

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101322\  
 Data File : BM037088.D  
 Acq On : 15 Oct 2022 12:13  
 Operator : CG/JU  
 Sample : N5049-06DL 5X  
 Misc :  
 ALS Vial : 85 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ6DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/17/2022  
 Supervised By :mohammad ahmed 10/18/2022

Quant Time: Oct 17 00:55:25 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 : Sat Oct 15 04:13:53 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.930  | 152  | 7075     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.732 | 136  | 25404    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.557 | 164  | 13546    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.296 | 188  | 26048    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.468 | 240  | 17011    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.853 | 264  | 13711    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.340  | 96   | 6577     | 0.659 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.316 | 152  | 1988     | 0.052 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.317 | 212  | 3307     | 0.065 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.781 | 128  | 4693     | 0.065 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.387 | 142  | 3821     | 0.086 | ng/ul  | 93       |
| 8) 1-Methylnaphthalene      | 12.607 | 142  | 3049     | 0.068 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.279 | 152  | 2624     | 0.047 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.334 | 178  | 12297    | 0.148 | ng/ul  | 98       |
| 16) Anthracene              | 17.427 | 178  | 2819     | 0.041 | ng/ul# | 89       |
| 19) Fluoranthene            | 19.345 | 202  | 25141    | 0.372 | ng/ul  | 98       |
| 20) Pyrene                  | 19.707 | 202  | 22487m   | 0.319 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.450 | 228  | 9831     | 0.160 | ng/ul  | 96       |
| 22) Chrysene                | 21.503 | 228  | 11343    | 0.172 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.125 | 252  | 14522    | 0.237 | ng/ul  | 87       |
| 25) Benzo(k)fluoranthene    | 23.169 | 252  | 4539m    | 0.076 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.745 | 252  | 8500     | 0.171 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.323 | 276  | 6787     | 0.096 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.340 | 278  | 1661     | 0.029 | ng/ul# | 45       |
| 29) Benzo(g,h,i)perylene    | 27.087 | 276  | 5413     | 0.087 | ng/ul# | 89       |
| -----                       |        |      |          |       |        |          |

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

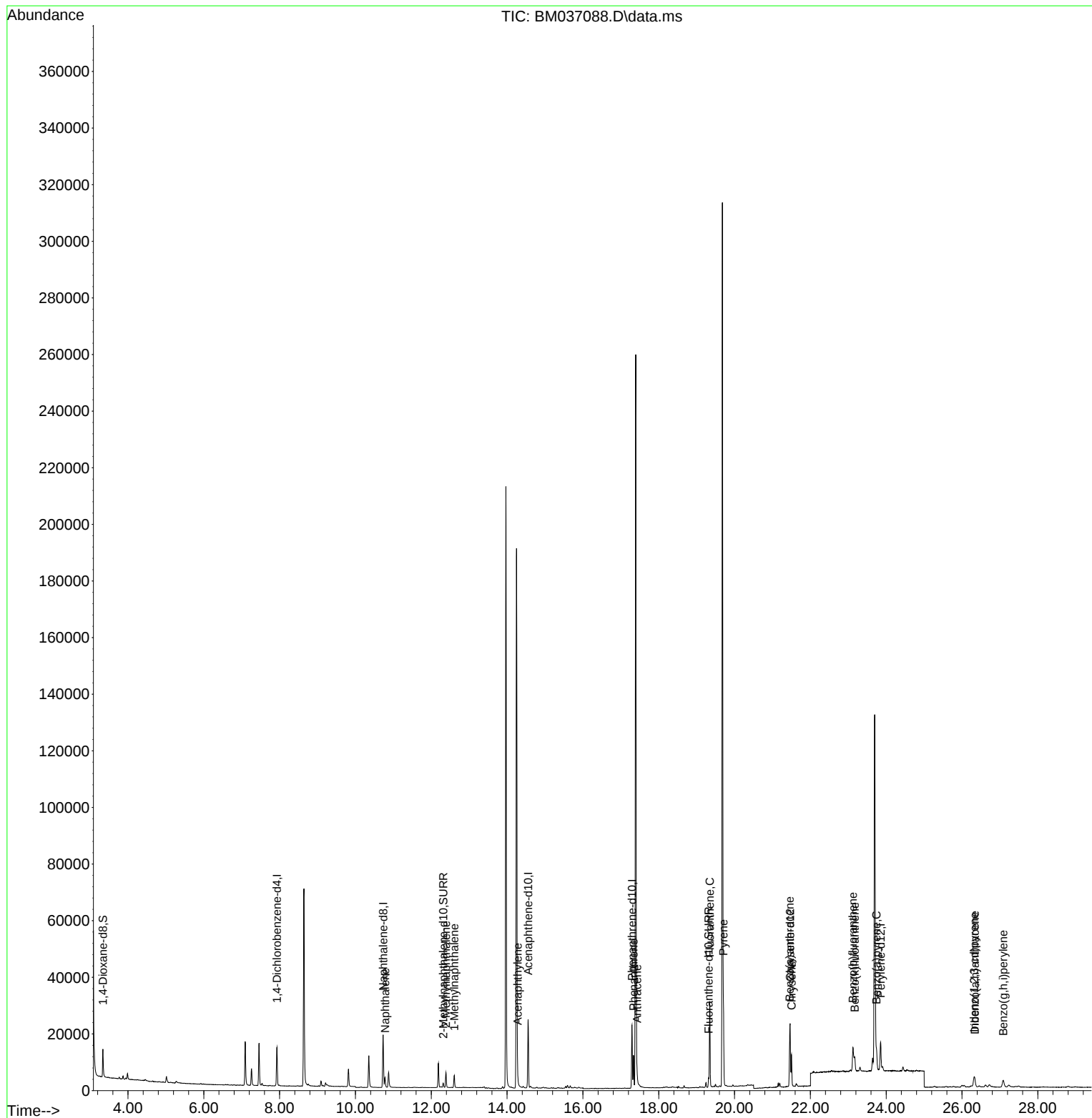
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101322\  
Data File : BM037088.D  
Acq On : 15 Oct 2022 12:13  
Operator : CG/JU  
Sample : N5049-06DL 5X  
Misc :  
ALS Vial : 85 Sample Multiplier: 1

