

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102122\  
 Data File : BM037192.D  
 Acq On : 22 Oct 2022 06:38  
 Operator : CG/JU  
 Sample : N5064-02  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2022  
 Supervised By :mohammad ahmed 10/24/2022

Quant Time: Oct 22 11:37:29 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 22 03:34:37 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.900  | 152  | 4908     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.699 | 136  | 14775    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.529 | 164  | 8713     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.271 | 188  | 18899    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.444 | 240  | 15828    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.815 | 264  | 14853    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.310  | 96   | 21426    | 3.580 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.283 | 152  | 5633     | 0.268 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.294 | 212  | 14420    | 0.301 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.748 | 128  | 45688    | 1.044 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.360 | 142  | 36737    | 1.402 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.574 | 142  | 28402    | 1.062 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.251 | 152  | 14237    | 0.380 | ng/ul# | 94       |
| 11) Acenaphthene            | 14.589 | 153  | 1269     | 0.038 | ng/ul  | 94       |
| 12) Fluorene                | 15.574 | 166  | 2034     | 0.051 | ng/ul# | 80       |
| 15) Phenanthrene            | 17.309 | 178  | 63165    | 0.990 | ng/ul  | 99       |
| 16) Anthracene              | 17.402 | 178  | 10422    | 0.206 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.322 | 202  | 114243   | 1.661 | ng/ul  | 99       |
| 20) Pyrene                  | 19.689 | 202  | 100018   | 1.435 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.430 | 228  | 63935    | 1.041 | ng/ul  | 96       |
| 22) Chrysene                | 21.482 | 228  | 71064    | 1.005 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.093 | 252  | 106370   | 1.352 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.136 | 252  | 38146m   | 0.502 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.712 | 252  | 63309    | 1.002 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.262 | 276  | 45771    | 0.519 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.276 | 278  | 11631    | 0.167 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 27.027 | 276  | 40364    | 0.520 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

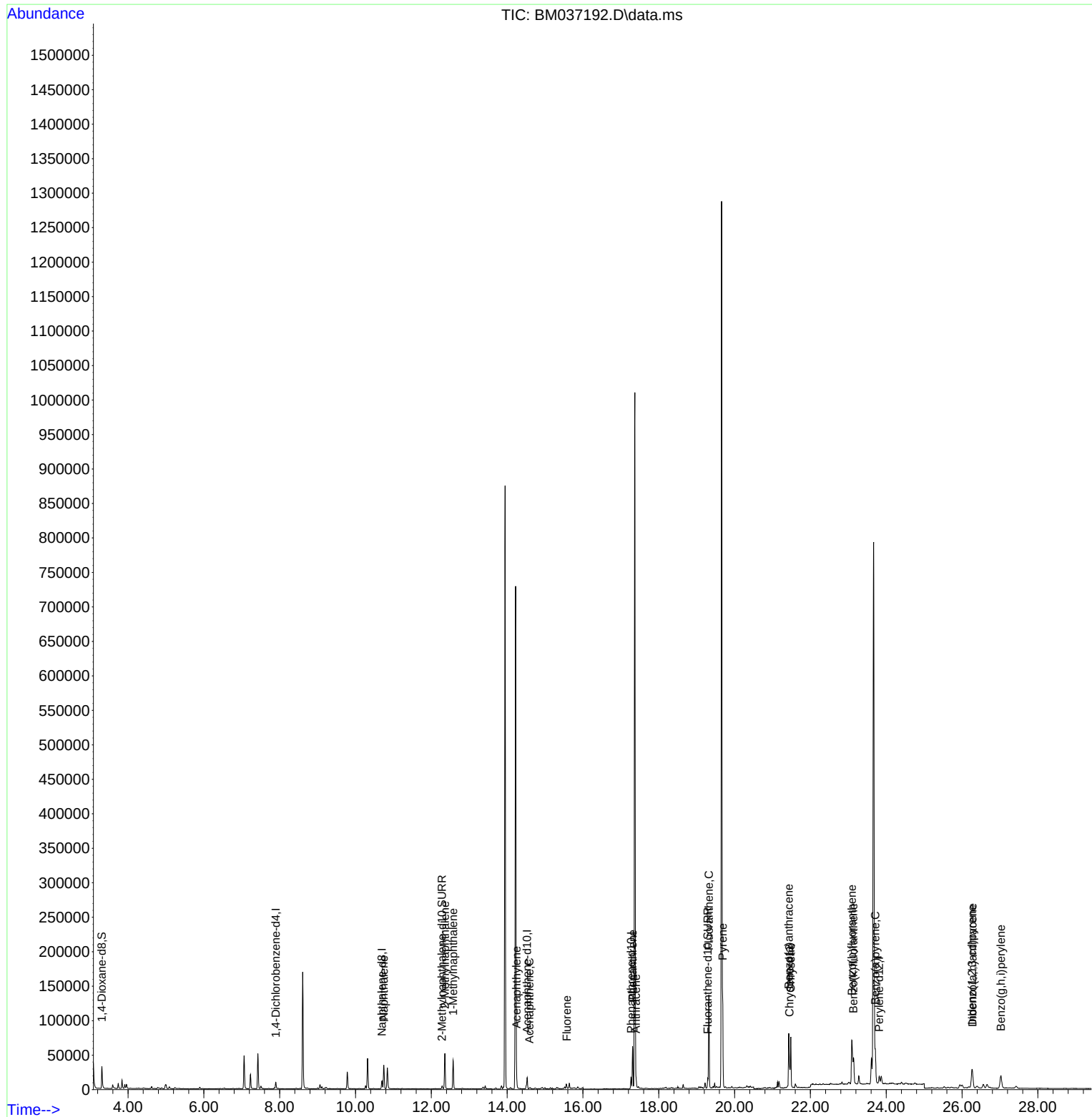
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102122\  
Data File : BM037192.D  
Acq On : 22 Oct 2022 06:38  
Operator : CG/JU  
Sample : N5064-02  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

