

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061124\  
 Data File : BM045979.D  
 Acq On : 11 Jun 2024 17:02  
 Operator : MA/JU  
 Sample : P2642-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4B32

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024  
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 11 23:41:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 11 16:01:34 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.440  | 152  | 80228    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.210 | 136  | 357236   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.086 | 164  | 241676   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.827 | 188  | 534519   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.039 | 240  | 635126   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.744 | 264  | 765442   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.040  | 96   | 10398    | 5.025  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.487  | 84   | 33678    | 6.321  | ng/u1  | 0.04     |
| 7) Phenol-d5                  | 6.699  | 99   | 210278   | 30.852 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.804  | 67   | 163118   | 33.330 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.004  | 132  | 163436   | 32.103 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.210  | 113  | 167398   | 32.510 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.610  | 128  | 88102    | 31.543 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.316  | 143  | 87116    | 30.817 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.875  | 165  | 167709   | 31.637 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.398 | 131  | 174887   | 23.838 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.539 | 166  | 566681   | 33.870 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.775 | 160  | 646230   | 33.262 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.386 | 143  | 68167    | 18.878 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.086 | 176  | 496501   | 34.785 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.227 | 200  | 65971    | 24.169 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.927 | 188  | 799368   | 34.401 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.227 | 212  | 989876   | 25.062 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.562 | 264  | 952204   | 26.617 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 16.868 | 178  | 166079   | 5.897  | ng/u1  | 99       |
| 74) Anthracene                | 16.963 | 178  | 31637m   | 1.125  | ng/u1  |          |
| 80) Fluoranthene              | 18.892 | 202  | 354667   | 7.407  | ng/u1  | 99       |
| 82) Pyrene                    | 19.257 | 202  | 282261   | 5.737  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.027 | 228  | 175473   | 4.001  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 20.980 | 149  | 42325    | 1.421  | ng/u1  | 99       |
| 87) Chrysene                  | 21.080 | 228  | 190080   | 4.685  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 22.903 | 252  | 271545   | 5.773  | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 22.950 | 252  | 91892m   | 2.000  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.621 | 252  | 111168   | 2.689  | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.721 | 276  | 89398    | 1.980  | ng/u1  | 96       |
| -----                         |        |      |          |        |        |          |