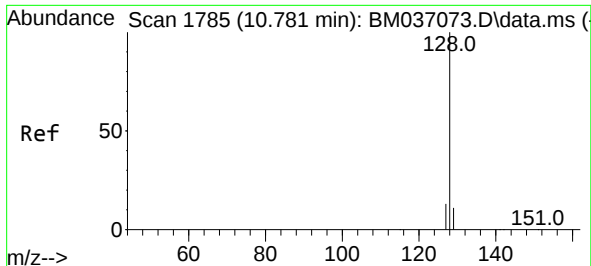
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

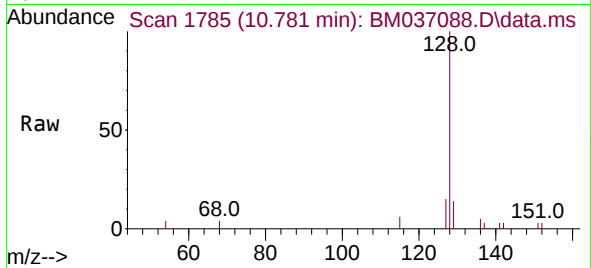
Quant Time: Oct 17 00:55:25 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 15 04:13:53 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.065 ng/ul  
RT: 10.781 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

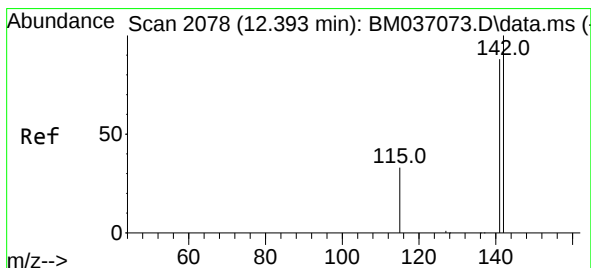
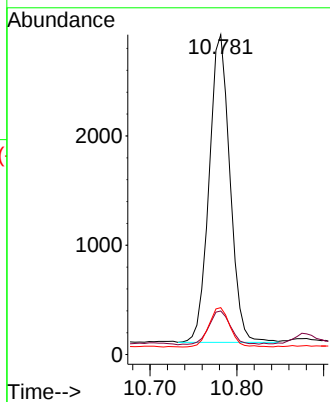
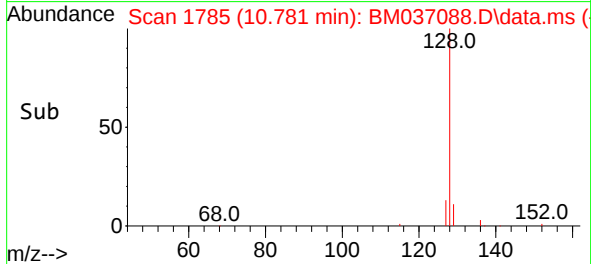
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



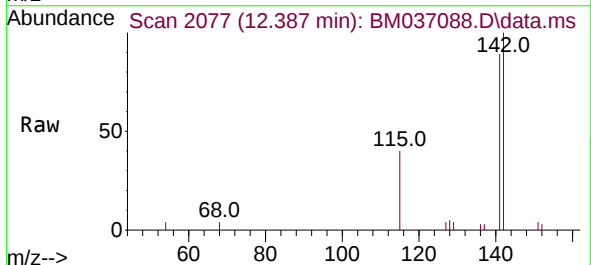
Tgt Ion:128 Resp: 4693  
Ion Ratio Lower Upper  
128 100  
129 13.6 10.2 15.2  
127 14.7 11.7 17.5

Manual Integrations  
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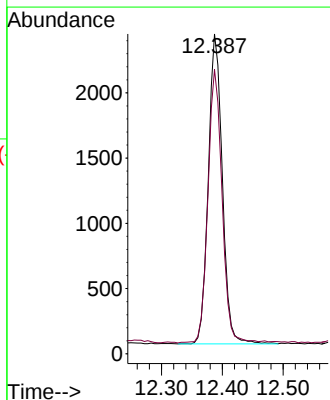
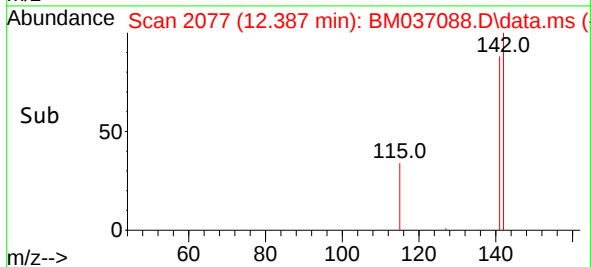
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