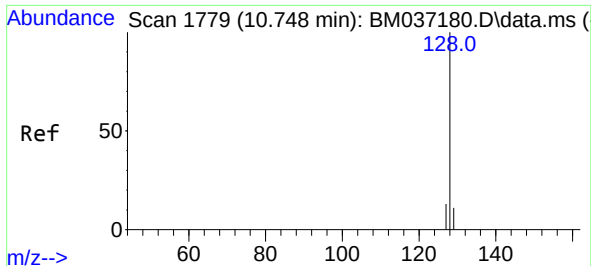
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2

Manual Integrations  
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Supervised By :mohammad ahmed 10/24/2022

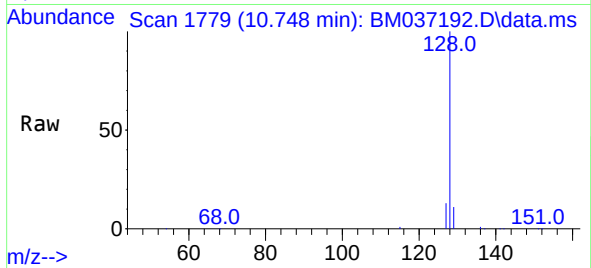
Quant Time: Oct 22 11:37:29 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 22 03:34:37 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 1.044 ng/ul  
RT: 10.748 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

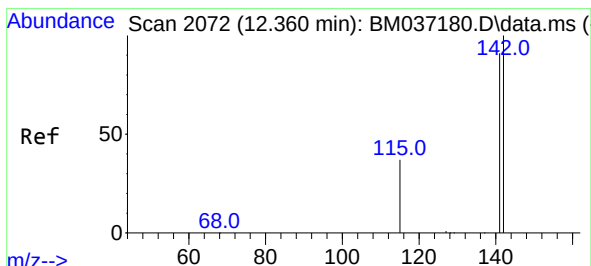
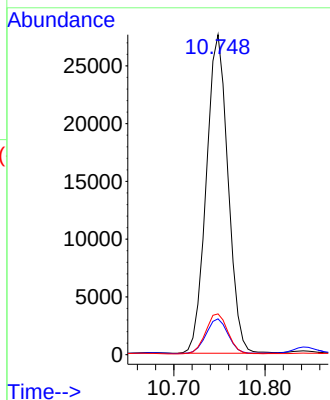
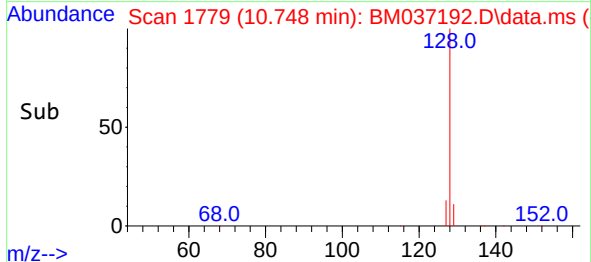
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BNA\_M  
ClientSampleId :  
C0BJ2



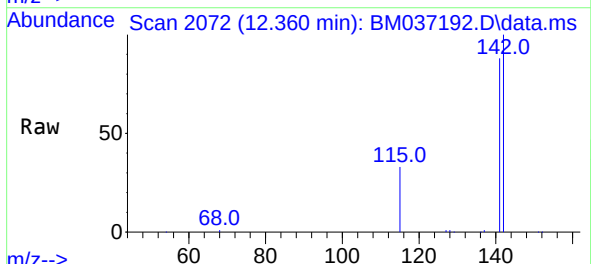
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Ion Ratio Lower Upper  
128 100  
129 11.2 9.3 13.9  
127 12.8 10.5 15.7

Manual Integrations  
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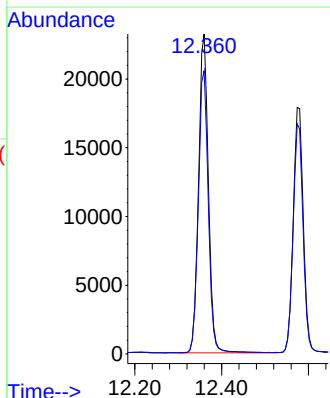
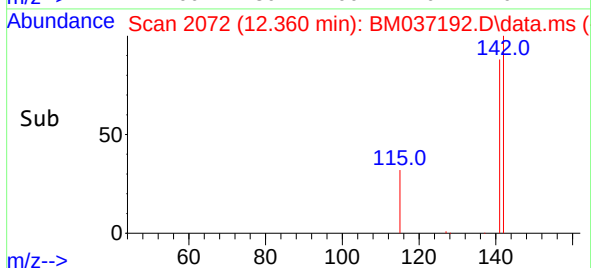
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

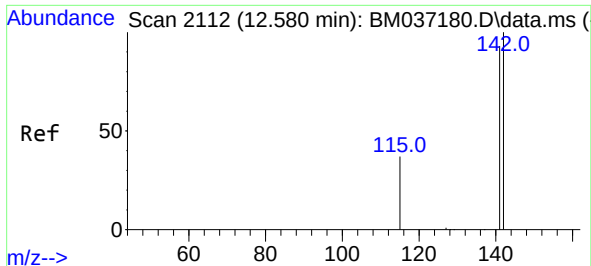


#7  
2-Methylnaphthalene  
Concen: 1.402 ng/ul  
RT: 12.360 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



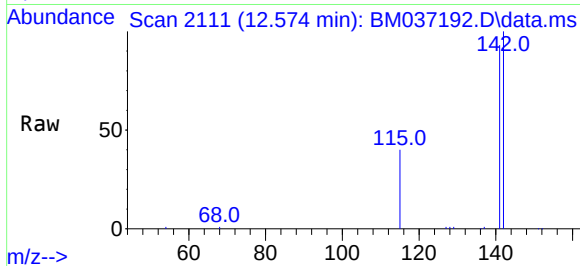
Tgt Ion:142 Resp: 36737  
Ion Ratio Lower Upper  
142 100  
141 89.1 72.8 109.2





#8  
1-Methylnaphthalene  
Concen: 1.062 ng/ul  
RT: 12.574 min Scan# 2112  
Delta R.T. -0.005 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

