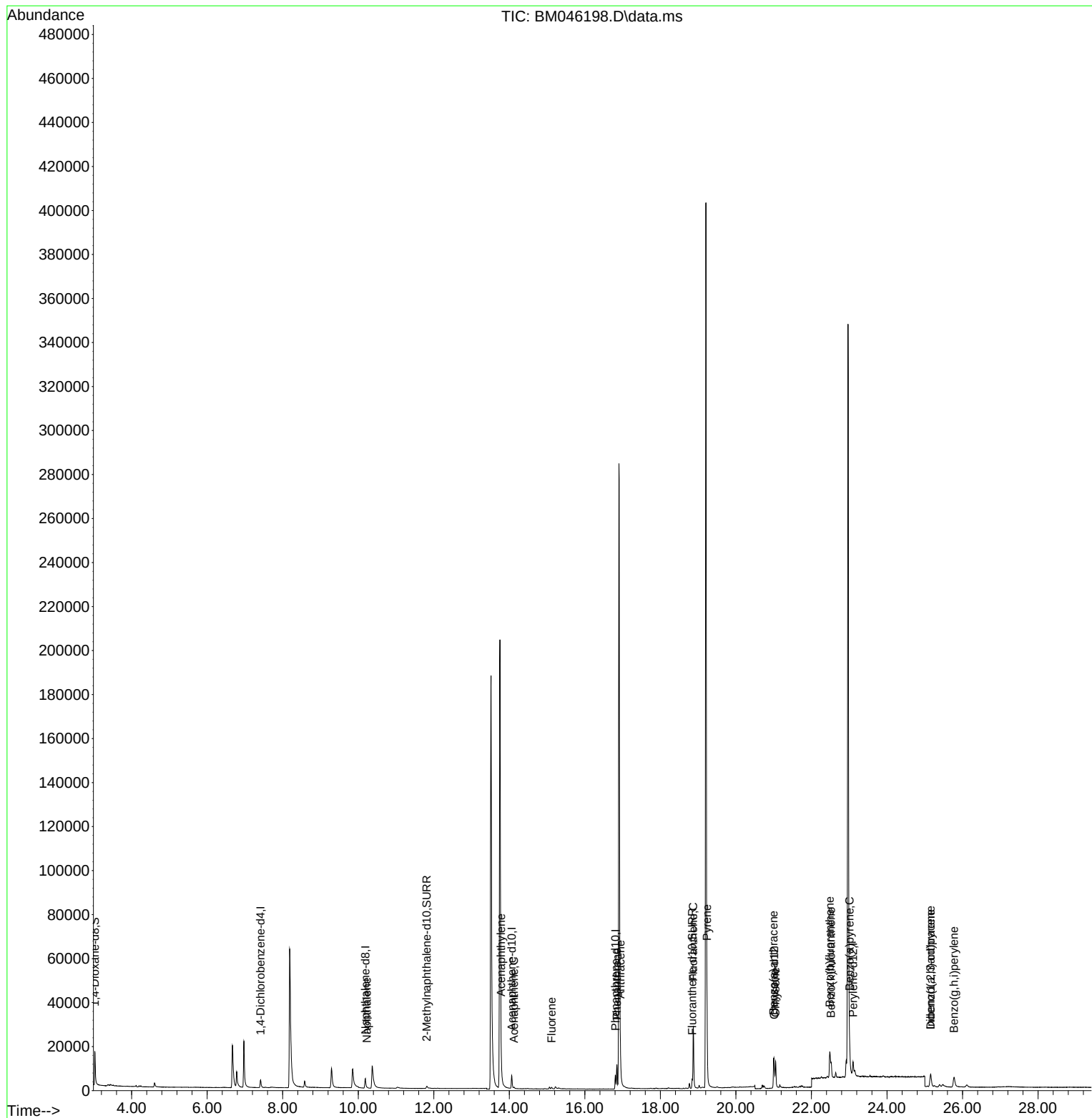
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046198.D  
Acq On : 22 Jun 2024 15:15  
Operator : MA/JU  
Sample : P2775-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

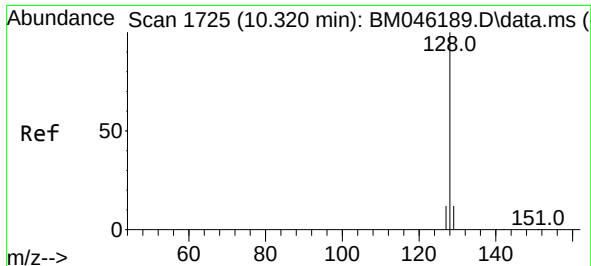
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97

Manual Integrations  
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Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

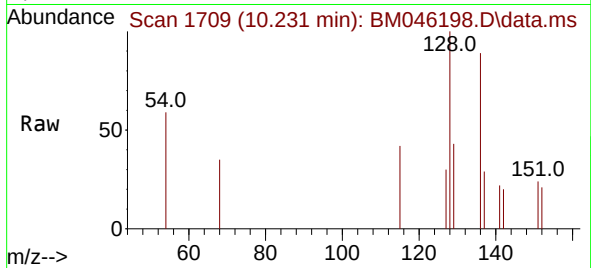
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 22 02:10:56 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.024 ng/ul  
RT: 10.231 min Scan# 1725  
Delta R.T. -0.071 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

