

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
 Data File : BP021100.D  
 Acq On : 23 Jul 2024 15:45  
 Operator : MA/JU  
 Sample : P3238-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BF6

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 00:40:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 00:21:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.669  | 152  | 158556   | 20.000 | ng/u1  | 0.01     |
| 20) Naphthalene-d8            | 10.440 | 136  | 643263   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.304 | 164  | 428071   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.122 | 188  | 936734   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.568 | 240  | 913775   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.909 | 264  | 1129378  | 20.000 | ng/u1  | 0.01     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 10192    | 2.925  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 19106    | 1.894  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.881  | 99   | 224763   | 17.388 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.010  | 67   | 131657   | 16.806 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 190266   | 17.865 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 167886   | 15.637 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.822  | 128  | 88021    | 17.617 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.540  | 143  | 104785   | 18.324 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.092 | 165  | 184382   | 17.831 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.598 | 131  | 165451   | 12.078 | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 573158   | 18.419 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 657145   | 18.807 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.610 | 143  | 74973    | 16.933 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.316 | 176  | 511555   | 20.038 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 200  | 73502    | 12.968 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.222 | 188  | 813949   | 19.564 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 926246   | 16.396 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.680 | 264  | 785525   | 14.103 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.375 | 153  | 48158    | 1.834  | ng/u1  | 96       |
| 56) Dibenzofuran              | 14.722 | 168  | 38364    | 1.067  | ng/u1  | 95       |
| 61) Fluorene                  | 15.375 | 166  | 55892    | 1.905  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.163 | 178  | 1263114  | 25.993 | ng/u1  | 100      |
| 74) Anthracene                | 17.257 | 178  | 228001   | 4.602  | ng/u1  | 98       |
| 77) Carbazole                 | 17.545 | 167  | 102189   | 2.523  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.257 | 202  | 2024626  | 29.676 | ng/u1  | 99       |
| 82) Pyrene                    | 19.639 | 202  | 1400848  | 20.178 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 902794   | 14.104 | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 69680    | 1.674  | ng/u1  | 99       |
| 87) Chrysene                  | 21.621 | 228  | 1047520  | 17.611 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.856 | 252  | 1112818  | 16.237 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.909 | 252  | 396621m  | 5.799  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.751 | 252  | 449295   | 6.937  | ng/u1  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.715 | 276  | 409129   | 4.902  | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.774 | 278  | 187091m  | 2.707  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

