

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061024\  
 Data File : BM045966.D  
 Acq On : 11 Jun 2024 00:23  
 Operator : MA/JU  
 Sample : P2642-09DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BH6DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 11 00:54:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 22:47:12 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.463  | 152  | 4597     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.238 | 136  | 14346    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 7641     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.850 | 188  | 13341    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.046 | 240  | 10065    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.145 | 264  | 11156m   | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.058  | 96   | 3774     | 0.721 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.866 | 152  | 744      | 0.036 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 18.881 | 212  | 1337     | 0.044 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 13.827 | 152  | 721      | 0.021 | ng/ul# | 65       |
| 15) Phenanthrene            | 16.892 | 178  | 5446     | 0.145 | ng/ul  | 97       |
| 16) Anthracene              | 16.985 | 178  | 1041     | 0.033 | ng/ul# | 73       |
| 19) Fluoranthene            | 18.914 | 202  | 12348    | 0.308 | ng/ul  | 98       |
| 20) Pyrene                  | 19.272 | 202  | 11821    | 0.282 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.029 | 228  | 4750m    | 0.129 | ng/ul  |          |
| 22) Chrysene                | 21.078 | 228  | 7060m    | 0.176 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.525 | 252  | 8375m    | 0.226 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.563 | 252  | 3991m    | 0.098 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.051 | 252  | 5870     | 0.160 | ng/ul# | 79       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.212 | 276  | 4837     | 0.102 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.209 | 278  | 1055     | 0.028 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 25.839 | 276  | 5093     | 0.124 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

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

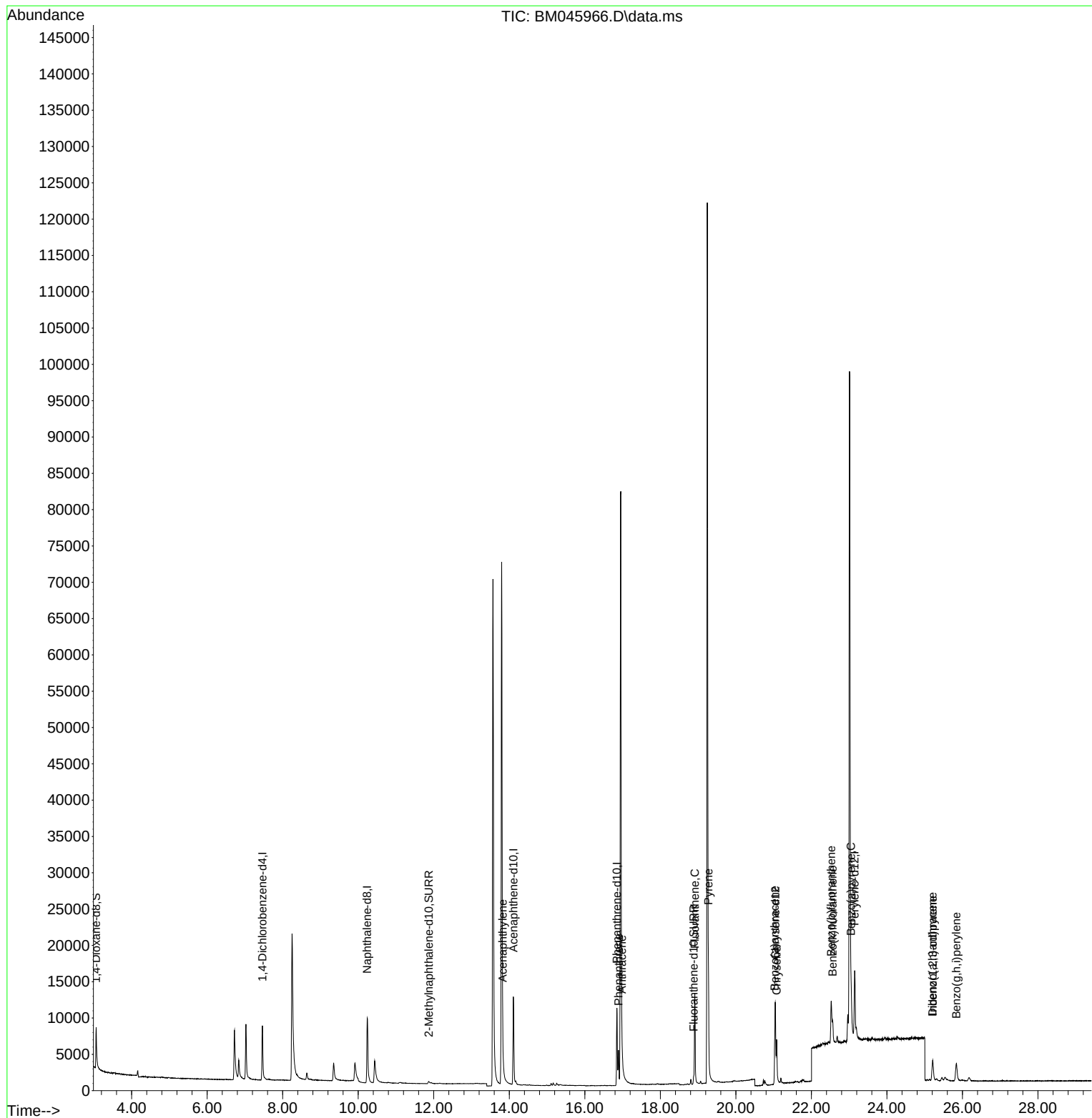
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061024\  
Data File : BM045966.D  
Acq On : 11 Jun 2024 00:23  
Operator : MA/JU  
Sample : P2642-09DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