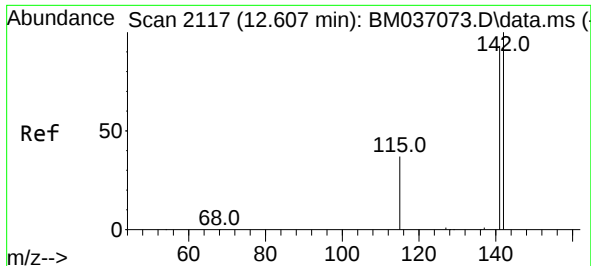


#7  
2-Methylnaphthalene  
Concen: 0.086 ng/ul  
RT: 12.387 min Scan# 2077  
Delta R.T. -0.005 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13



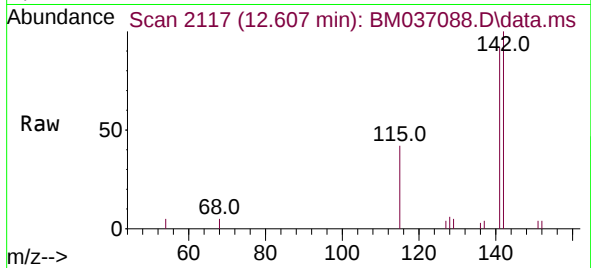
Tgt Ion:142 Resp: 3821  
Ion Ratio Lower Upper  
142 100  
141 89.6 77.4 116.0





#8  
1-Methylnaphthalene  
Concen: 0.068 ng/ul  
RT: 12.607 min Scan# 2117  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

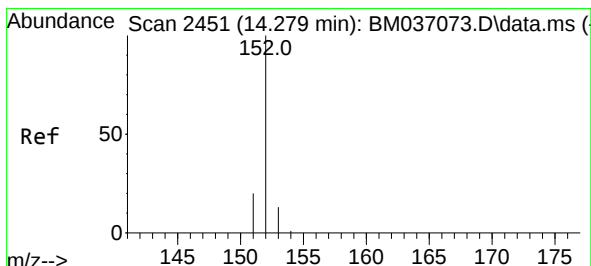
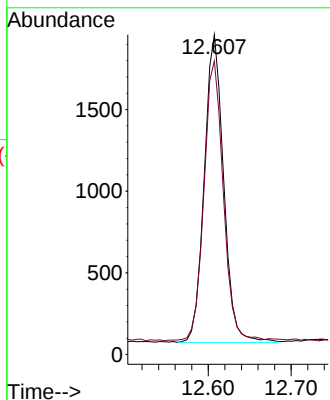
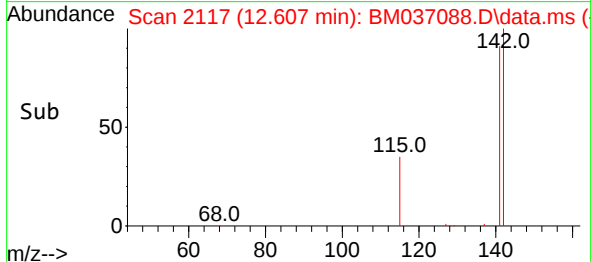
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



Tgt Ion:142 Resp: 3049  
Ion Ratio Lower Upper  
142 100  
141 91.2 74.1 111.1

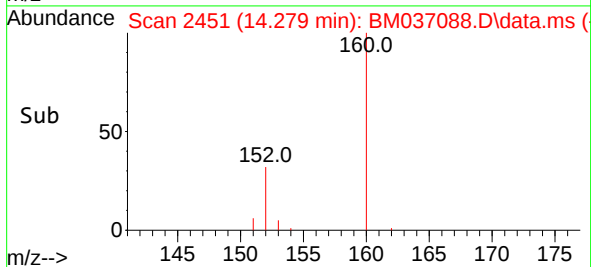
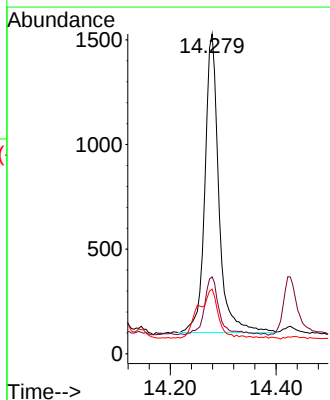
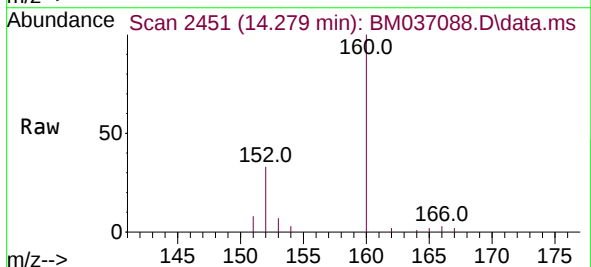
Manual Integrations  
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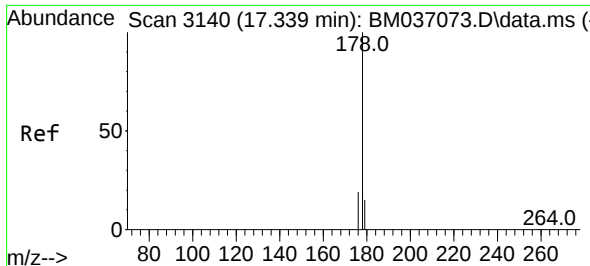
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#10  
Acenaphthylene  
Concen: 0.047 ng/ul  
RT: 14.279 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