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

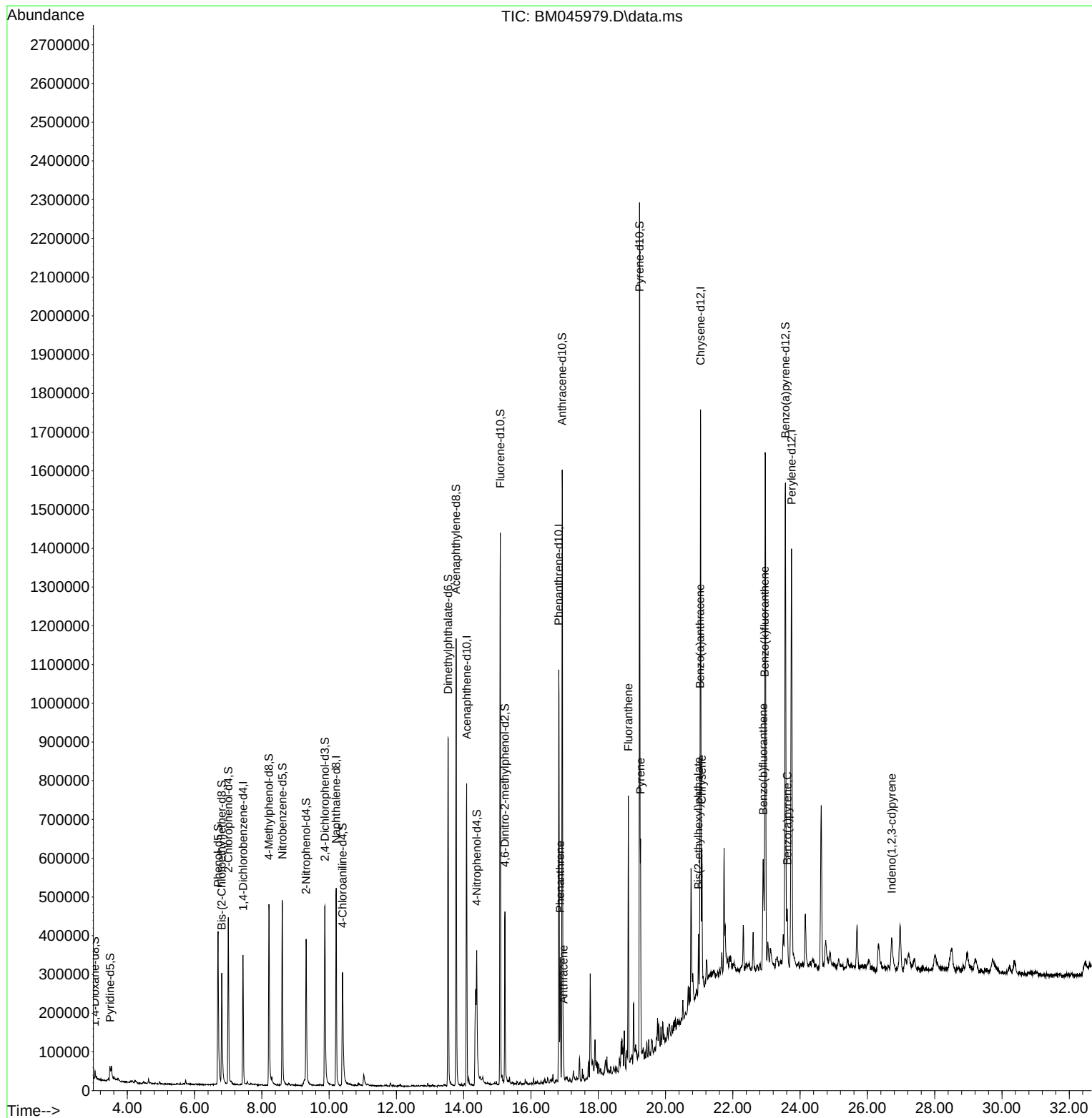
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061124\  
Data File : BM045979.D  
Acq On : 11 Jun 2024 17:02  
Operator : MA/JU  
Sample : P2642-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

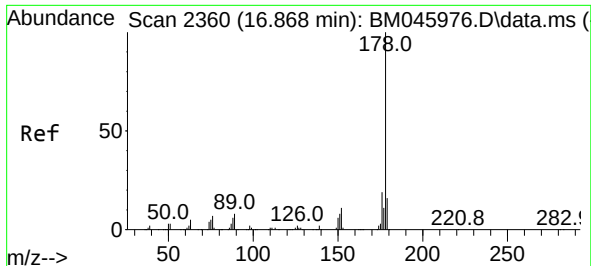
Instrument :  
BNA\_M  
ClientSampleId :  
A4B32

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Supervised By :mohammad ahmed 06/13/2024

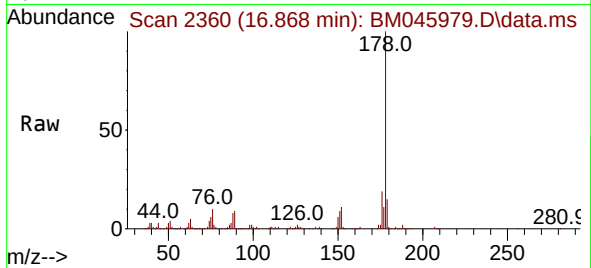
Quant Time: Jun 11 23:41:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 11 16:01:34 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 5.897 ng/ul  
RT: 16.868 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: BM045979.D  
Acq: 11 Jun 2024 17:02

