

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
 Data File : BM049082.D  
 Acq On : 19 Dec 2024 22:41  
 Operator : RC/JU  
 Sample : P5226-09  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2AP7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 19 23:26:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 18 15:33:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.560  | 152  | 6522     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.325 | 136  | 19461    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.195 | 164  | 10440    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.946 | 188  | 22224m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.146 | 240  | 16819m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.303 | 264  | 16040m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96   | 20895    | 2.778 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152  | 4615     | 0.176 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.982 | 212  | 9489     | 0.199 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 10) Acenaphthylene          | 13.913 | 152  | 8514     | 0.197 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.984 | 178  | 1200m    | 0.021 | ng/ul  |          |
| 16) Anthracene              | 17.077 | 178  | 1967m    | 0.037 | ng/ul  |          |
| 19) Fluoranthene            | 19.010 | 202  | 10332    | 0.170 | ng/ul  | 97       |
| 20) Pyrene                  | 19.373 | 202  | 13222m   | 0.204 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.129 | 228  | 10116m   | 0.173 | ng/ul  |          |
| 22) Chrysene                | 21.181 | 228  | 11326    | 0.180 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.663 | 252  | 24784m   | 0.484 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.701 | 252  | 9196m    | 0.164 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.209 | 252  | 17025    | 0.346 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.441 | 276  | 15615    | 0.225 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.454 | 278  | 3201     | 0.059 | ng/ul# | 70       |
| 29) Benzo(g,h,i)perylene    | 26.091 | 276  | 16166    | 0.289 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

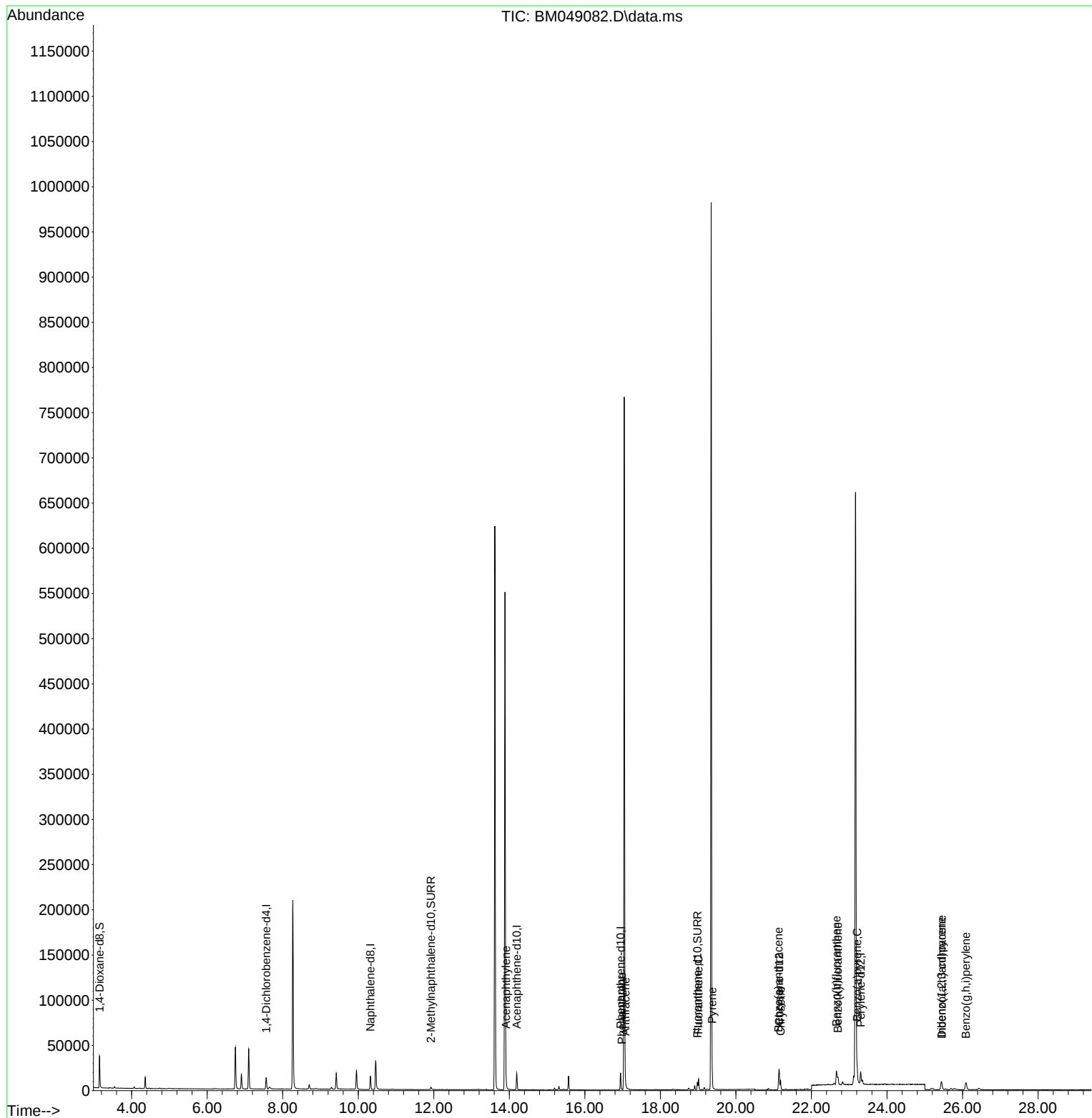
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049082.D  
Acq On : 19 Dec 2024 22:41  
Operator : RC/JU  
Sample : P5226-09  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