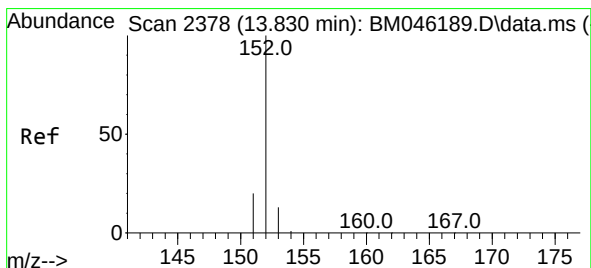
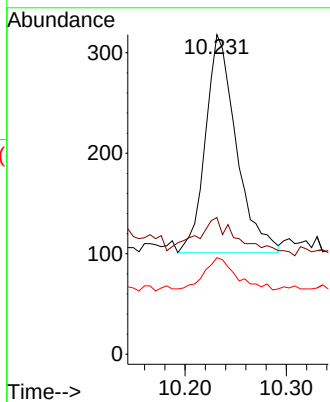
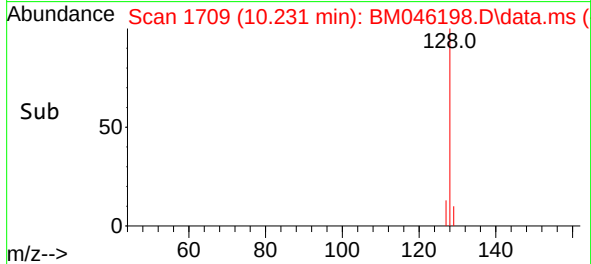
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



Tgt Ion:128 Resp: 458  
Ion Ratio Lower Upper  
128 100  
129 42.8 11.8 17.6  
127 30.2 12.8 19.2

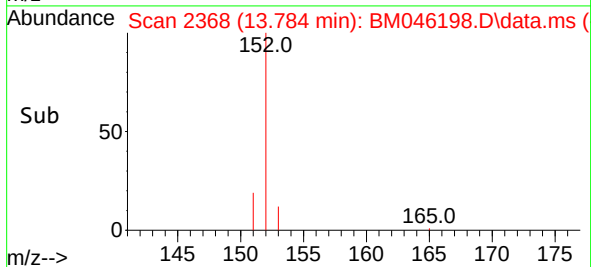
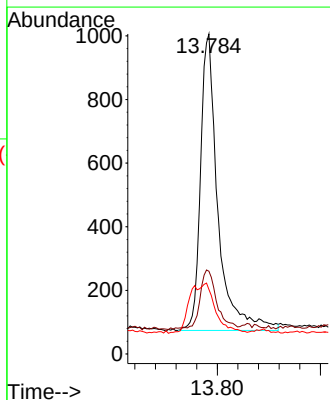
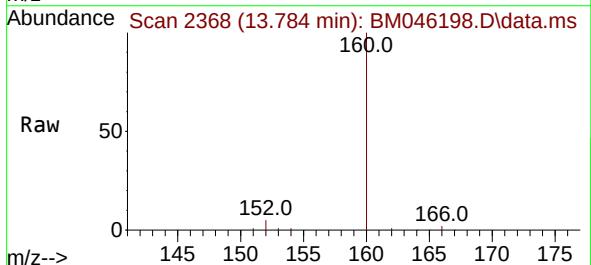
Manual Integrations  
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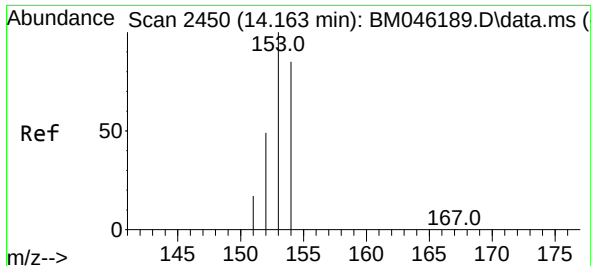
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#10  
Acenaphthylene  
Concen: 0.119 ng/ul  
RT: 13.784 min Scan# 2368  
Delta R.T. -0.051 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

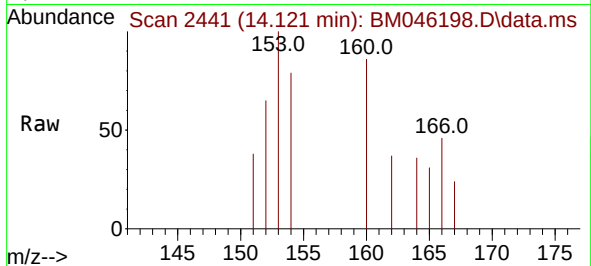
Tgt Ion:152 Resp: 2178  
Ion Ratio Lower Upper  
152 100  
151 25.8 17.4 26.2  
153 20.2 11.8 17.8





#11  
Acenaphthene  
Concen: 0.033 ng/ul  
RT: 14.121 min Scan# 2450  
Delta R.T. -0.051 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

