

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
 Data File : BM036982.D  
 Acq On : 12 Oct 2022 14:03  
 Operator : CG/JU  
 Sample : N5024-08DL 5X  
 Misc :  
 ALS Vial : 86 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ7DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2022  
 Supervised By :mohammad ahmed 10/14/2022

Quant Time: Oct 12 23:10:24 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 11 09:03:52 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.951  | 152  | 8370     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.754 | 136  | 30208    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.576 | 164  | 16388    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.314 | 188  | 29761    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.484 | 240  | 16826    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.878 | 264  | 14634    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.348  | 96   | 7351     | 0.623 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.338 | 152  | 1936     | 0.042 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.332 | 212  | 3036     | 0.060 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.803 | 128  | 9507     | 0.110 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.409 | 142  | 8624     | 0.163 | ng/ul  | 91       |
| 8) 1-Methylnaphthalene      | 12.629 | 142  | 7253     | 0.135 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.298 | 152  | 3664     | 0.054 | ng/ul# | 88       |
| 11) Acenaphthene            | 14.636 | 153  | 1858     | 0.031 | ng/ul  | 97       |
| 12) Fluorene                | 15.621 | 166  | 2839     | 0.042 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.352 | 178  | 62129    | 0.654 | ng/ul  | 99       |
| 16) Anthracene              | 17.445 | 178  | 6983     | 0.088 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.364 | 202  | 73674    | 1.101 | ng/ul  | 97       |
| 20) Pyrene                  | 19.722 | 202  | 60312    | 0.864 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.467 | 228  | 23320    | 0.384 | ng/ul  | 98       |
| 22) Chrysene                | 21.519 | 228  | 27276    | 0.418 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.147 | 252  | 31567    | 0.483 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.194 | 252  | 10653m   | 0.167 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.770 | 252  | 19563    | 0.369 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.362 | 276  | 14787    | 0.197 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.372 | 278  | 3705     | 0.061 | ng/ul# | 57       |
| 29) Benzo(g,h,i)perylene    | 27.127 | 276  | 13226    | 0.200 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

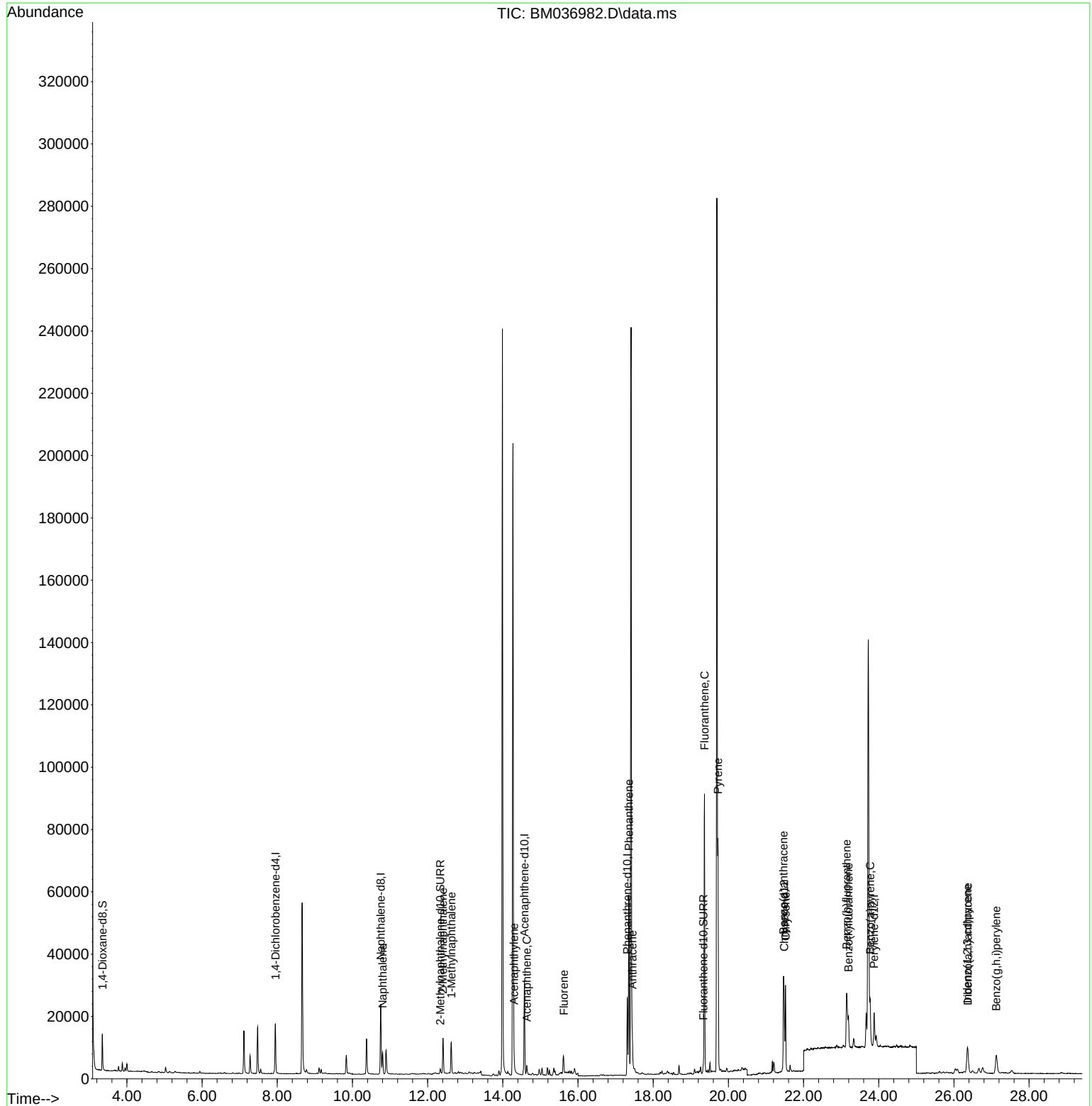
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
Data File : BM036982.D  
Acq On : 12 Oct 2022 14:03  
Operator : CG/JU  
Sample : N5024-08DL 5X  
Misc :  
ALS Vial : 86 Sample Multiplier: 1