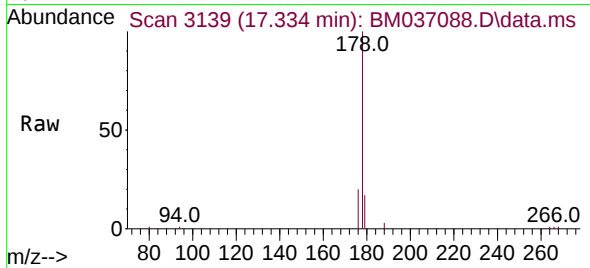
Tgt Ion:152 Resp: 2624  
Ion Ratio Lower Upper  
152 100  
151 24.1 16.6 24.8  
153 20.2 11.4 17.0#





#15  
Phenanthrene  
Concen: 0.148 ng/ul  
RT: 17.334 min Scan# 3139  
Delta R.T. -0.004 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

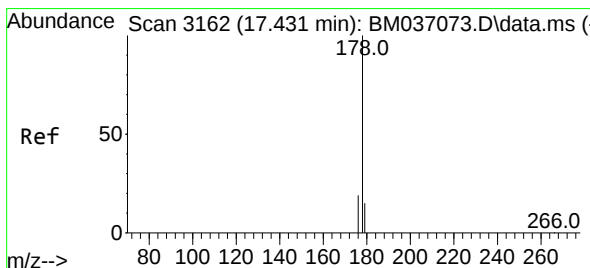
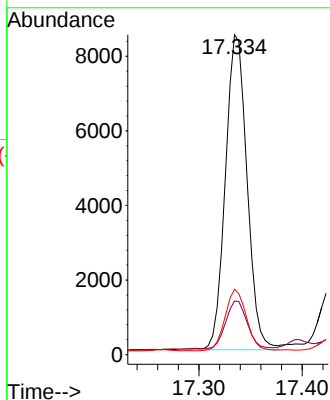
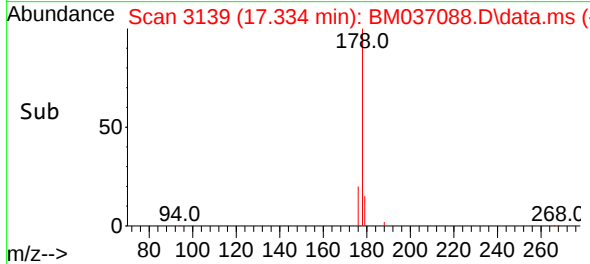
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



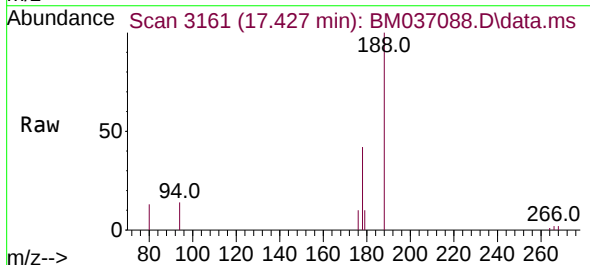
Tgt Ion:178 Resp: 12297  
Ion Ratio Lower Upper  
178 100  
179 16.8 13.0 19.6  
176 20.4 15.6 23.4

Manual Integrations  
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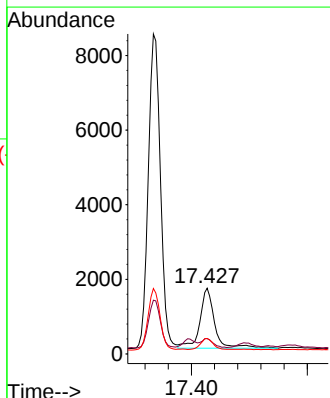
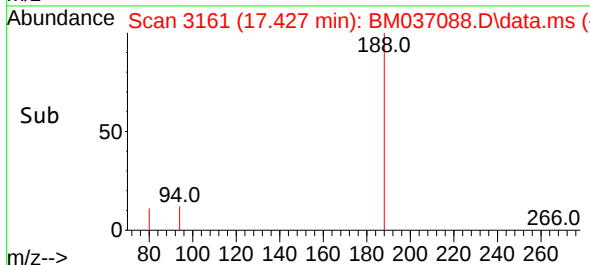
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

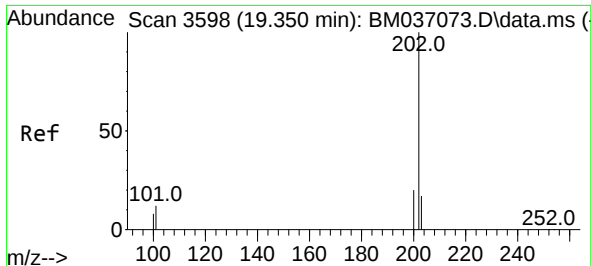


#16  
Anthracene  
Concen: 0.041 ng/ul  
RT: 17.427 min Scan# 3161  
Delta R.T. -0.004 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13



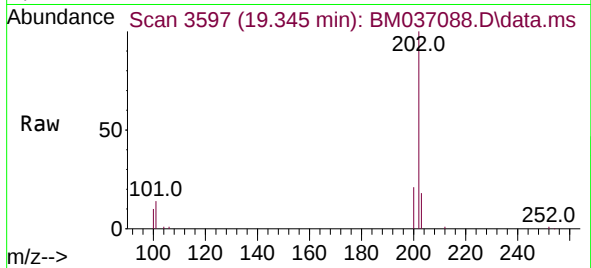
Tgt Ion:178 Resp: 2819  
Ion Ratio Lower Upper  
178 100  
179 23.4 13.6 20.4#  
176 23.4 15.6 23.4#





#19  
Fluoranthene  
Concen: 0.372 ng/ul  
RT: 19.345 min Scan# 3597  
Delta R.T. -0.005 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