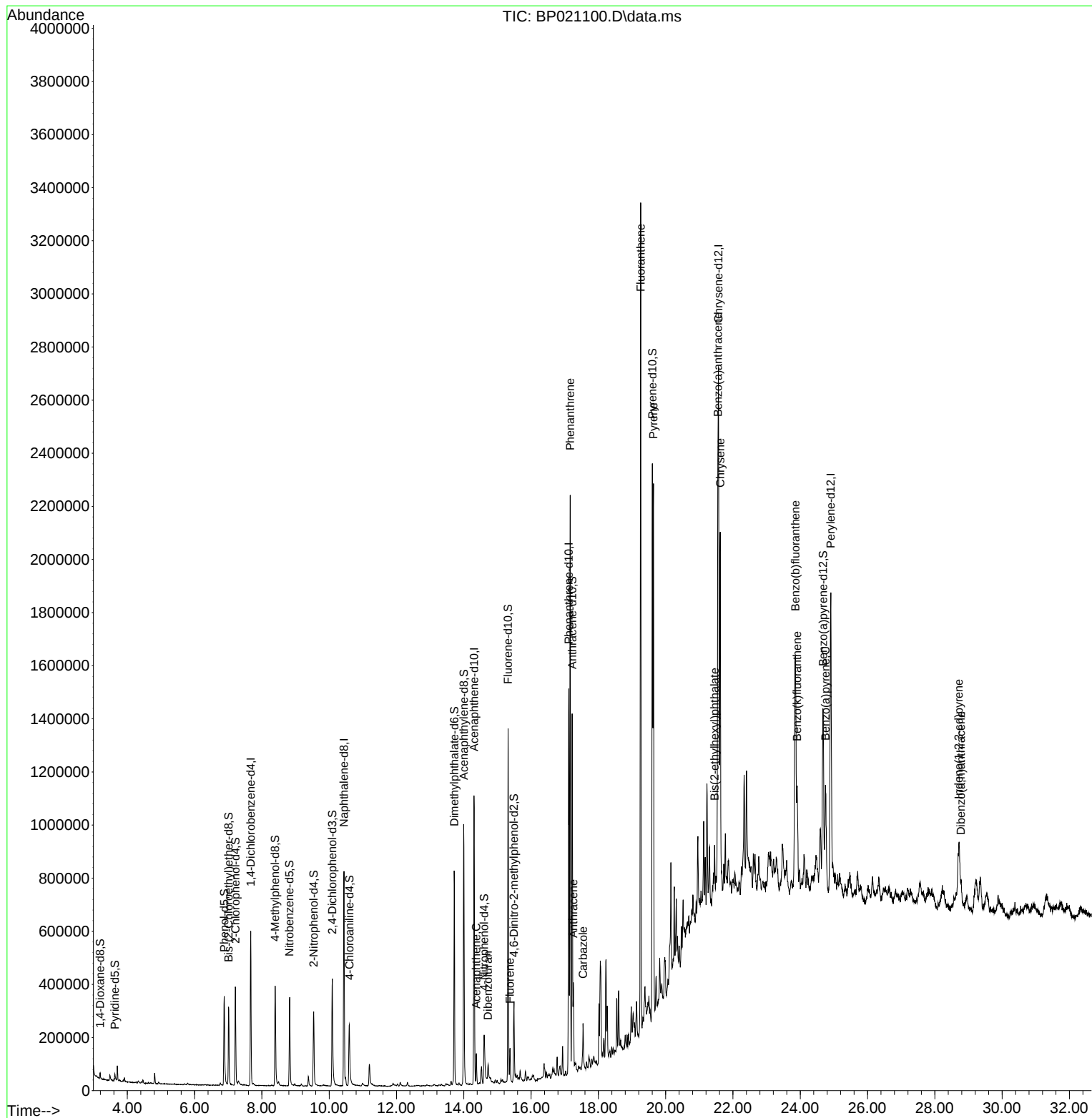
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072324\  
Data File : BP021100.D  
Acq On : 23 Jul 2024 15:45  
Operator : MA/JU  
Sample : P3238-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

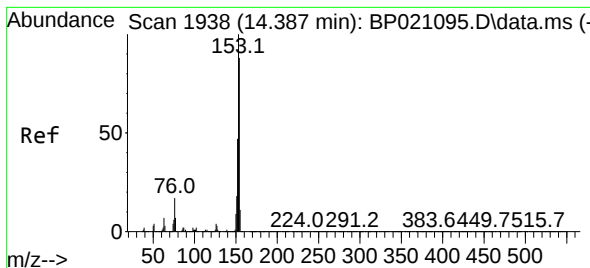
Instrument :  
BNA\_P  
ClientSampleId :  
A4BF6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 00:40:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 00:21:57 2024  
Response via : Initial Calibration





#52

Acenaphthene

Concen: 1.834 ng/ul

RT: 14.375 min Scan# 1936

Delta R.T. -0.000 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Instrument :

BNA\_P

ClientSampleId :