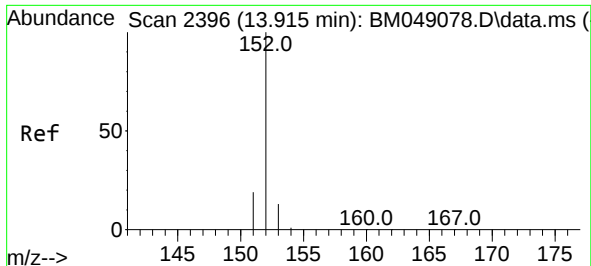
Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
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Supervised By :mohammad ahmed 12/26/2024

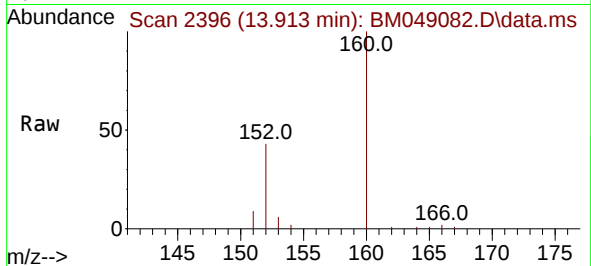
Quant Time: Dec 19 23:26:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.197 ng/ul  
RT: 13.913 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

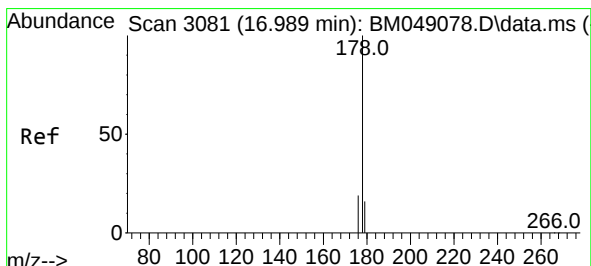
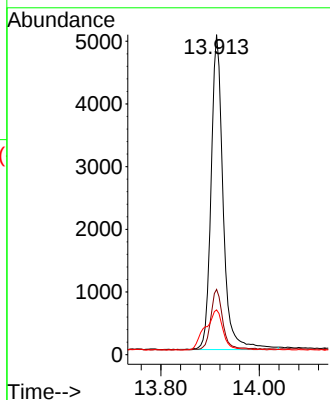
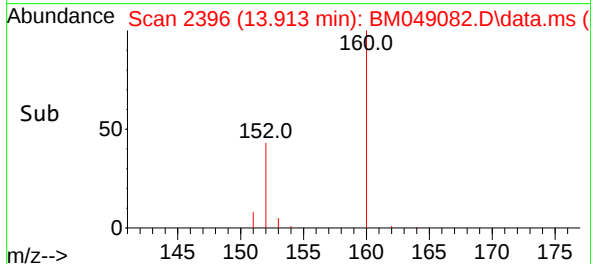
Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7



Tgt Ion:152 Resp: 8514  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.0 24.0  
153 14.0 11.0 16.6