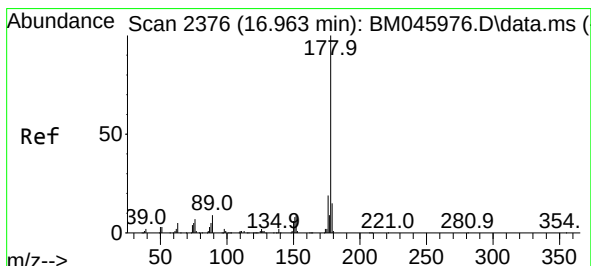
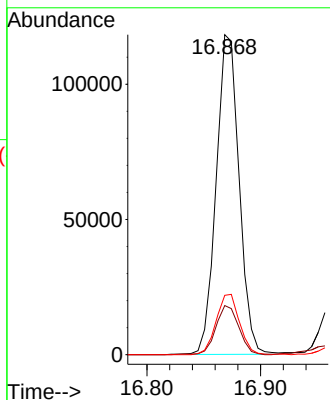
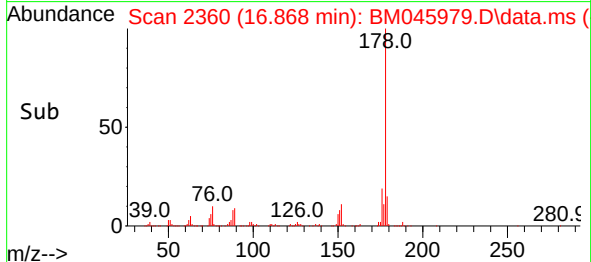
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:178 Resp: 166079  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.4 18.6  
176 18.5 15.3 22.9

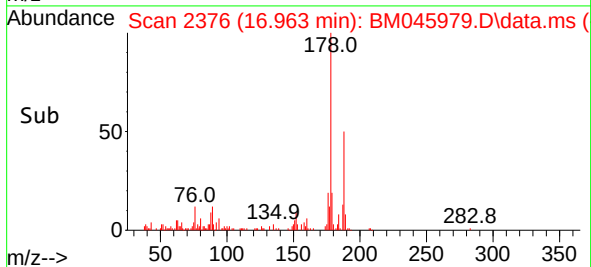
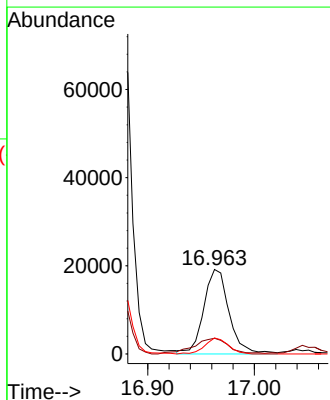
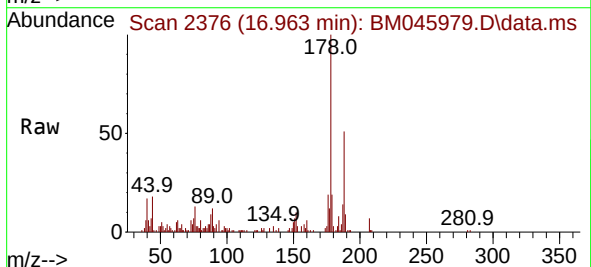
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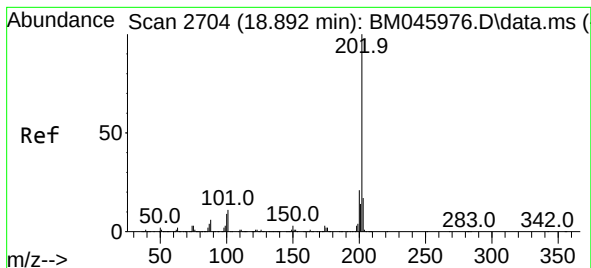
Reviewed By :Jagrut Upadhyay 06/12/2024  
Supervised By :mohammad ahmed 06/13/2024



#74  
Anthracene  
Concen: 1.125 ng/ul m  
RT: 16.963 min Scan# 2376  
Delta R.T. 0.000 min  
Lab File: BM045979.D  
Acq: 11 Jun 2024 17:02

Tgt Ion:178 Resp: 31637  
Ion Ratio Lower Upper  
178 100  
179 18.5 12.0 18.0#  
176 18.9 15.0 22.6





#80

Fluoranthene

Concen: 7.407 ng/ul

RT: 18.892 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

Instrument :

BNA\_M

ClientSampleId :