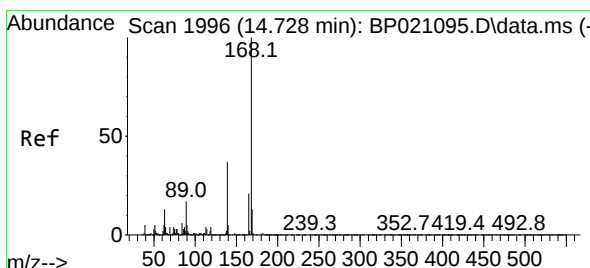
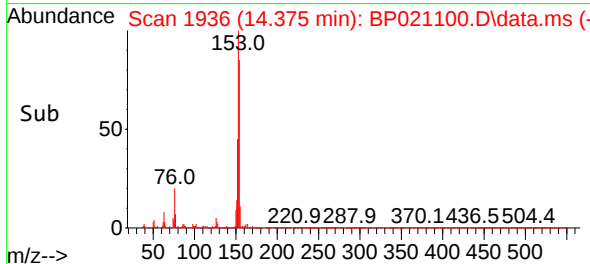
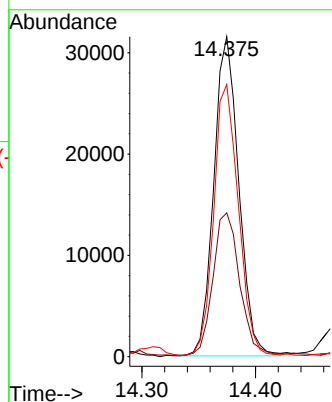
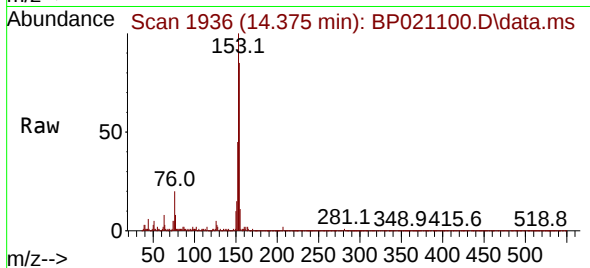
A4BF6

Tgt Ion:153 Resp: 48158  
 Ion Ratio Lower Upper  
 153 100  
 152 45.0 37.8 56.6  
 154 85.1 71.8 107.6

Manual Integrations

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#56

Dibenzofuran

Concen: 1.067 ng/ul

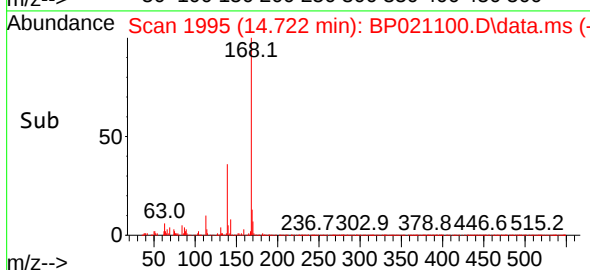
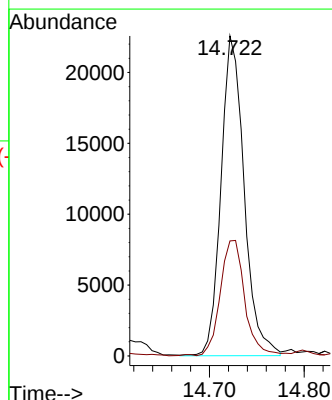
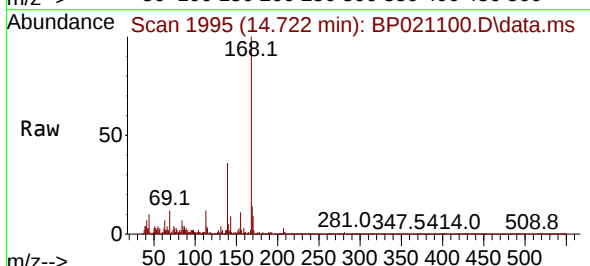
RT: 14.722 min Scan# 1995

