

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
 Data File : BM036978.D  
 Acq On : 12 Oct 2022 11:35  
 Operator : CG/JU  
 Sample : N5024-03DL 5X  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BF0DL

Manual Integrations  
 APPROVED

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

Quant Time: Oct 12 23:09:20 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   | 7.947  | 152  | 8475     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.754 | 136  | 30236    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.576 | 164  | 16232    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.314 | 188  | 32741    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.481 | 240  | 19175    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.878 | 264  | 16695    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.348  | 96   | 9366     | 0.784 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.338 | 152  | 2436     | 0.053 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.332 | 212  | 4505     | 0.079 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.803 | 128  | 6897     | 0.080 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.409 | 142  | 4742     | 0.090 | ng/ul  | 93       |
| 8) 1-Methylnaphthalene      | 12.629 | 142  | 3728     | 0.069 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.298 | 152  | 25296    | 0.375 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.636 | 153  | 1262     | 0.022 | ng/ul  | 95       |
| 12) Fluorene                | 15.621 | 166  | 1479     | 0.022 | ng/ul# | 86       |
| 15) Phenanthrene            | 17.352 | 178  | 38004    | 0.364 | ng/ul  | 99       |
| 16) Anthracene              | 17.445 | 178  | 12808    | 0.147 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.364 | 202  | 77251    | 1.013 | ng/ul  | 97       |
| 20) Pyrene                  | 19.727 | 202  | 65609    | 0.825 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.467 | 228  | 36031    | 0.520 | ng/ul  | 93       |
| 22) Chrysene                | 21.516 | 228  | 39801    | 0.535 | ng/ul# | 96       |
| 24) Benzo(b)fluoranthene    | 23.147 | 252  | 73826    | 0.990 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.191 | 252  | 21920m   | 0.302 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.770 | 252  | 45357    | 0.750 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.355 | 276  | 44352    | 0.517 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.365 | 278  | 11038    | 0.159 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.123 | 276  | 42082    | 0.557 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

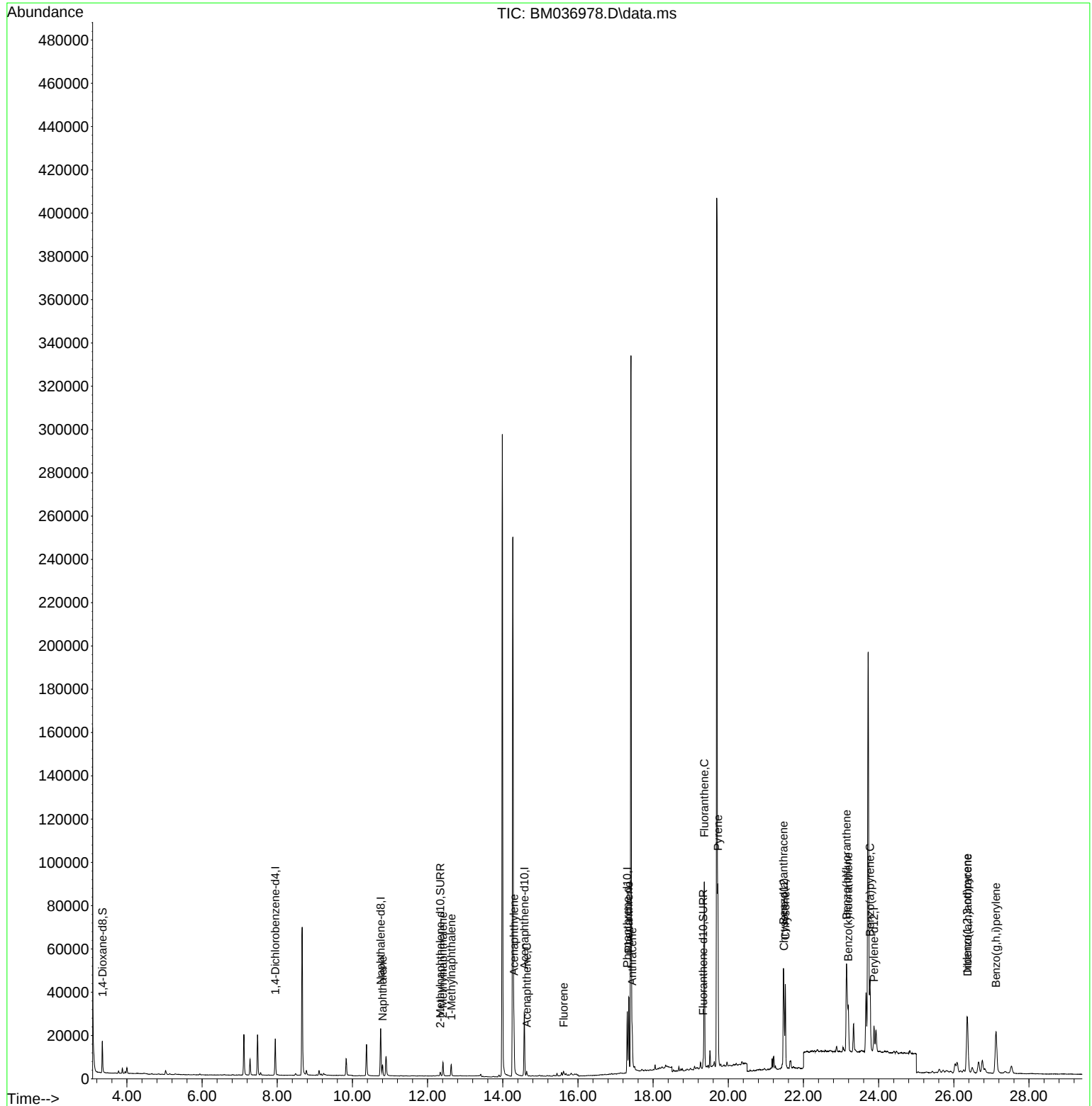
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101022\  
Data File : BM036978.D  
Acq On : 12 Oct 2022 11:35  
Operator : CG/JU  
Sample : N5024-03DL 5X  
Misc :  
ALS Vial : 82 Sample Multiplier: 1