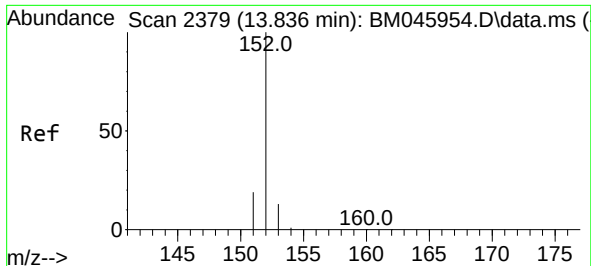
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH6DL

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Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

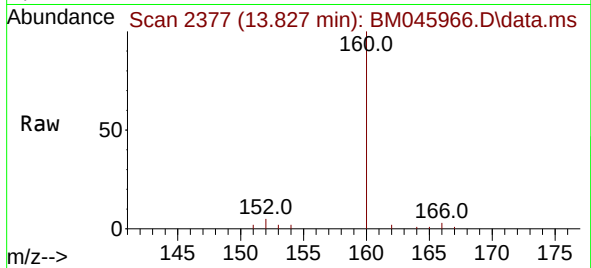
Quant Time: Jun 11 00:54:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 22:47:12 2024  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.021 ng/ul  
RT: 13.827 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

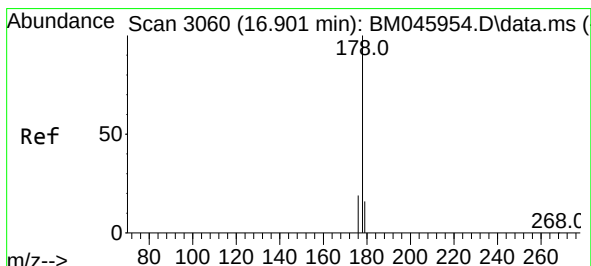
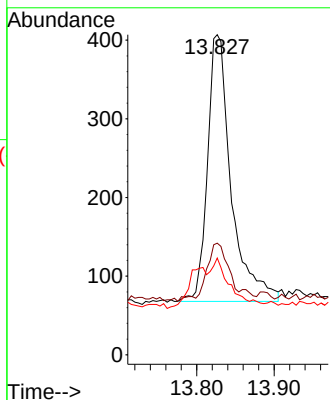
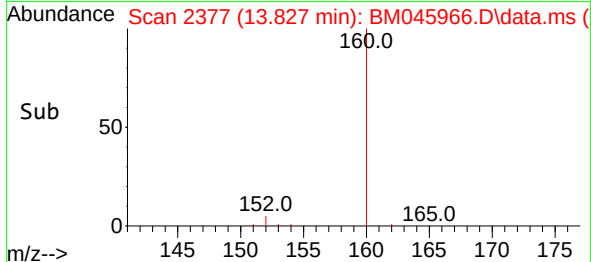
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH6DL



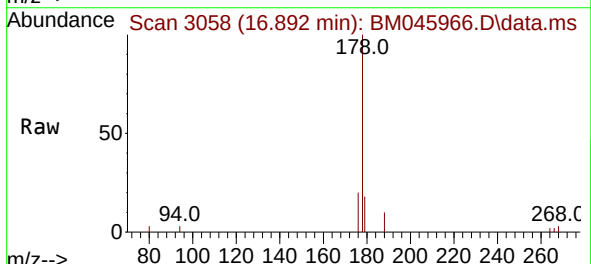
Tgt Ion:152 Resp: 72  
Ion Ratio Lower Upper  
152 100  
151 34.9 16.4 24.6  
153 30.2 11.1 16.7

