

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122024\  
 Data File : BM049111.D  
 Acq On : 20 Dec 2024 21:37  
 Operator : RC/JU  
 Sample : P5265-06DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E28Z1DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024  
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 22:11:29 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   | 7.561  | 152  | 8982     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.321 | 136  | 27472    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.197 | 164  | 15774    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.943 | 188  | 33032    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.146 | 240  | 27630    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.306 | 264  | 29505    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96   | 8028     | 0.775 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.921 | 152  | 1667     | 0.045 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.979 | 212  | 2755     | 0.035 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 13.910 | 152  | 3517     | 0.054 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.257 | 153  | 2505     | 0.052 | ng/ul  | 96       |
| 12) Fluorene                | 15.252 | 166  | 2159     | 0.040 | ng/ul# | 97       |
| 15) Phenanthrene            | 16.985 | 178  | 156503   | 1.814 | ng/ul  | 98       |
| 16) Anthracene              | 17.074 | 178  | 5595     | 0.071 | ng/ul# | 93       |
| 19) Fluoranthene            | 19.007 | 202  | 366762   | 3.671 | ng/ul  | 100      |
| 20) Pyrene                  | 19.374 | 202  | 329460   | 3.092 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.128 | 228  | 75853    | 0.789 | ng/ul  | 99       |
| 22) Chrysene                | 21.181 | 228  | 123930   | 1.202 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.665 | 252  | 176566m  | 1.873 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.703 | 252  | 64043m   | 0.619 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.209 | 252  | 104152m  | 1.152 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.440 | 276  | 111232   | 0.869 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.450 | 278  | 16990    | 0.171 | ng/ul# | 97       |
| 29) Benzo(g,h,i)perylene    | 26.094 | 276  | 128553   | 1.250 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

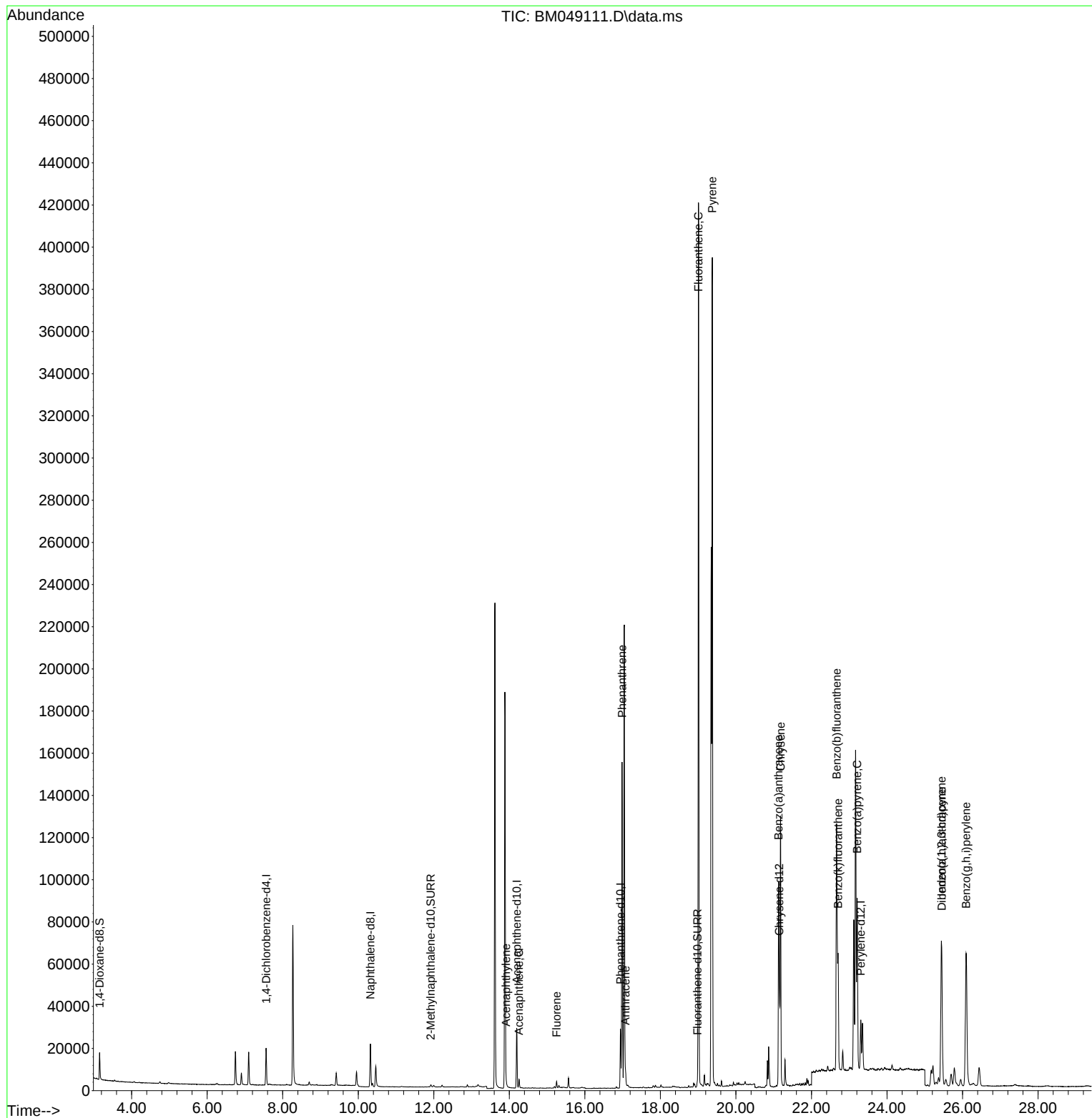
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122024\  
Data File : BM049111.D  
Acq On : 20 Dec 2024 21:37  
Operator : RC/JU  
Sample : P5265-06DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