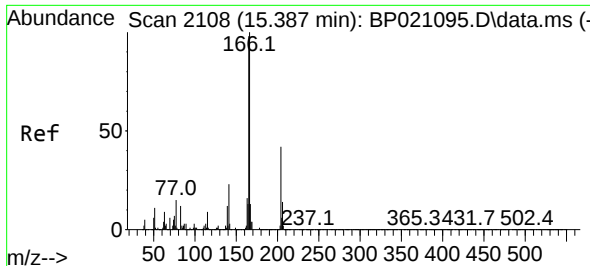
Delta R.T. 0.011 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Tgt Ion:168 Resp: 38364  
 Ion Ratio Lower Upper  
 168 100  
 139 36.0 31.1 46.7





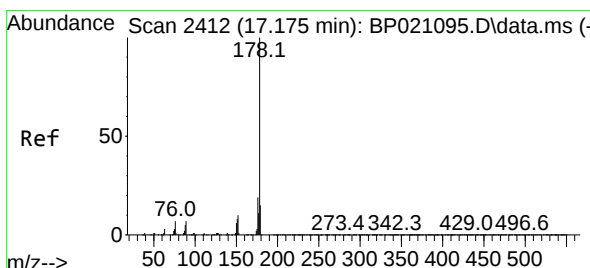
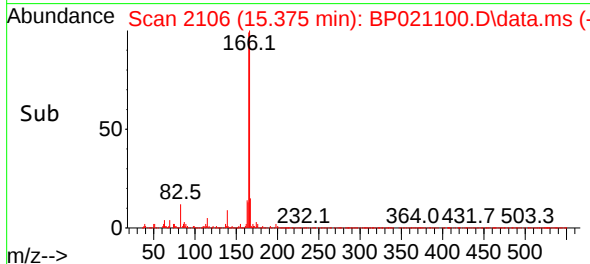
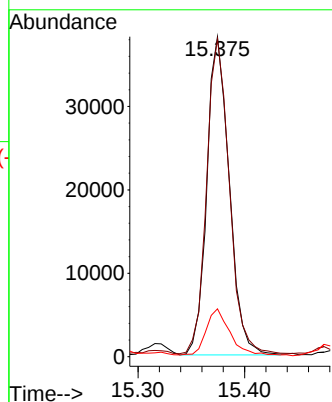
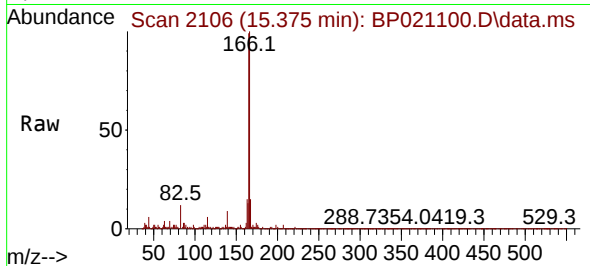
#61  
Fluorene  
Concen: 1.905 ng/ul  
RT: 15.375 min Scan# 2108  
Delta R.T. -0.006 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

Instrument :  
BNA\_P  
ClientSampleId :  
A4BF6

Tgt Ion:166 Resp: 55892  
Ion Ratio Lower Upper  
166 100  
165 99.4 78.1 117.1  
167 14.9 10.9 16.3