Manual Integrations  
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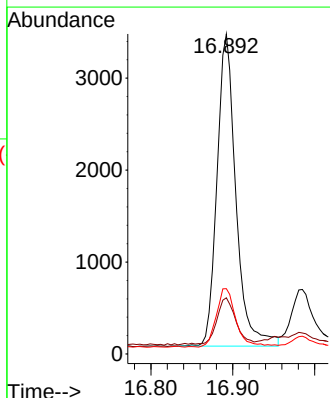
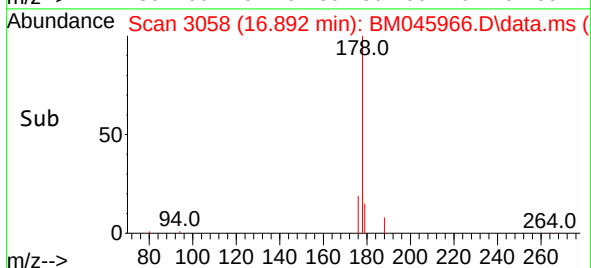
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

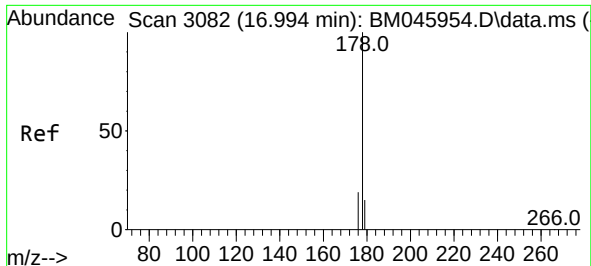


#15  
Phenanthrene  
Concen: 0.145 ng/ul  
RT: 16.892 min Scan# 3058  
Delta R.T. -0.012 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23



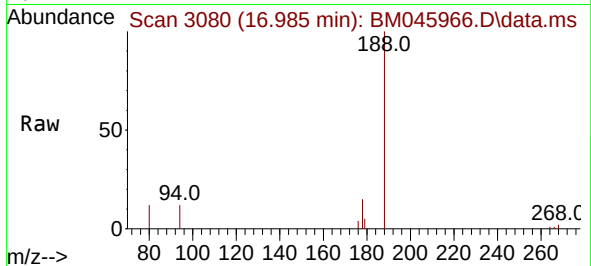
Tgt Ion:178 Resp: 5446  
Ion Ratio Lower Upper  
178 100  
179 17.6 12.7 19.1  
176 20.4 15.6 23.4





#16  
 Anthracene  
 Concen: 0.033 ng/u1  
 RT: 16.985 min Scan# 3080  
 Delta R.T. -0.012 min  
 Lab File: BM045966.D  
 Acq: 11 Jun 2024 00:23

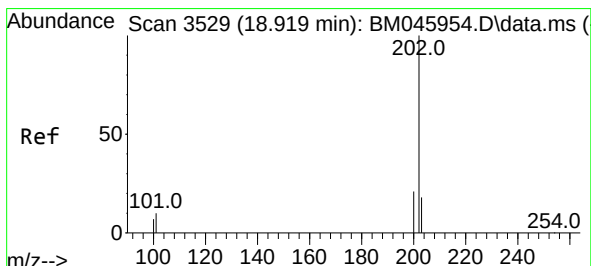
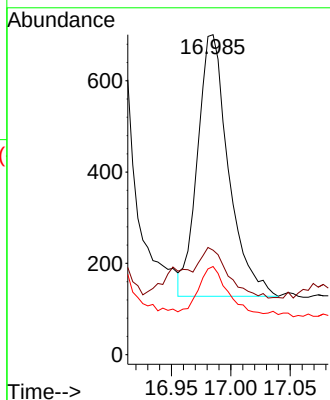
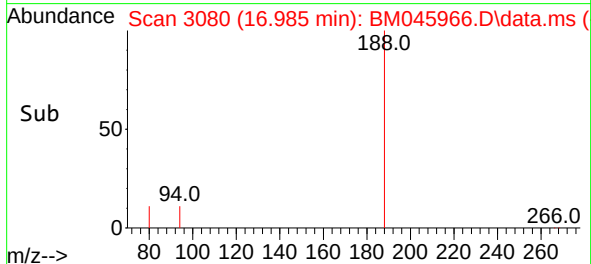
Instrument :  
 BNA\_M  
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Tgt Ion:178 Resp: 104  
 Ion Ratio Lower Upper  
 178 100  
 179 32.7 13.1 19.7  
 176 27.5 15.5 23.3