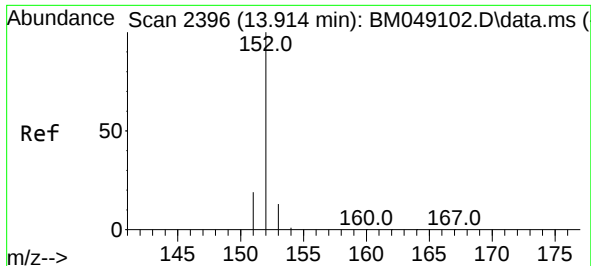
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z1DL

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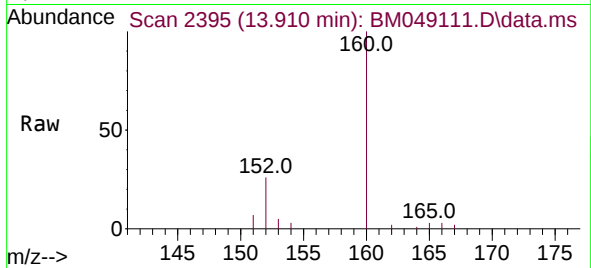
Quant Time: Dec 20 22:11:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.054 ng/ul  
RT: 13.910 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

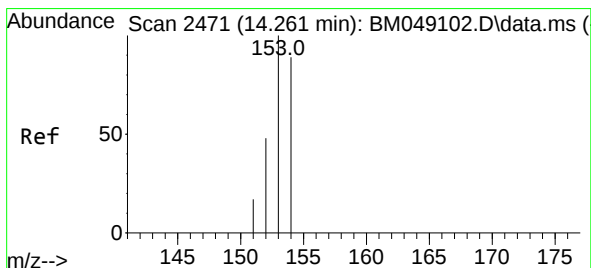
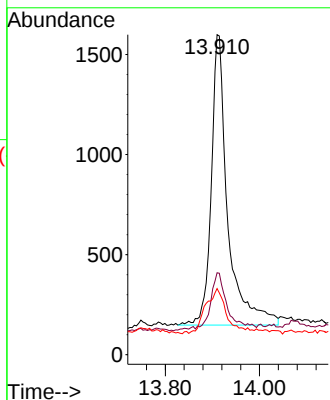
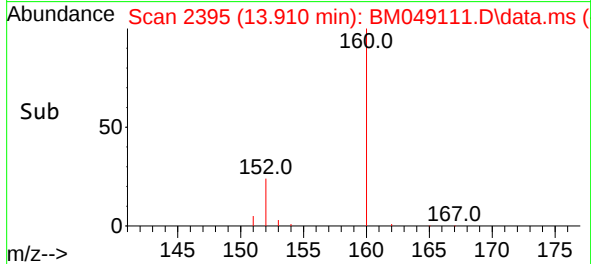
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z1DL



Tgt Ion:152 Resp: 351  
Ion Ratio Lower Upper  
152 100  
151 25.6 16.0 24.0  
153 20.6 11.0 16.6

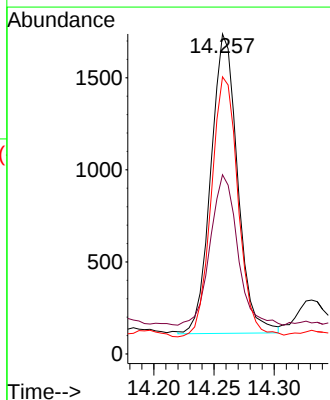
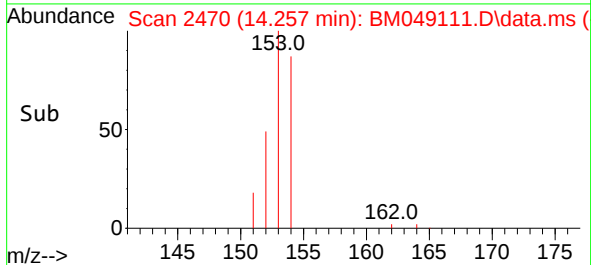
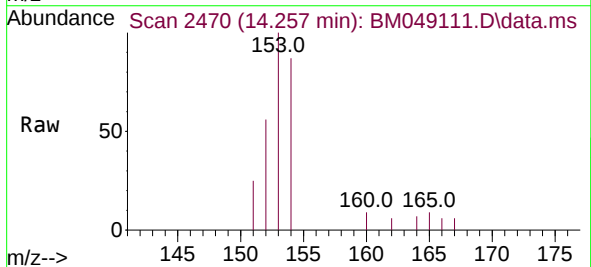
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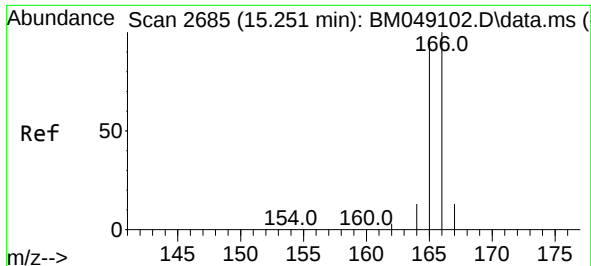
Reviewed By :Jagrut Upadhyay 12/23/2024  
Supervised By :mohammad ahmed 12/24/2024