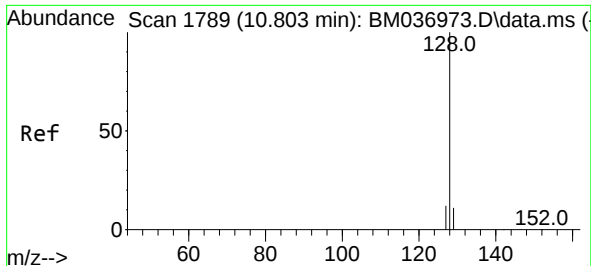
Instrument :  
BNA\_M  
ClientSampleId :  
C0BF0DL

Manual Integrations  
APPROVED

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

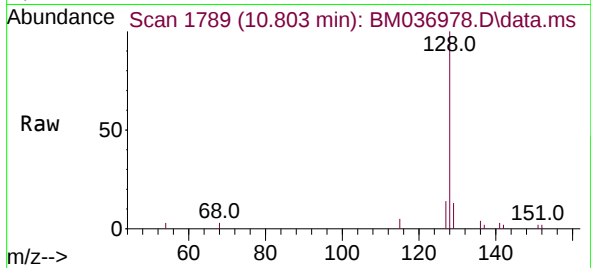
Quant Time: Oct 12 23:09:20 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 11 09:03:52 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.080 ng/ul  
RT: 10.803 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

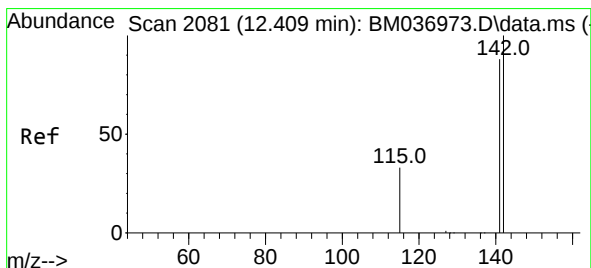
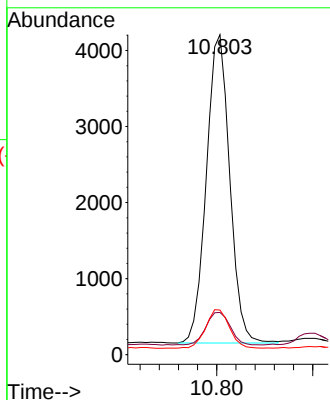
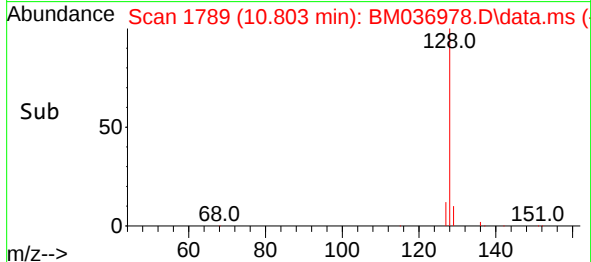
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:128 Resp: 6897  
Ion Ratio Lower Upper  
128 100  
129 13.2 10.2 15.2  
127 13.9 11.7 17.5

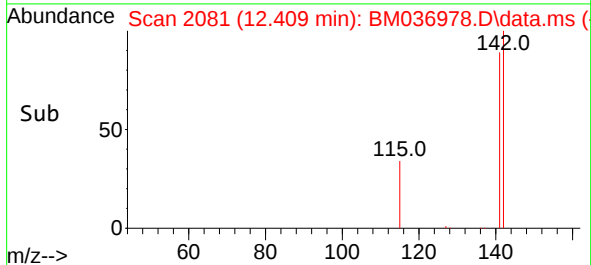
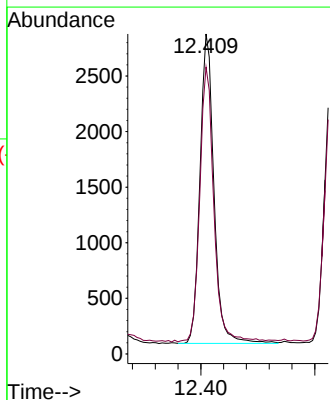
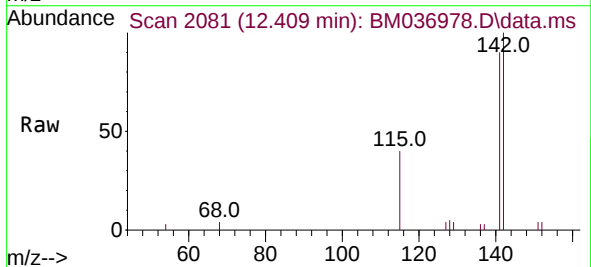
Manual Integrations  
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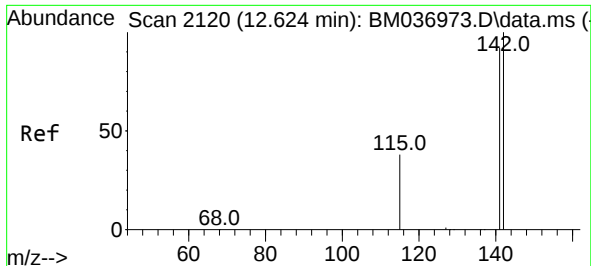
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#7  
2-Methylnaphthalene  
Concen: 0.090 ng/ul  
RT: 12.409 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

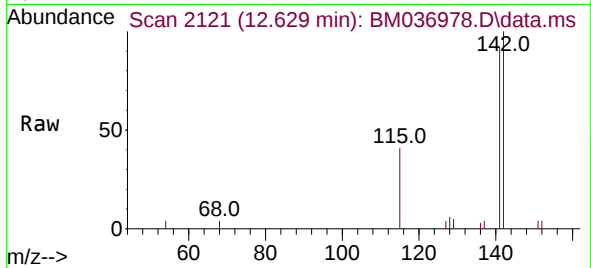
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Ion Ratio Lower Upper  
142 100  
141 89.6 77.4 116.0





#8  
1-Methylnaphthalene  
Concen: 0.069 ng/ul  
RT: 12.629 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