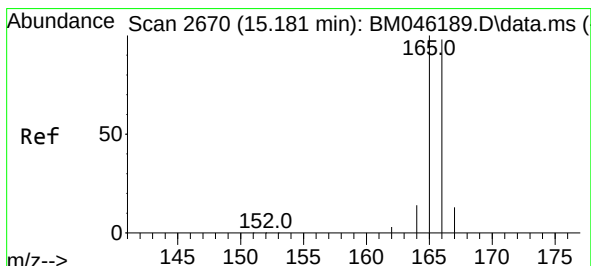
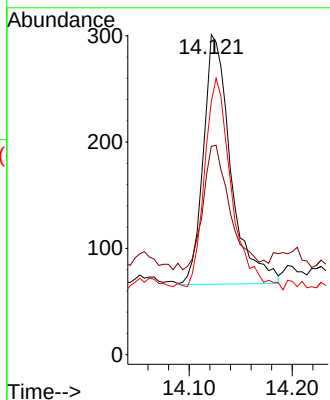
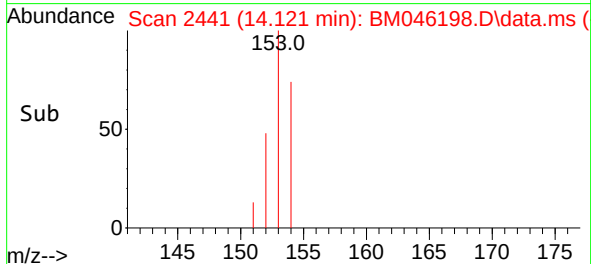
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



Tgt Ion:153 Resp: 438  
Ion Ratio Lower Upper  
153 100  
152 65.1 41.3 61.9  
154 79.1 68.2 102.4

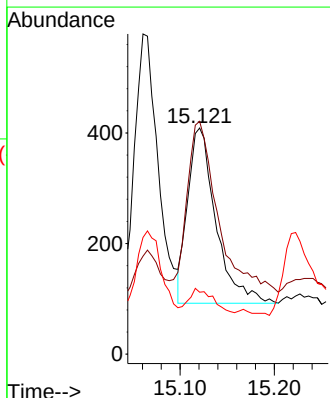
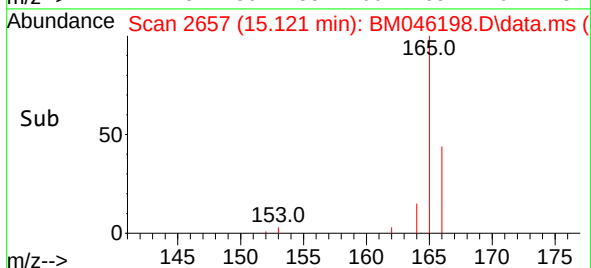
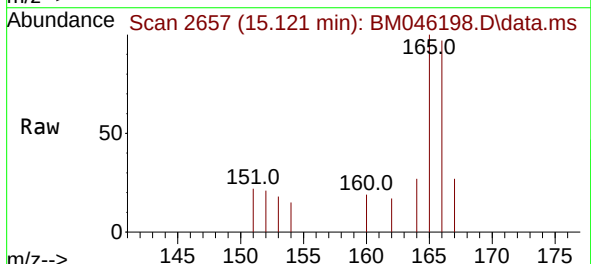
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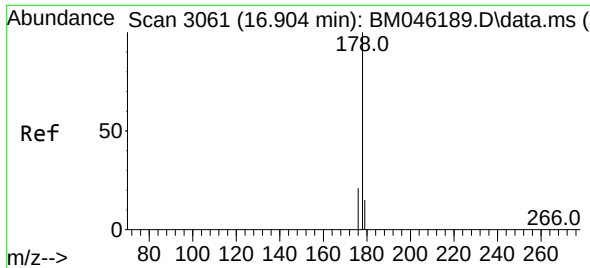
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#12  
Fluorene  
Concen: 0.046 ng/ul  
RT: 15.121 min Scan# 2657  
Delta R.T. -0.060 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

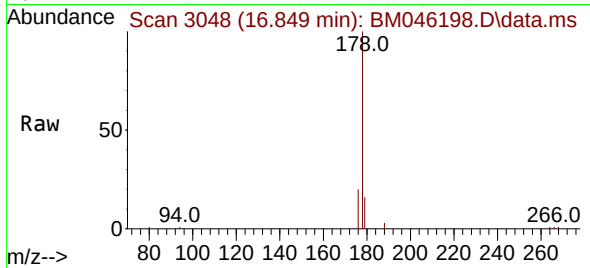
Tgt Ion:166 Resp: 658  
Ion Ratio Lower Upper  
166 100  
165 102.9 80.4 120.6  
167 27.4 12.4 18.6





#15  
Phenanthrene  
Concen: 0.558 ng/ul m  
RT: 16.849 min Scan# 3070  
Delta R.T. -0.055 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