#11  
Acenaphthene  
Concen: 0.052 ng/ul  
RT: 14.257 min Scan# 2470  
Delta R.T. -0.008 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

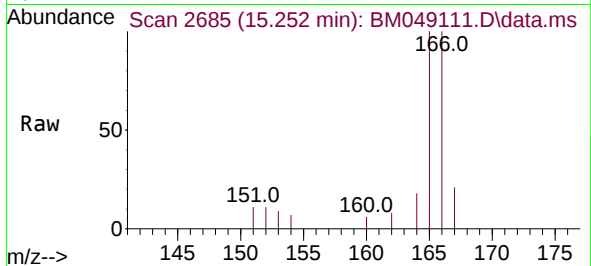
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Ion Ratio Lower Upper  
153 100  
152 56.0 40.7 61.1  
154 86.6 70.8 106.2





#12  
Fluorene  
Concen: 0.040 ng/ul  
RT: 15.252 min Scan# 2015  
Delta R.T. -0.003 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

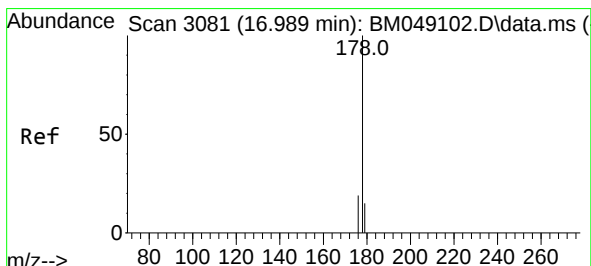
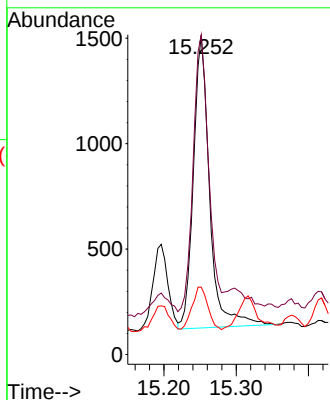
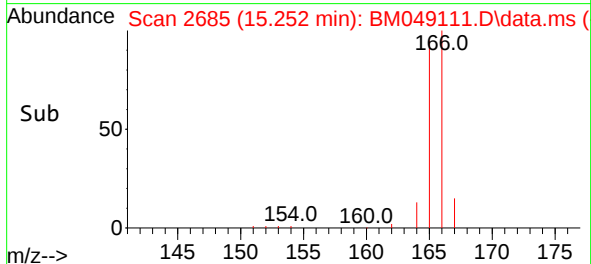
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z1DL



Tgt Ion:166 Resp: 2159  
Ion Ratio Lower Upper  
166 100  
165 100.3 79.7 119.5  
167 21.2 11.4 17.0

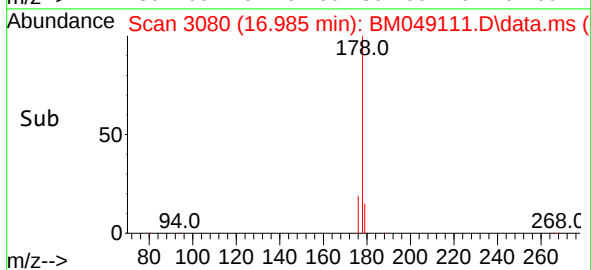
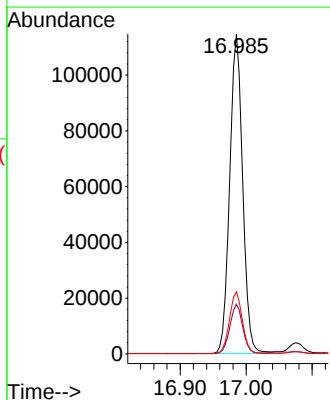
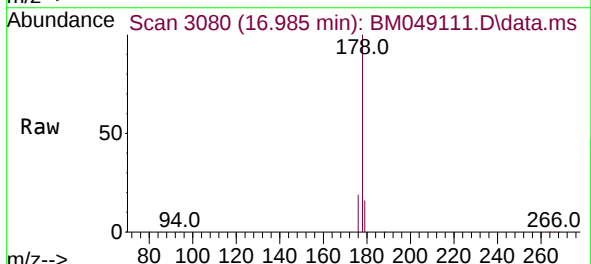
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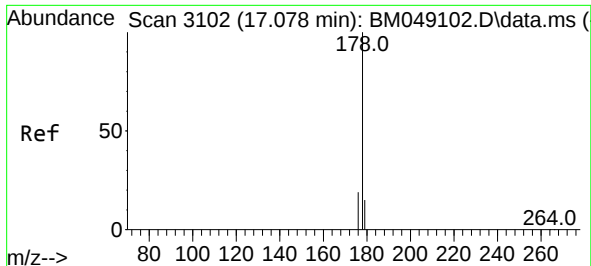
Reviewed By :Jagrut Upadhyay 12/23/2024  
Supervised By :mohammad ahmed 12/24/2024