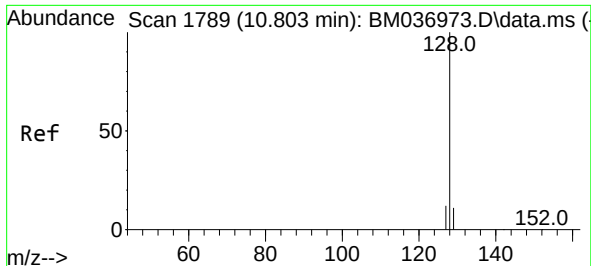
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL

Manual Integrations  
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Supervised By :mohammad ahmed 10/14/2022

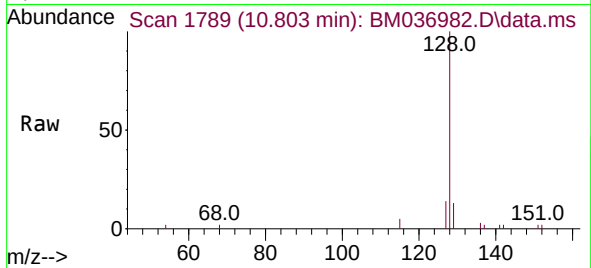
Quant Time: Oct 12 23:10:24 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 11 09:03:52 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.110 ng/ul  
RT: 10.803 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

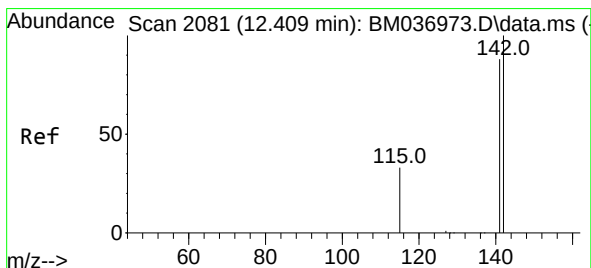
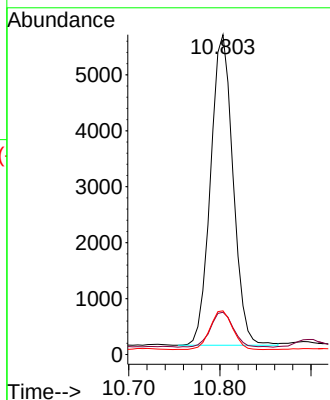
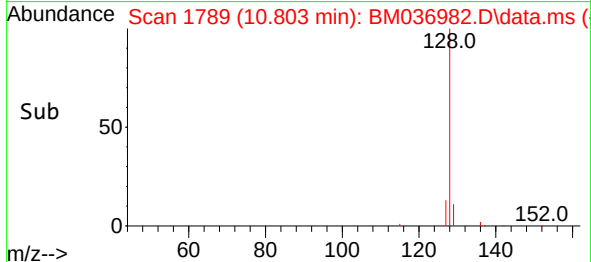
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



Tgt Ion:128 Resp: 950  
Ion Ratio Lower Upper  
128 100  
129 13.2 10.2 15.2  
127 13.7 11.7 17.5

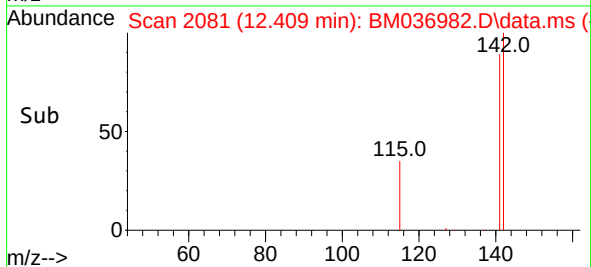
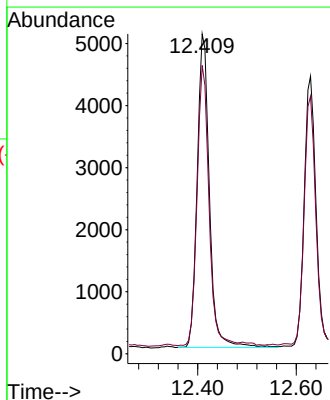
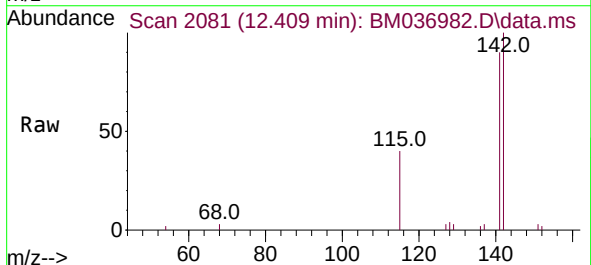
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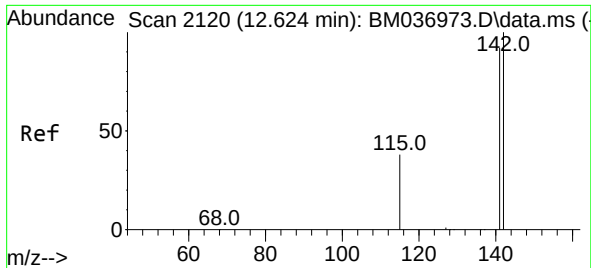
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#7  
2-Methylnaphthalene  
Concen: 0.163 ng/ul  
RT: 12.409 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

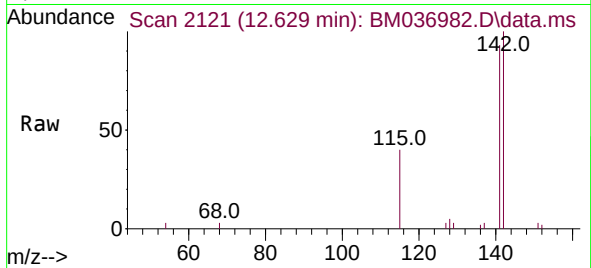
Tgt Ion:142 Resp: 8624  
Ion Ratio Lower Upper  
142 100  
141 88.4 77.4 116.0