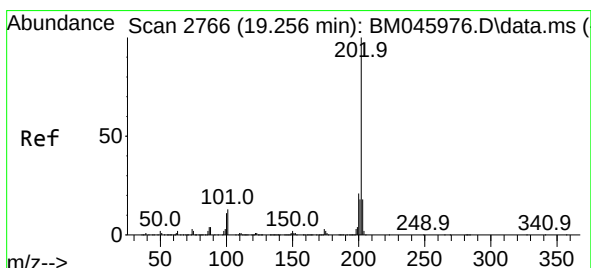
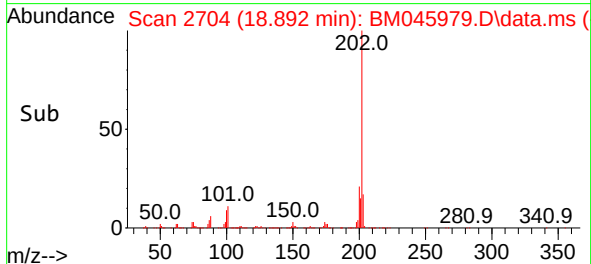
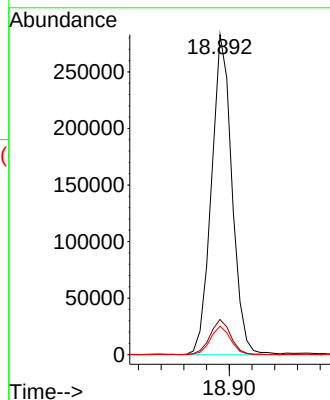
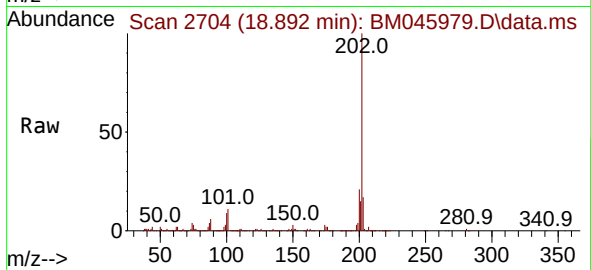
A4B32

Tgt Ion:202 Resp: 35466  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 8.9 13.3  
 100 8.9 6.6 10.0

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#82

Pyrene

Concen: 5.737 ng/ul

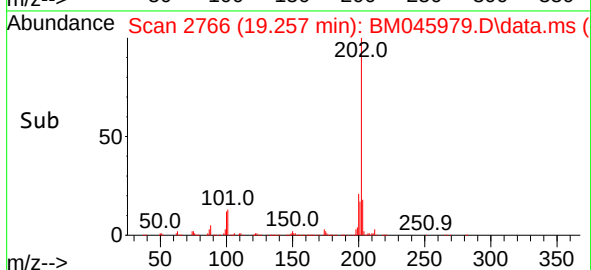
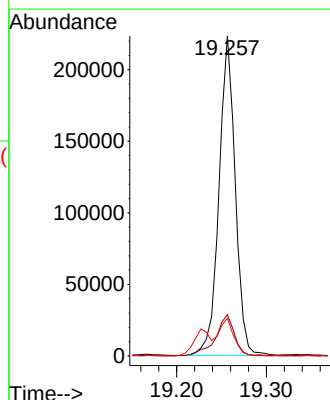
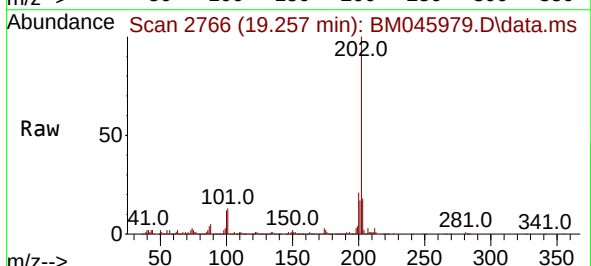
RT: 19.257 min Scan# 2766