#15  
Phenanthrene  
Concen: 1.814 ng/ul  
RT: 16.985 min Scan# 3080  
Delta R.T. -0.007 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

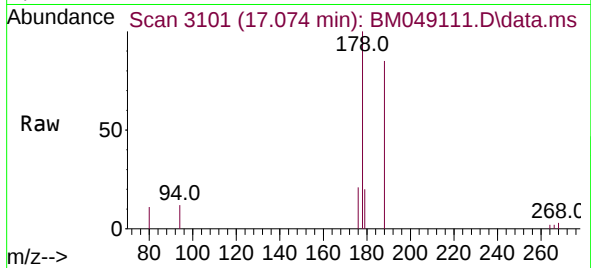
Tgt Ion:178 Resp: 156503  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.0 19.4  
176 19.4 16.2 24.2





#16  
 Anthracene  
 Concen: 0.071 ng/ul  
 RT: 17.074 min Scan# 3101  
 Delta R.T. -0.011 min  
 Lab File: BM049111.D  
 Acq: 20 Dec 2024 21:37

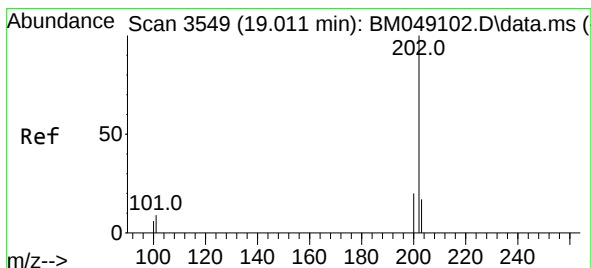
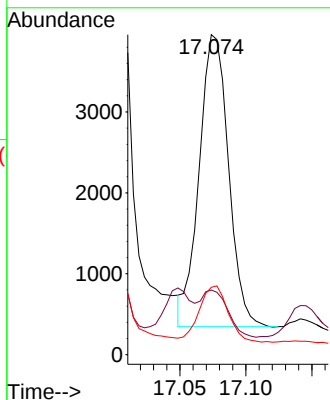
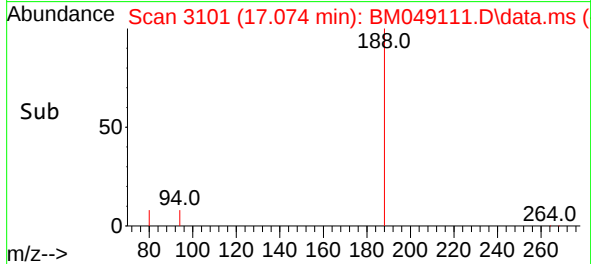
Instrument :  
 BNA\_M  
 ClientSampleId :  
 E28Z1DL



Tgt Ion:178 Resp: 559  
 Ion Ratio Lower Upper  
 178 100  
 179 20.2 12.9 19.3  
 176 21.1 15.3 22.9

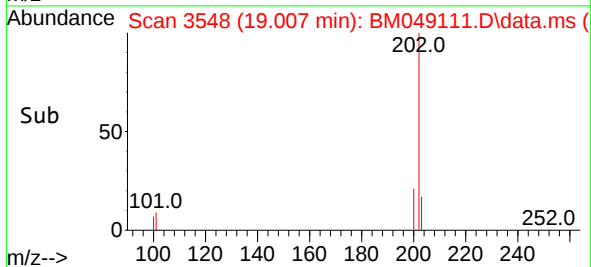
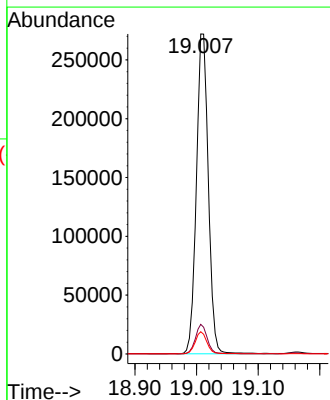
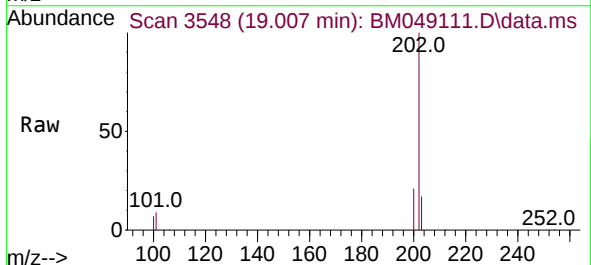
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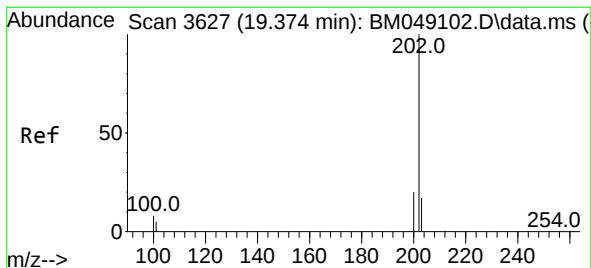
Reviewed By :Jagrut Upadhyay 12/23/2024  
 Supervised By :mohammad ahmed 12/24/2024



#19  
 Fluoranthene  
 Concen: 3.671 ng/ul  
 RT: 19.007 min Scan# 3548  
 Delta R.T. -0.008 min  
 Lab File: BM049111.D  
 Acq: 20 Dec 2024 21:37