#8  
1-Methylnaphthalene  
Concen: 0.135 ng/ul  
RT: 12.629 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

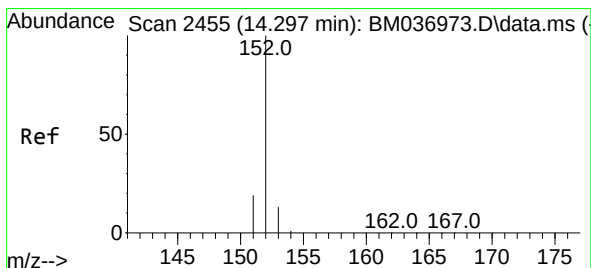
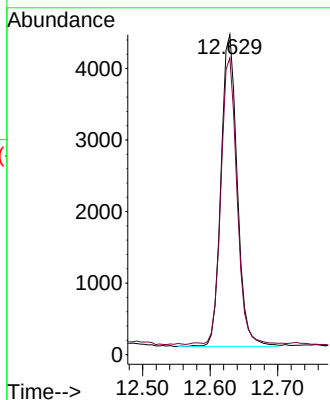
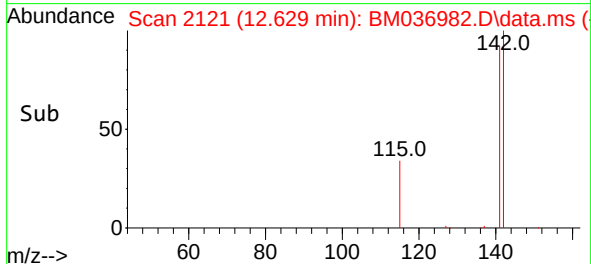
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



Tgt Ion:142 Resp: 725  
Ion Ratio Lower Upper  
142 100  
141 91.6 74.1 111.1

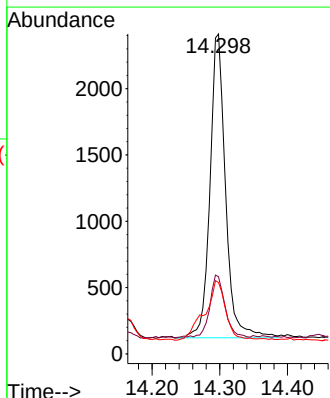
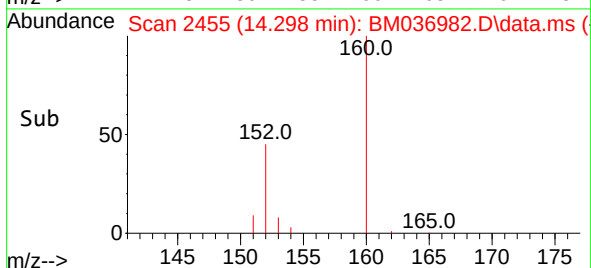
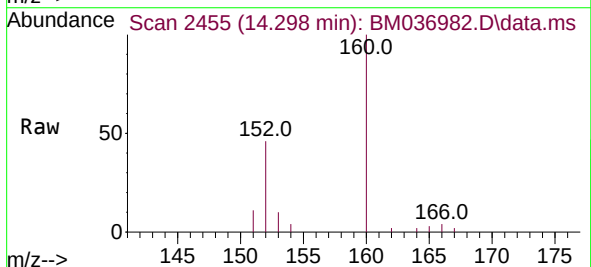
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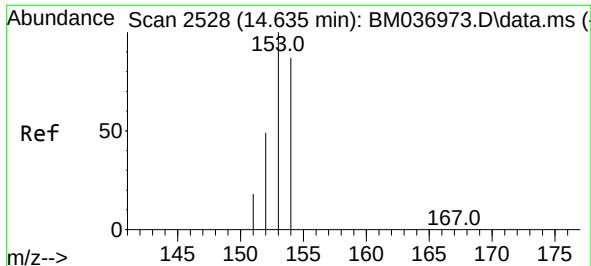
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#10  
Acenaphthylene  
Concen: 0.054 ng/ul  
RT: 14.298 min Scan# 2455  
Delta R.T. 0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

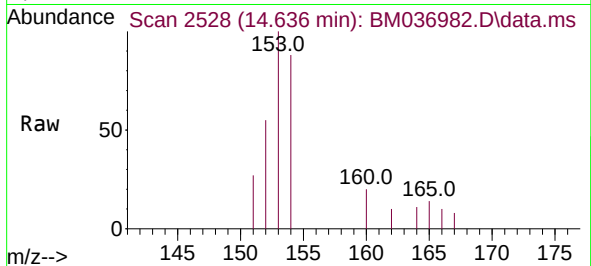
Tgt Ion:152 Resp: 3664  
Ion Ratio Lower Upper  
152 100  
151 24.1 16.6 24.8  
153 22.3 11.4 17.0#





#11  
Acenaphthene  
Concen: 0.031 ng/uI  
RT: 14.636 min Scan# 2528  
Delta R.T. -0.004 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

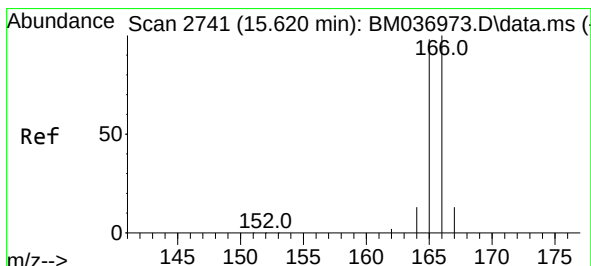
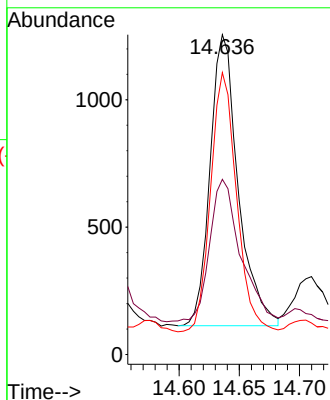
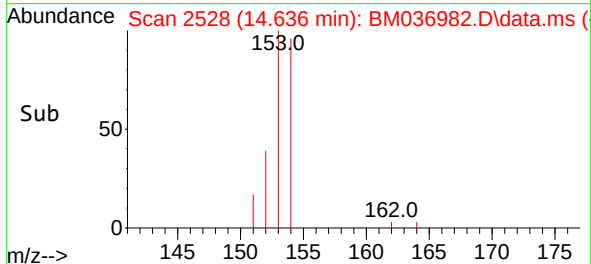
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