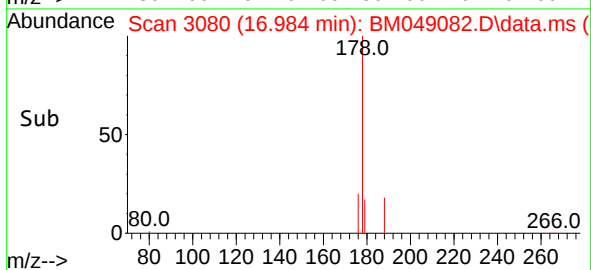
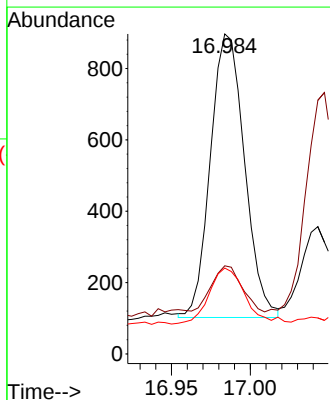
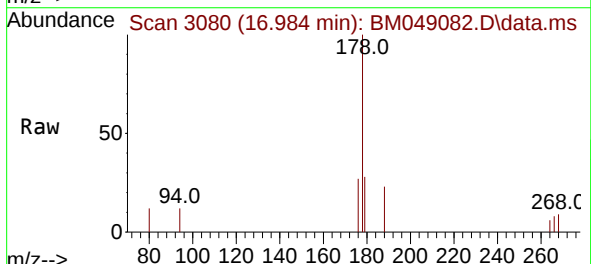
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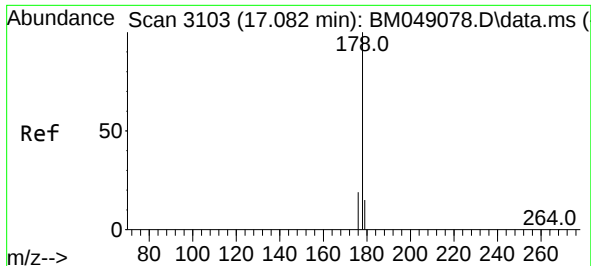
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



#15  
Phenanthrene  
Concen: 0.021 ng/ul m  
RT: 16.984 min Scan# 3080  
Delta R.T. -0.008 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

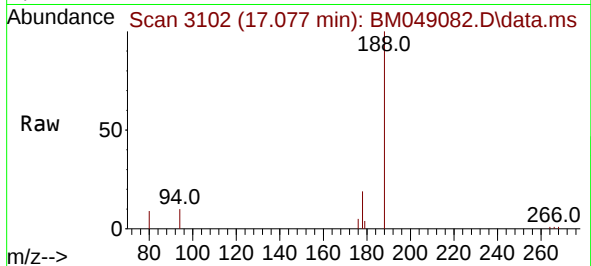
Tgt Ion:178 Resp: 1200  
Ion Ratio Lower Upper  
178 100  
179 27.5 13.0 19.4#  
176 26.9 16.2 24.2#





#16  
Anthracene  
Concen: 0.037 ng/ul m  
RT: 17.077 min Scan# 3102  
Delta R.T. -0.008 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

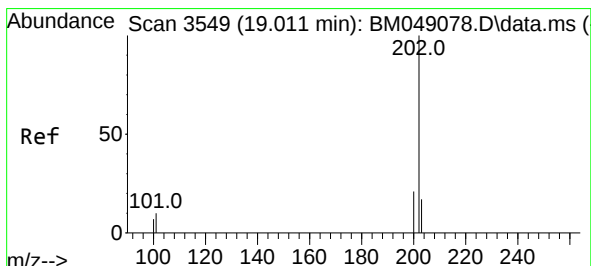
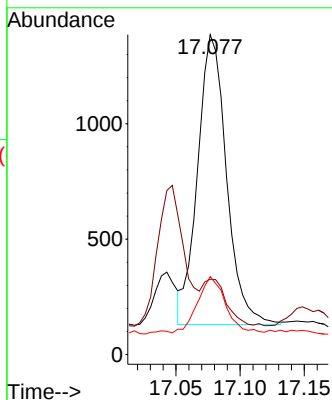
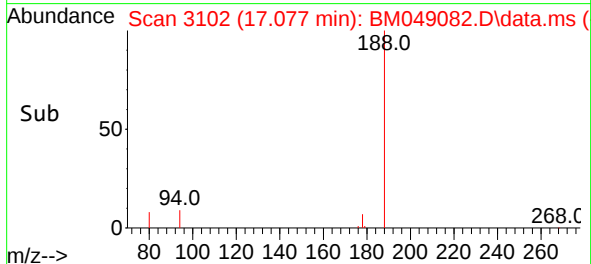
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:178 Resp: 196  
Ion Ratio Lower Upper  
178 100  
179 23.6 12.9 19.3  
176 24.4 15.3 22.9