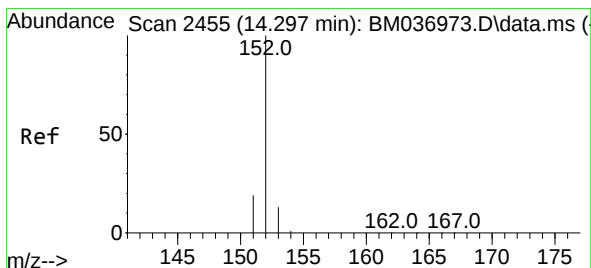
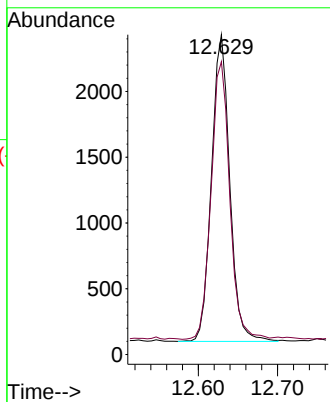
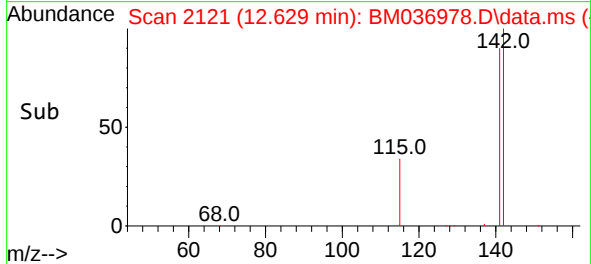
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:142 Resp: 3728  
Ion Ratio Lower Upper  
142 100  
141 92.4 74.1 111.1

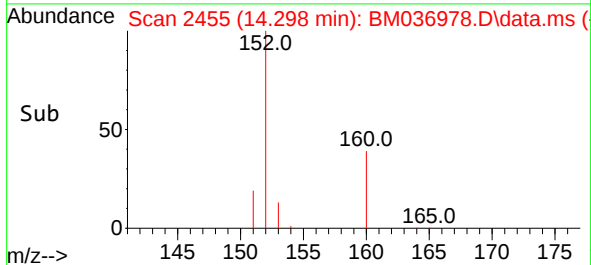
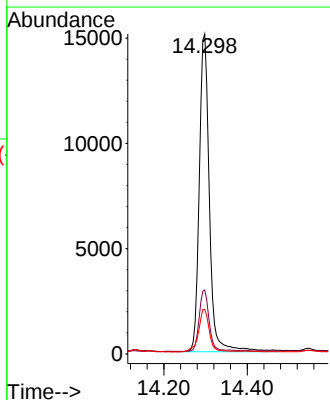
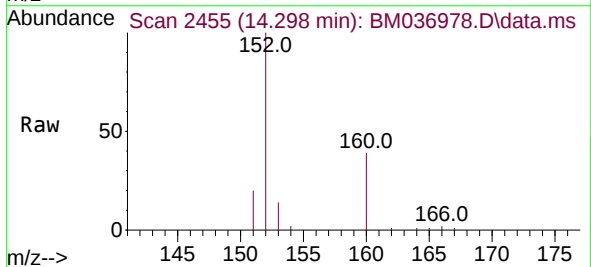
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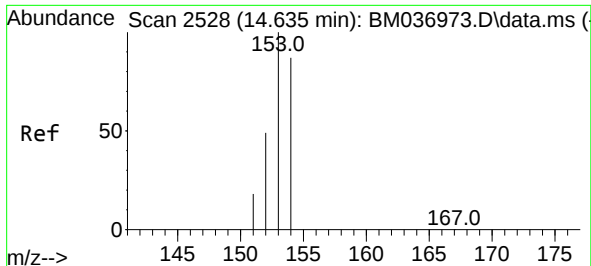
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#10  
Acenaphthylene  
Concen: 0.375 ng/ul  
RT: 14.298 min Scan# 2455  
Delta R.T. 0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

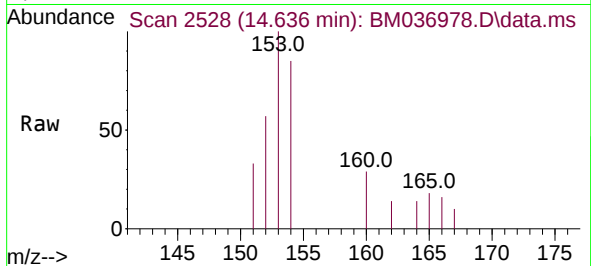
Tgt Ion:152 Resp: 25296  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.6 24.8  
153 13.9 11.4 17.0





#11  
Acenaphthene  
Concen: 0.022 ng/ul  
RT: 14.636 min Scan# 2528  
Delta R.T. -0.004 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

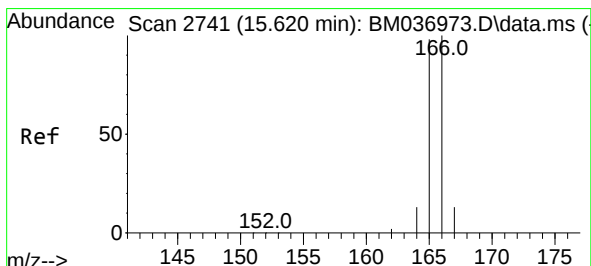
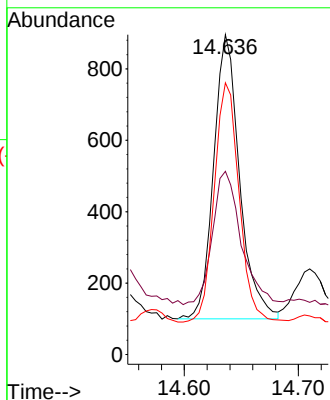
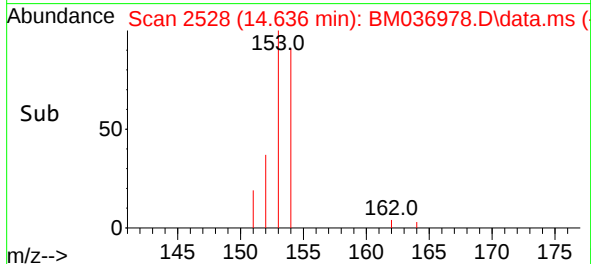
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:153 Resp: 1262  
Ion Ratio Lower Upper  
153 100  
152 57.3 40.2 60.4  
154 84.9 69.7 104.5