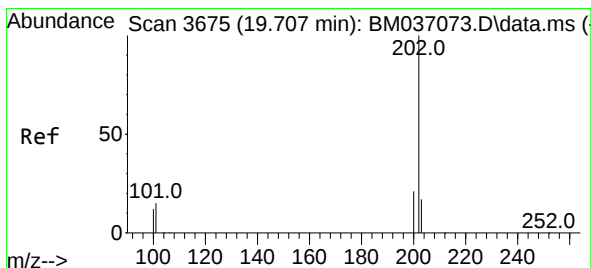
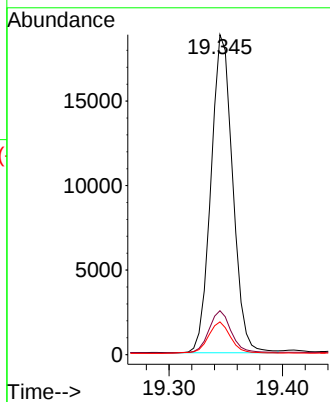
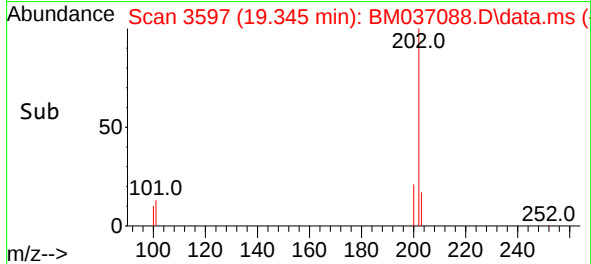
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



Tgt Ion:202 Resp: 2514  
Ion Ratio Lower Upper  
202 100  
101 13.7 10.1 15.1  
100 10.3 7.9 11.9

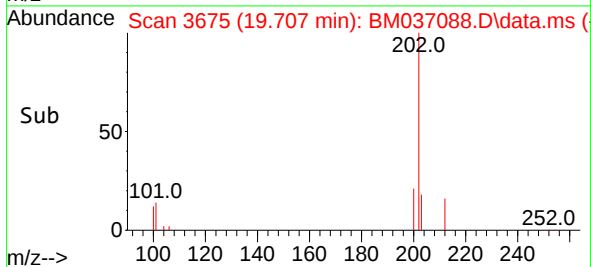
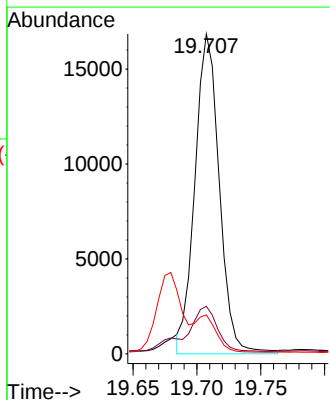
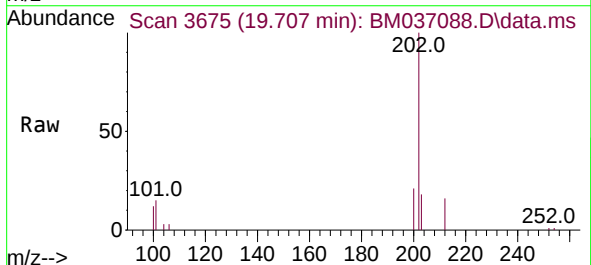
Manual Integrations  
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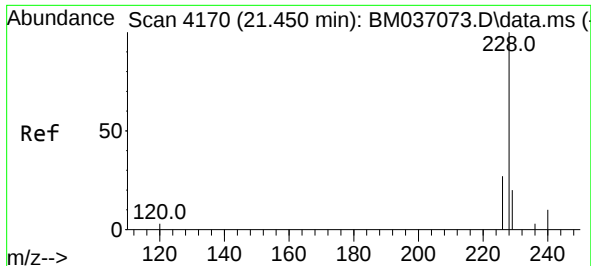
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#20  
Pyrene  
Concen: 0.319 ng/ul m  
RT: 19.707 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

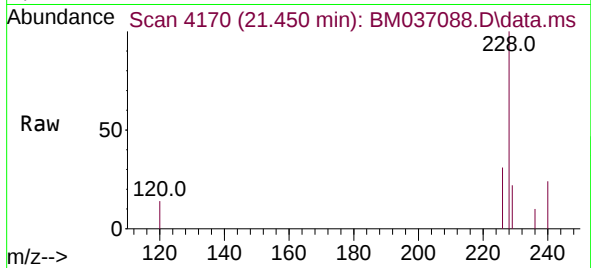
Tgt Ion:202 Resp: 22487  
Ion Ratio Lower Upper  
202 100  
101 14.9 12.0 18.0  
100 12.2 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 0.160 ng/ul  
RT: 21.450 min Scan# 4170  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