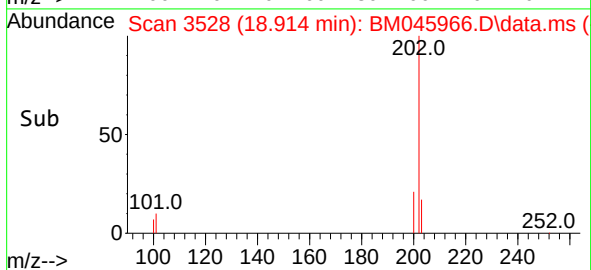
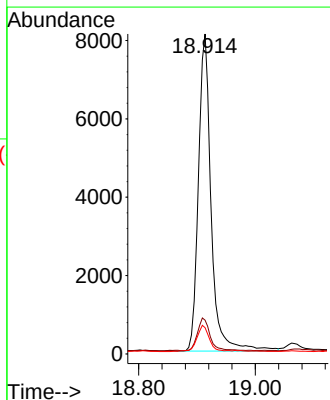
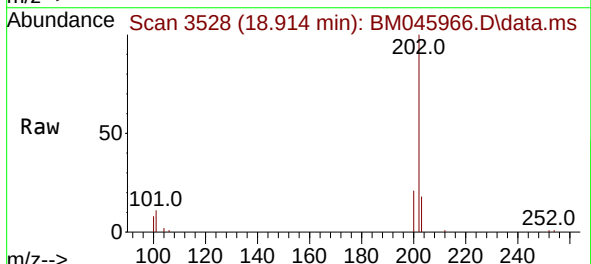
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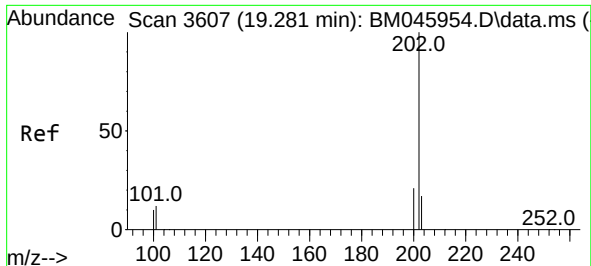
Reviewed By :Jagrut Upadhyay 06/11/2024  
 Supervised By :mohammad ahmed 06/13/2024



#19  
 Fluoranthene  
 Concen: 0.308 ng/u1  
 RT: 18.914 min Scan# 3528  
 Delta R.T. -0.008 min  
 Lab File: BM045966.D  
 Acq: 11 Jun 2024 00:23

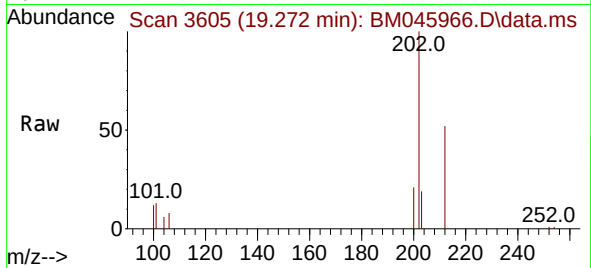
Tgt Ion:202 Resp: 12348  
 Ion Ratio Lower Upper  
 202 100  
 101 10.6 9.0 13.6  
 100 8.2 7.0 10.6





#20  
Pyrene  
Concen: 0.282 ng/ul  
RT: 19.272 min Scan# 3605  
Delta R.T. -0.013 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

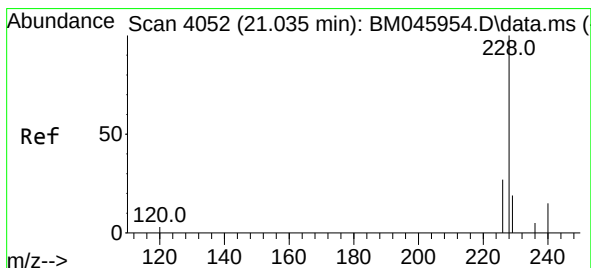
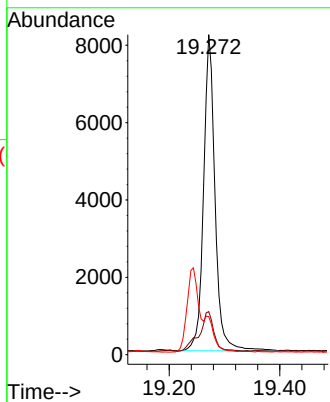
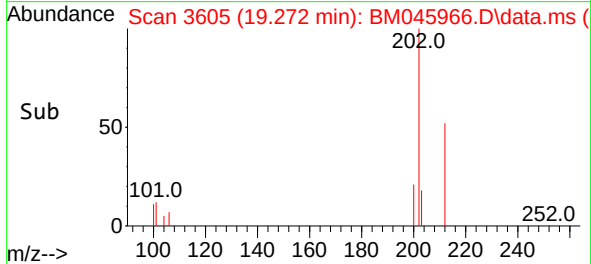
Instrument :  
BNA\_M  
ClientSampleId :  
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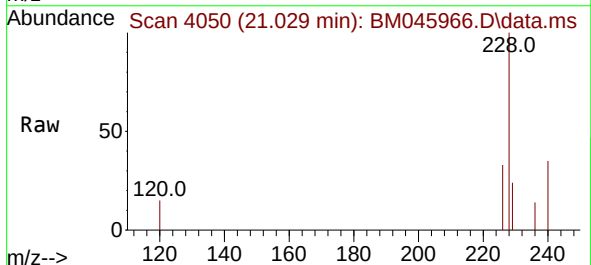
Tgt Ion:202 Resp: 1182  
Ion Ratio Lower Upper  
202 100  
101 13.5 10.6 16.0  
100 11.9 9.1 13.7