Tgt Ion:153 Resp: 1858  
Ion Ratio Lower Upper  
153 100  
152 54.8 40.2 60.4  
154 88.1 69.7 104.5

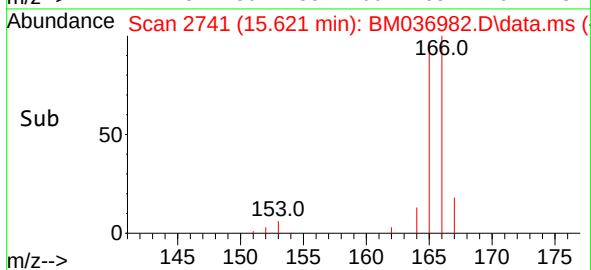
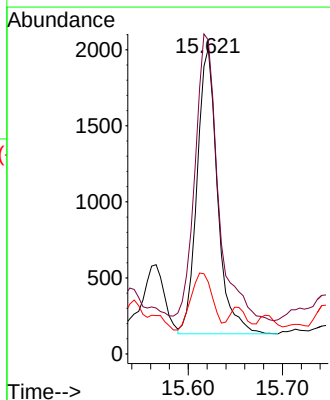
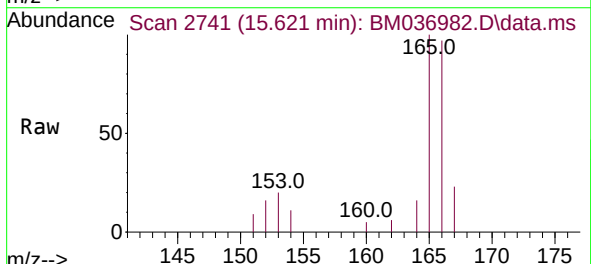
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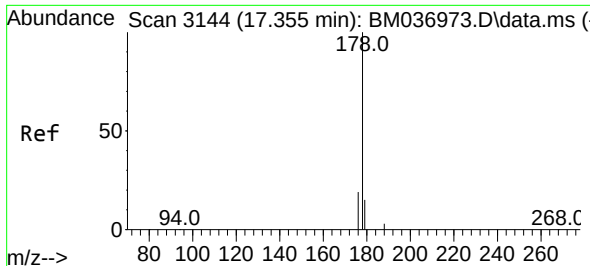
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#12  
Fluorene  
Concen: 0.042 ng/uI  
RT: 15.621 min Scan# 2741  
Delta R.T. 0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

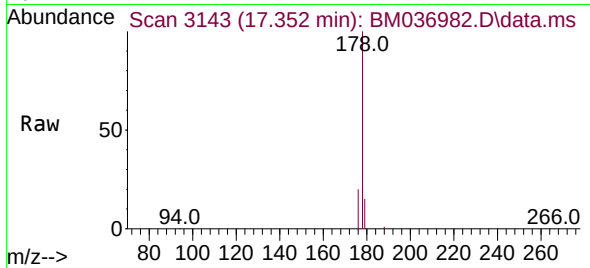
Tgt Ion:166 Resp: 2839  
Ion Ratio Lower Upper  
166 100  
165 102.7 78.9 118.3  
167 23.5 11.3 16.9#





#15  
Phenanthrene  
Concen: 0.654 ng/u1  
RT: 17.352 min Scan# 3144  
Delta R.T. -0.003 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

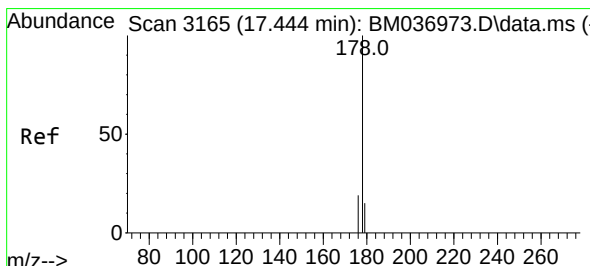
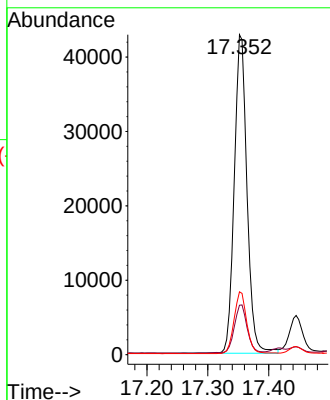
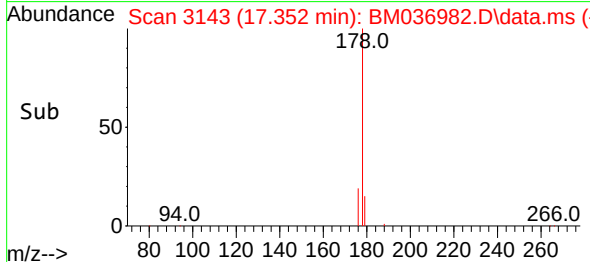
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



Tgt Ion:178 Resp: 62129  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.0 19.6  
176 19.6 15.6 23.4