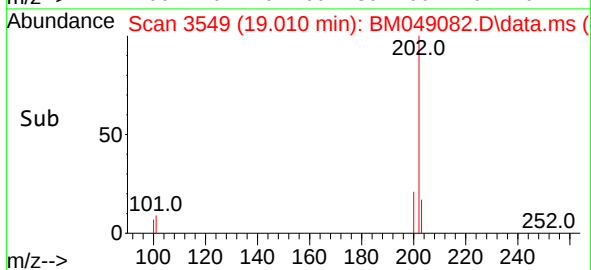
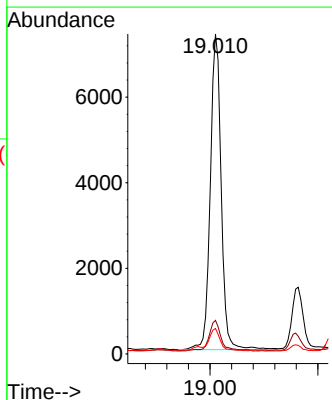
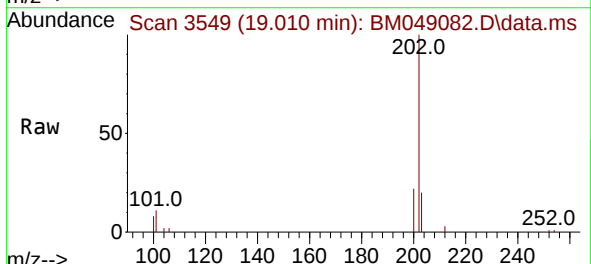
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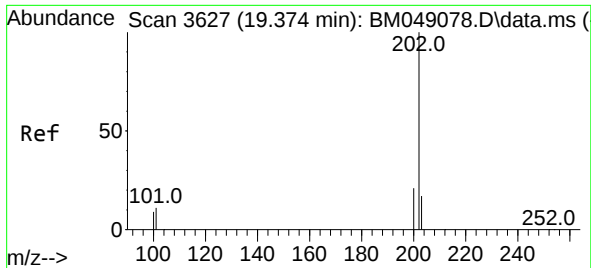
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



#19  
Fluoranthene  
Concen: 0.170 ng/ul  
RT: 19.010 min Scan# 3549  
Delta R.T. -0.005 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

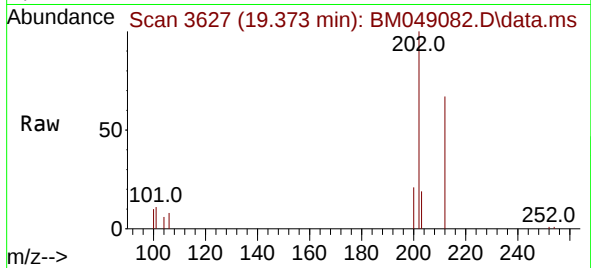
Tgt Ion:202 Resp: 10332  
Ion Ratio Lower Upper  
202 100  
101 10.5 7.6 11.4  
100 7.9 5.5 8.3





#20  
Pyrene  
Concen: 0.204 ng/ul m  
RT: 19.373 min Scan# 3627  
Delta R.T. -0.005 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

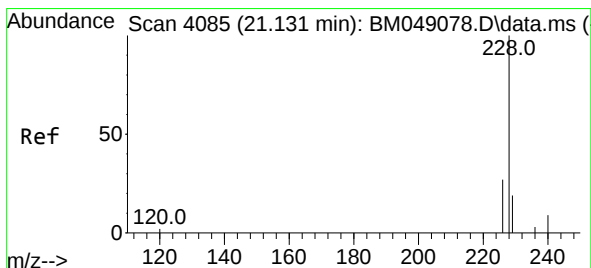
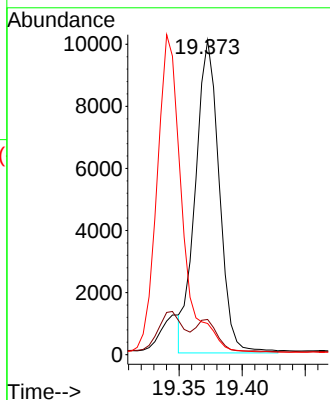
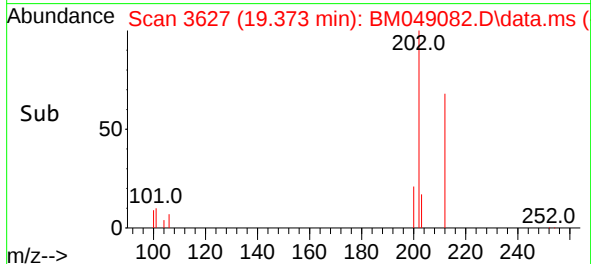
Instrument :  
BNA\_M  
ClientSampleId :  
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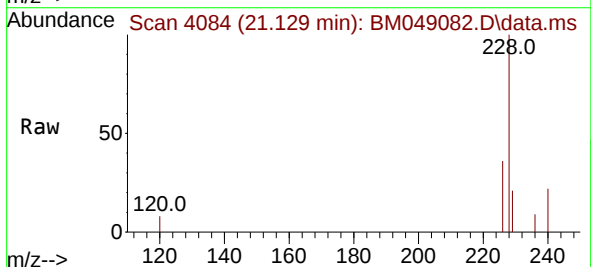
Tgt Ion:202 Resp: 1322  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.9 13.3  
100 9.9 6.9 10.3

