

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012622\  
 Data File : BM033867.D  
 Acq On : 26 Jan 2022 13:15  
 Operator : CG/JU  
 Sample : N1230-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0Q24

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/27/2022  
 Supervised By :mohammad ahmed 01/31/2022

Quant Time: Jan 27 01:40:34 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 24 15:20:03 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| -----                       |        |      |          |         |        |          |
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.939  | 152  | 2164     | 0.400   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.752 | 136  | 7829     | 0.400   | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.576 | 164  | 8746     | 0.400   | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.316 | 188  | 10643    | 0.400   | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.475 | 240  | 7939     | 0.400   | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.873 | 264  | 7650     | 0.400   | ng/ul  | -0.01    |
|                             |        |      |          |         |        |          |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.292  | 96   | 9085     | 4.016   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.339 | 152  | 4529     | 0.420   | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.334 | 212  | 10565    | 0.432   | ng/ul  | 0.00     |
|                             |        |      |          |         |        |          |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane              | 3.330  | 88   | 362      | 0.153   | ng/ul# | 85       |
| 5) Naphthalene              | 10.805 | 128  | 12990    | 0.604   | ng/ul# | 27       |
| 8) 1-Methylnaphthalene      | 12.632 | 142  | 26716    | 1.948   | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.299 | 152  | 19191    | 0.491   | ng/ul  | 95       |
| 11) Acenaphthene            | 14.640 | 153  | 199755   | 6.382   | ng/ul  | 94       |
| 12) Fluorene                | 15.622 | 166  | 58790m   | 1.647   | ng/ul  |          |
| 14) Pentachlorophenol       | 16.983 | 266  | 4279640  | 875.151 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.358 | 178  | 19466    | 0.574   | ng/ul# | 85       |
| 16) Anthracene              | 17.448 | 178  | 10780    | 0.340   | ng/ul# | 94       |
| 19) Fluoranthene            | 19.361 | 202  | 34922    | 0.965   | ng/ul# | 95       |
| 20) Pyrene                  | 19.723 | 202  | 66435    | 1.792   | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.458 | 228  | 4304     | 0.133   | ng/ul# | 75       |
| 22) Chrysene                | 21.509 | 228  | 4729     | 0.137   | ng/ul# | 75       |
| 24) Benzo(b)fluoranthene    | 23.136 | 252  | 1290     | 0.038   | ng/ul# | 2        |
| 25) Benzo(k)fluoranthene    | 23.190 | 252  | 809      | 0.023   | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.766 | 252  | 876      | 0.029   | ng/ul# | 8        |
| 29) Benzo(g,h,i)perylene    | 27.134 | 276  | 703      | 0.021   | ng/ul# | 42       |
| -----                       |        |      |          |         |        |          |

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

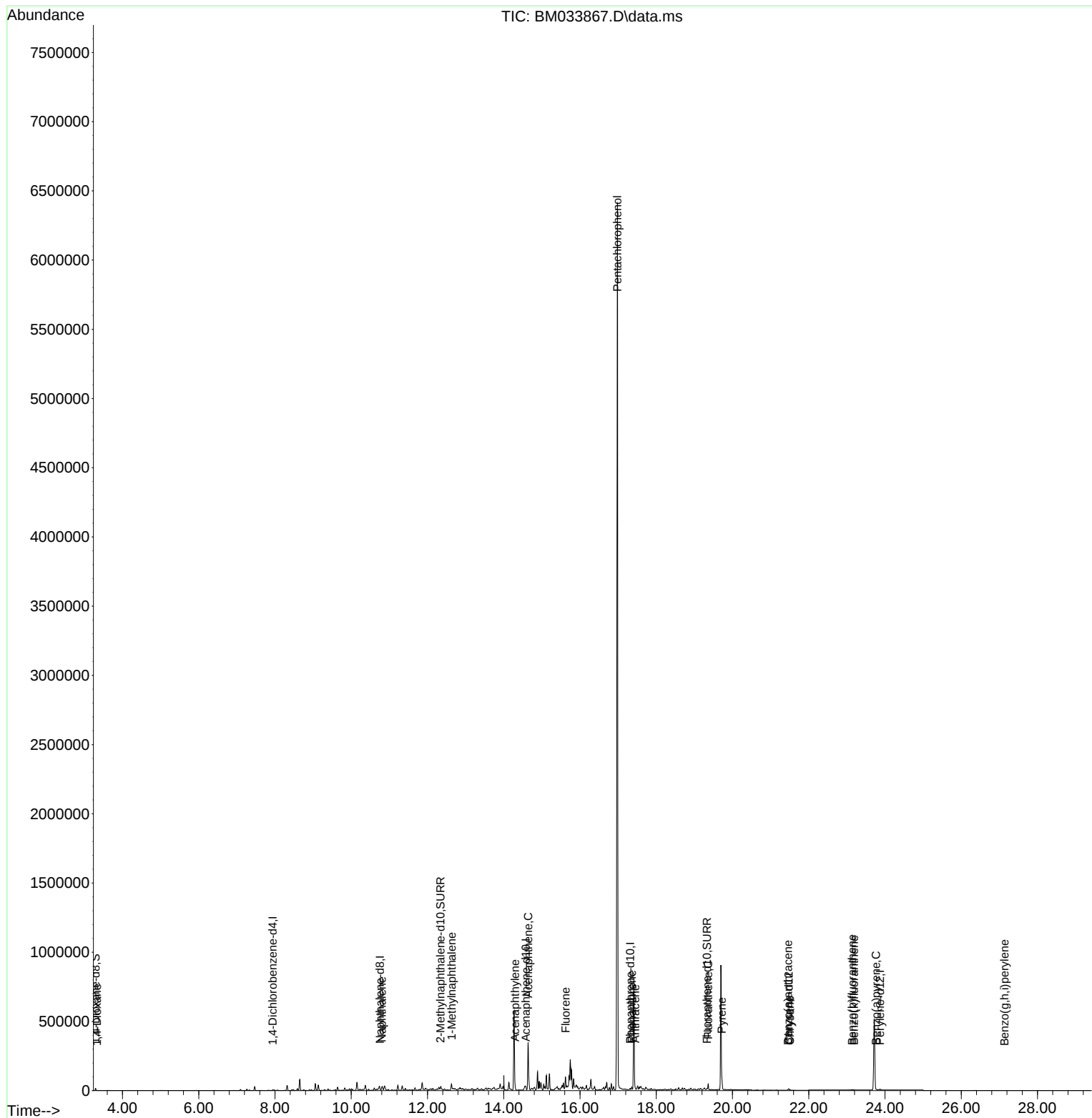
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012622\  
Data File : BM033867.D  
Acq On : 26 Jan 2022 13:15  
Operator : CG/JU  
Sample : N1230-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