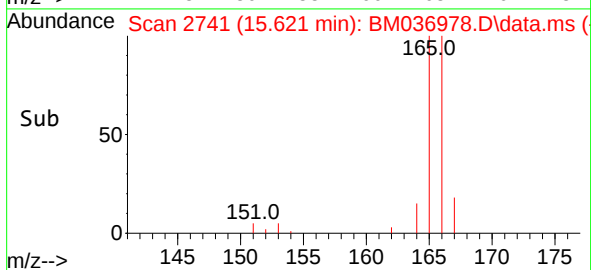
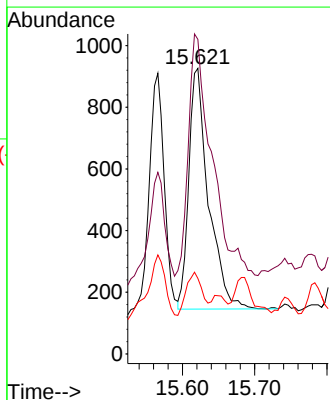
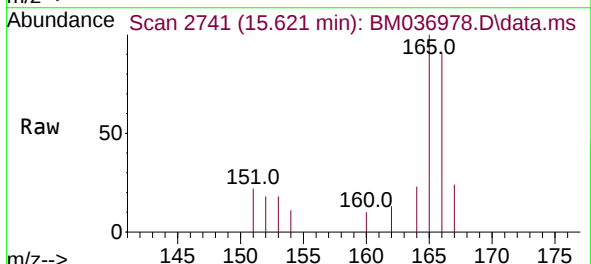
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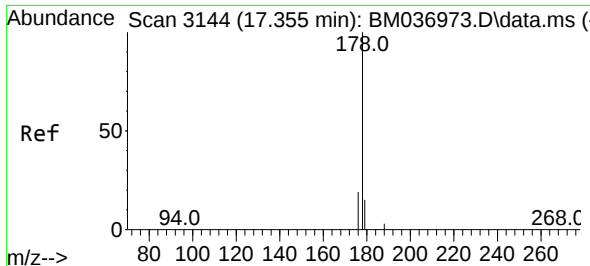
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#12  
Fluorene  
Concen: 0.022 ng/ul  
RT: 15.621 min Scan# 2741  
Delta R.T. 0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

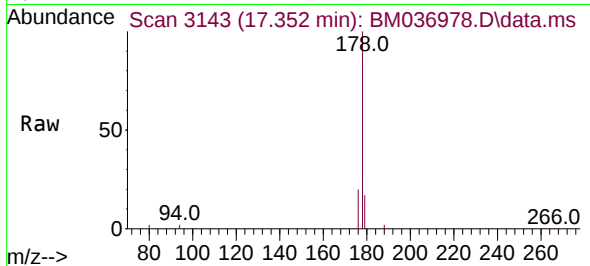
Tgt Ion:166 Resp: 1479  
Ion Ratio Lower Upper  
166 100  
165 110.2 78.9 118.3  
167 26.5 11.3 16.9#





#15  
Phenanthrene  
Concen: 0.364 ng/ul  
RT: 17.352 min Scan# 3144  
Delta R.T. -0.003 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

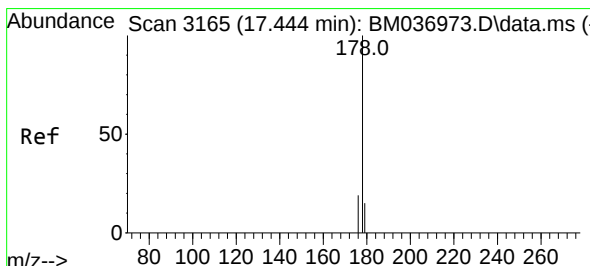
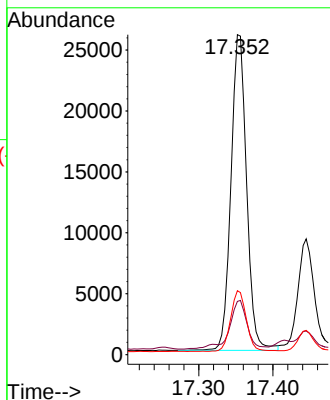
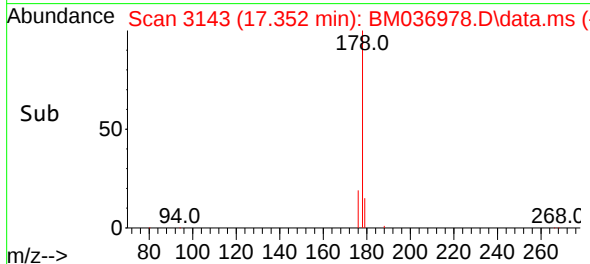
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:178 Resp: 38004  
Ion Ratio Lower Upper  
178 100  
179 16.6 13.0 19.6  
176 20.0 15.6 23.4