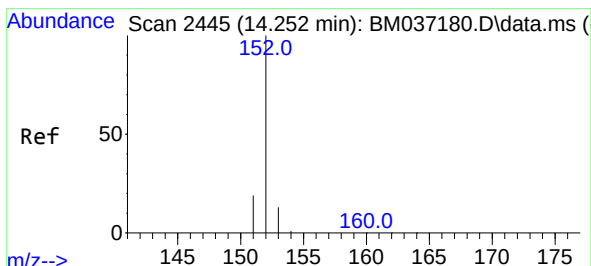
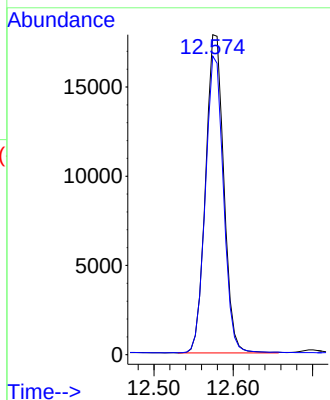
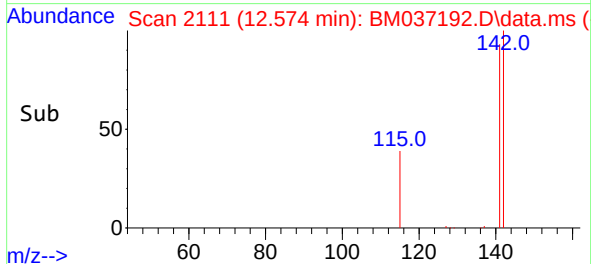
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



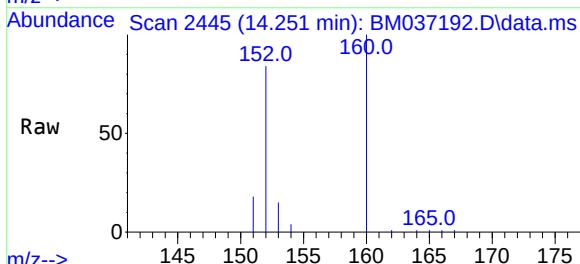
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Ion Ratio Lower Upper  
142 100  
141 92.5 74.2 111.4

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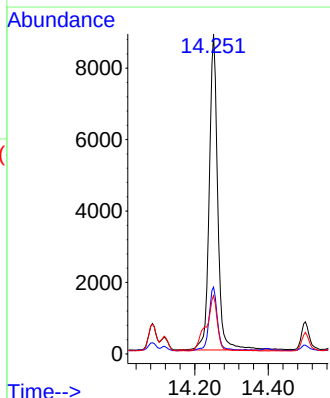
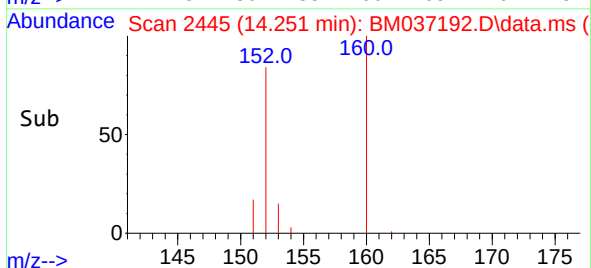
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

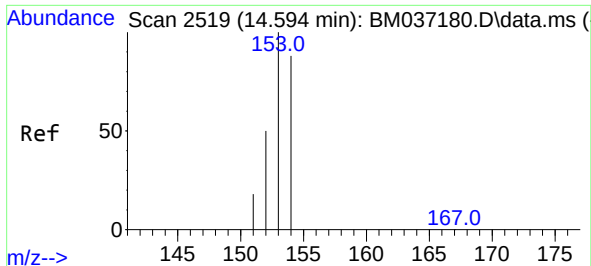


#10  
Acenaphthylene  
Concen: 0.380 ng/ul  
RT: 14.251 min Scan# 2445  
Delta R.T. -0.001 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



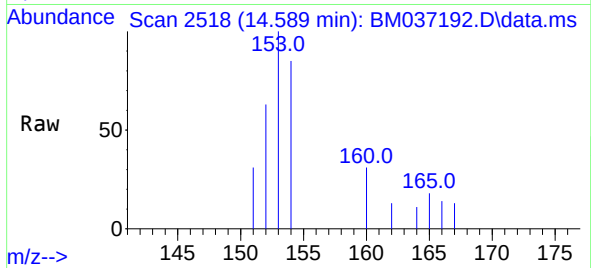
Tgt Ion:152 Resp: 14237  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.2 24.2  
153 18.2 10.8 16.2#





#11  
Acenaphthene  
Concen: 0.038 ng/u1  
RT: 14.589 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

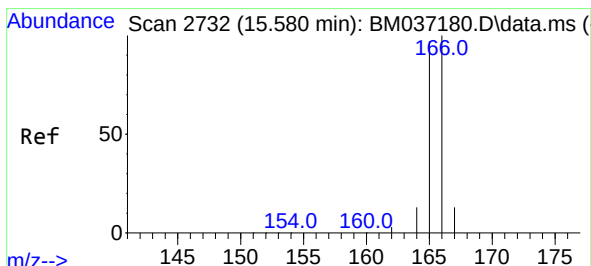
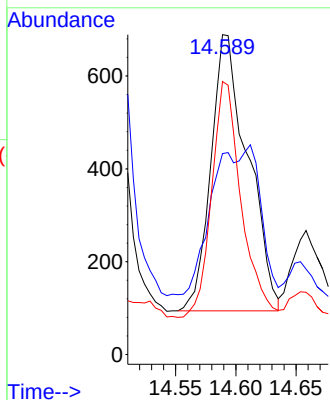
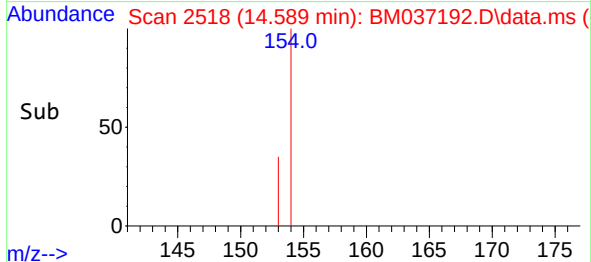
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