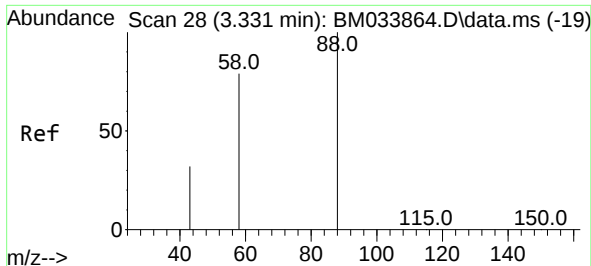
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

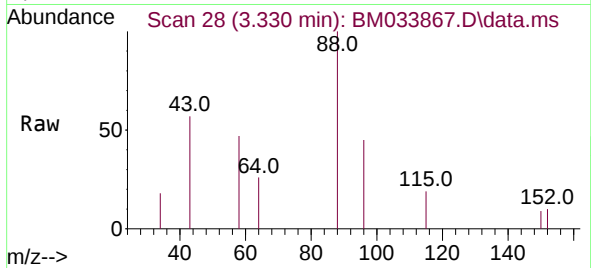
Quant Time: Jan 27 01:40:34 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 24 15:20:03 2022  
Response via : Initial Calibration





#2  
1,4-Dioxane  
Concen: 0.153 ng/ul  
RT: 3.330 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

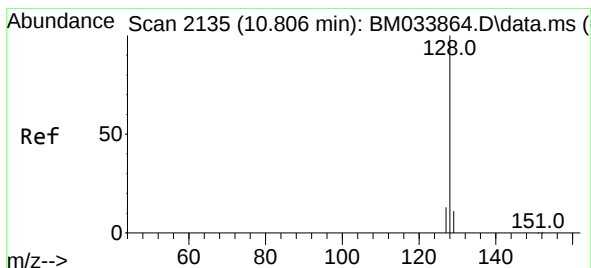
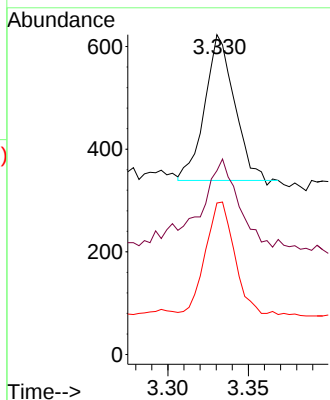
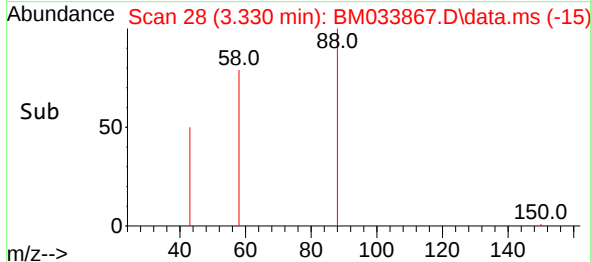
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



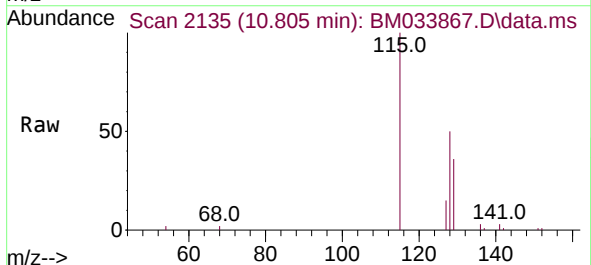
Tgt Ion: 88 Resp: 362  
Ion Ratio Lower Upper  
88 100  
43 57.5 49.7 74.5  
58 47.4 52.5 78.7

Manual Integrations  
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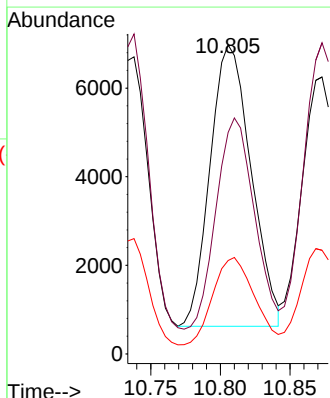
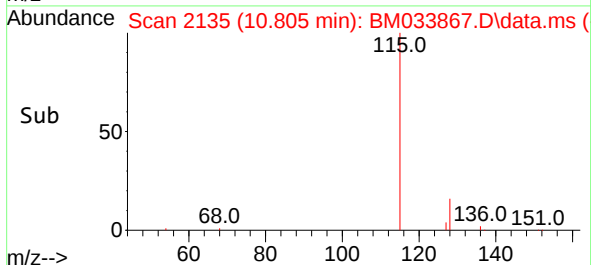
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

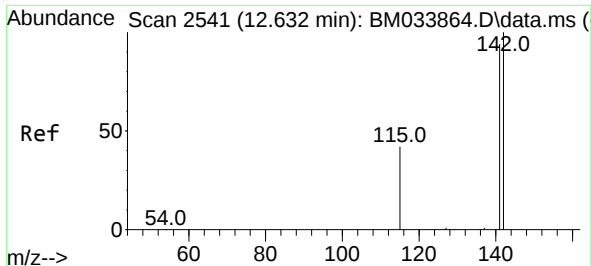


#5  
Naphthalene  
Concen: 0.604 ng/ul  
RT: 10.805 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15