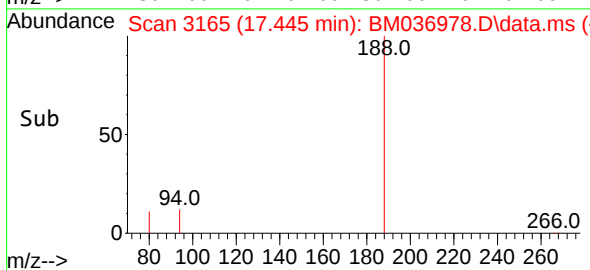
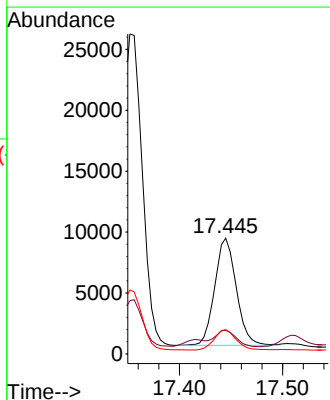
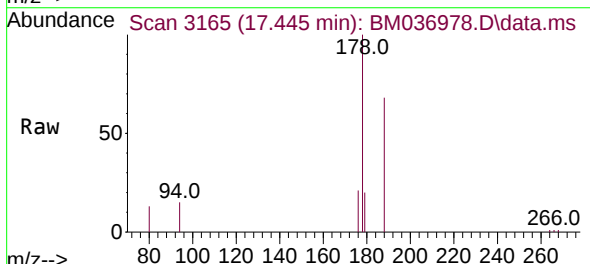
Manual Integrations  
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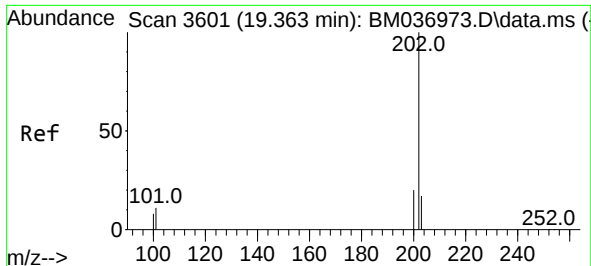
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#16  
Anthracene  
Concen: 0.147 ng/ul  
RT: 17.445 min Scan# 3165  
Delta R.T. -0.003 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

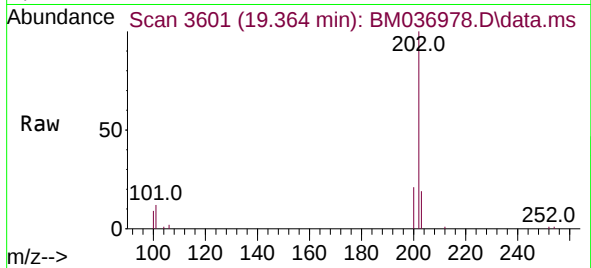
Tgt Ion:178 Resp: 12808  
Ion Ratio Lower Upper  
178 100  
179 20.3 13.6 20.4  
176 20.9 15.6 23.4





#19  
Fluoranthene  
Concen: 1.013 ng/u1  
RT: 19.364 min Scan# 3601  
Delta R.T. 0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

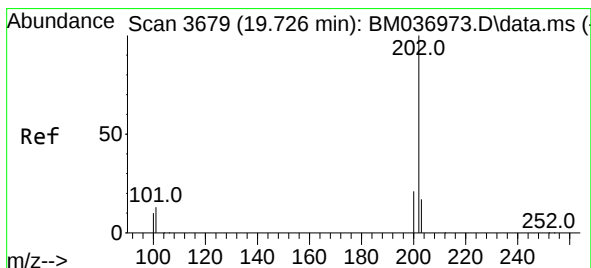
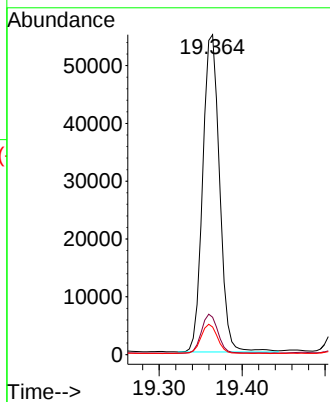
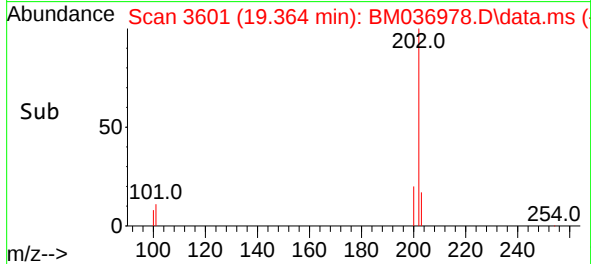
Instrument :  
BNA\_M  
ClientSampleId :  
C0BF0DL



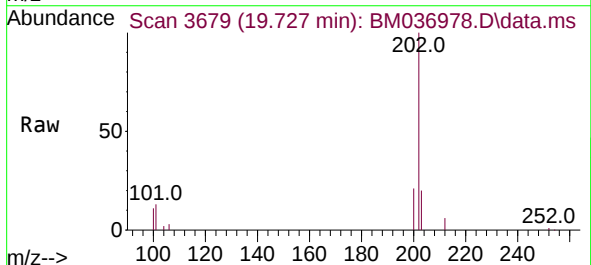
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Ion Ratio Lower Upper  
202 100  
101 11.7 10.1 15.1  
100 8.6 7.9 11.9

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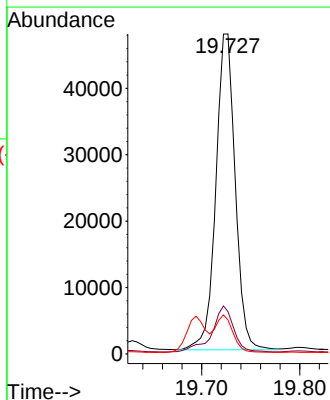
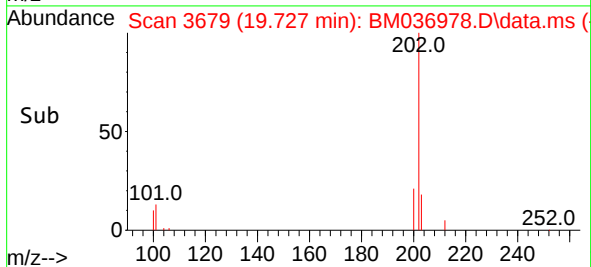
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022

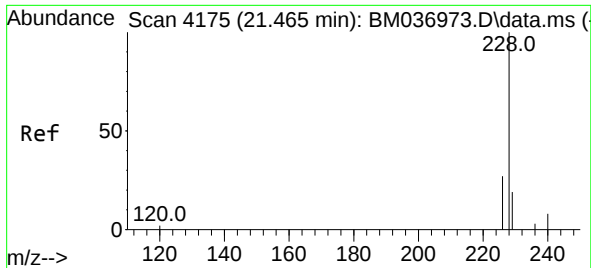


#20  
Pyrene  
Concen: 0.825 ng/u1  
RT: 19.727 min Scan# 3679  
Delta R.T. 0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35