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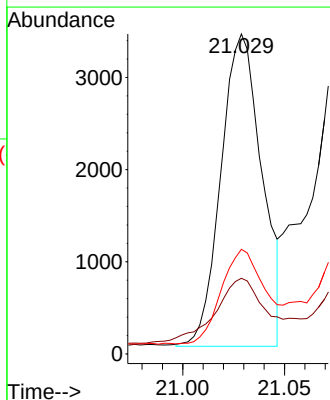
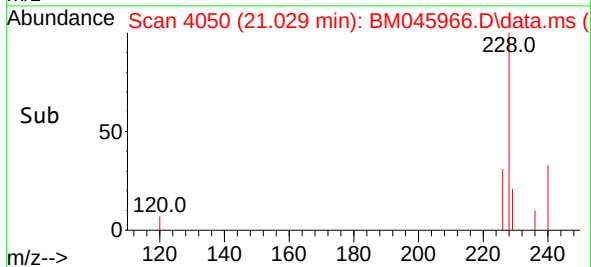
Reviewed By :Jagrut Upadhyay 06/11/2024  
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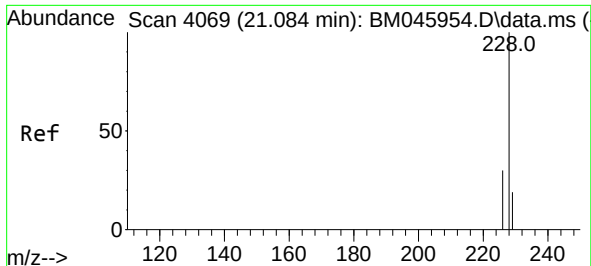


#21  
Benzo(a)anthracene  
Concen: 0.129 ng/ul m  
RT: 21.029 min Scan# 4050  
Delta R.T. -0.006 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23



Tgt Ion:228 Resp: 4750  
Ion Ratio Lower Upper  
228 100  
229 23.6 15.7 23.5#  
226 32.7 22.0 33.0





#22

Chrysene

Concen: 0.176 ng/ul m

RT: 21.078 min Scan# 4067

Delta R.T. -0.009 min

Lab File: BM045966.D

Acq: 11 Jun 2024 00:23

Instrument :

BNA\_M

ClientSampleId :

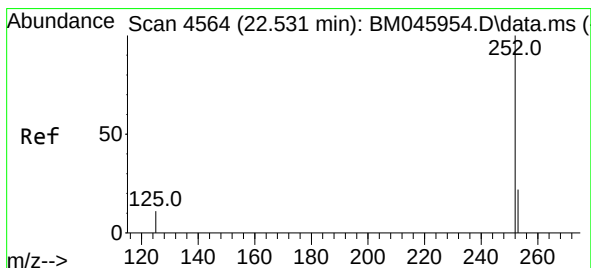
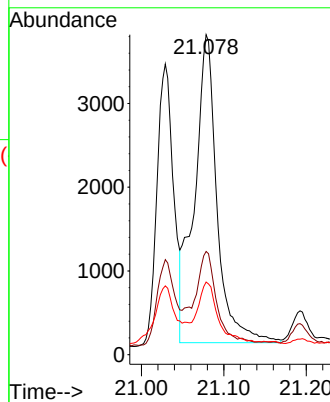
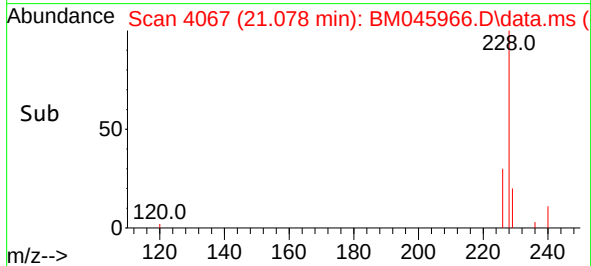
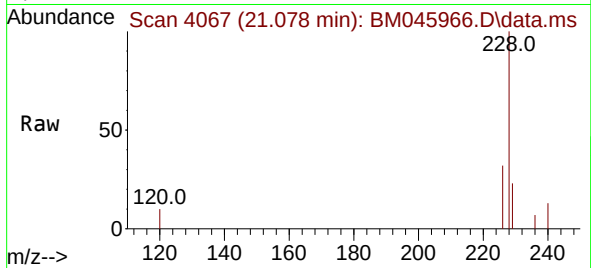
A4BH6DL