Tgt Ion:202 Resp: 366762  
 Ion Ratio Lower Upper  
 202 100  
 101 9.2 7.6 11.4  
 100 6.9 5.5 8.3





#20

Pyrene

Concen: 3.092 ng/ul

RT: 19.374 min Scan# 3627

Delta R.T. -0.003 min

Lab File: BM049111.D

Acq: 20 Dec 2024 21:37

Instrument :

BNA\_M

ClientSampleId :

E28Z1DL

Tgt Ion:202 Resp: 329460

Ion Ratio Lower Upper

202 100

101 10.1 8.9 13.3

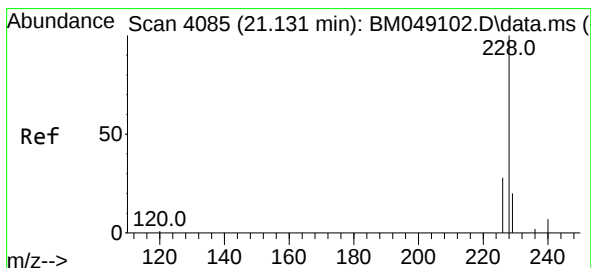
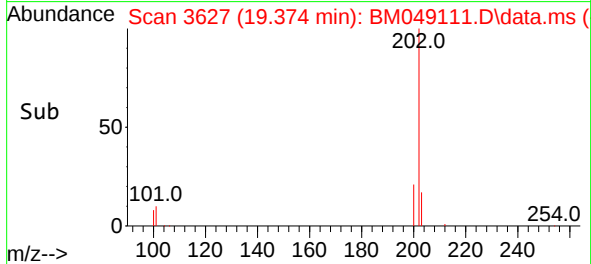
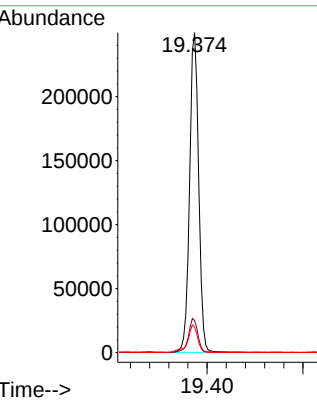
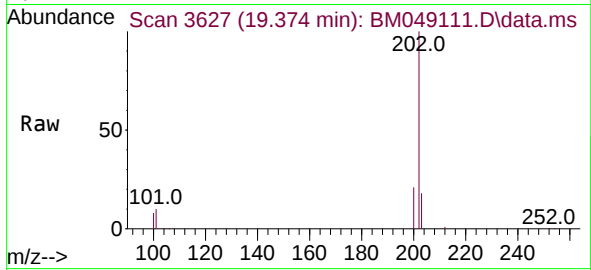
100 8.0 6.9 10.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024

Supervised By :mohammad ahmed 12/24/2024



#21

Benzo(a)anthracene

Concen: 0.789 ng/ul

RT: 21.128 min Scan# 4084

Delta R.T. -0.003 min

Lab File: BM049111.D

Acq: 20 Dec 2024 21:37

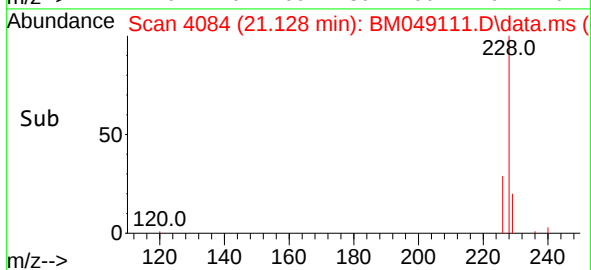
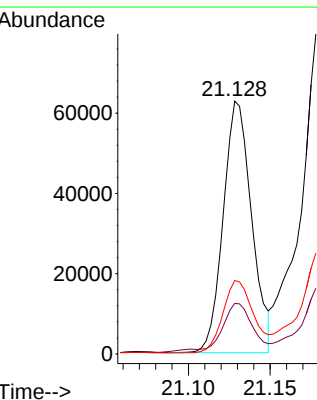
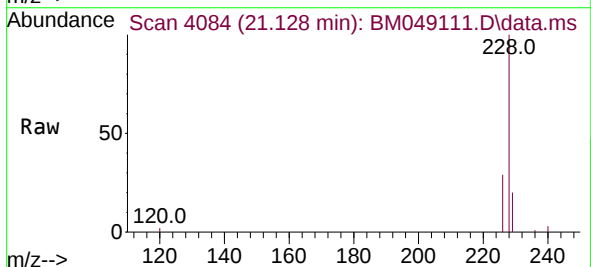
Tgt Ion:228 Resp: 75853

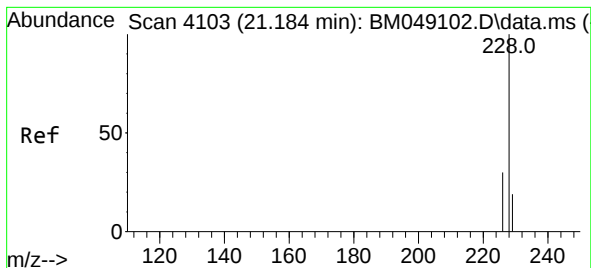
Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