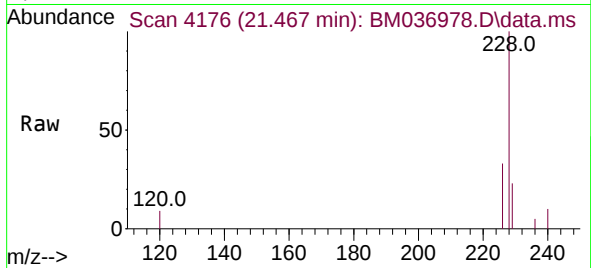
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Ion Ratio Lower Upper  
202 100  
101 13.2 12.0 18.0  
100 10.6 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.520 ng/ul  
RT: 21.467 min Scan# 4175  
Delta R.T. -0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

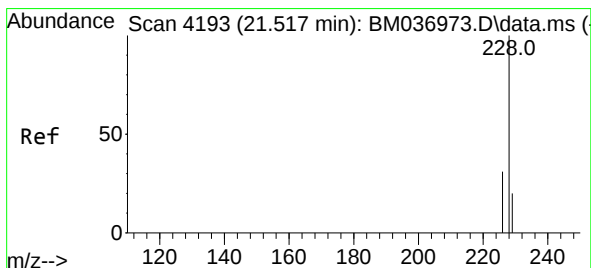
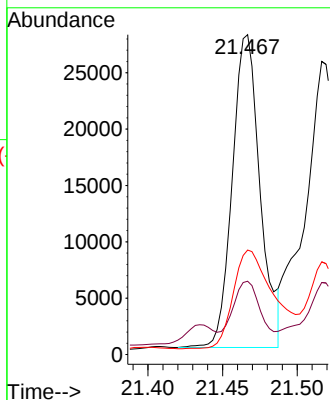
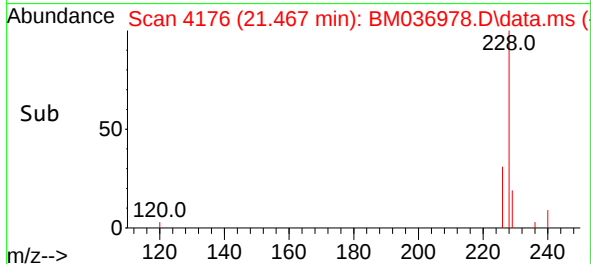
Instrument :  
BNA\_M  
ClientSampleId :  
C0BF0DL



Tgt Ion:228 Resp: 36031  
Ion Ratio Lower Upper  
228 100  
229 22.9 16.2 24.2  
226 32.7 22.5 33.7

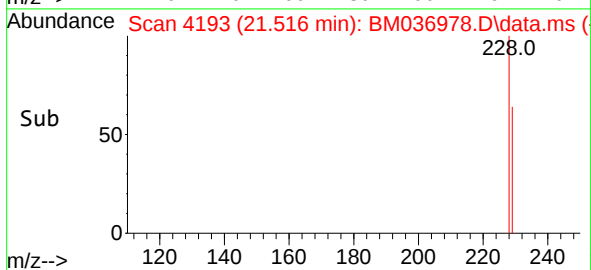
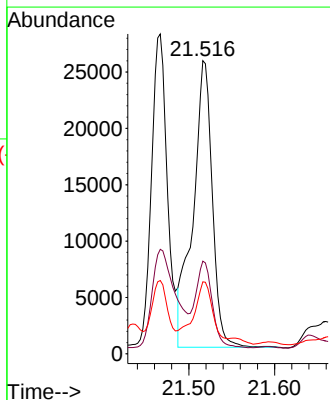
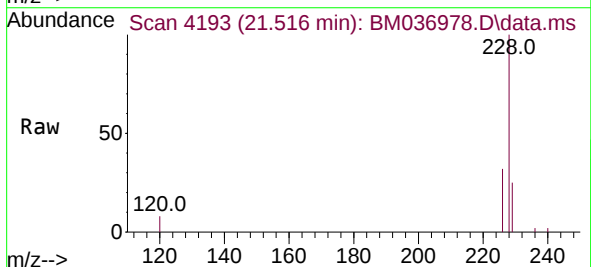
Manual Integrations  
APPROVED

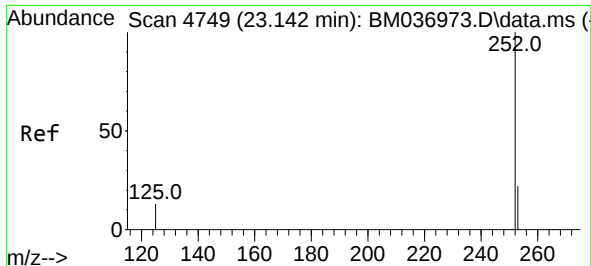
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#22  
Chrysene  
Concen: 0.535 ng/ul  
RT: 21.516 min Scan# 4193  
Delta R.T. -0.004 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

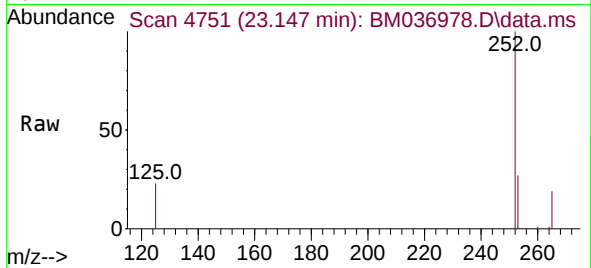
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Ion Ratio Lower Upper  
228 100  
226 31.6 24.6 37.0  
229 24.6 16.4 24.6#





#24  
Benzo(b)fluoranthene  
Concen: 0.990 ng/ul  
RT: 23.147 min Scan# 4751  
Delta R.T. 0.002 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