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 7060      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 32.3  | 24.5 36.7 |
| 229         | 22.7  | 16.2 24.2 |

Manual Integrations

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#24

Benzo(b)fluoranthene

Concen: 0.226 ng/ul m

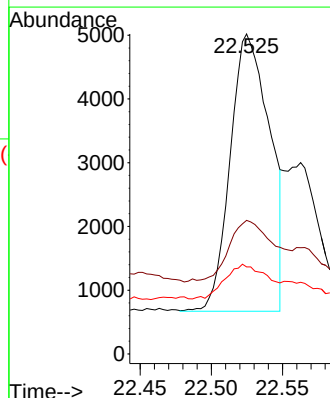
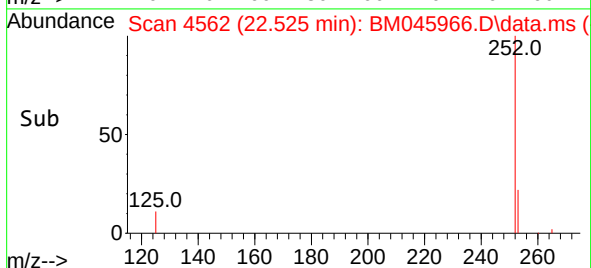
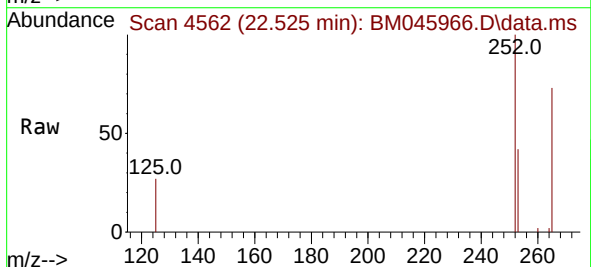
RT: 22.525 min Scan# 4562

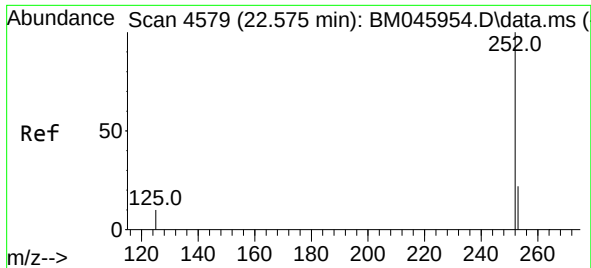
Delta R.T. -0.012 min

Lab File: BM045966.D

Acq: 11 Jun 2024 00:23

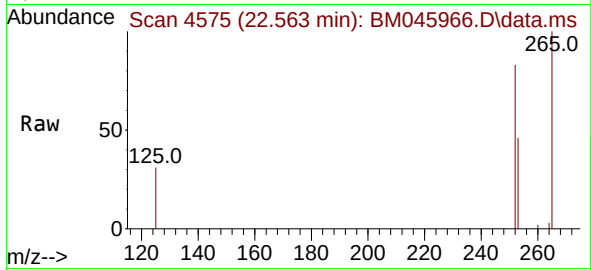
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 8375     |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 41.7  | 0.0 63.6 |
| 125         | 27.2  | 0.0 35.8 |





#25  
Benzo(k)fluoranthene  
Concen: 0.098 ng/ul m  
RT: 22.563 min Scan# 4575  
Delta R.T. -0.018 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

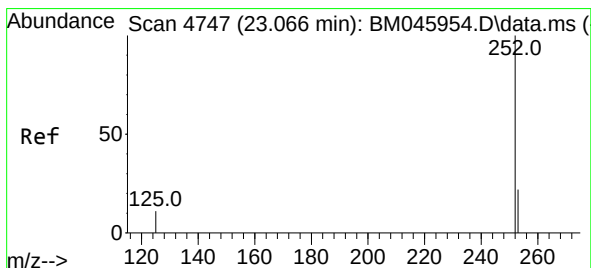
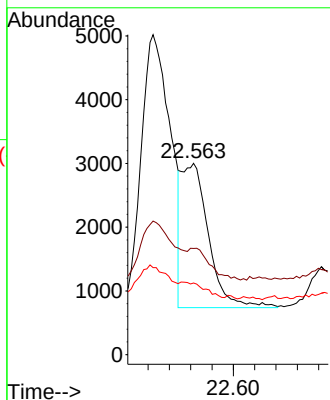
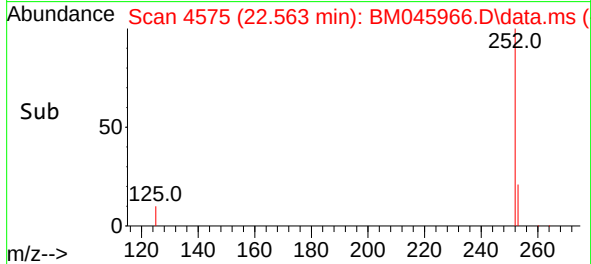
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH6DL