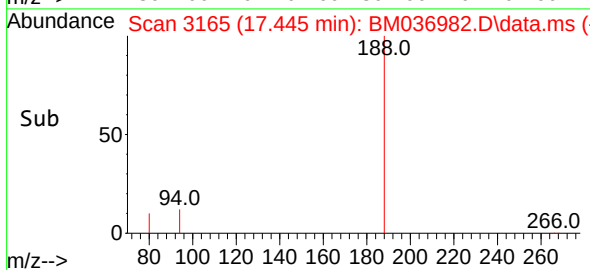
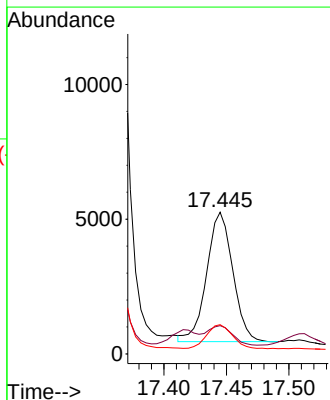
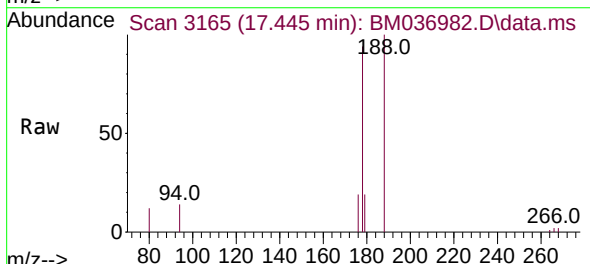
Manual Integrations  
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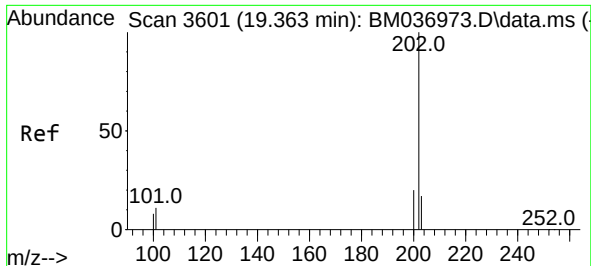
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#16  
Anthracene  
Concen: 0.088 ng/u1  
RT: 17.445 min Scan# 3165  
Delta R.T. -0.003 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

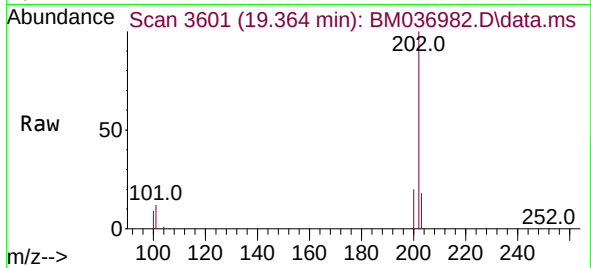
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Ion Ratio Lower Upper  
178 100  
179 19.9 13.6 20.4  
176 20.6 15.6 23.4





#19  
Fluoranthene  
Concen: 1.101 ng/u1  
RT: 19.364 min Scan# 3601  
Delta R.T. 0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

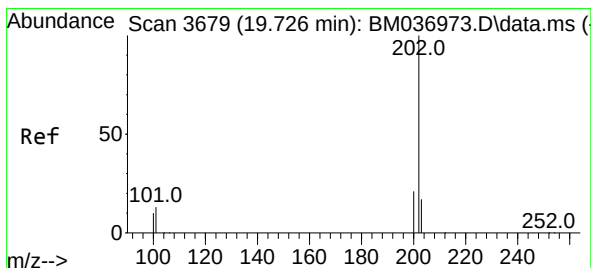
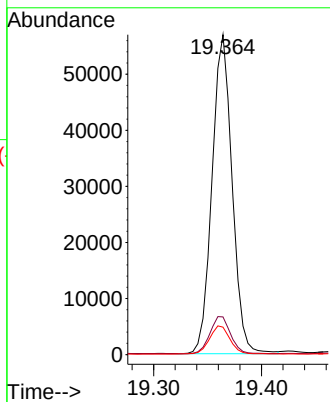
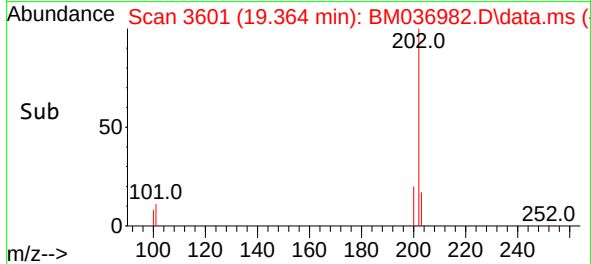
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



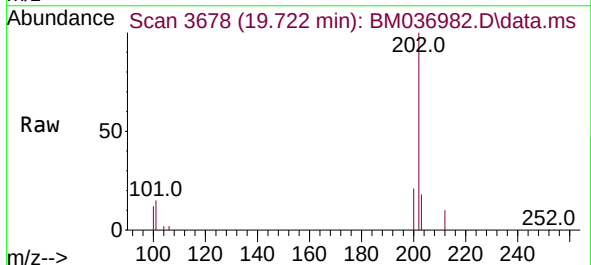
Tgt Ion:202 Resp: 73674  
Ion Ratio Lower Upper  
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101 11.8 10.1 15.1  
100 8.6 7.9 11.9

Manual Integrations  
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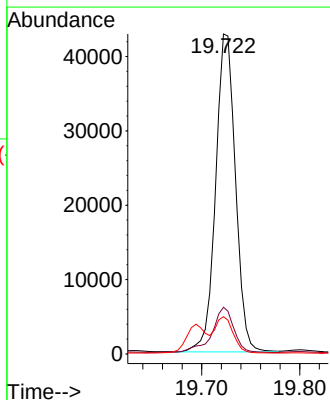
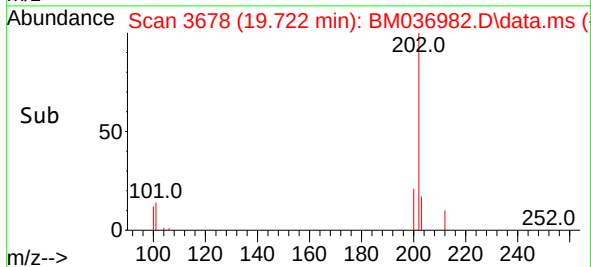
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022