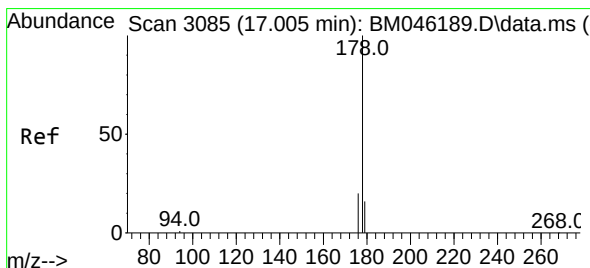
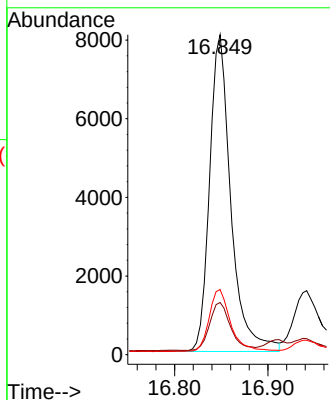
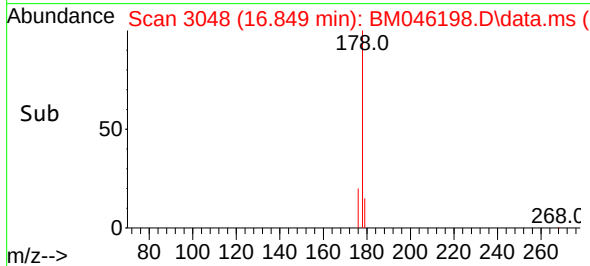
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



Tgt Ion:178 Resp: 12779  
Ion Ratio Lower Upper  
178 100  
179 16.3 14.2 21.2  
176 20.3 17.1 25.7

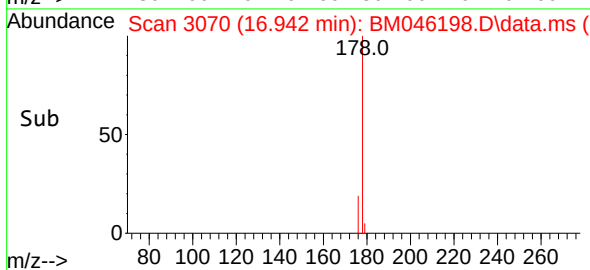
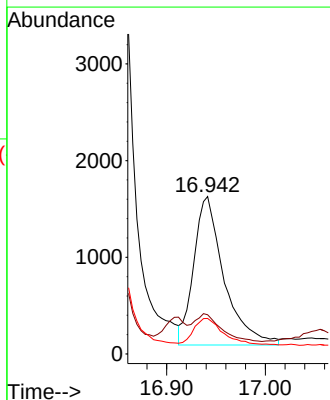
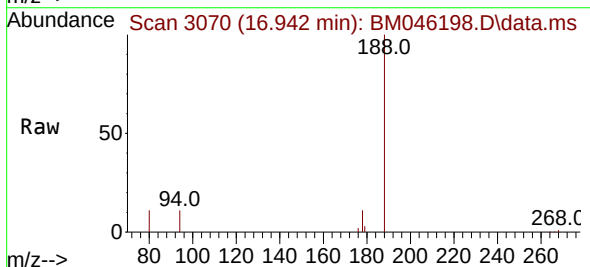
Manual Integrations  
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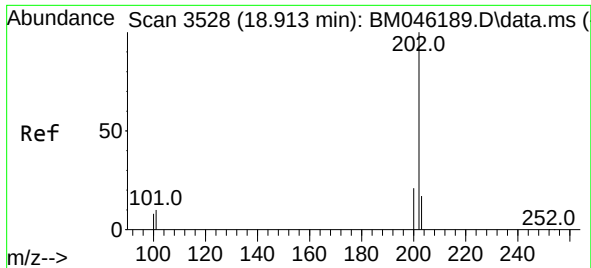
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#16  
Anthracene  
Concen: 0.191 ng/ul m  
RT: 16.942 min Scan# 3070  
Delta R.T. -0.063 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

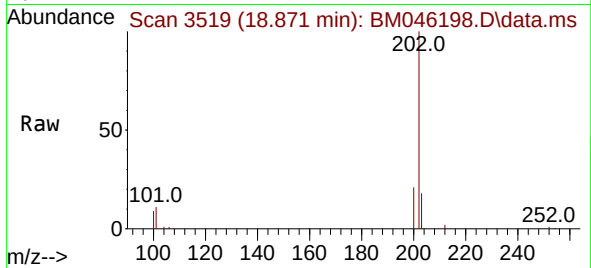
Tgt Ion:178 Resp: 3267  
Ion Ratio Lower Upper  
178 100  
179 24.9 14.9 22.3#  
176 22.5 17.0 25.4





#19  
Fluoranthene  
Concen: 1.026 ng/u1  
RT: 18.871 min Scan# 3519  
Delta R.T. -0.046 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