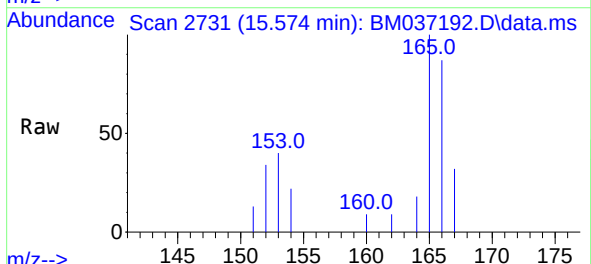
Tgt Ion:153 Resp: 1269  
Ion Ratio Lower Upper  
153 100  
152 62.8 43.3 64.9  
154 85.3 70.0 105.0

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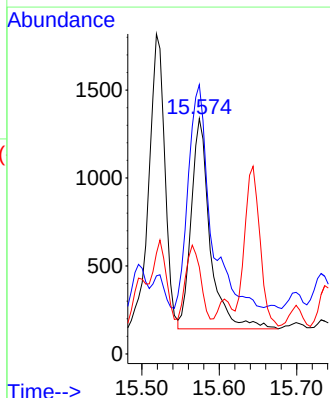
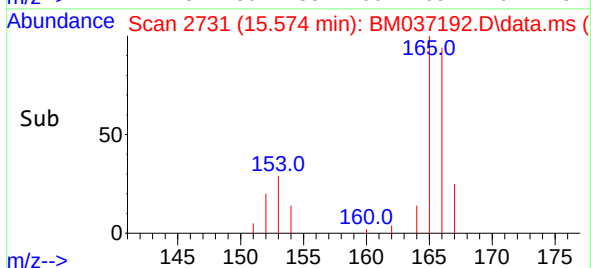
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

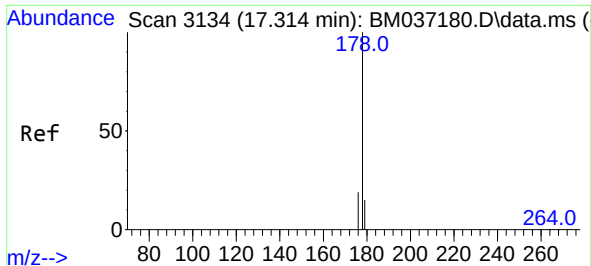


#12  
Fluorene  
Concen: 0.051 ng/u1  
RT: 15.574 min Scan# 2731  
Delta R.T. -0.005 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



Tgt Ion:166 Resp: 2034  
Ion Ratio Lower Upper  
166 100  
165 114.4 79.4 119.2  
167 36.9 11.3 16.9#





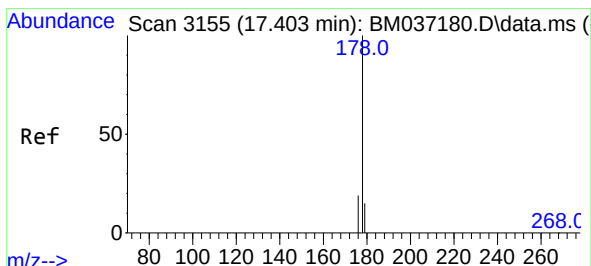
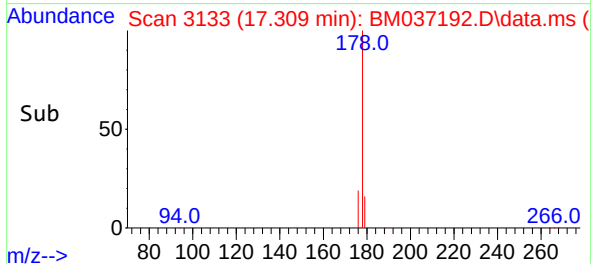
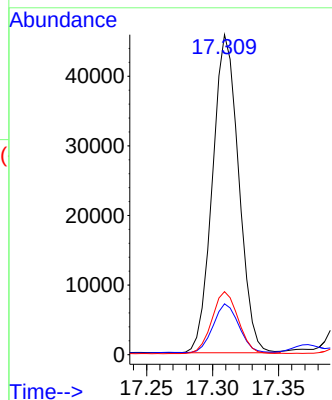
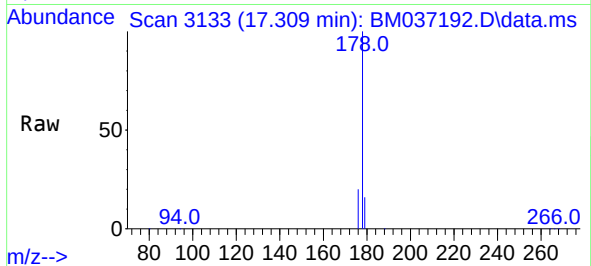
#15  
Phenanthrene  
Concen: 0.990 ng/u1  
RT: 17.309 min Scan# 3134  
Delta R.T. -0.005 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2

Tgt Ion:178 Resp: 6316  
Ion Ratio Lower Upper  
178 100  
179 15.9 13.0 19.6  
176 19.7 16.1 24.1