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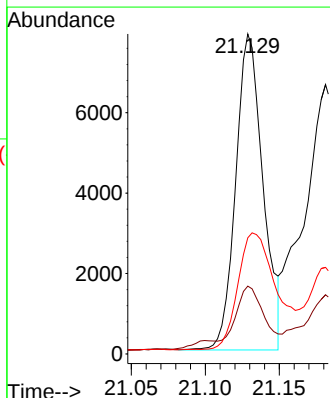
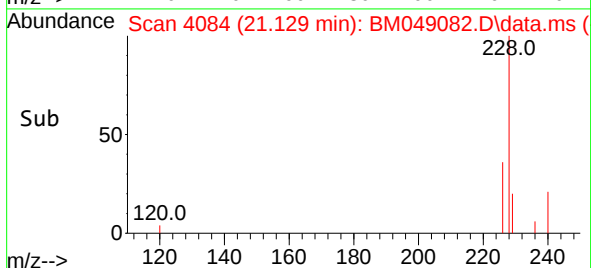
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024

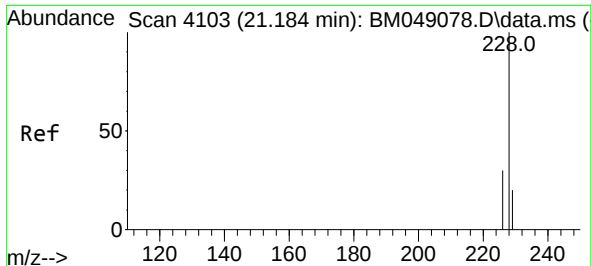


#21  
Benzo(a)anthracene  
Concen: 0.173 ng/ul m  
RT: 21.129 min Scan# 4084  
Delta R.T. -0.003 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41



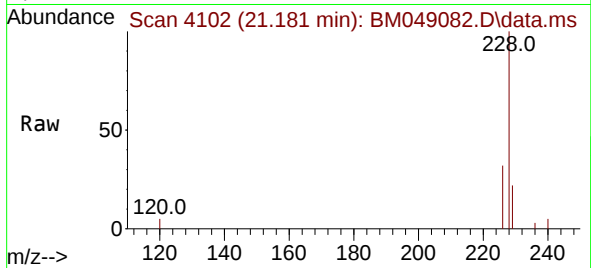
Tgt Ion:228 Resp: 10116  
Ion Ratio Lower Upper  
228 100  
229 21.2 15.9 23.9  
226 36.3 22.6 34.0#





#22  
Chrysene  
Concen: 0.180 ng/ul  
RT: 21.181 min Scan# 4103  
Delta R.T. -0.003 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

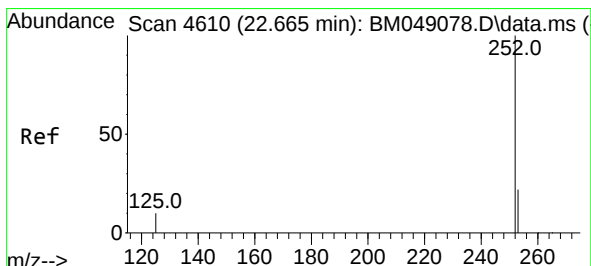
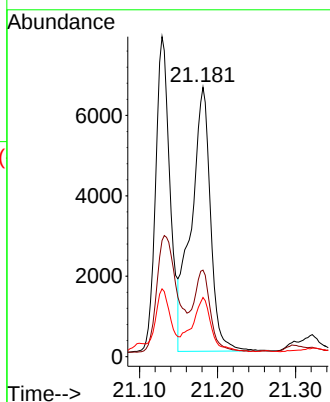
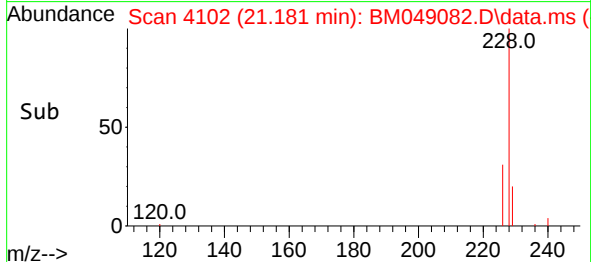
Instrument :  
BNA\_M  
ClientSampleId :  
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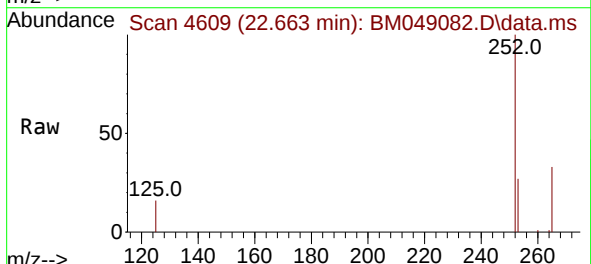
Tgt Ion:228 Resp: 11320  
Ion Ratio Lower Upper  
228 100  
226 32.1 24.1 36.1  
229 21.9 15.8 23.8