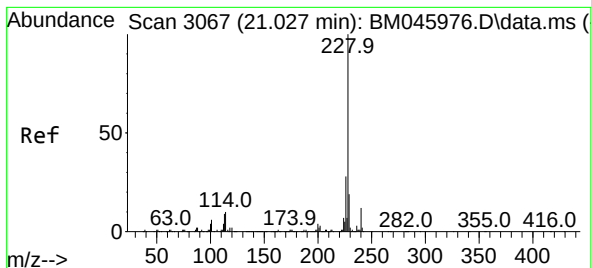
Delta R.T. 0.000 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

Tgt Ion:202 Resp: 282261  
 Ion Ratio Lower Upper  
 202 100  
 101 12.9 10.5 15.7  
 100 11.7 8.6 12.8





#85

Benzo(a)anthracene

Concen: 4.001 ng/ul

RT: 21.027 min Scan# 3067

Delta R.T. 0.000 min

Lab File: BM045979.D

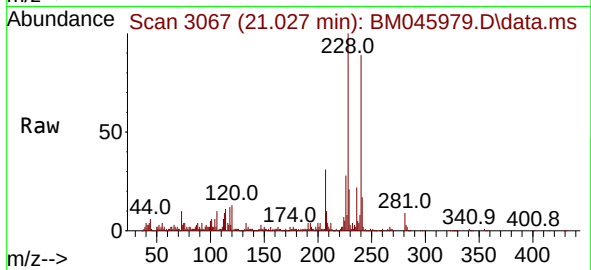
Acq: 11 Jun 2024 17:02

Instrument :

BNA\_M

ClientSampleId :

A4B32



Tgt Ion:228 Resp: 17547

Ion Ratio Lower Upper

228 100

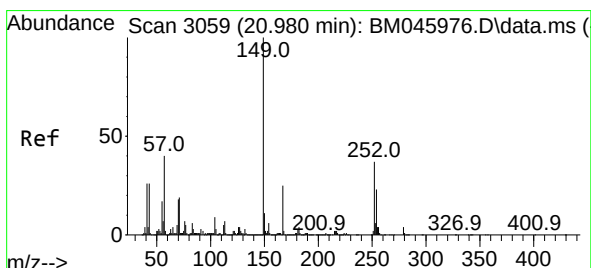
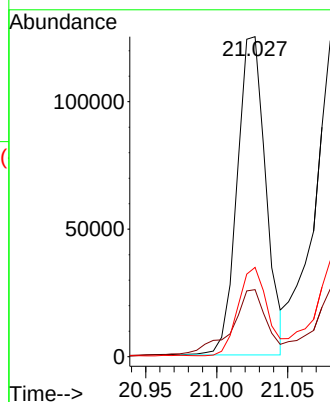
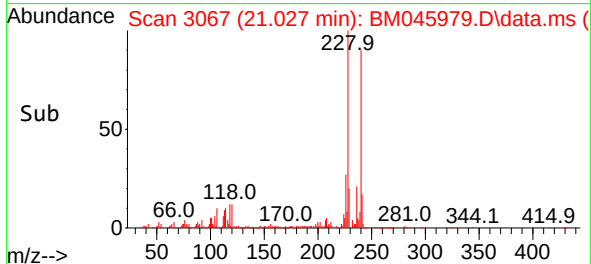
229 21.0 15.8 23.8