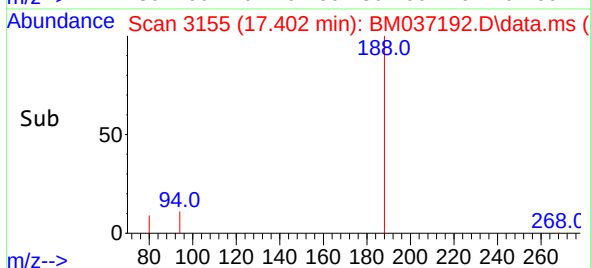
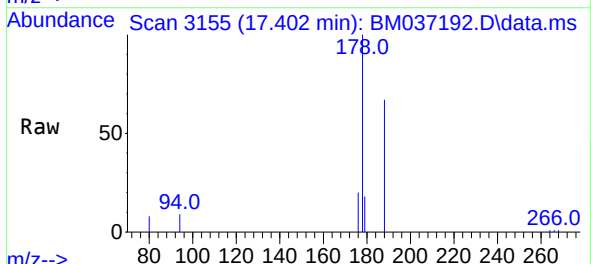
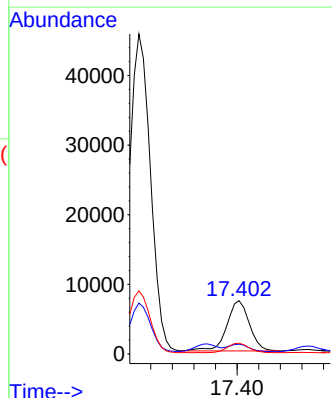
Manual Integrations  
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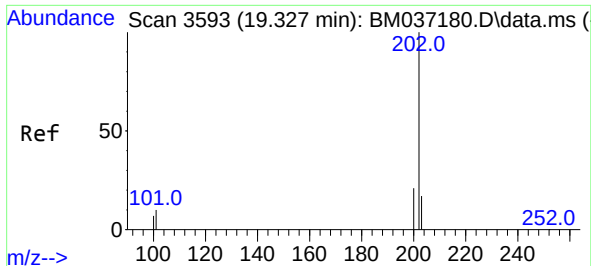
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#16  
Anthracene  
Concen: 0.206 ng/u1  
RT: 17.402 min Scan# 3155  
Delta R.T. -0.001 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

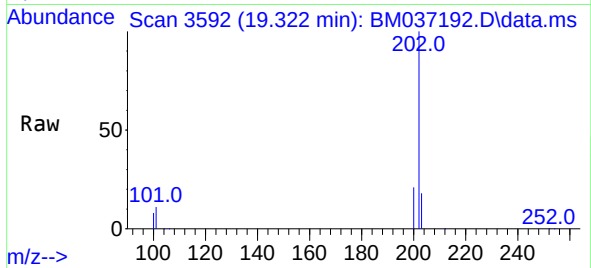
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Ion Ratio Lower Upper  
178 100  
179 18.3 13.1 19.7  
176 20.2 15.3 22.9





#19  
Fluoranthene  
Concen: 1.661 ng/u1  
RT: 19.322 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

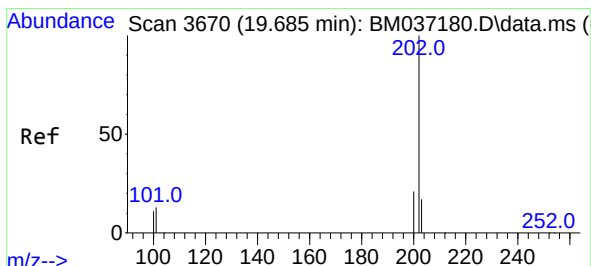
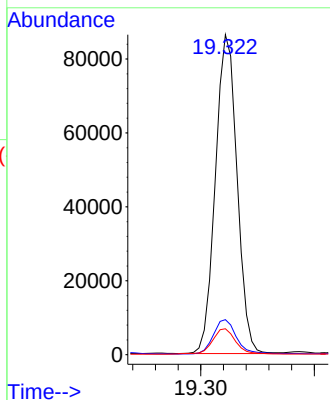
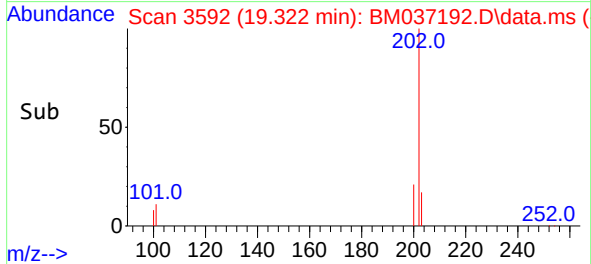
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



Tgt Ion:202 Resp: 11424  
Ion Ratio Lower Upper  
202 100  
101 11.0 8.9 13.3  
100 8.1 6.9 10.3

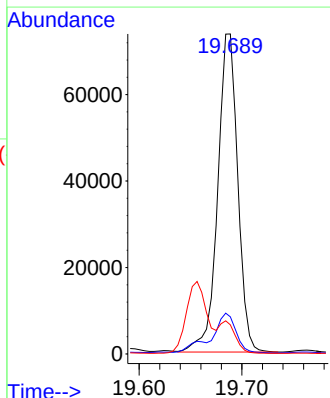
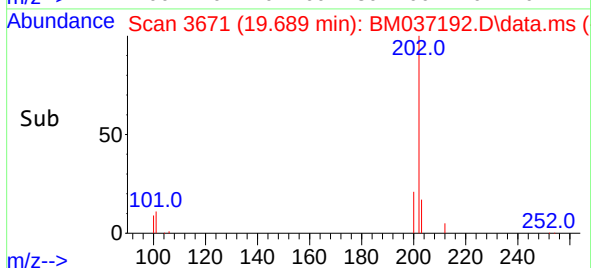
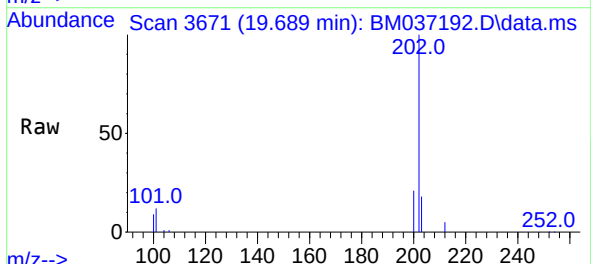
Manual Integrations  
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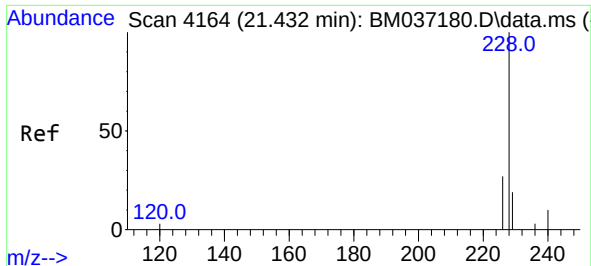
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#20  
Pyrene  
Concen: 1.435 ng/u1  
RT: 19.689 min Scan# 3671  
Delta R.T. 0.004 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