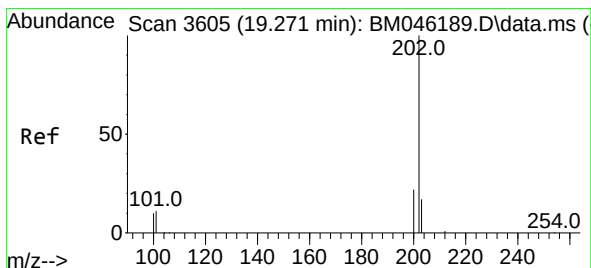
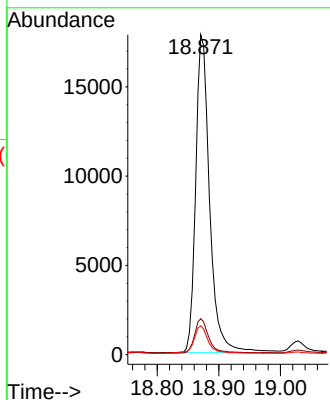
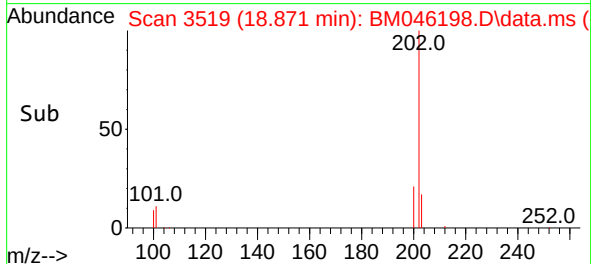
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



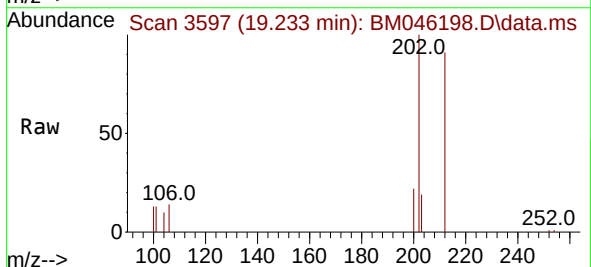
Tgt Ion:202 Resp: 2818  
Ion Ratio Lower Upper  
202 100  
101 11.2 9.6 14.4  
100 9.1 7.6 11.4

Manual Integrations  
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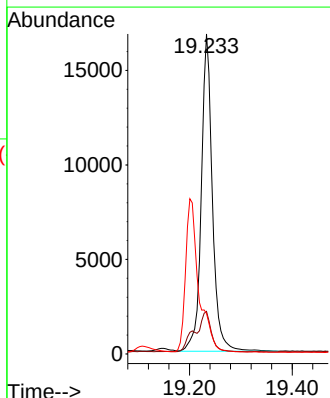
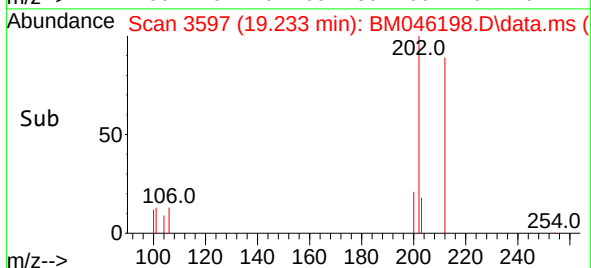
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

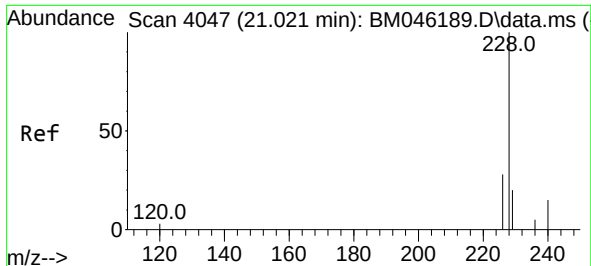


#20  
Pyrene  
Concen: 0.845 ng/u1  
RT: 19.233 min Scan# 3597  
Delta R.T. -0.042 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15



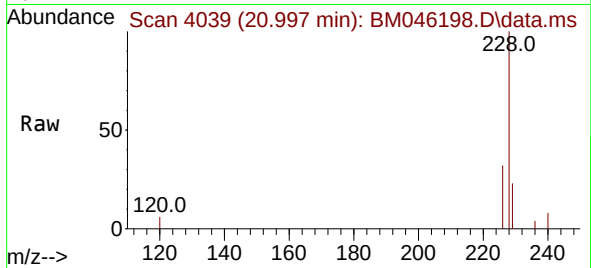
Tgt Ion:202 Resp: 25118  
Ion Ratio Lower Upper  
202 100  
101 13.3 11.3 16.9  
100 12.6 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.537 ng/ul  
RT: 20.997 min Scan# 4039  
Delta R.T. -0.032 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

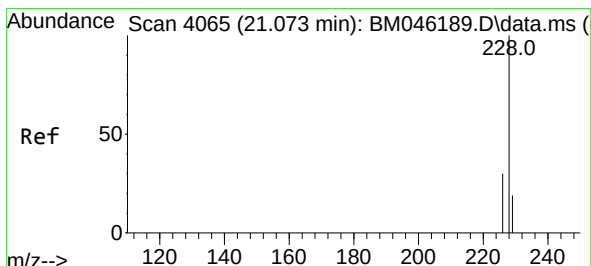
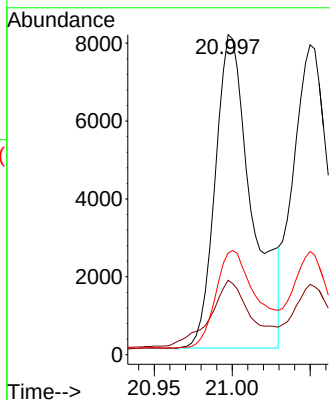
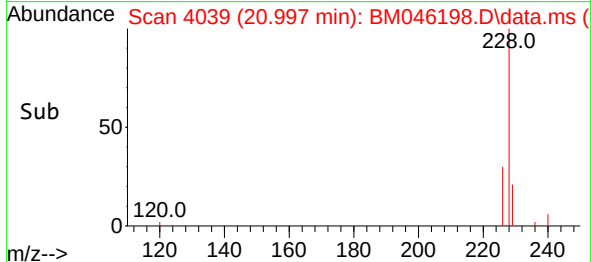
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