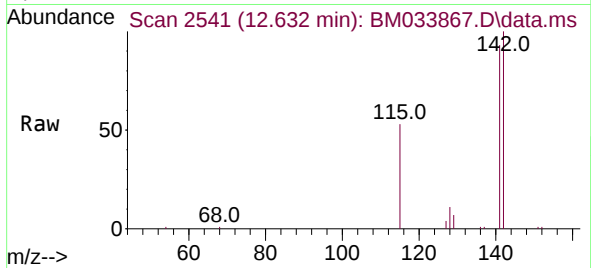
Tgt Ion:128 Resp: 12990  
Ion Ratio Lower Upper  
128 100  
129 71.6 13.4 20.2#  
127 30.2 15.2 22.8#





#8  
1-Methylnaphthalene  
Concen: 1.948 ng/ul  
RT: 12.632 min Scan# 2541  
Delta R.T. -0.005 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

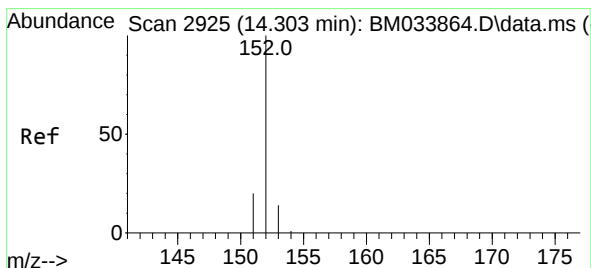
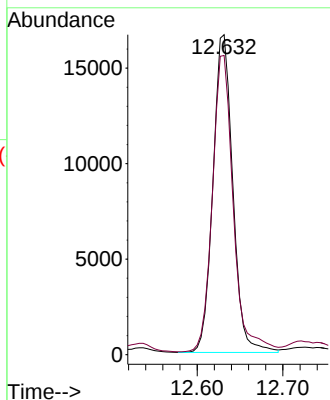
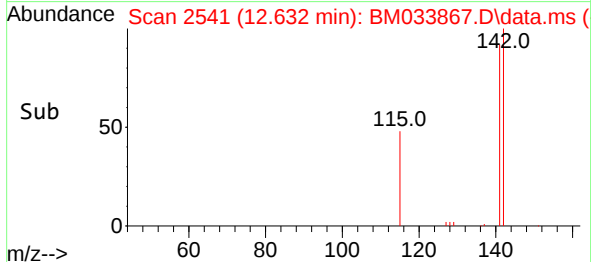
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



Tgt Ion:142 Resp: 26710  
Ion Ratio Lower Upper  
142 100  
141 97.9 75.0 112.4

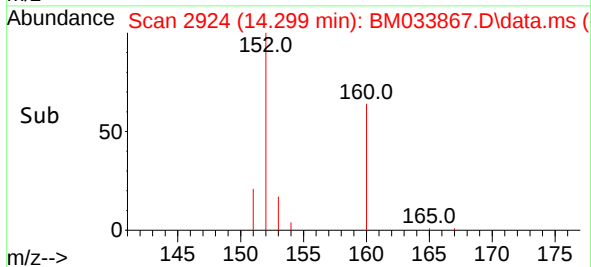
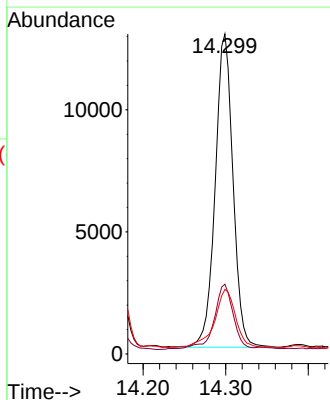
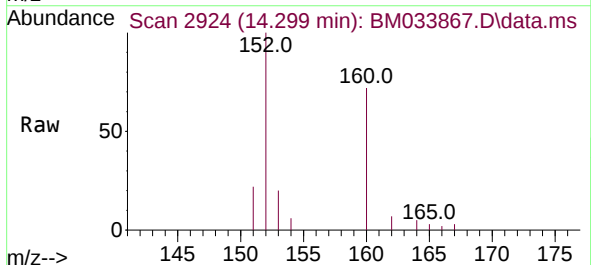
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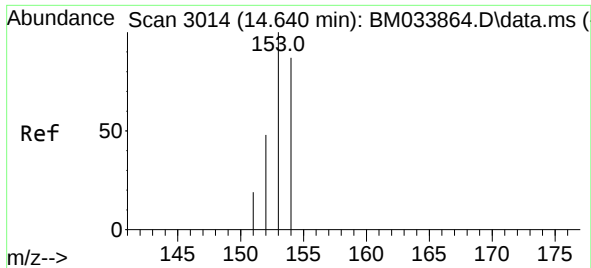
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022



#10  
Acenaphthylene  
Concen: 0.491 ng/ul  
RT: 14.299 min Scan# 2924  
Delta R.T. -0.004 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

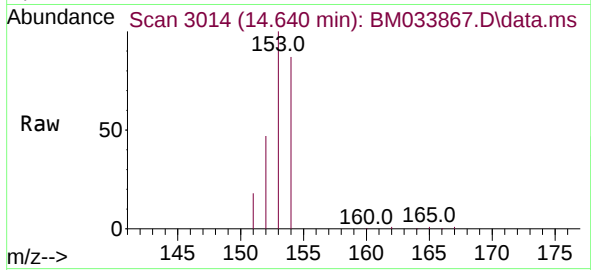
Tgt Ion:152 Resp: 19191  
Ion Ratio Lower Upper  
152 100  
151 21.8 19.9 29.9  
153 20.1 15.0 22.4





#11  
Acenaphthene  
Concen: 6.382 ng/ul  
RT: 14.640 min Scan# 3014  
Delta R.T. -0.004 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