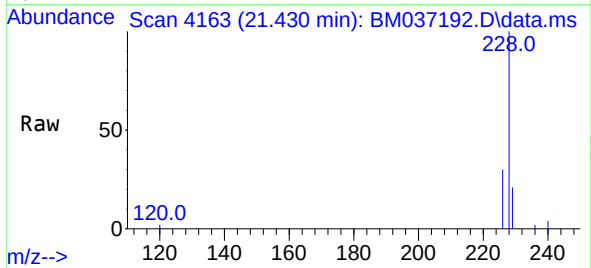
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Ion Ratio Lower Upper  
202 100  
101 11.6 9.7 14.5  
100 9.1 7.8 11.8





#21  
Benzo(a)anthracene  
Concen: 1.041 ng/u1  
RT: 21.430 min Scan# 4163  
Delta R.T. -0.002 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

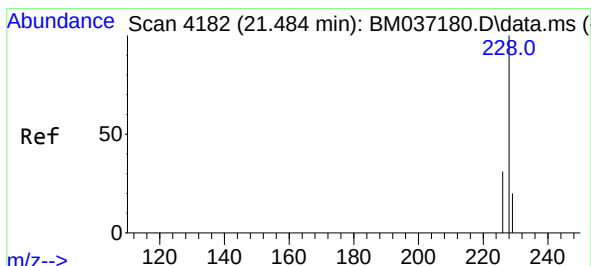
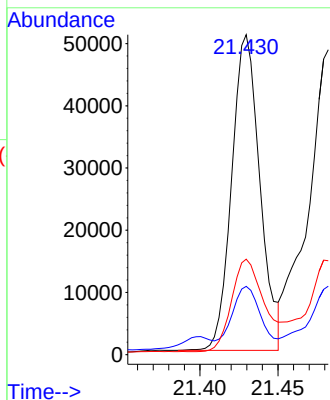
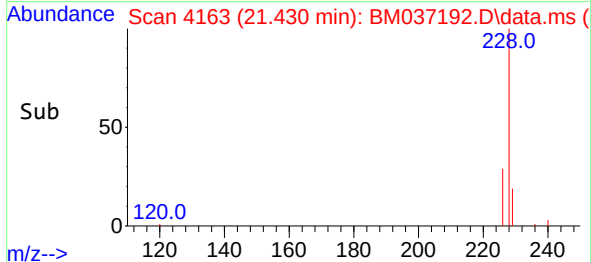
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



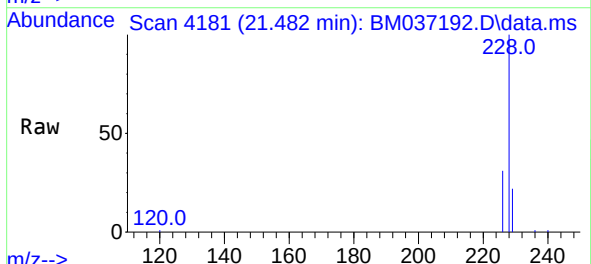
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228 100  
229 21.3 15.8 23.6  
226 29.9 21.8 32.8

Manual Integrations  
APPROVED

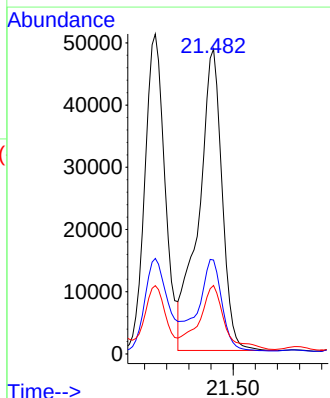
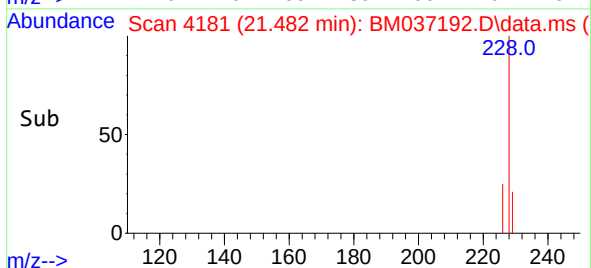
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



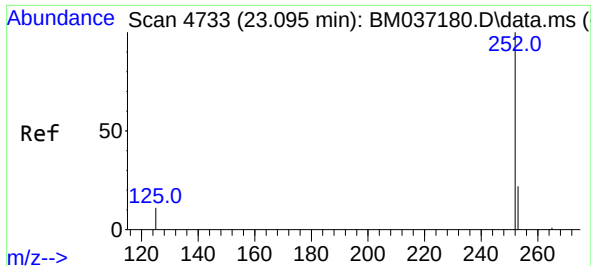
#22  
Chrysene  
Concen: 1.005 ng/u1  
RT: 21.482 min Scan# 4181  
Delta R.T. -0.002 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



Tgt Ion:228 Resp: 71064  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.8 37.2  
229 22.5 16.0 24.0

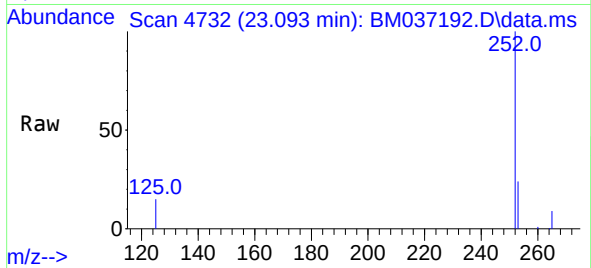






#24  
Benzo(b)fluoranthene  
Concen: 1.352 ng/ul  
RT: 23.093 min Scan# 4733  
Delta R.T. -0.002 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