226 27.9 21.4 32.0

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.421 ng/ul

RT: 20.980 min Scan# 3059

Delta R.T. 0.000 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

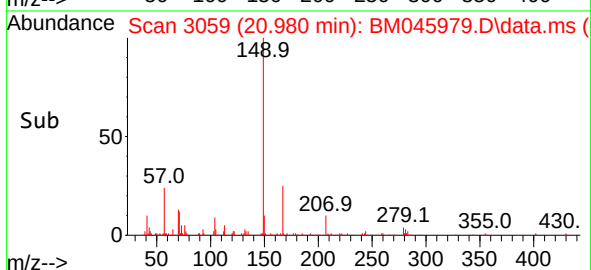
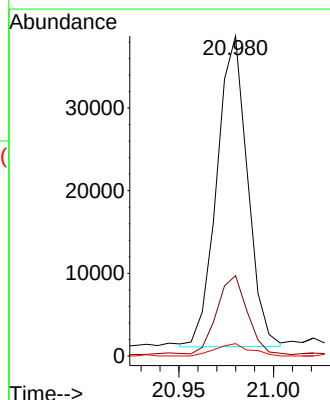
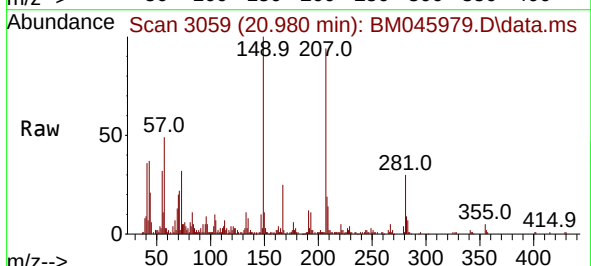
Tgt Ion:149 Resp: 42325

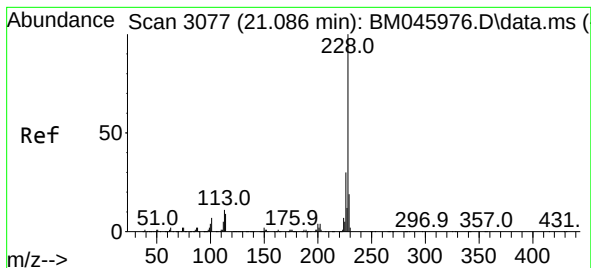
Ion Ratio Lower Upper

149 100

167 25.1 20.4 30.6

279 3.9 3.1 4.7





#87

Chrysene

Concen: 4.685 ng/ul

RT: 21.080 min Scan# 3077

Delta R.T. -0.006 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

Instrument :

BNA\_M

ClientSampleId :

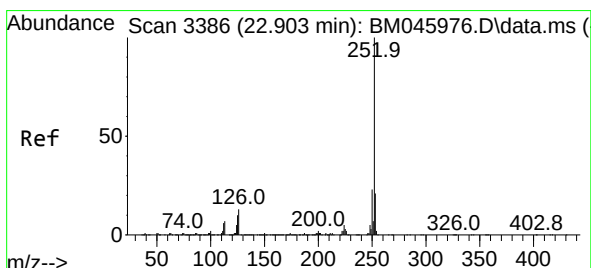
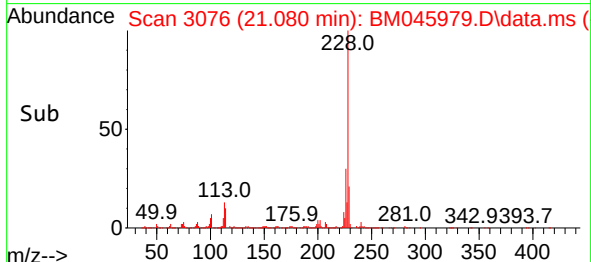
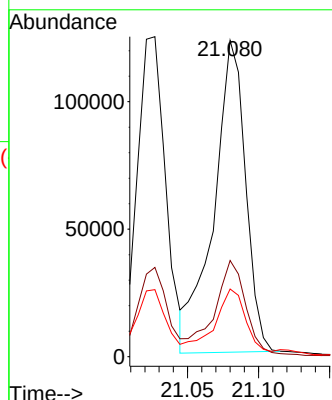
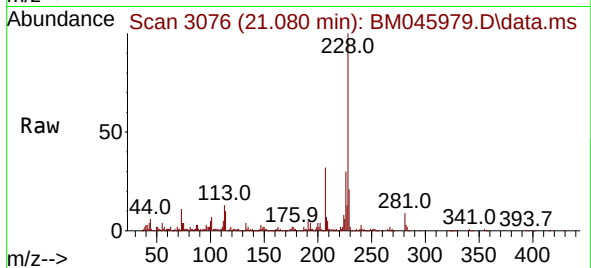
A4B32

Tgt Ion:228 Resp: 190080  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 24.2 36.2  
 229 21.4 15.2 22.8

Manual Integrations

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 Supervised By :mohammad ahmed 06/13/2024