226 29.1 22.6 34.0





#22

Chrysene

Concen: 1.202 ng/ul

RT: 21.181 min Scan# 4103

Delta R.T. -0.003 min

Lab File: BM049111.D

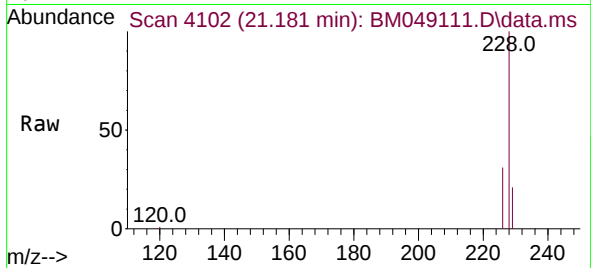
Acq: 20 Dec 2024 21:37

Instrument :

BNA\_M

ClientSampleId :

E28Z1DL



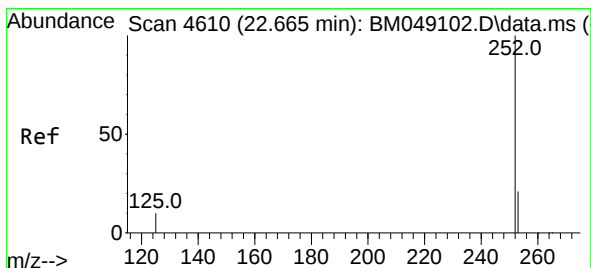
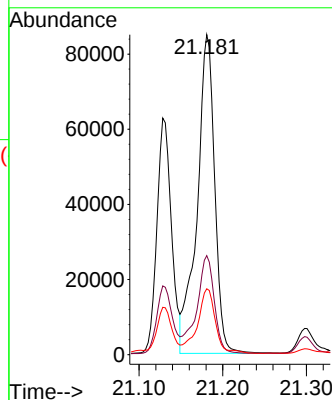
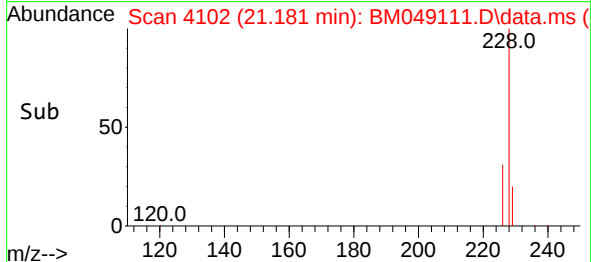
Tgt Ion:228 Resp: 123930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.9  | 24.1  | 36.1  |
| 229 | 20.6  | 15.8  | 23.8  |

Manual Integrations

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Supervised By :mohammad ahmed 12/24/2024



#24

Benzo(b)fluoranthene

Concen: 1.873 ng/ul m

RT: 22.665 min Scan# 4610

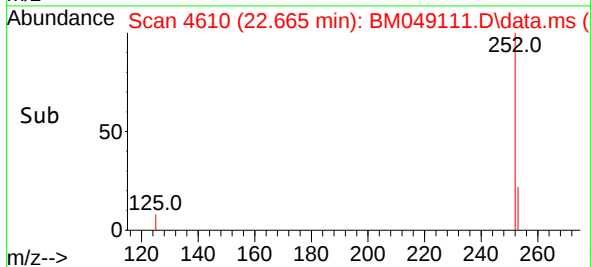
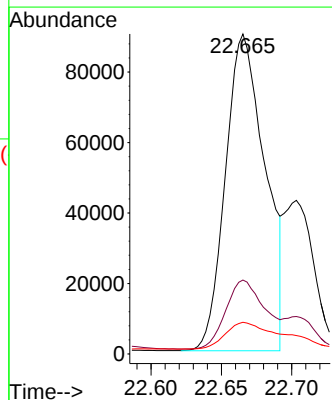
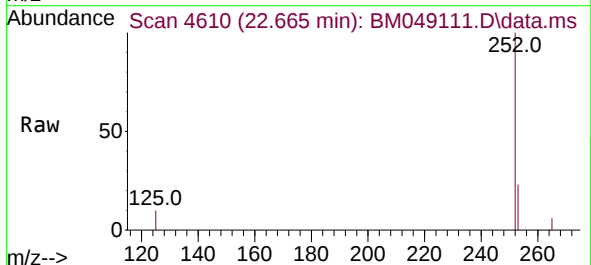
Delta R.T. 0.003 min

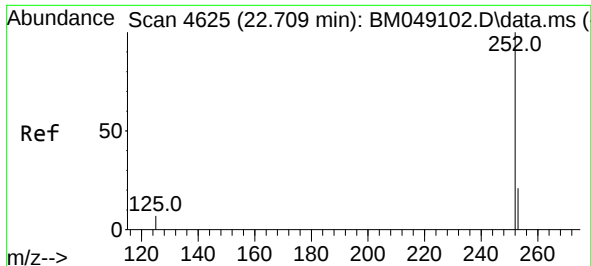
Lab File: BM049111.D

Acq: 20 Dec 2024 21:37

Tgt Ion:252 Resp: 176566

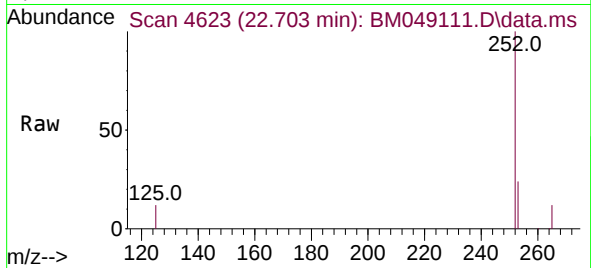
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 0.0   | 52.6  |
| 125 | 9.9   | 0.0   | 30.8  |