Tgt Ion:252 Resp: 399  
Ion Ratio Lower Upper  
252 100  
253 55.5 25.0 37.6  
125 37.4 14.2 21.2

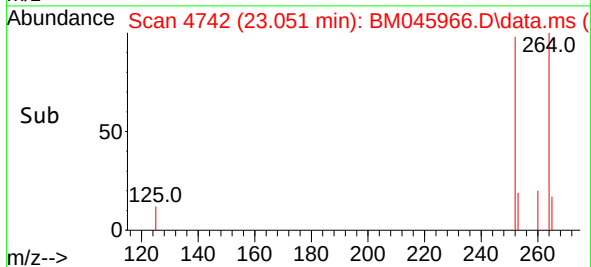
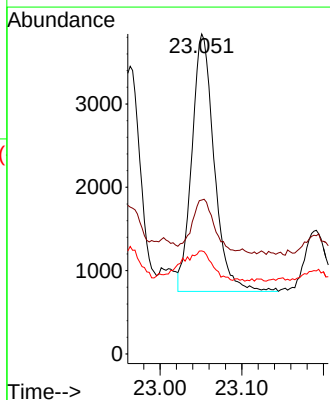
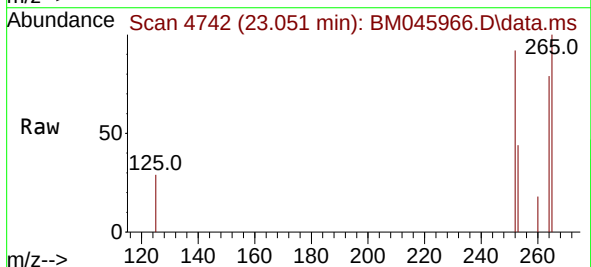
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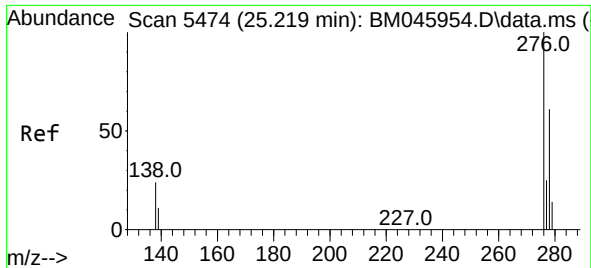
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#26  
Benzo(a)pyrene  
Concen: 0.160 ng/ul  
RT: 23.051 min Scan# 4742  
Delta R.T. -0.021 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

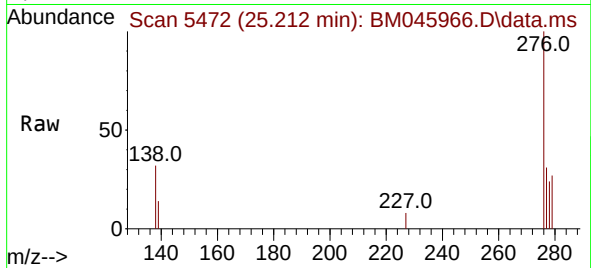
Tgt Ion:252 Resp: 5870  
Ion Ratio Lower Upper  
252 100  
253 48.1 28.8 43.2#  
125 32.2 17.3 25.9#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.102 ng/ul  
RT: 25.212 min Scan# 5472  
Delta R.T. -0.020 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