Manual Integrations  
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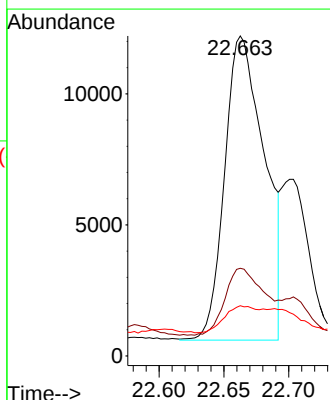
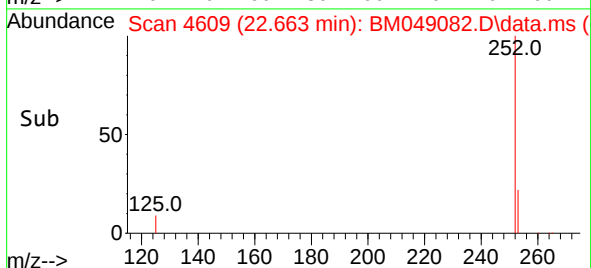
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024

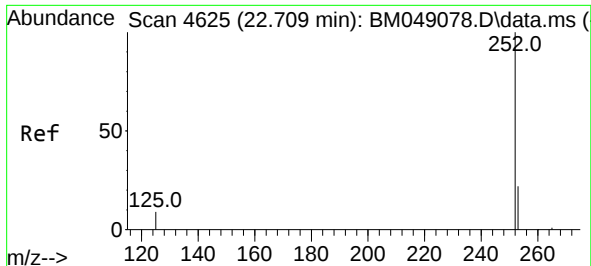


#24  
Benzo(b)fluoranthene  
Concen: 0.484 ng/ul m  
RT: 22.663 min Scan# 4609  
Delta R.T. 0.000 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41



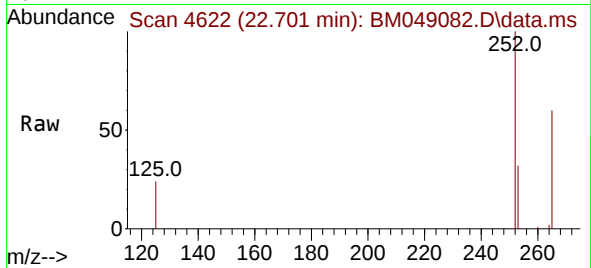
Tgt Ion:252 Resp: 24784  
Ion Ratio Lower Upper  
252 100  
253 27.4 0.0 52.6  
125 15.7 0.0 30.8





#25  
Benzo(k)fluoranthene  
Concen: 0.164 ng/ul m  
RT: 22.701 min Scan# 4622  
Delta R.T. -0.006 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

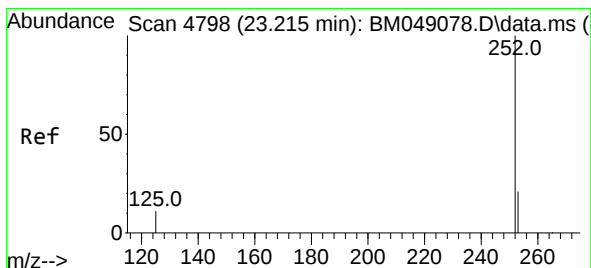
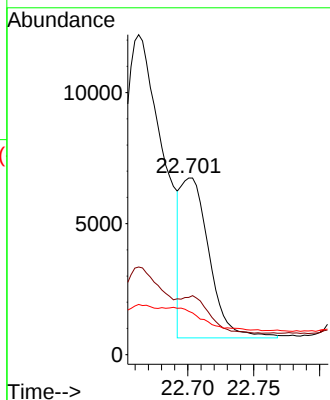
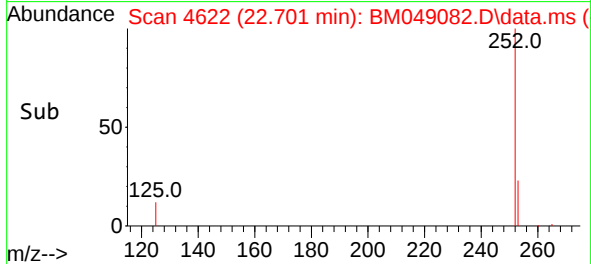
Instrument :  
BNA\_M  
ClientSampleId :  
E2AP7