#25  
Benzo(k)fluoranthene  
Concen: 0.619 ng/ul m  
RT: 22.703 min Scan# 4623  
Delta R.T. -0.003 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

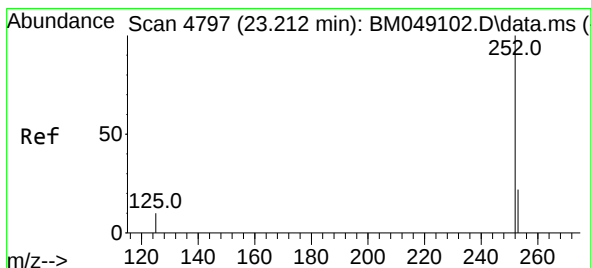
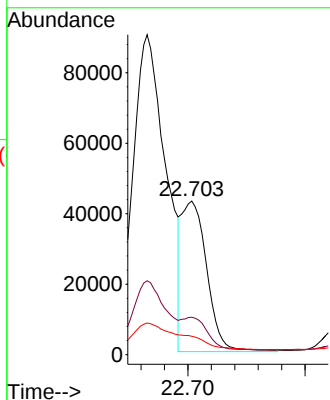
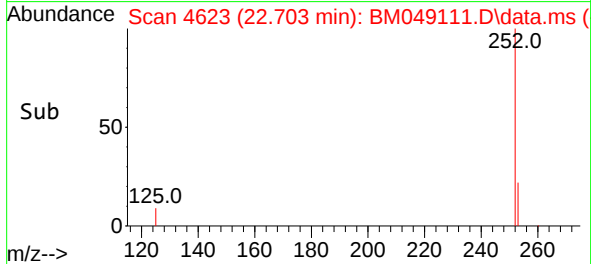
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z1DL



Tgt Ion:252 Resp: 6404  
Ion Ratio Lower Upper  
252 100  
253 24.4 21.3 31.9  
125 12.0 12.6 18.8

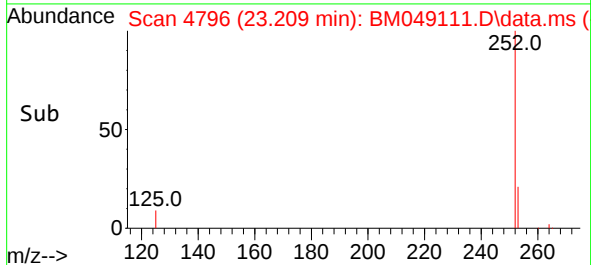
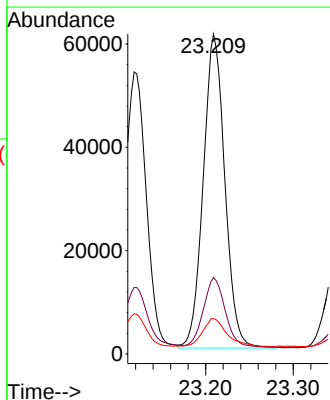
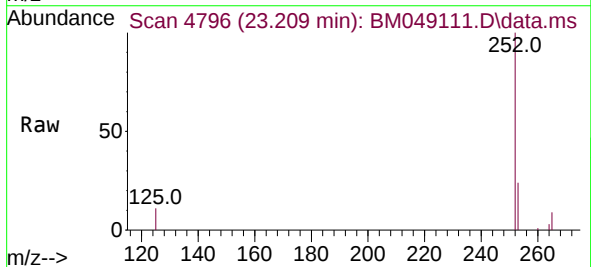
Manual Integrations  
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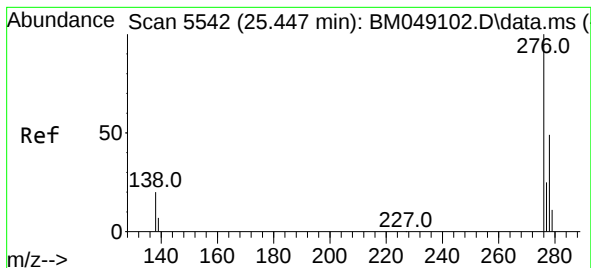
Reviewed By :Jagrut Upadhyay 12/23/2024  
Supervised By :mohammad ahmed 12/24/2024



#26  
Benzo(a)pyrene  
Concen: 1.152 ng/ul m  
RT: 23.209 min Scan# 4796  
Delta R.T. -0.000 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

Tgt Ion:252 Resp: 104152  
Ion Ratio Lower Upper  
252 100  
253 23.8 22.4 33.6  
125 11.1 14.8 22.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.869 ng/ul

RT: 25.440 min Scan# 5542

Delta R.T. -0.007 min

Lab File: BM049111.D

Acq: 20 Dec 2024 21:37

Instrument :

BNA\_M

ClientSampleId :