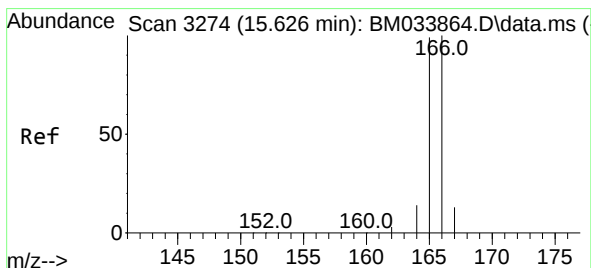
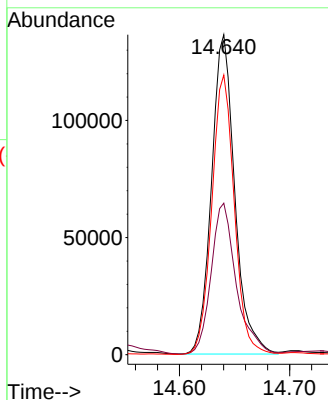
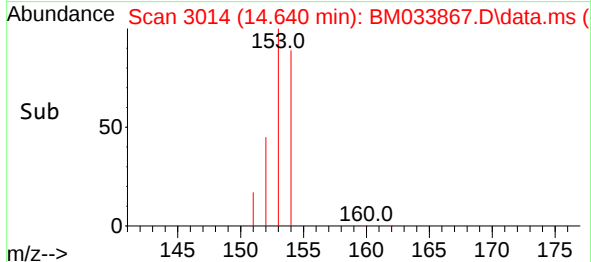
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



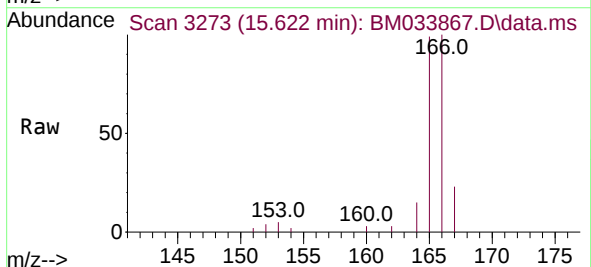
Tgt Ion:153 Resp: 19975  
Ion Ratio Lower Upper  
153 100  
152 47.4 42.4 63.6  
154 87.4 66.2 99.2

Manual Integrations  
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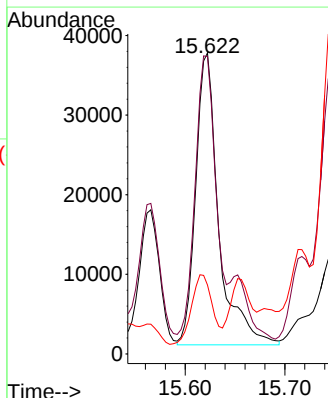
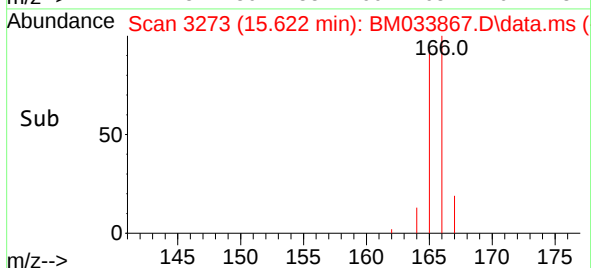
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

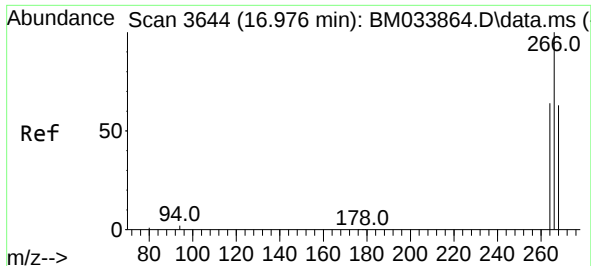


#12  
Fluorene  
Concen: 1.647 ng/ul m  
RT: 15.622 min Scan# 3273  
Delta R.T. -0.004 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15



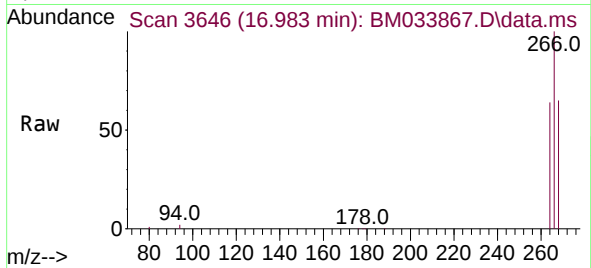
Tgt Ion:166 Resp: 58790  
Ion Ratio Lower Upper  
166 100  
165 98.8 81.1 121.7  
167 22.9 14.9 22.3#





#14  
Pentachlorophenol  
Concen: 875.151 ng/ul  
RT: 16.983 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

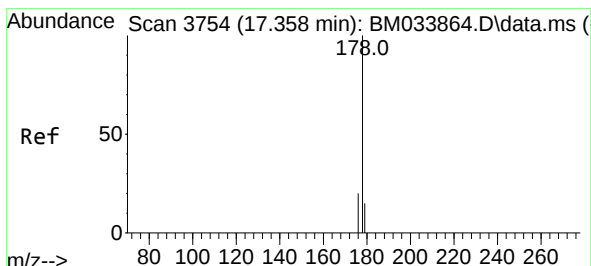
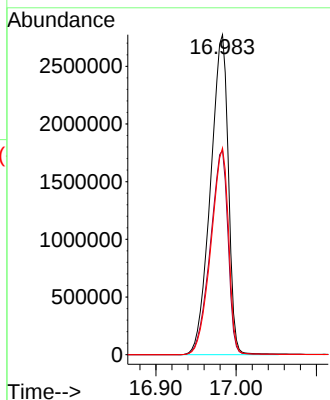
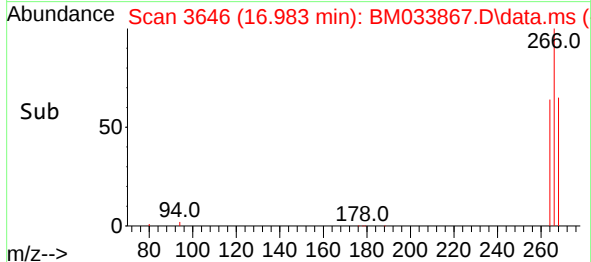
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