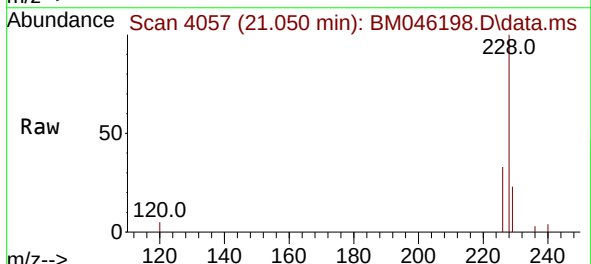
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Ion Ratio Lower Upper  
228 100  
229 23.3 16.4 24.6  
226 31.7 23.4 35.2

Manual Integrations  
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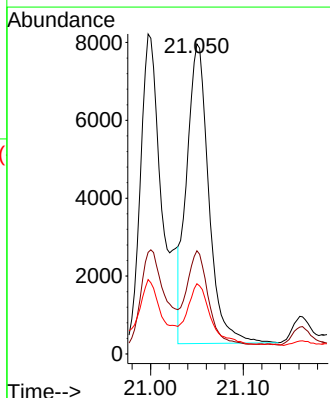
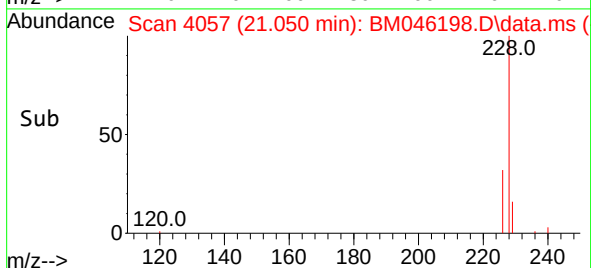
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024

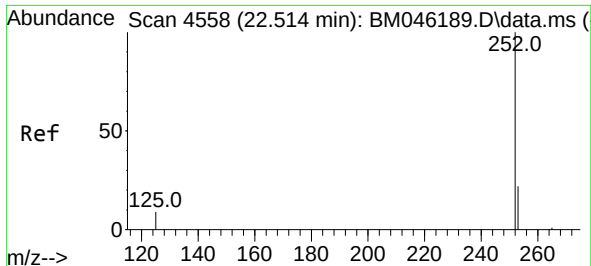


#22  
Chrysene  
Concen: 0.406 ng/ul  
RT: 21.050 min Scan# 4057  
Delta R.T. -0.026 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15



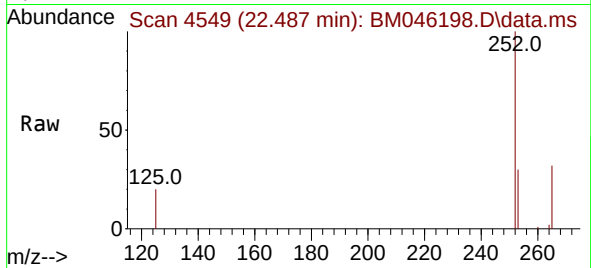
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Ion Ratio Lower Upper  
228 100  
226 33.3 25.2 37.8  
229 22.7 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 0.790 ng/ul m  
RT: 22.487 min Scan# 4549  
Delta R.T. -0.032 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

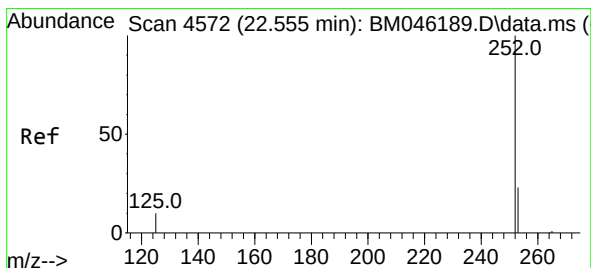
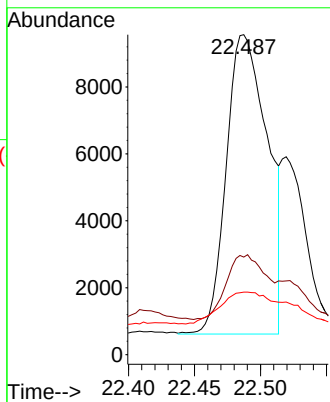
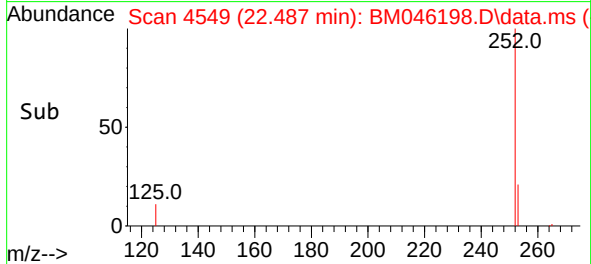
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