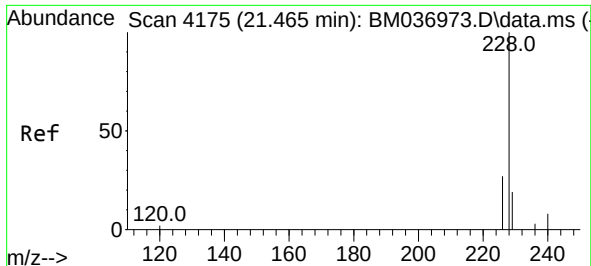


#20  
Pyrene  
Concen: 0.864 ng/u1  
RT: 19.722 min Scan# 3678  
Delta R.T. -0.004 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03



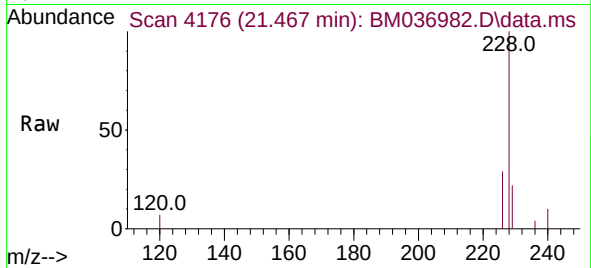
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Ion Ratio Lower Upper  
202 100  
101 14.6 12.0 18.0  
100 11.6 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.384 ng/ul  
RT: 21.467 min Scan# 4175  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

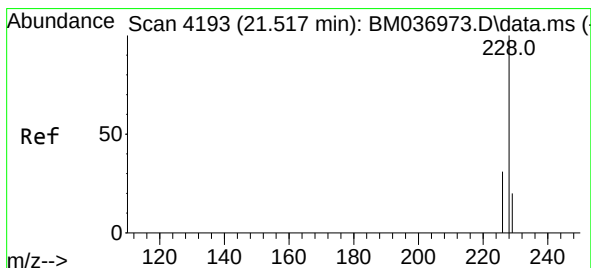
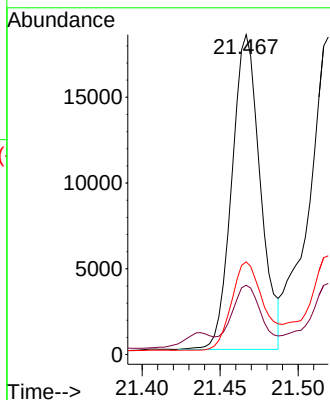
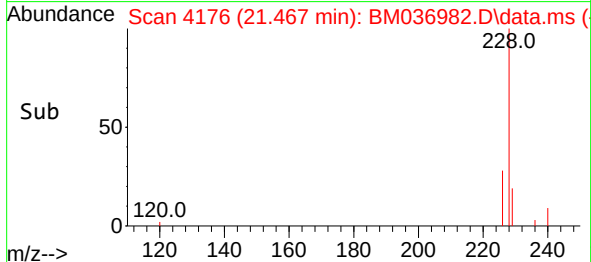
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



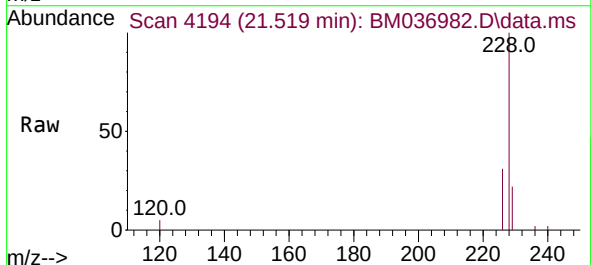
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228 100  
229 21.7 16.2 24.2  
226 29.0 22.5 33.7

Manual Integrations  
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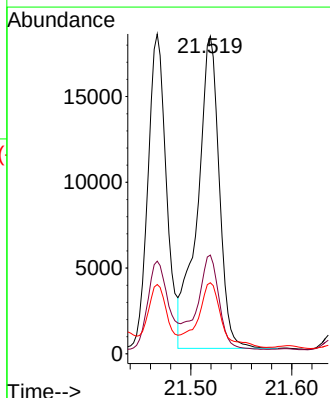
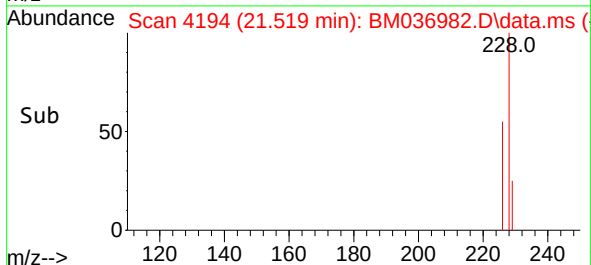
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



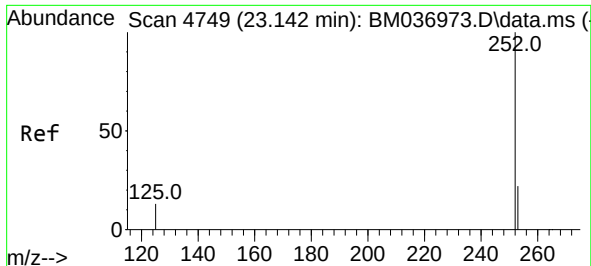
#22  
Chrysene  
Concen: 0.418 ng/ul  
RT: 21.519 min Scan# 4194  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03



Tgt Ion:228 Resp: 27276  
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226 31.1 24.6 37.0  
229 22.4 16.4 24.6

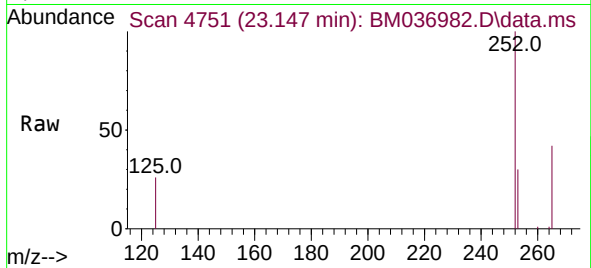






#24  
Benzo(b)fluoranthene  
Concen: 0.483 ng/ul  
RT: 23.147 min Scan# 4751  
Delta R.T. 0.002 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