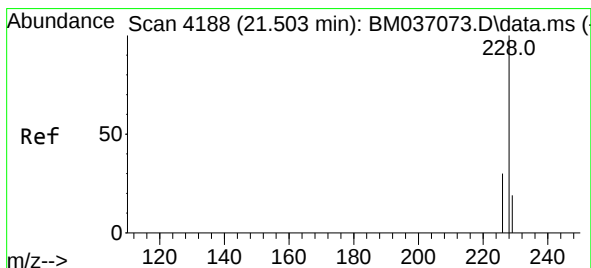
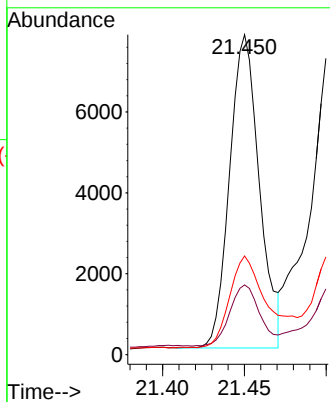
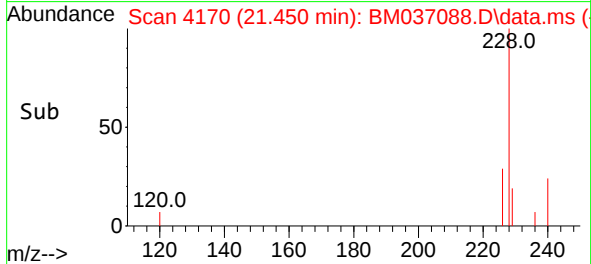
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



Tgt Ion:228 Resp: 9831  
Ion Ratio Lower Upper  
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229 21.8 16.2 24.2  
226 30.8 22.5 33.7

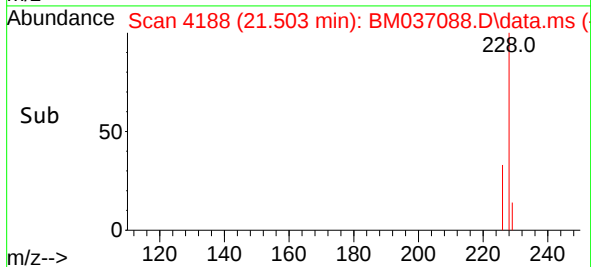
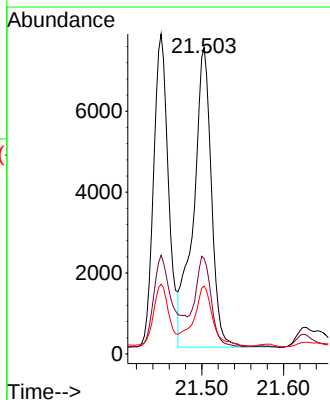
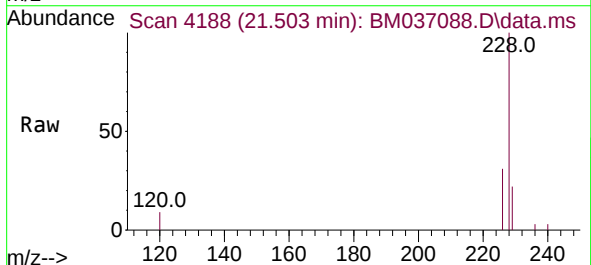
Manual Integrations  
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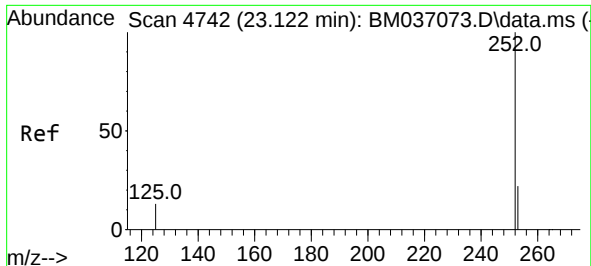
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#22  
Chrysene  
Concen: 0.172 ng/ul  
RT: 21.503 min Scan# 4188  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

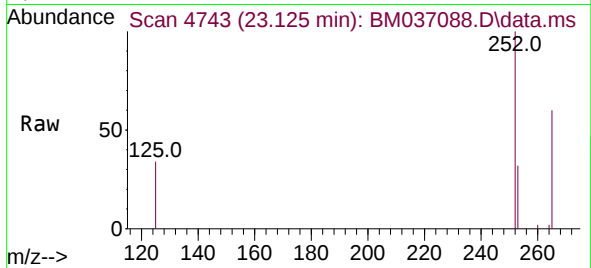
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Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 37.0  
229 22.1 16.4 24.6





#24  
Benzo(b)fluoranthene  
Concen: 0.237 ng/ul  
RT: 23.125 min Scan# 4742  
Delta R.T. 0.003 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

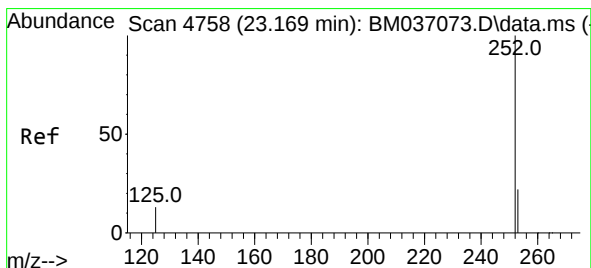
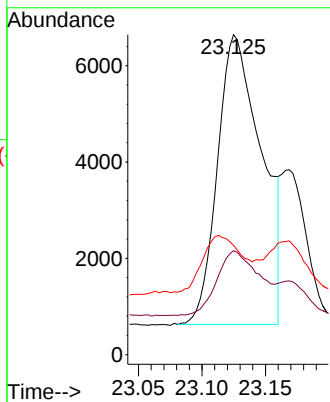
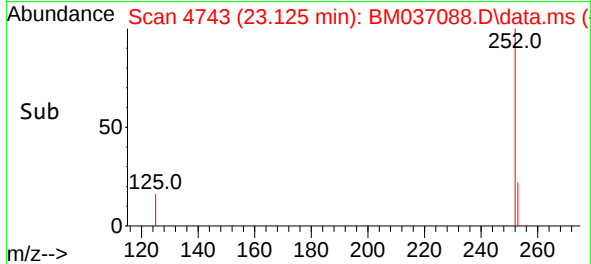
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ6DL