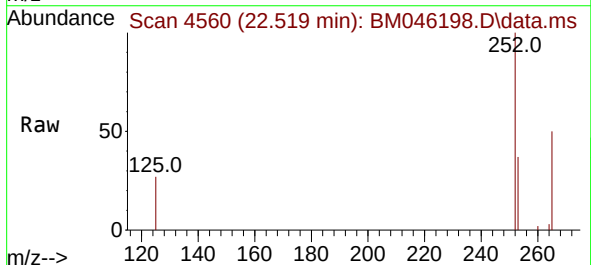
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Ion Ratio Lower Upper  
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253 30.5 0.0 65.8  
125 19.5 0.0 40.2

Manual Integrations  
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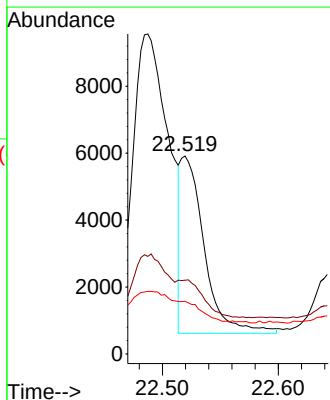
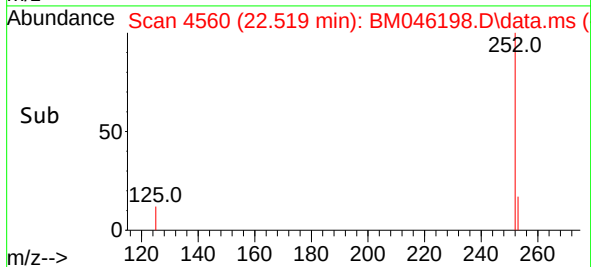
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



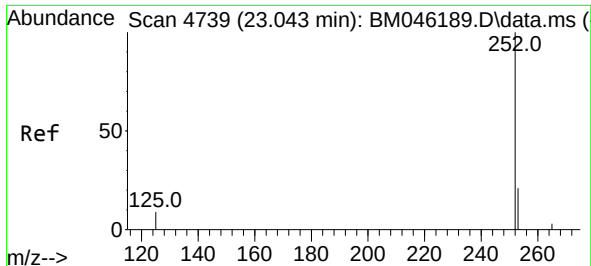
#25  
Benzo(k)fluoranthene  
Concen: 0.256 ng/ul m  
RT: 22.519 min Scan# 4560  
Delta R.T. -0.044 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15



Tgt Ion:252 Resp: 7481  
Ion Ratio Lower Upper  
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125 26.6 16.6 25.0#

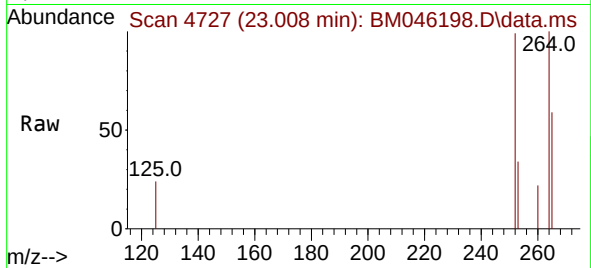






#26  
Benzo(a)pyrene  
Concen: 0.548 ng/ul  
RT: 23.008 min Scan# 4727  
Delta R.T. -0.047 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

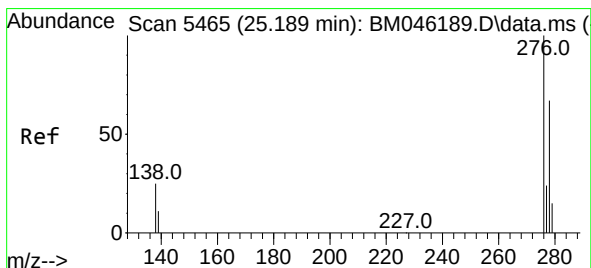
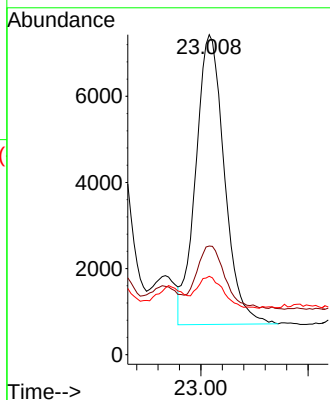
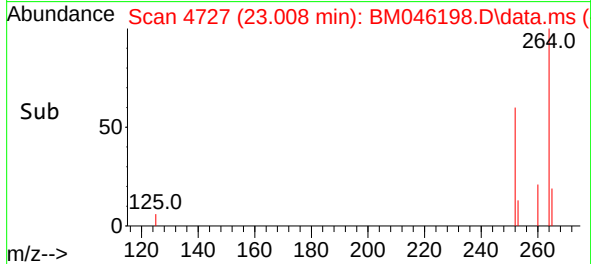
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



Tgt Ion:252 Resp: 1250  
Ion Ratio Lower Upper  
252 100  
253 34.0 32.1 48.1  
125 24.5 21.2 31.8