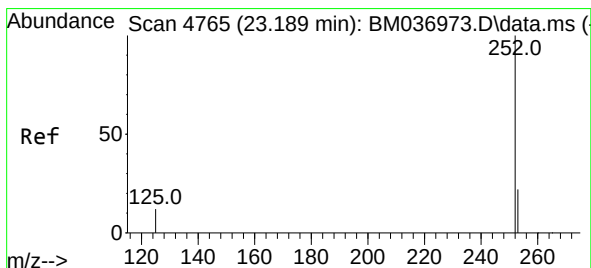
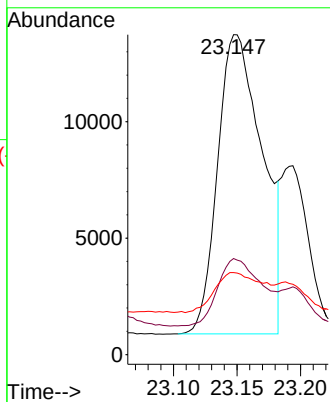
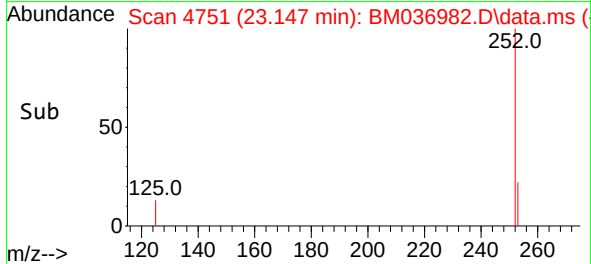
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



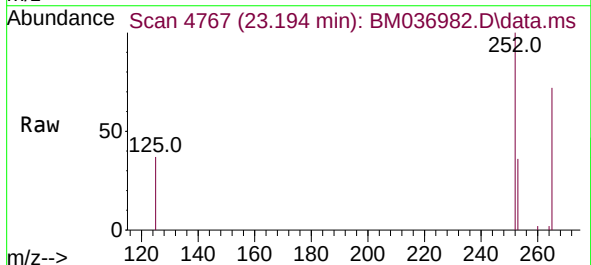
Tgt Ion:252 Resp: 31562  
Ion Ratio Lower Upper  
252 100  
253 30.0 0.0 61.4  
125 25.6 0.0 42.6

Manual Integrations  
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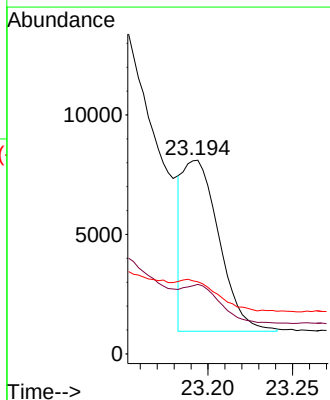
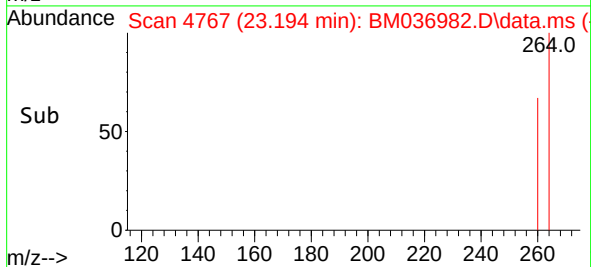
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022

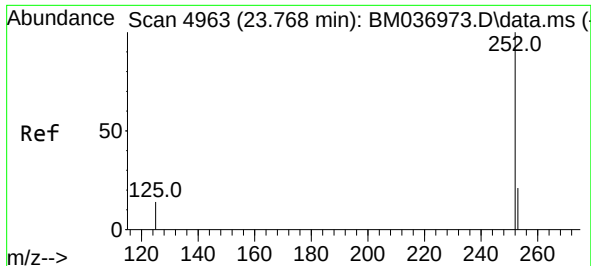


#25  
Benzo(k)fluoranthene  
Concen: 0.167 ng/ul m  
RT: 23.194 min Scan# 4767  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03



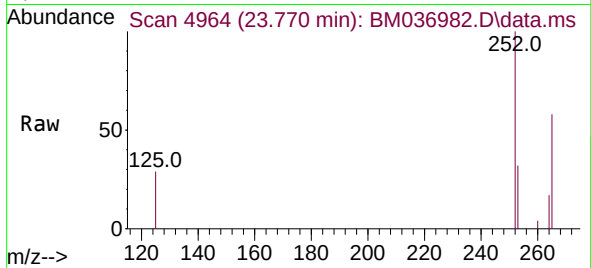
Tgt Ion:252 Resp: 10653  
Ion Ratio Lower Upper  
252 100  
253 35.9 25.2 37.8  
125 37.2 18.3 27.5#





#26  
Benzo(a)pyrene  
Concen: 0.369 ng/ul  
RT: 23.770 min Scan# 4963  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

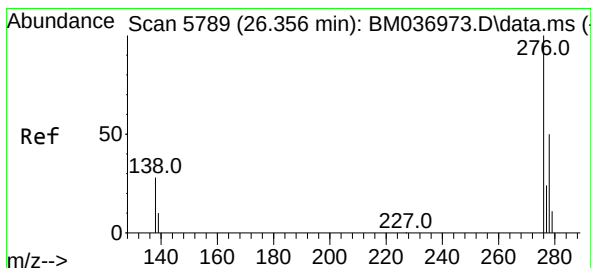
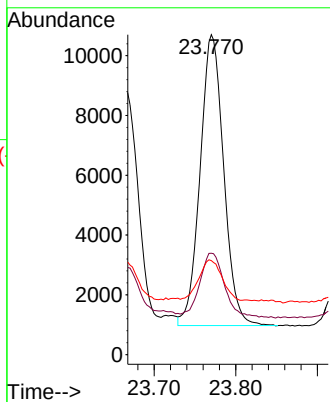
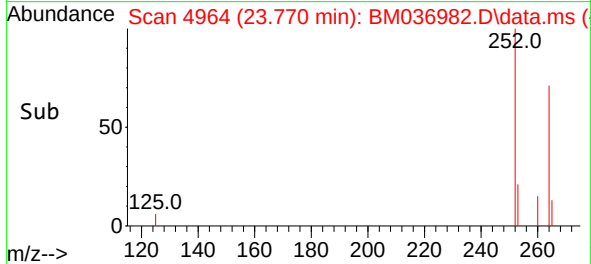
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