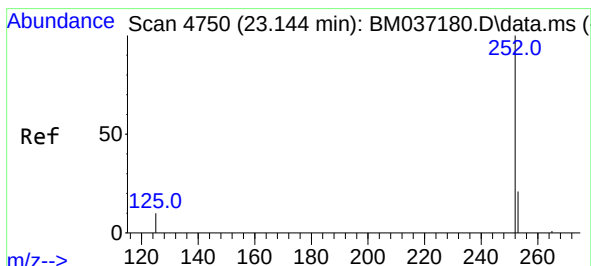
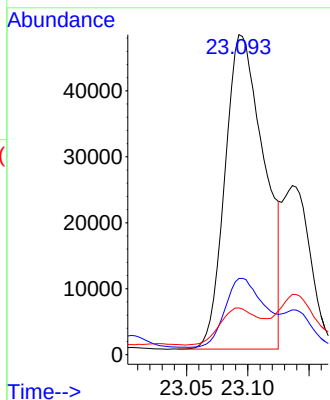
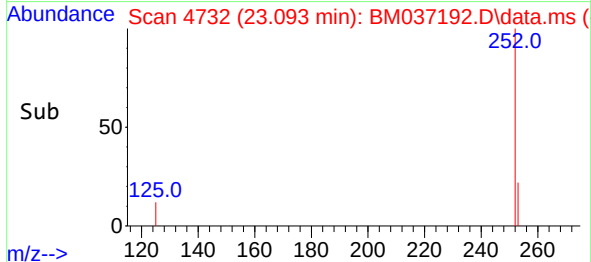
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



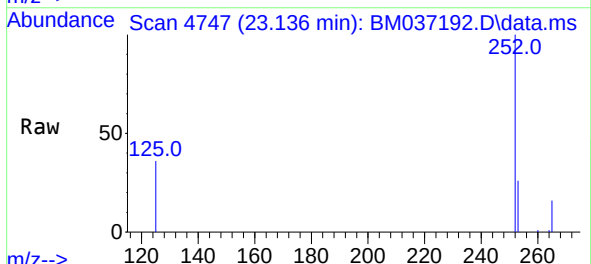
Tgt Ion:252 Resp: 106370  
Ion Ratio Lower Upper  
252 100  
253 23.8 0.0 50.6  
125 14.6 0.0 32.6

Manual Integrations  
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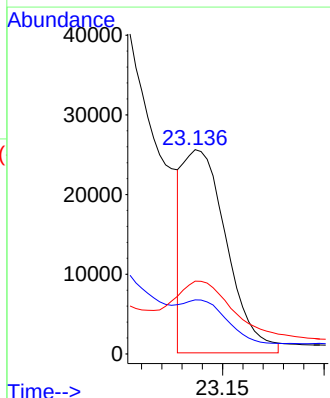
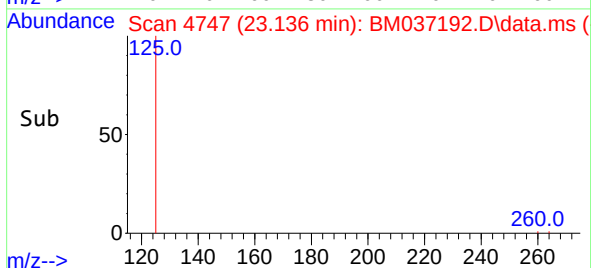
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

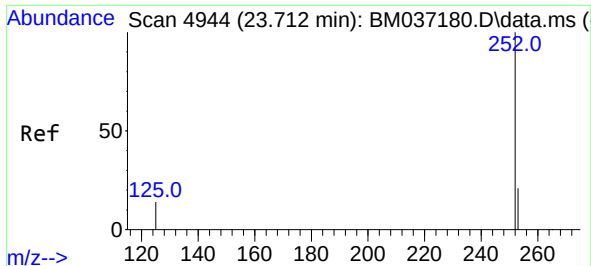


#25  
Benzo(k)fluoranthene  
Concen: 0.502 ng/ul m  
RT: 23.136 min Scan# 4747  
Delta R.T. -0.008 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



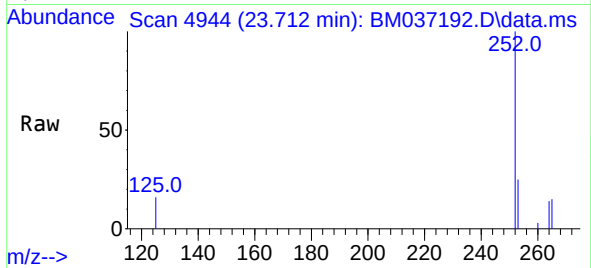
Tgt Ion:252 Resp: 38146  
Ion Ratio Lower Upper  
252 100  
253 26.4 20.6 30.8  
125 35.7 13.3 19.9#





#26  
Benzo(a)pyrene  
Concen: 1.002 ng/u1  
RT: 23.712 min Scan# 4944  
Delta R.T. 0.001 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

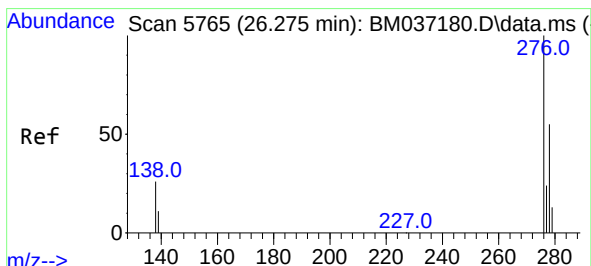
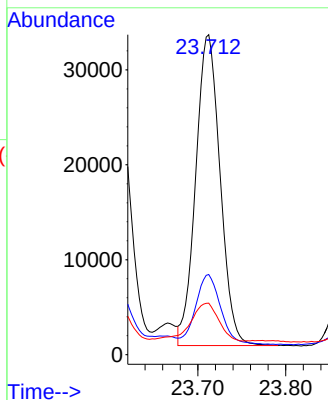
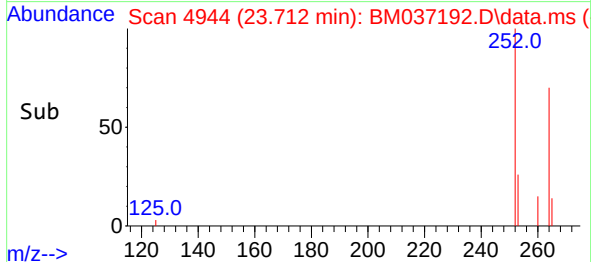
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