Tgt Ion:266 Resp: 4279640  
Ion Ratio Lower Upper  
266 100  
264 63.7 51.4 77.0  
268 63.9 53.1 79.7

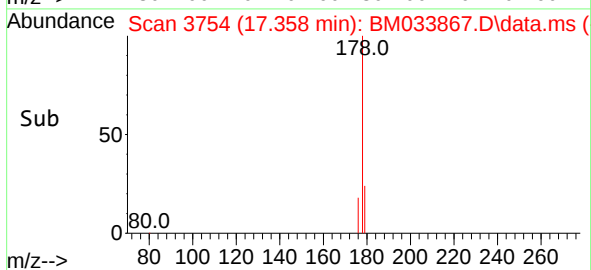
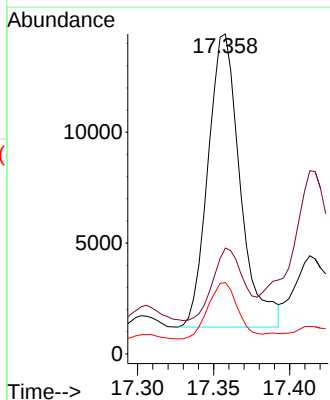
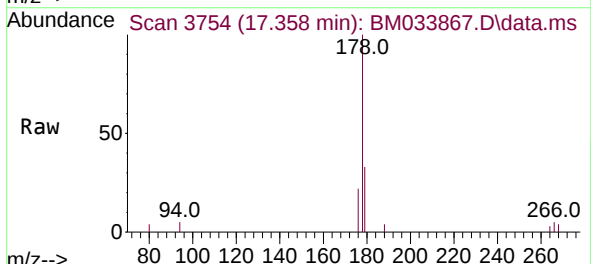
Manual Integrations  
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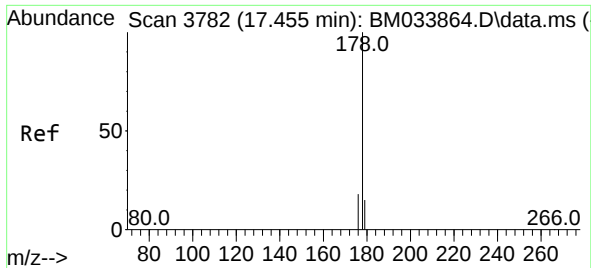
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022



#15  
Phenanthrene  
Concen: 0.574 ng/ul  
RT: 17.358 min Scan# 3754  
Delta R.T. -0.000 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

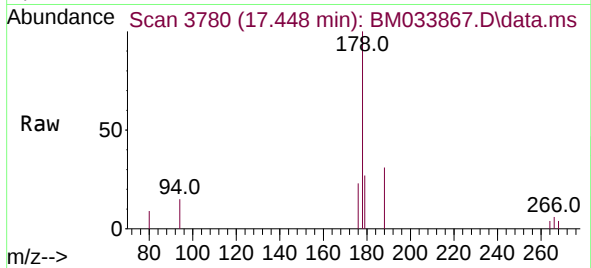
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Ion Ratio Lower Upper  
178 100  
179 33.1 15.0 22.6#  
176 22.3 17.9 26.9





#16  
 Anthracene  
 Concen: 0.340 ng/ul  
 RT: 17.448 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BM033867.D  
 Acq: 26 Jan 2022 13:15

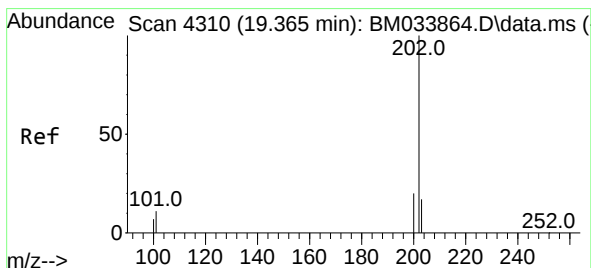
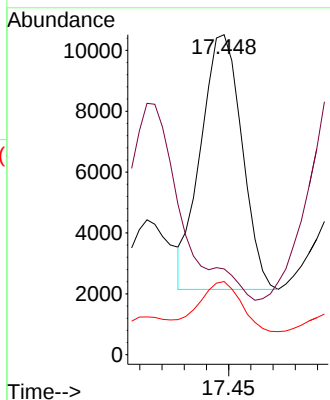
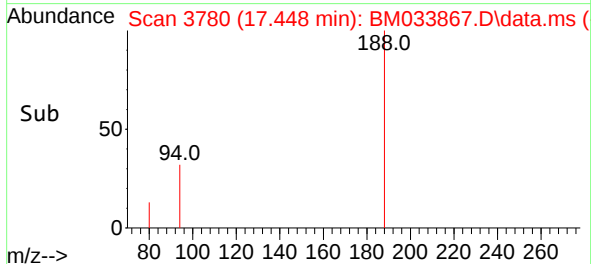
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0Q24



Tgt Ion:178 Resp: 10780  
 Ion Ratio Lower Upper  
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 179 26.8 16.5 24.7  
 176 22.8 18.3 27.5