Tgt Ion:252 Resp: 9190  
Ion Ratio Lower Upper  
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125 24.5 12.6 18.8

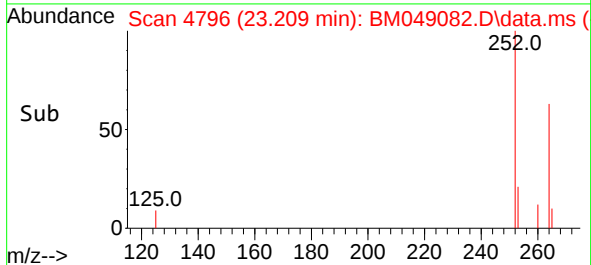
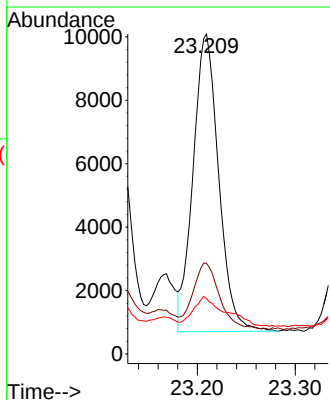
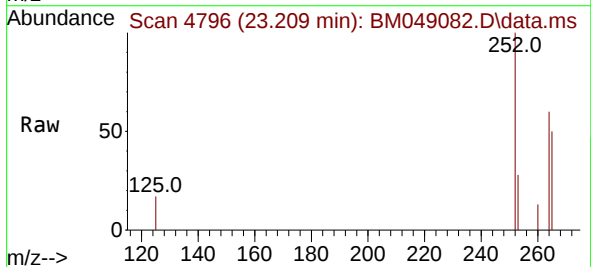
Manual Integrations  
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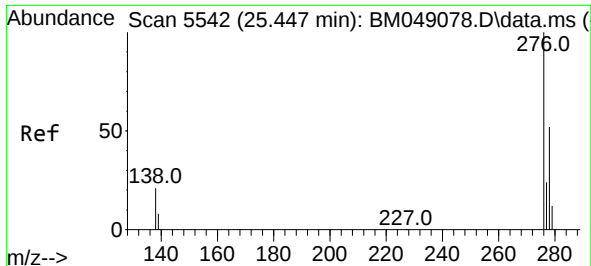
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



#26  
Benzo(a)pyrene  
Concen: 0.346 ng/ul  
RT: 23.209 min Scan# 4796  
Delta R.T. 0.000 min  
Lab File: BM049082.D  
Acq: 19 Dec 2024 22:41

Tgt Ion:252 Resp: 17025  
Ion Ratio Lower Upper  
252 100  
253 28.3 22.4 33.6  
125 17.3 14.8 22.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.225 ng/ul

RT: 25.441 min Scan# 5542

Delta R.T. -0.007 min

Lab File: BM049082.D

Acq: 19 Dec 2024 22:41

Instrument :

BNA\_M

ClientSampleId :