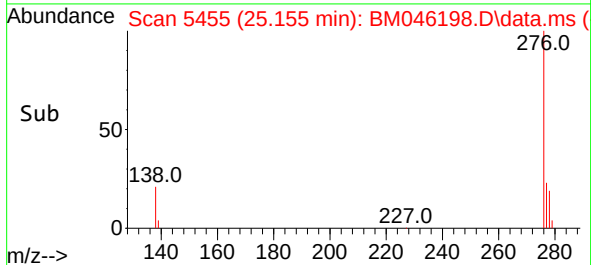
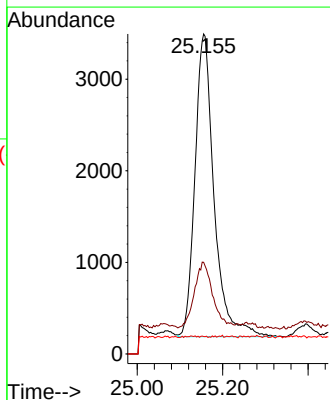
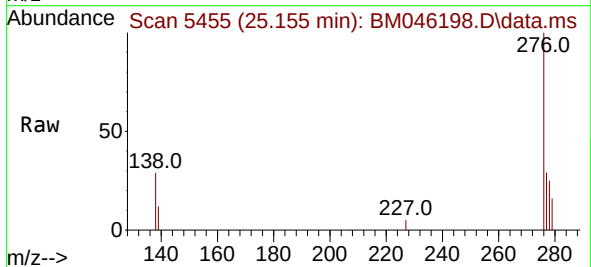
Manual Integrations  
APPROVED

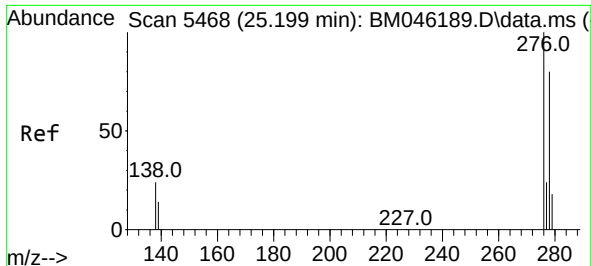
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.275 ng/ul  
RT: 25.155 min Scan# 5455  
Delta R.T. -0.047 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

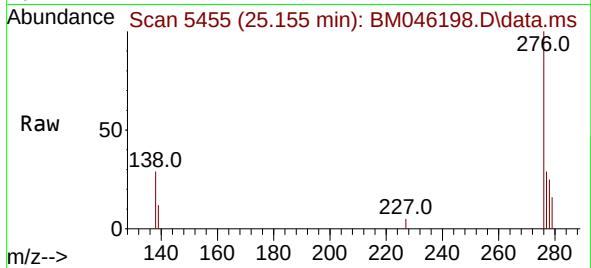
Tgt Ion:276 Resp: 10260  
Ion Ratio Lower Upper  
276 100  
138 20.9 21.0 31.4#  
227 0.2 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.084 ng/ul  
RT: 25.155 min Scan# 5468  
Delta R.T. -0.060 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

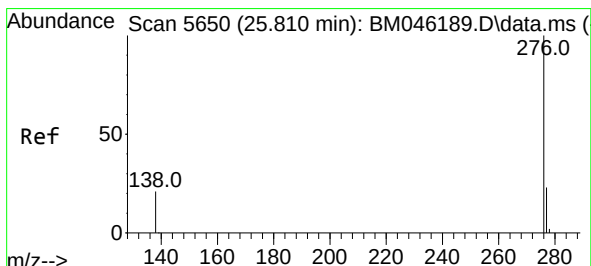
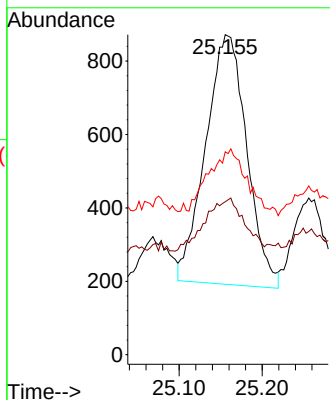
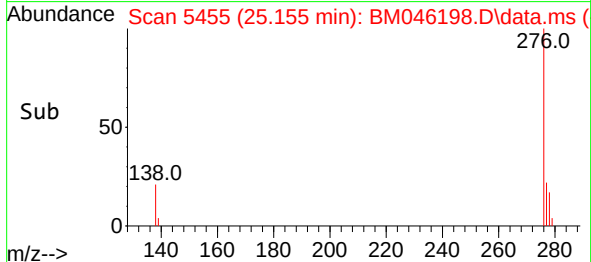
Instrument :  
BNA\_M  
ClientSampleId :  
A4C97



Tgt Ion:278 Resp: 234  
Ion Ratio Lower Upper  
278 100  
139 47.8 17.6 26.4  
279 63.4 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :Jagrut Upadhyay 06/24/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.325 ng/ul  
RT: 25.776 min Scan# 5640  
Delta R.T. -0.054 min  
Lab File: BM046198.D  
Acq: 22 Jun 2024 15:15

Tgt Ion:276 Resp: 10417  
Ion Ratio Lower Upper  
276 100  
138 28.4 21.7 32.5  
277 28.1 20.4 30.6