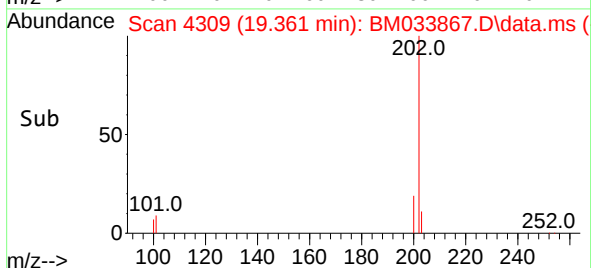
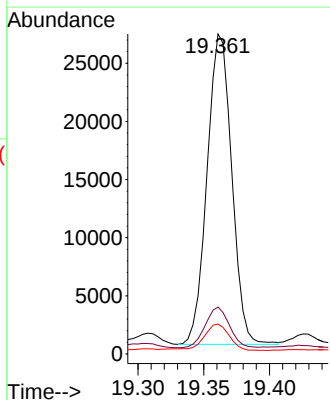
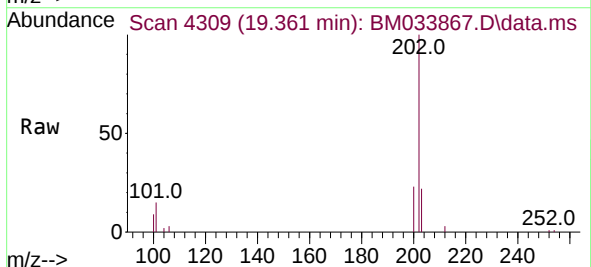
Manual Integrations  
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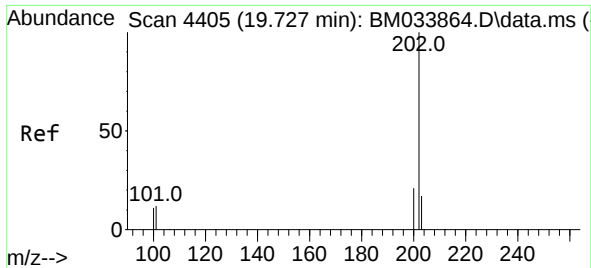
Reviewed By :Jagrut Upadhyay 01/27/2022  
 Supervised By :mohammad ahmed 01/31/2022



#19  
 Fluoranthene  
 Concen: 0.965 ng/ul  
 RT: 19.361 min Scan# 4309  
 Delta R.T. -0.008 min  
 Lab File: BM033867.D  
 Acq: 26 Jan 2022 13:15

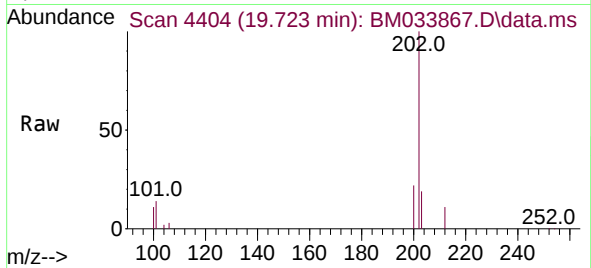
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 Ion Ratio Lower Upper  
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 101 14.6 9.2 13.8  
 100 9.3 7.2 10.8





#20  
Pyrene  
Concen: 1.792 ng/ul  
RT: 19.723 min Scan# 4404  
Delta R.T. -0.004 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

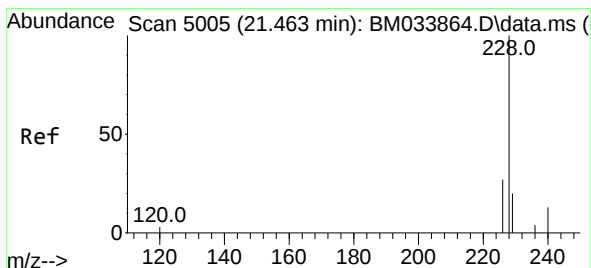
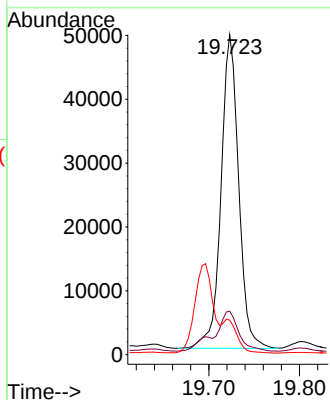
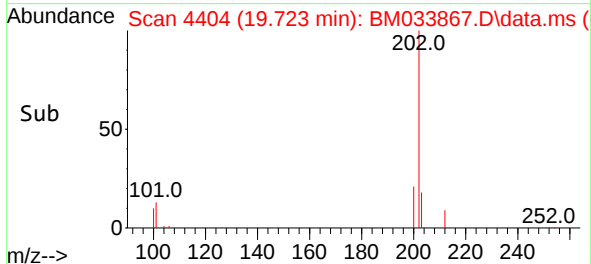
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



Tgt Ion:202 Resp: 66435  
Ion Ratio Lower Upper  
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101 13.6 9.3 13.9  
100 10.8 7.8 11.6

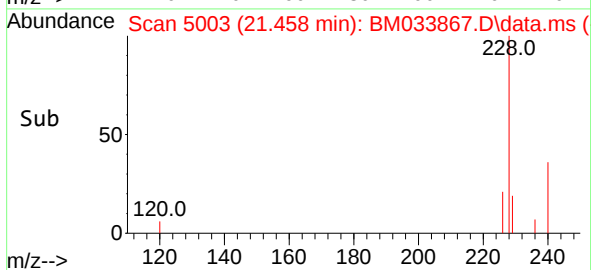
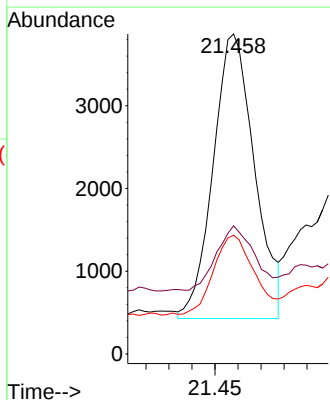
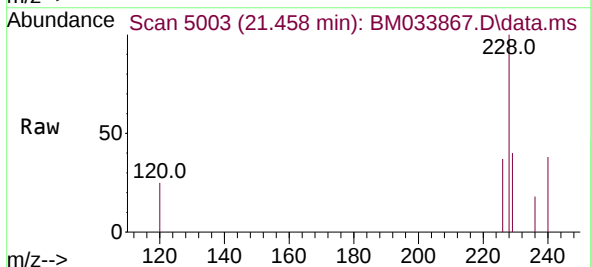
Manual Integrations  
APPROVED