E28Z1DL

Tgt Ion:276 Resp: 11123

Ion Ratio Lower Upper

276 100

138 17.5 17.4 26.2

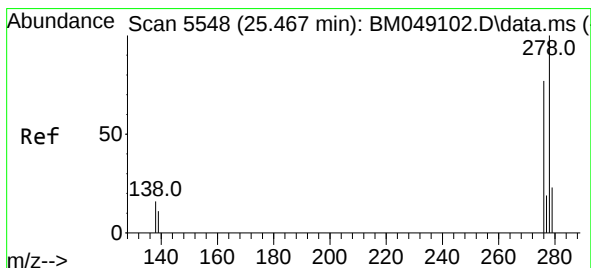
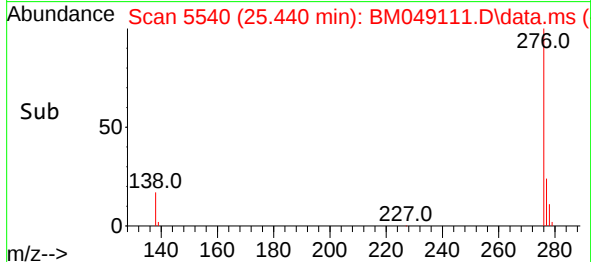
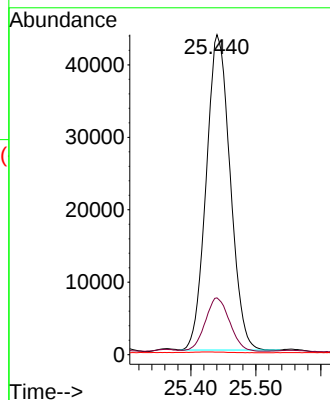
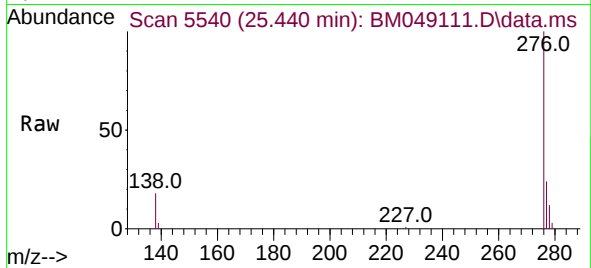
227 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024

Supervised By :mohammad ahmed 12/24/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.171 ng/ul

RT: 25.450 min Scan# 5543

Delta R.T. -0.017 min

Lab File: BM049111.D

Acq: 20 Dec 2024 21:37

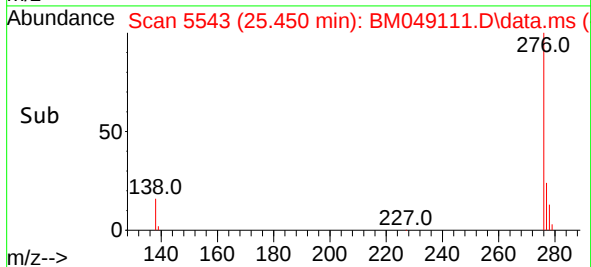
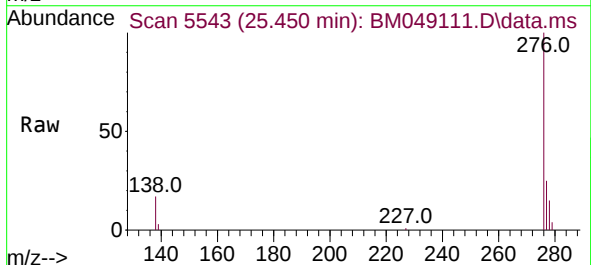
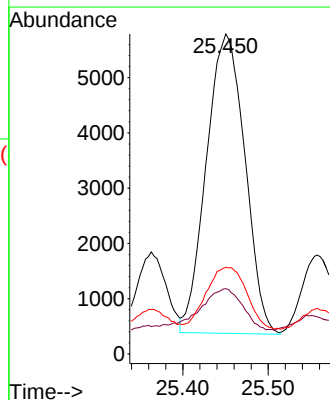
Tgt Ion:278 Resp: 16990

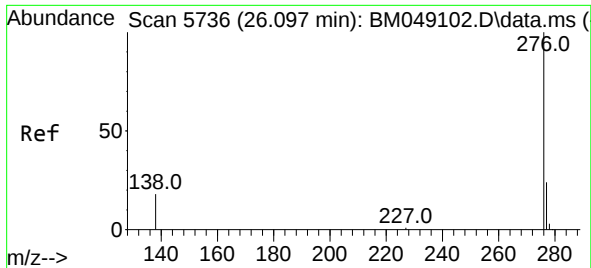
Ion Ratio Lower Upper

278 100

139 20.4 13.5 20.3

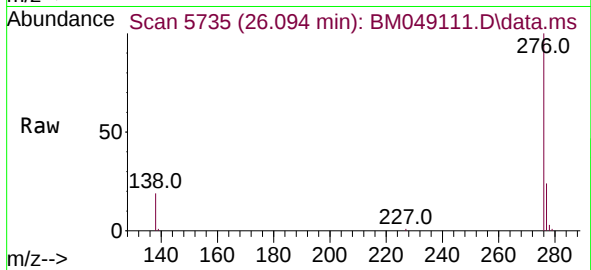
279 27.1 21.5 32.3





#29  
Benzo(g,h,i)perylene  
Concen: 1.250 ng/ul  
RT: 26.094 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BM049111.D  
Acq: 20 Dec 2024 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
E28Z1DL



Tgt Ion:276 Resp: 12855  
Ion Ratio Lower Upper  
276 100  
138 18.9 16.7 25.1  
277 23.7 19.9 29.9

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024  
Supervised By :mohammad ahmed 12/24/2024