#90

Benzo(b)fluoranthene

Concen: 5.773 ng/ul

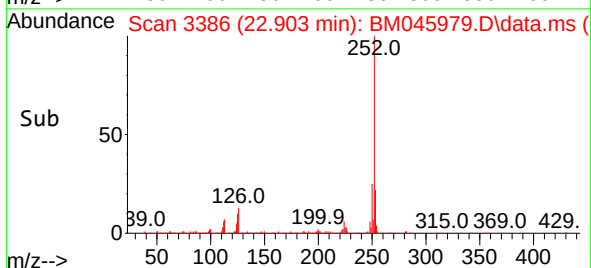
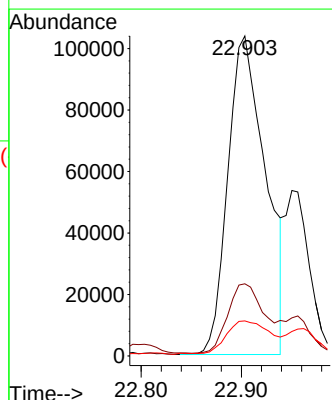
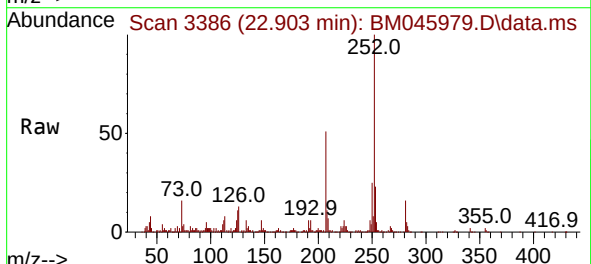
RT: 22.903 min Scan# 3386

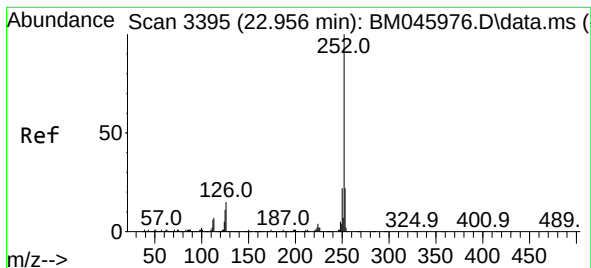
Delta R.T. 0.000 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

Tgt Ion:252 Resp: 271545  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 17.8 26.6  
 125 10.9 8.4 12.6





#91

Benzo(k)fluoranthene

Concen: 2.000 ng/ul m

RT: 22.950 min Scan# 3395

Delta R.T. -0.006 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

Instrument :

BNA\_M

ClientSampleId :

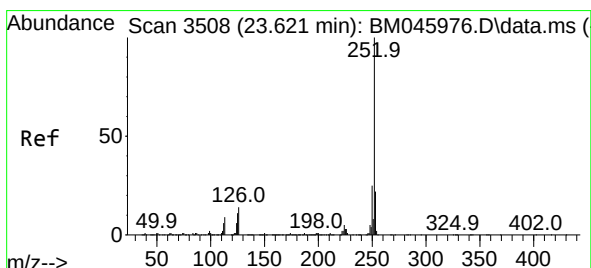
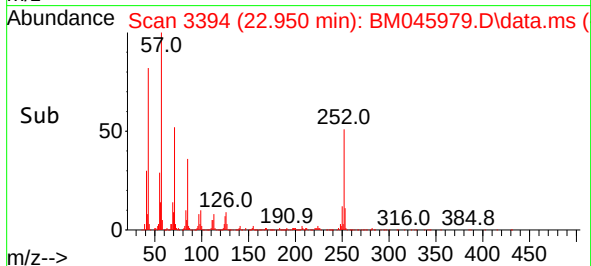
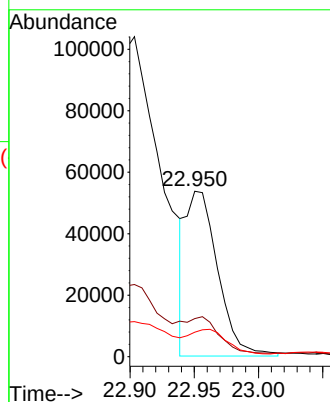
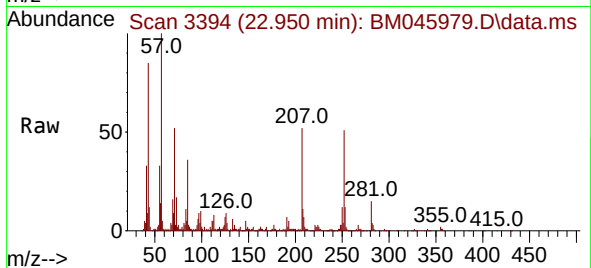
A4B32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 91892     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.0  | 16.8 25.2 |
| 125         | 14.8  | 8.2 12.4  |