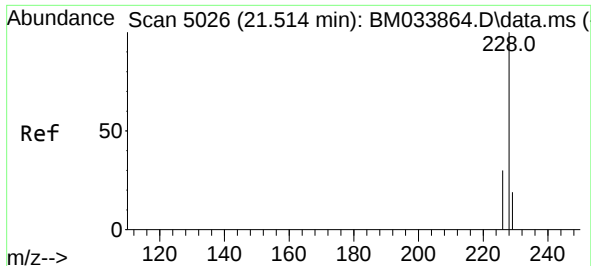
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022



#21  
Benzo(a)anthracene  
Concen: 0.133 ng/ul  
RT: 21.458 min Scan# 5003  
Delta R.T. -0.010 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

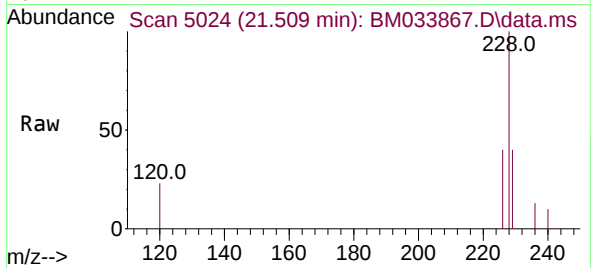
Tgt Ion:228 Resp: 4304  
Ion Ratio Lower Upper  
228 100  
229 40.0 17.3 25.9#  
226 37.1 23.2 34.8#





#22  
Chrysene  
Concen: 0.137 ng/ul  
RT: 21.509 min Scan# 5026  
Delta R.T. -0.012 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

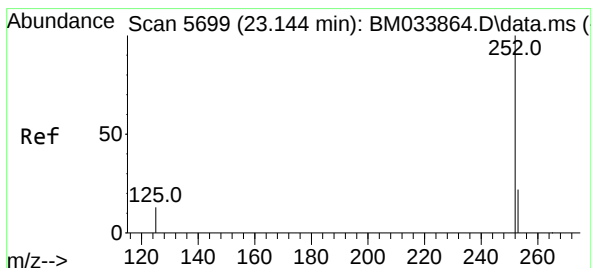
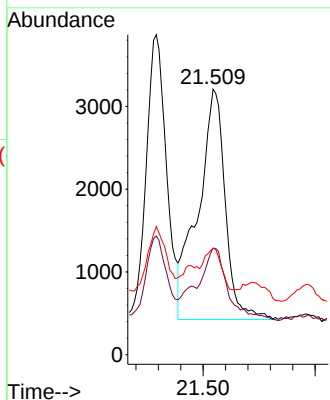
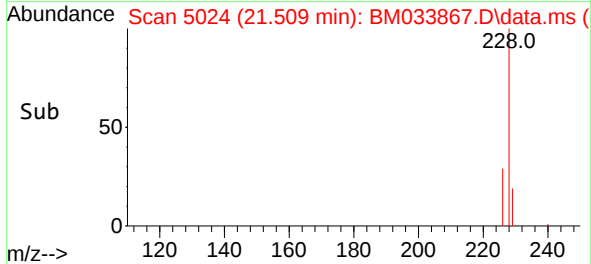
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



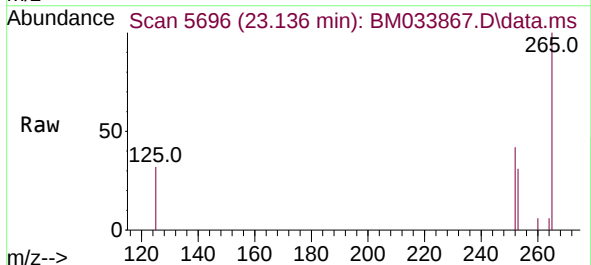
Tgt Ion:228 Resp: 4729  
Ion Ratio Lower Upper  
228 100  
226 40.2 25.8 38.8#  
229 40.1 16.7 25.1#

Manual Integrations  
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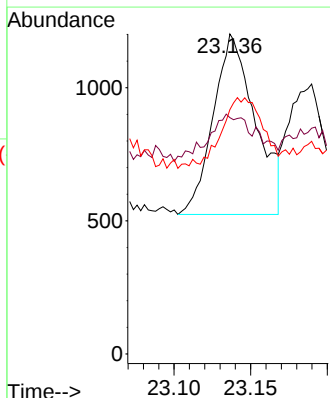
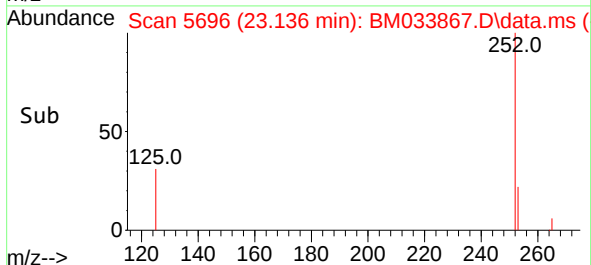
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

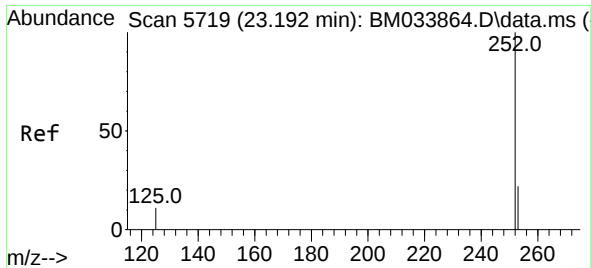


#24  
Benzo(b)fluoranthene  
Concen: 0.038 ng/ul  
RT: 23.136 min Scan# 5696  
Delta R.T. -0.015 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15