Tgt Ion:252 Resp: 14522  
Ion Ratio Lower Upper  
252 100  
253 32.5 0.0 61.4  
125 34.1 0.0 42.6

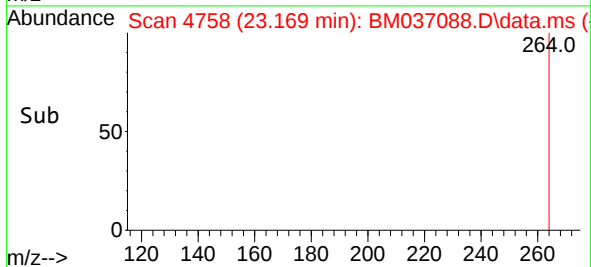
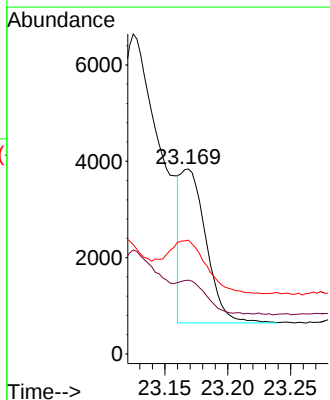
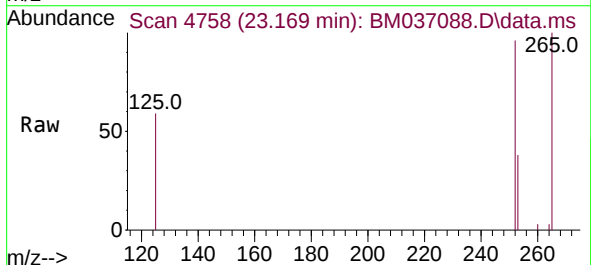
Manual Integrations  
APPROVED

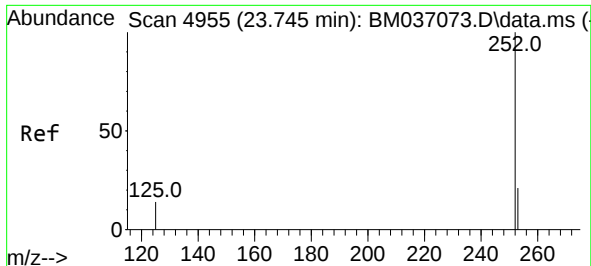
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.076 ng/ul m  
RT: 23.169 min Scan# 4758  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

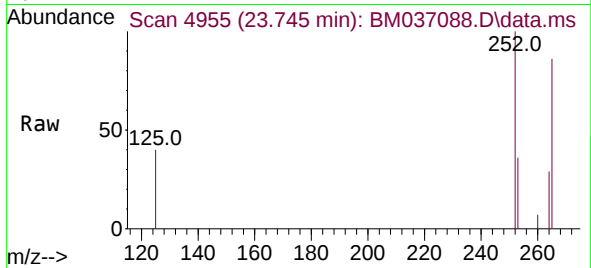
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Ion Ratio Lower Upper  
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253 39.8 25.2 37.8#  
125 61.5 18.3 27.5#





#26  
Benzo(a)pyrene  
Concen: 0.171 ng/ul  
RT: 23.745 min Scan# 4955  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

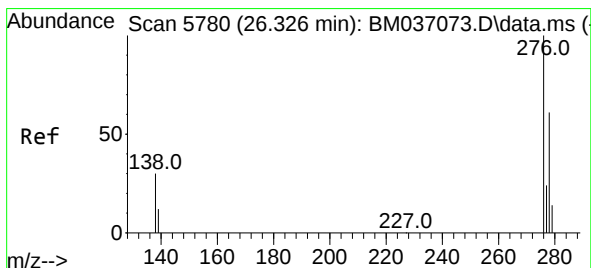
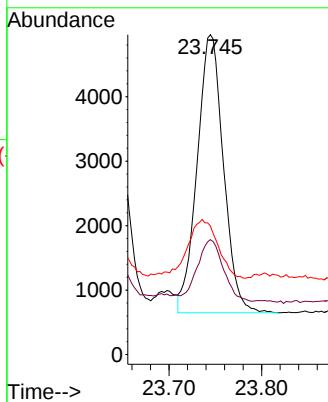
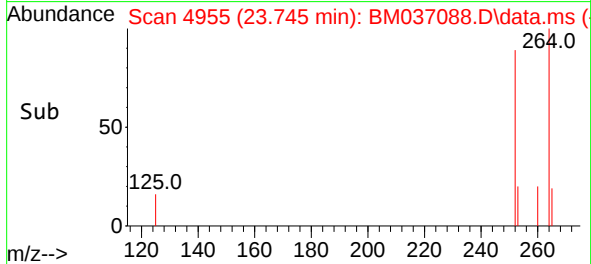
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BNA\_M  
ClientSampleId :  
C0BJ6DL



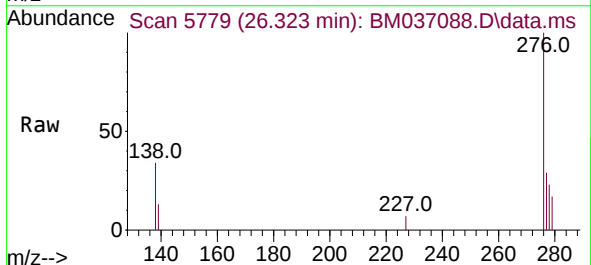
Tgt Ion:252 Resp: 8500  
Ion Ratio Lower Upper  
252 100  
253 35.9 29.7 44.5  
125 40.2 23.6 35.4