Tgt Ion:252 Resp: 19563  
Ion Ratio Lower Upper  
252 100  
253 31.7 29.7 44.5  
125 29.4 23.6 35.4

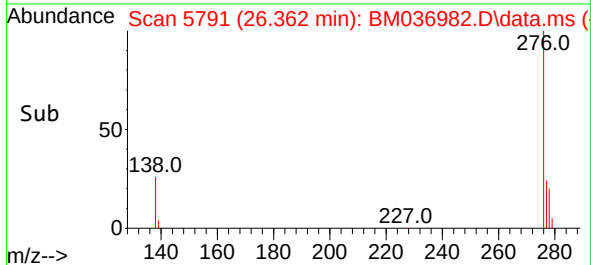
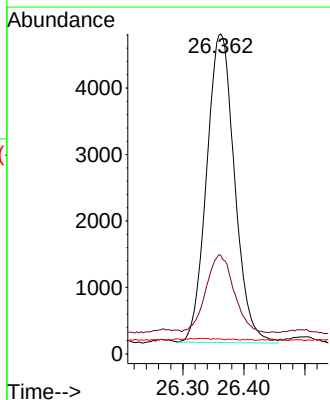
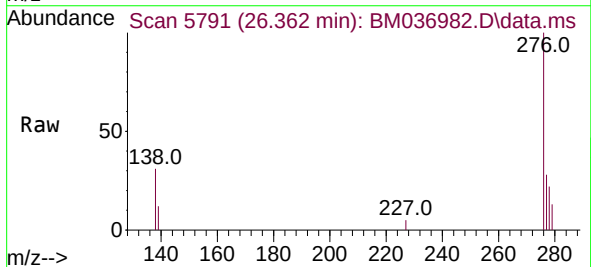
Manual Integrations  
APPROVED

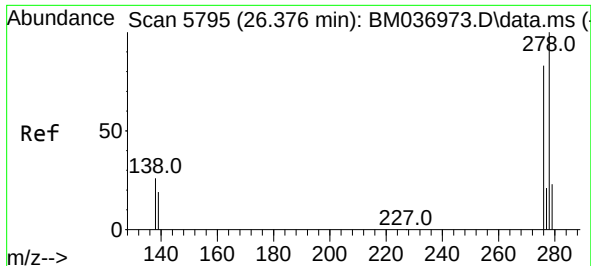
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.197 ng/ul  
RT: 26.362 min Scan# 5791  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

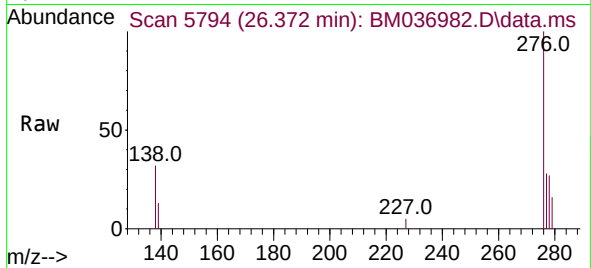
Tgt Ion:276 Resp: 14787  
Ion Ratio Lower Upper  
276 100  
138 25.3 23.9 35.9  
227 0.0 0.1 0.1#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.061 ng/ul  
RT: 26.372 min Scan# 5795  
Delta R.T. -0.008 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03

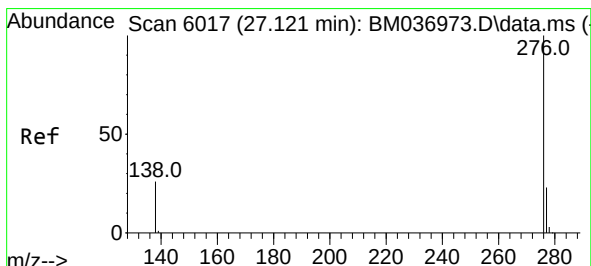
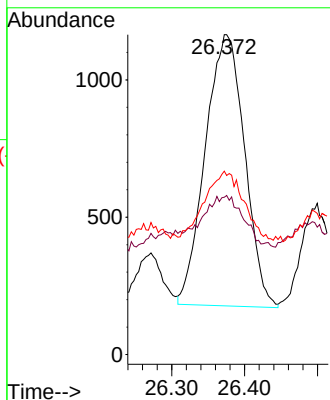
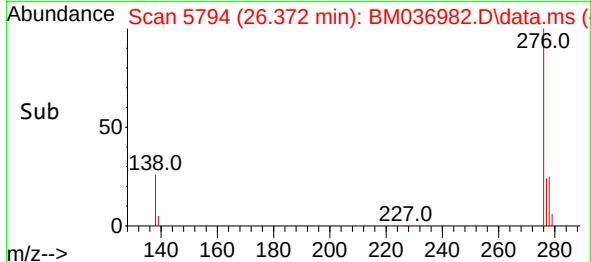
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ7DL



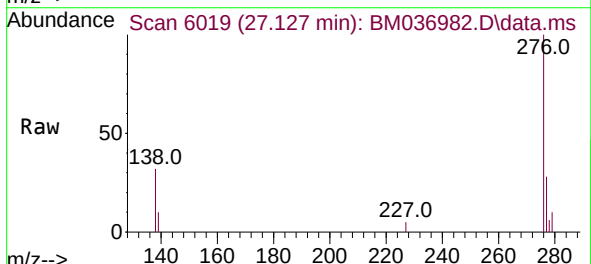
Tgt Ion:278 Resp: 3705  
Ion Ratio Lower Upper  
278 100  
139 49.2 19.8 29.6  
279 57.3 27.7 41.5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.200 ng/ul  
RT: 27.127 min Scan# 6019  
Delta R.T. -0.001 min  
Lab File: BM036982.D  
Acq: 12 Oct 2022 14:03



Tgt Ion:276 Resp: 13226  
Ion Ratio Lower Upper  
276 100  
138 32.5 23.4 35.0  
277 28.2 21.0 31.4