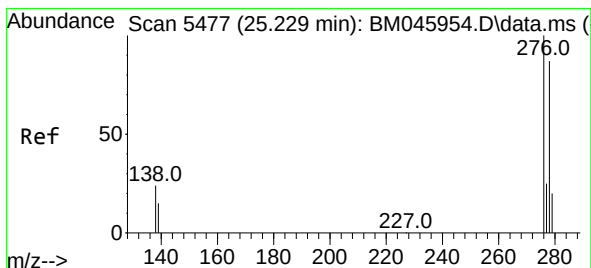
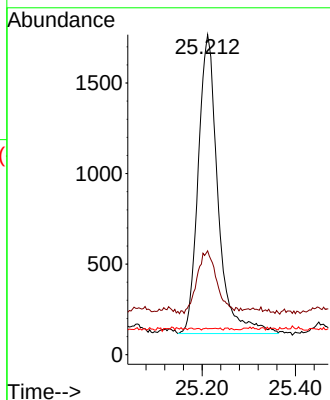
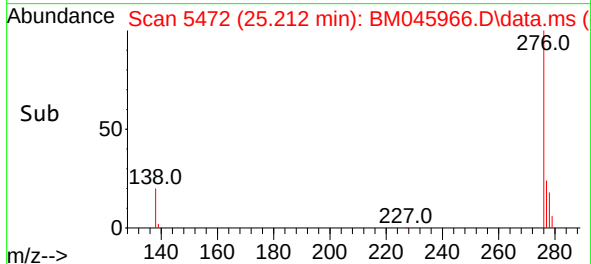
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH6DL



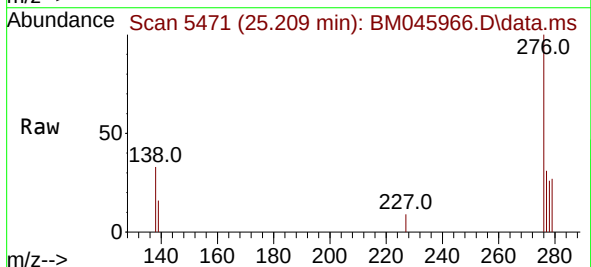
Tgt Ion:276 Resp: 483  
Ion Ratio Lower Upper  
276 100  
138 21.2 20.7 31.1  
227 0.0 0.2 0.2

Manual Integrations  
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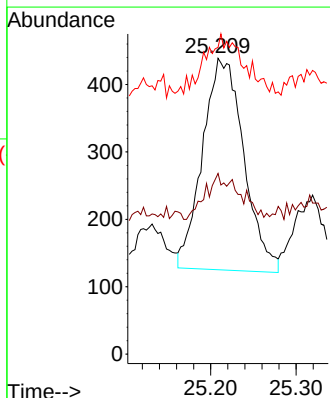
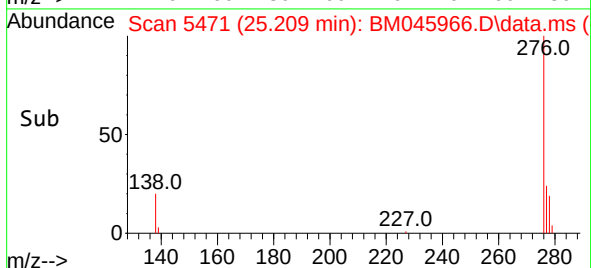
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



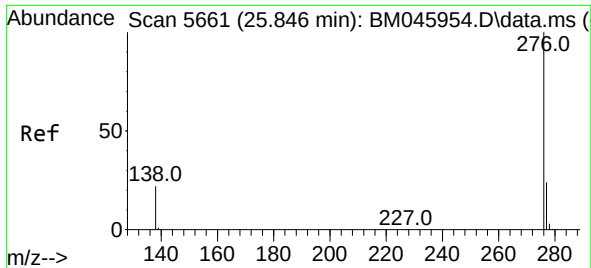
#28  
Dibenzo(a,h)anthracene  
Concen: 0.028 ng/ul  
RT: 25.209 min Scan# 5471  
Delta R.T. -0.040 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23



Tgt Ion:278 Resp: 1055  
Ion Ratio Lower Upper  
278 100  
139 61.0 16.6 25.0#  
279 103.6 24.6 37.0#

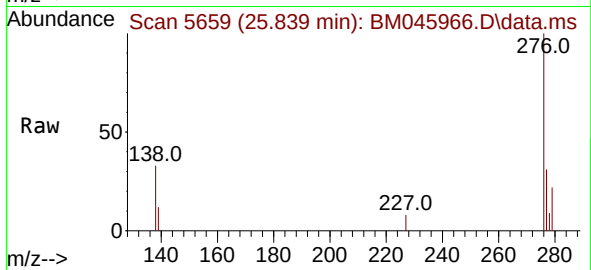






#29  
Benzo(g,h,i)perylene  
Concen: 0.124 ng/ul  
RT: 25.839 min Scan# 509  
Delta R.T. -0.024 min  
Lab File: BM045966.D  
Acq: 11 Jun 2024 00:23

Instrument :  
BNA\_M  
ClientSampleId :  
A4BH6DL



Tgt Ion:276 Resp: 509  
Ion Ratio Lower Upper  
276 100  
138 32.8 21.0 31.4  
277 31.5 20.5 30.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