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 2.689 ng/ul

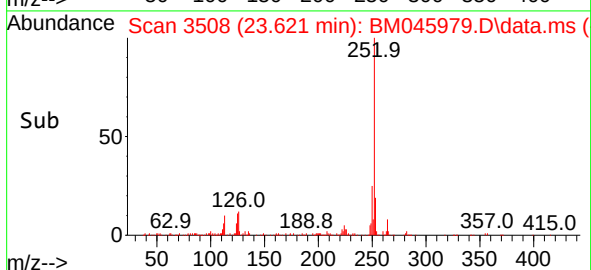
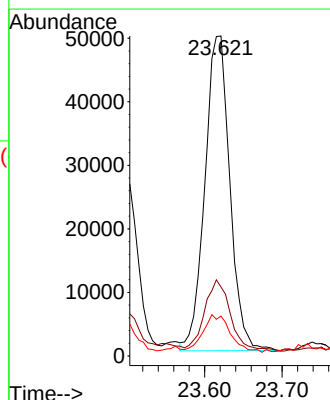
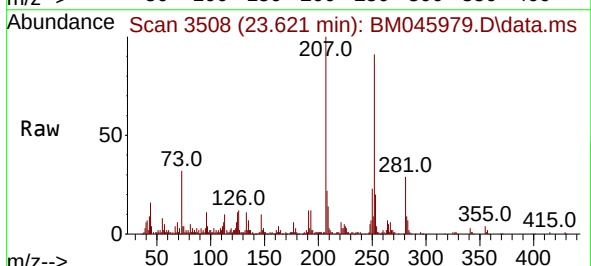
RT: 23.621 min Scan# 3508

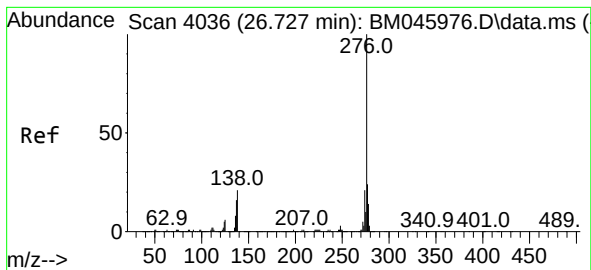
Delta R.T. 0.000 min

Lab File: BM045979.D

Acq: 11 Jun 2024 17:02

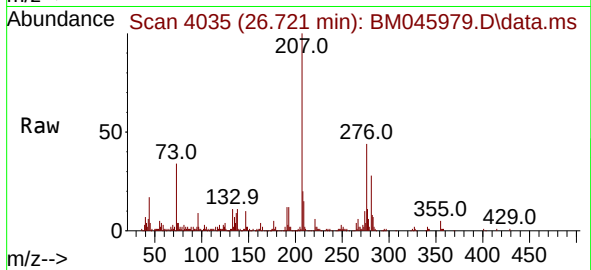
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 111168    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.6  | 17.5 26.3 |
| 125         | 12.4  | 9.3 13.9  |





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.980 ng/ul  
 RT: 26.721 min Scan# 4035  
 Delta R.T. -0.006 min  
 Lab File: BM045979.D  
 Acq: 11 Jun 2024 17:02

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4B32



Tgt Ion:276 Resp: 89398  
 Ion Ratio Lower Upper  
 276 100  
 138 25.5 17.9 26.9  
 277 25.0 19.0 28.6

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