E2AP7

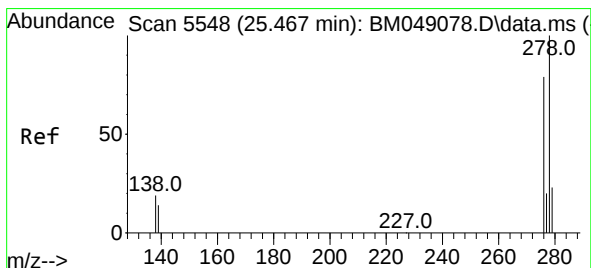
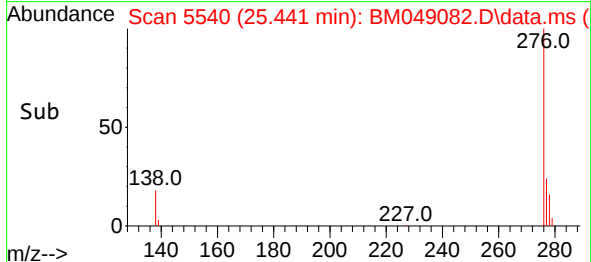
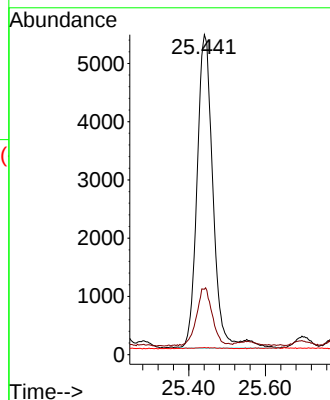
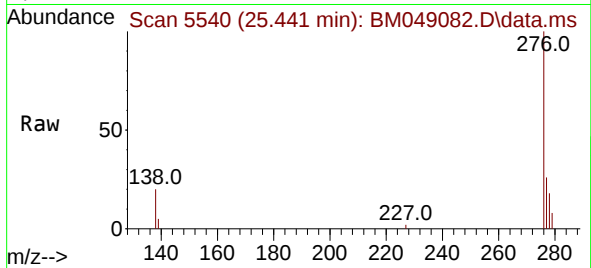
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|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 1561 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 18.1  | 17.4  | 26.2 |
| 227       | 0.4   | 0.2   | 0.2  |

Manual Integrations

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Supervised By :mohammad ahmed 12/26/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.059 ng/ul

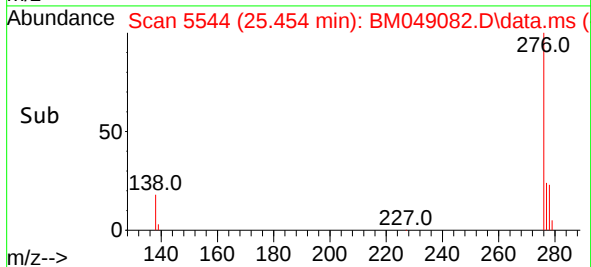
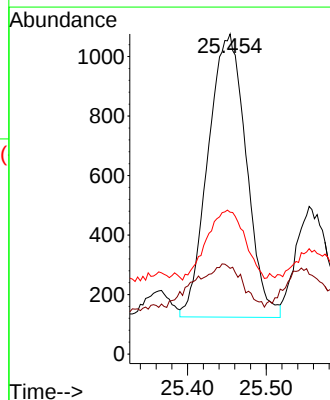
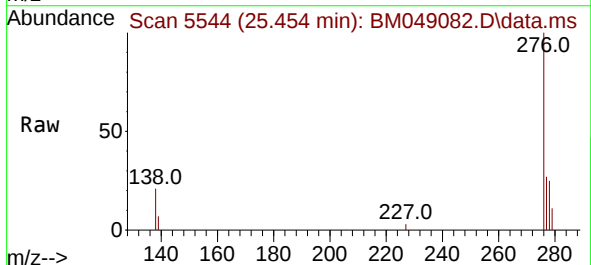
RT: 25.454 min Scan# 5544

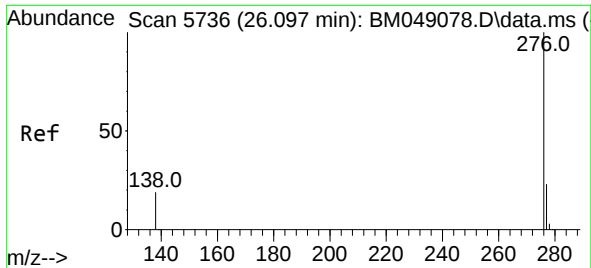
Delta R.T. -0.013 min

Lab File: BM049082.D

Acq: 19 Dec 2024 22:41

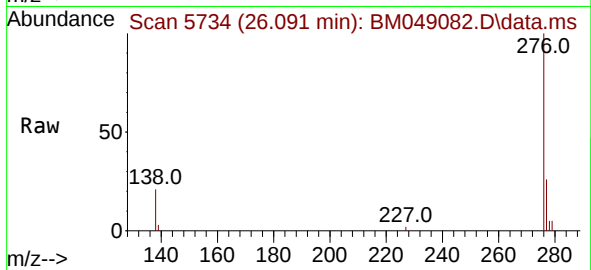
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 3201  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 26.8  | 13.5  | 20.3# |
| 279       | 44.3  | 21.5  | 32.3# |





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.289 ng/ul  
 RT: 26.091 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: BM049082.D  
 Acq: 19 Dec 2024 22:41

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2AP7



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 1616 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 20.9  | 16.7  | 25.1 |
| 277       | 25.7  | 19.9  | 29.9 |

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/26/2024