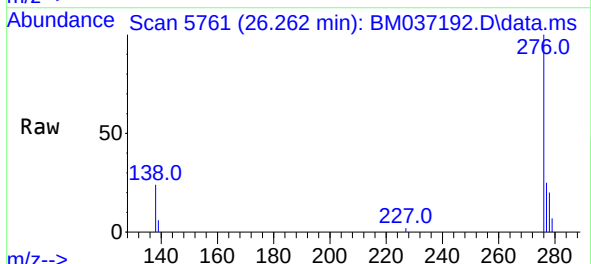
Tgt Ion:252 Resp: 63309  
Ion Ratio Lower Upper  
252 100  
253 25.0 22.1 33.1  
125 16.1 17.6 26.4

Manual Integrations  
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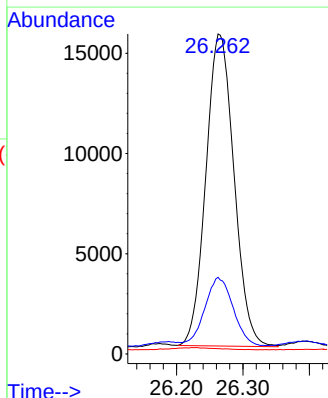
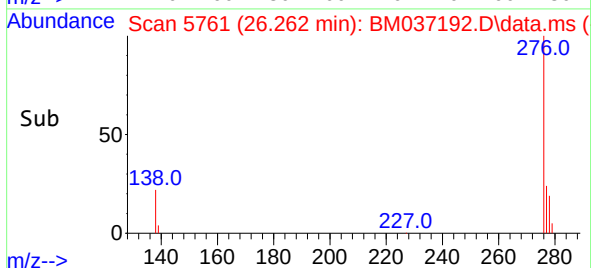
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

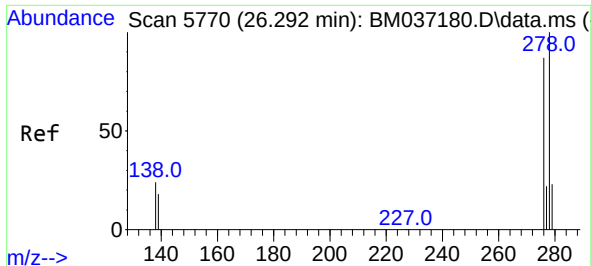


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.519 ng/u1  
RT: 26.262 min Scan# 5761  
Delta R.T. -0.013 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



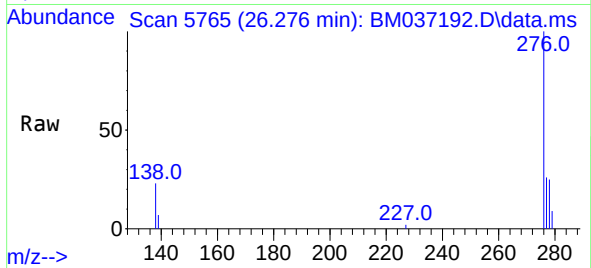
Tgt Ion:276 Resp: 45771  
Ion Ratio Lower Upper  
276 100  
138 22.2 21.4 32.0  
227 0.0 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.167 ng/ul  
RT: 26.276 min Scan# 51  
Delta R.T. -0.016 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38

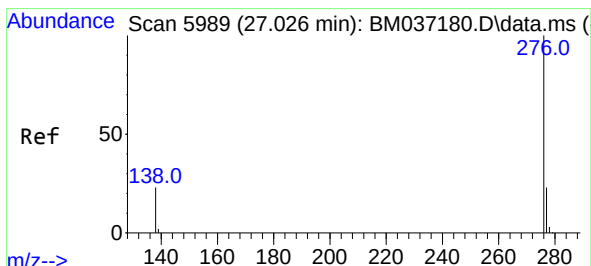
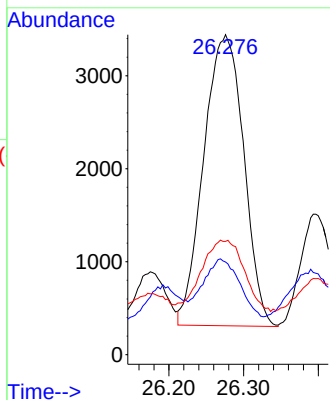
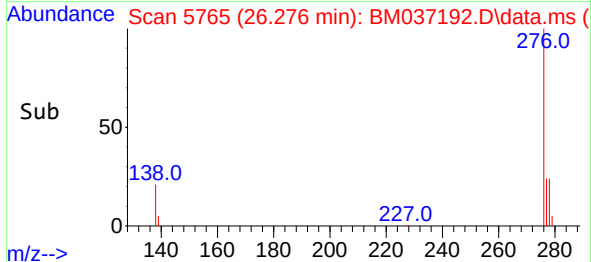
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ2



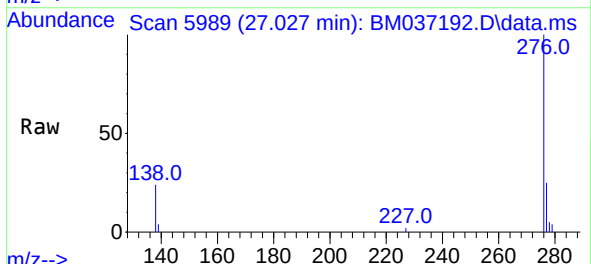
Tgt Ion:278 Resp: 1163  
Ion Ratio Lower Upper  
278 100  
139 28.9 16.3 24.5  
279 35.4 21.5 32.3

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.520 ng/ul  
RT: 27.027 min Scan# 5989  
Delta R.T. 0.001 min  
Lab File: BM037192.D  
Acq: 22 Oct 2022 06:38



Tgt Ion:276 Resp: 40364  
Ion Ratio Lower Upper  
276 100  
138 24.3 19.8 29.8  
277 24.9 20.1 30.1