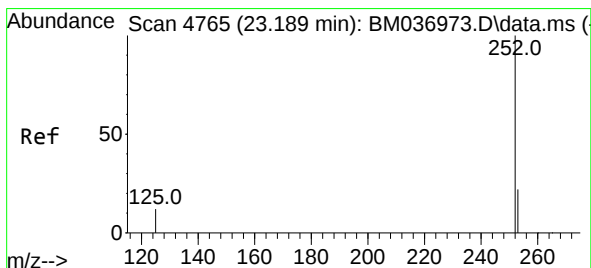
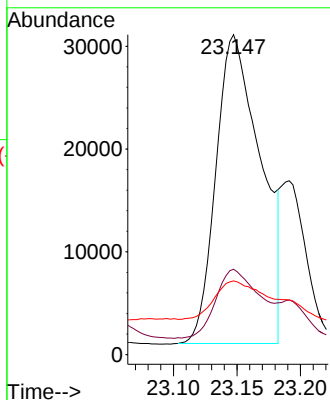
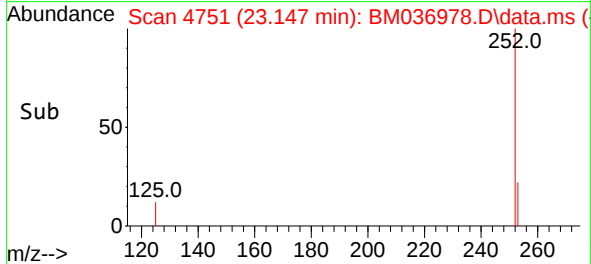
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:252 Resp: 73826  
Ion Ratio Lower Upper  
252 100  
253 26.7 0.0 61.4  
125 23.0 0.0 42.6

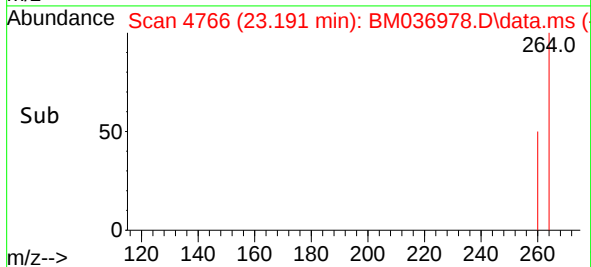
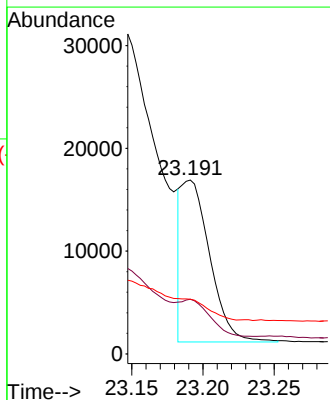
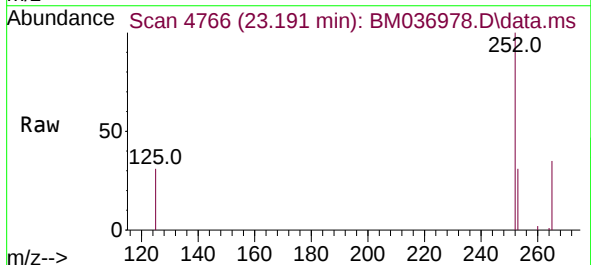
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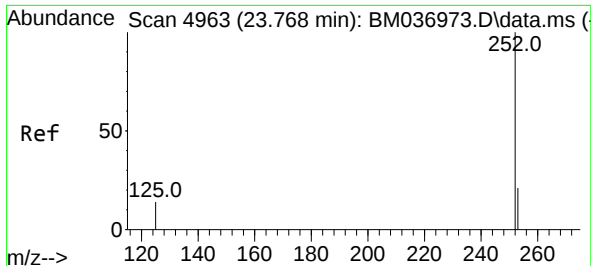
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.302 ng/ul m  
RT: 23.191 min Scan# 4766  
Delta R.T. -0.004 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

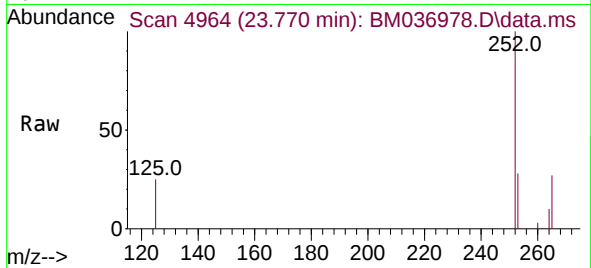
Tgt Ion:252 Resp: 21920  
Ion Ratio Lower Upper  
252 100  
253 31.5 25.2 37.8  
125 31.4 18.3 27.5#





#26  
Benzo(a)pyrene  
Concen: 0.750 ng/ul  
RT: 23.770 min Scan# 4963  
Delta R.T. -0.001 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

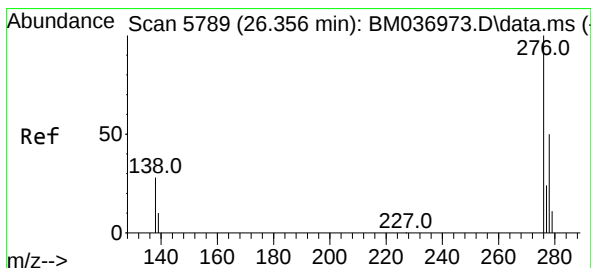
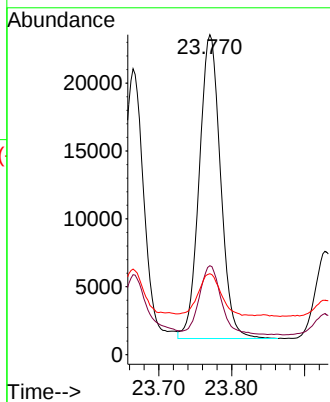
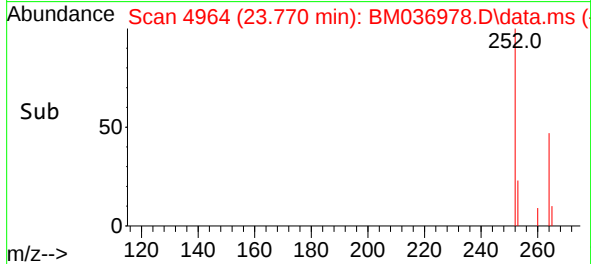
Instrument :  
BNA\_M  
ClientSampleId :  
COBF0DL