Manual Integrations  
APPROVED

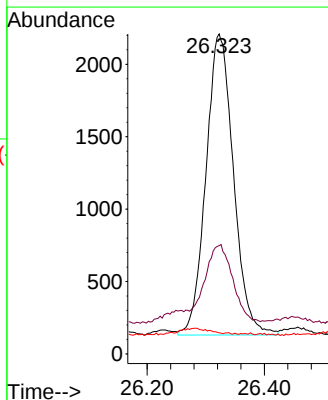
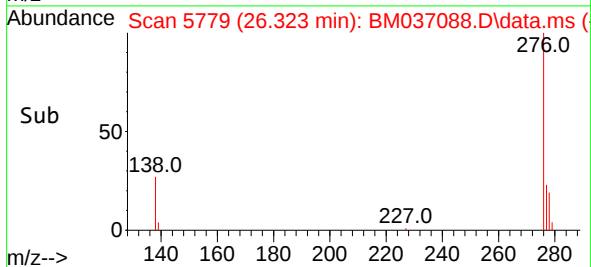
Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022

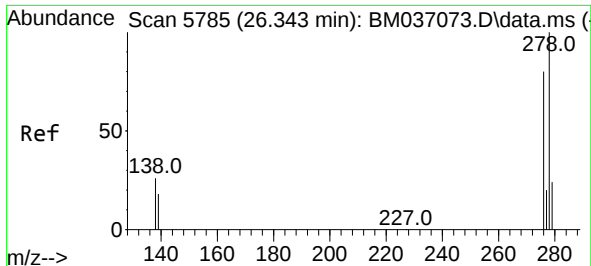


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.096 ng/ul  
RT: 26.323 min Scan# 5779  
Delta R.T. -0.003 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13



Tgt Ion:276 Resp: 6787  
Ion Ratio Lower Upper  
276 100  
138 25.9 23.9 35.9  
227 0.3 0.1 0.1





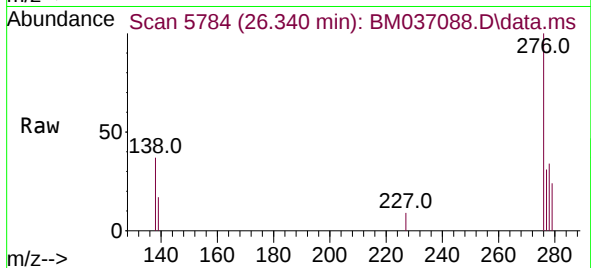
#28  
Dibenzo(a,h)anthracene  
Concen: 0.029 ng/ul  
RT: 26.340 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13

Instrument :

BNA\_M

ClientSampleId :

C0BJ6DL

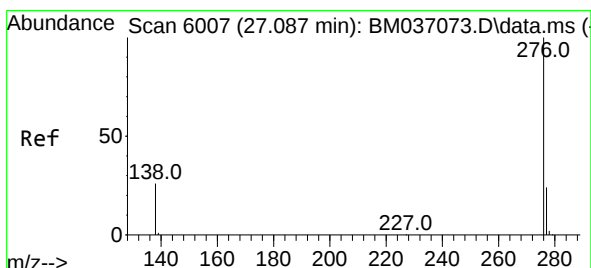
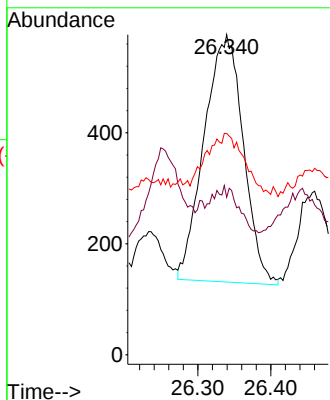
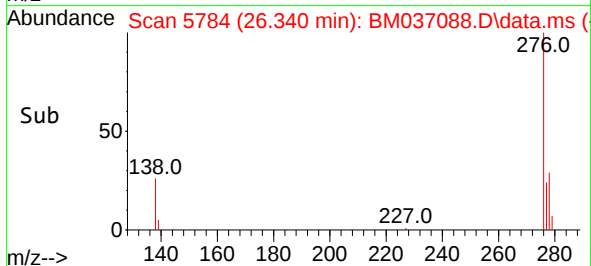


Tgt Ion:278 Resp: 166  
Ion Ratio Lower Upper  
278 100  
139 49.2 19.8 29.6  
279 69.2 27.7 41.5

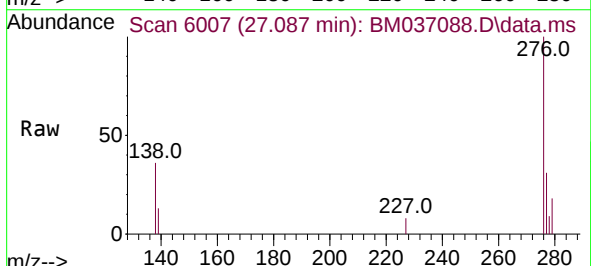
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/17/2022  
Supervised By :mohammad ahmed 10/18/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.087 ng/ul  
RT: 27.087 min Scan# 6007  
Delta R.T. 0.000 min  
Lab File: BM037088.D  
Acq: 15 Oct 2022 12:13



Tgt Ion:276 Resp: 5413  
Ion Ratio Lower Upper  
276 100  
138 36.5 23.4 35.0  
277 30.7 21.0 31.4