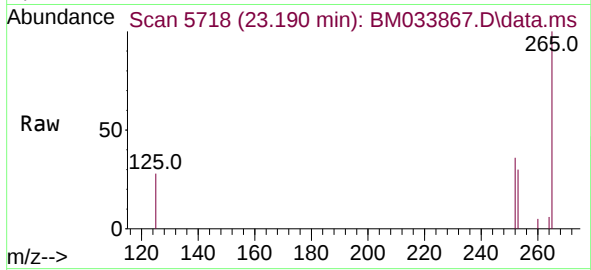
Tgt Ion:252 Resp: 1290  
Ion Ratio Lower Upper  
252 100  
253 73.9 0.0 64.2#  
125 76.4 0.0 28.8#





#25  
Benzo(k)fluoranthene  
Concen: 0.023 ng/u1  
RT: 23.190 min Scan# 5719  
Delta R.T. -0.010 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

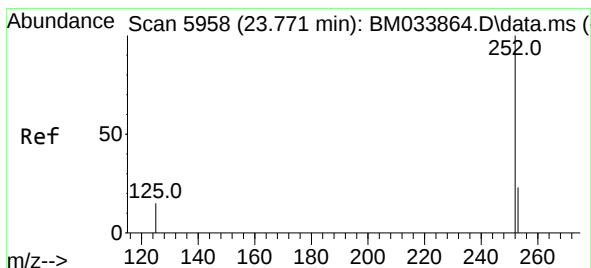
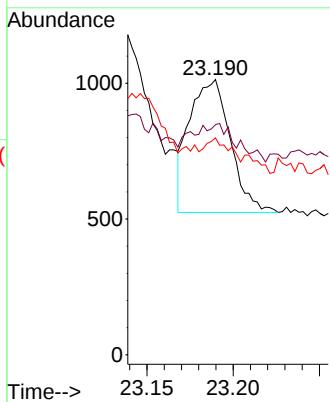
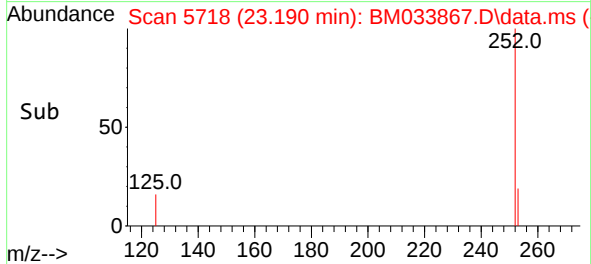
Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



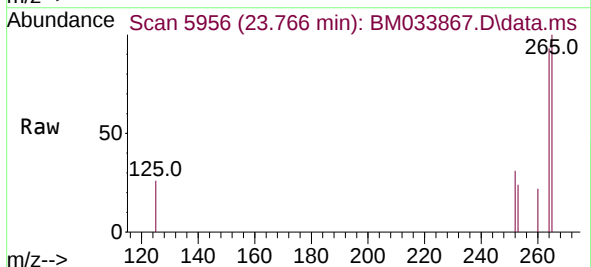
Tgt Ion:252 Resp: 809  
Ion Ratio Lower Upper  
252 100  
253 83.6 26.8 40.2  
125 78.8 12.0 18.0

Manual Integrations  
APPROVED

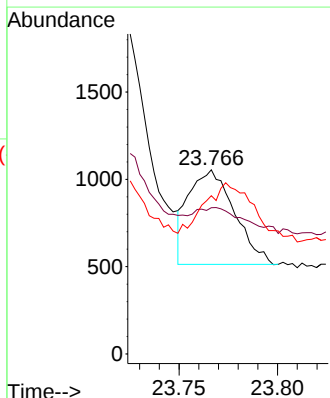
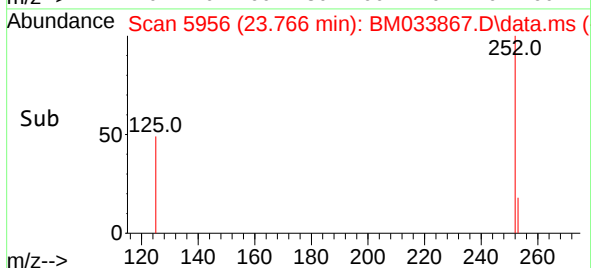
Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

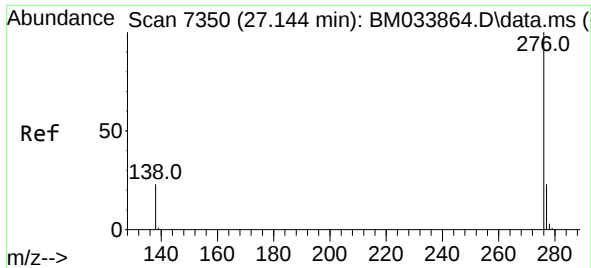


#26  
Benzo(a)pyrene  
Concen: 0.029 ng/u1  
RT: 23.766 min Scan# 5956  
Delta R.T. -0.012 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15



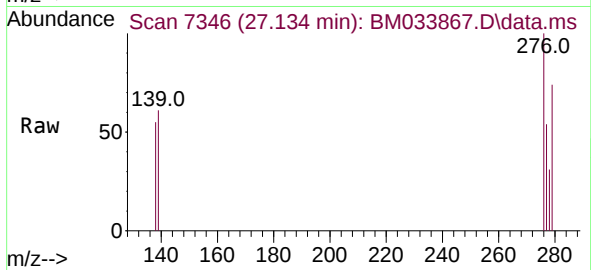
Tgt Ion:252 Resp: 876  
Ion Ratio Lower Upper  
252 100  
253 79.4 32.0 48.0#  
125 85.9 14.5 21.7#





#29  
Benzo(g,h,i)perylene  
Concen: 0.021 ng/ul  
RT: 27.134 min Scan# 71  
Delta R.T. -0.029 min  
Lab File: BM033867.D  
Acq: 26 Jan 2022 13:15

Instrument :  
BNA\_M  
ClientSampleId :  
C0Q24



Tgt Ion:276 Resp: 70  
Ion Ratio Lower Upper  
276 100  
138 55.4 17.4 26.0  
277 53.7 22.6 33.8

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 01/27/2022  
Supervised By :mohammad ahmed 01/31/2022