Tgt Ion:252 Resp: 45352  
Ion Ratio Lower Upper  
252 100  
253 27.8 29.7 44.5  
125 25.3 23.6 35.4

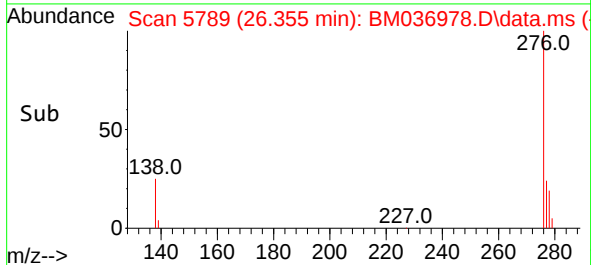
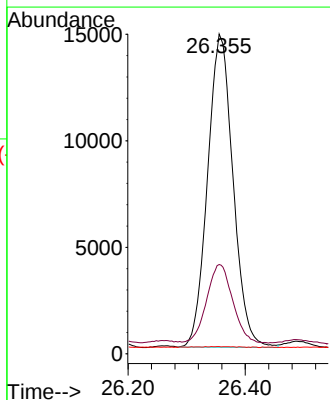
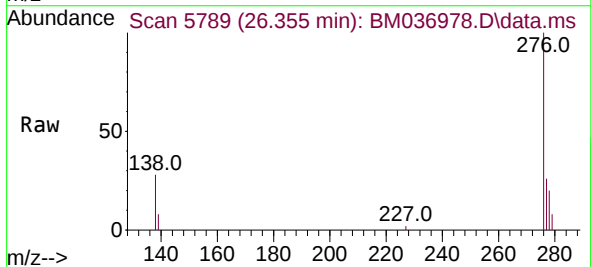
Manual Integrations  
APPROVED

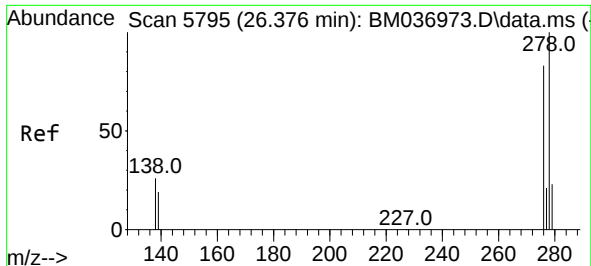
Reviewed By :Jagrut Upadhyay 10/13/2022  
Supervised By :mohammad ahmed 10/14/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.517 ng/ul  
RT: 26.355 min Scan# 5789  
Delta R.T. -0.008 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

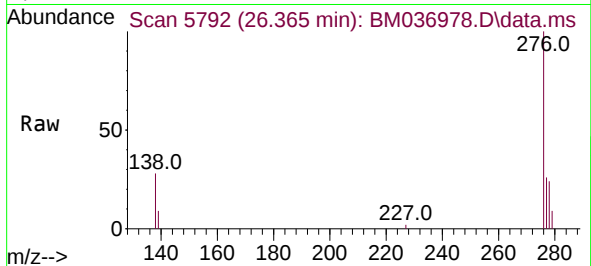
Tgt Ion:276 Resp: 44352  
Ion Ratio Lower Upper  
276 100  
138 25.9 23.9 35.9  
227 0.1 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.159 ng/ul  
RT: 26.365 min Scan# 5795  
Delta R.T. -0.014 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35

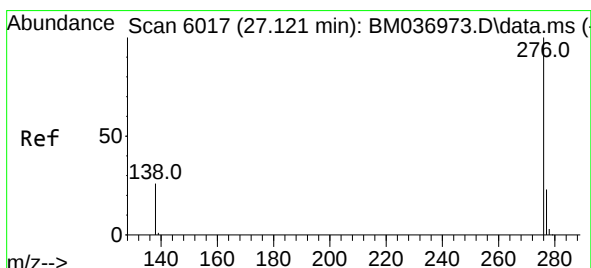
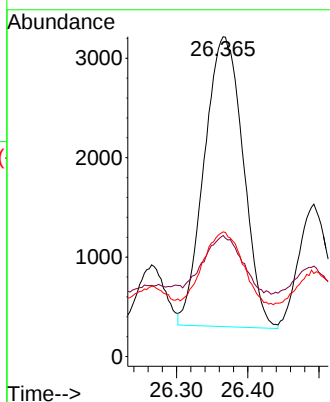
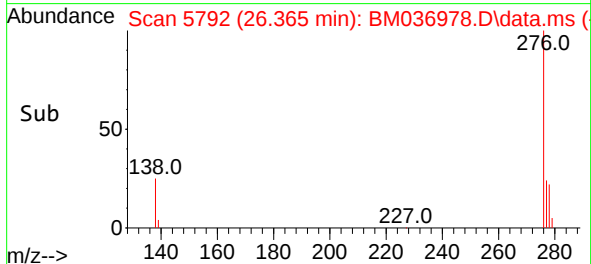
Instrument :  
BNA\_M  
ClientSampleId :  
C0BF0DL



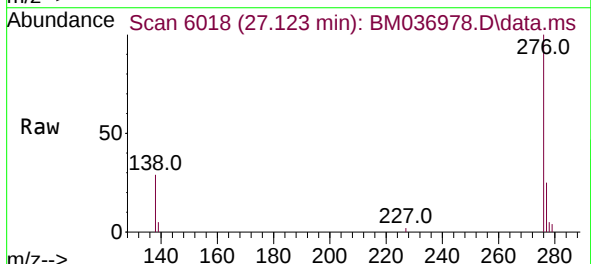
Tgt Ion:278 Resp: 11038  
Ion Ratio Lower Upper  
278 100  
139 37.8 19.8 29.6  
279 39.0 27.7 41.5

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.557 ng/ul  
RT: 27.123 min Scan# 6018  
Delta R.T. -0.004 min  
Lab File: BM036978.D  
Acq: 12 Oct 2022 11:35



Tgt Ion:276 Resp: 42082  
Ion Ratio Lower Upper  
276 100  
138 28.8 23.4 35.0  
277 25.3 21.0 31.4