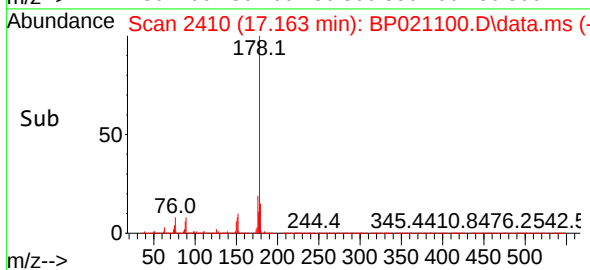
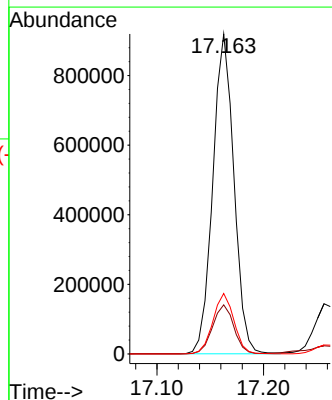
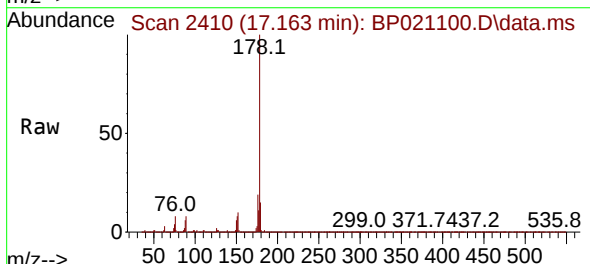
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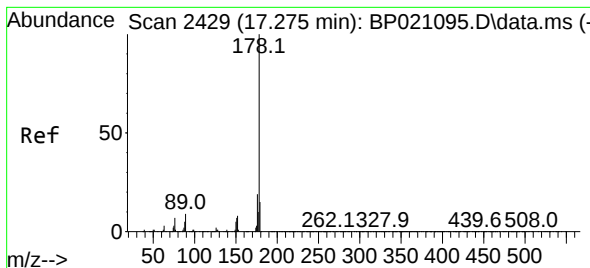
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



#72  
Phenanthrene  
Concen: 25.993 ng/ul  
RT: 17.163 min Scan# 2410  
Delta R.T. -0.006 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

Tgt Ion:178 Resp: 1263114  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.2 18.4  
176 18.9 15.0 22.4





#74

Anthracene

Concen: 4.602 ng/u1

RT: 17.257 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Instrument :

BNA\_P

ClientSampleId :

A4BF6

Tgt Ion:178 Resp: 22800

Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

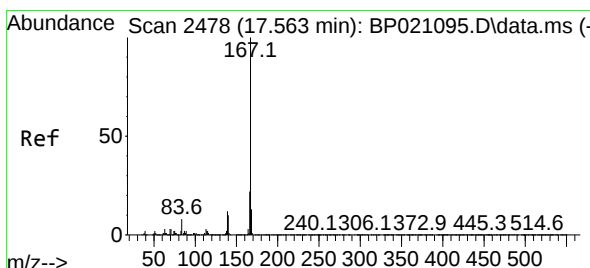
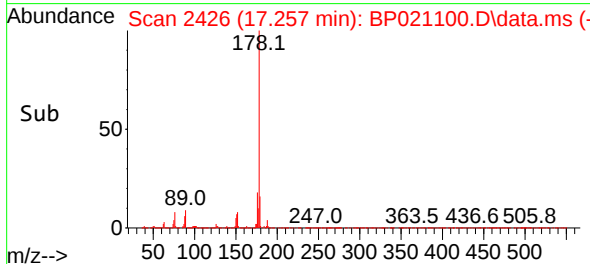
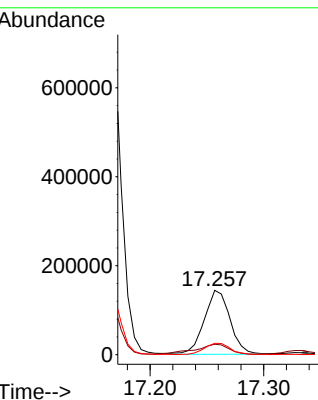
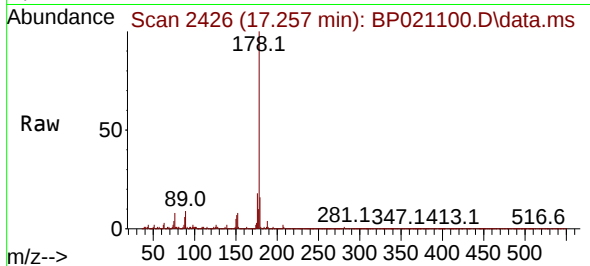
176 17.8 14.8 22.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/25/2024



#77

Carbazole

Concen: 2.523 ng/u1

RT: 17.545 min Scan# 2475

Delta R.T. -0.018 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

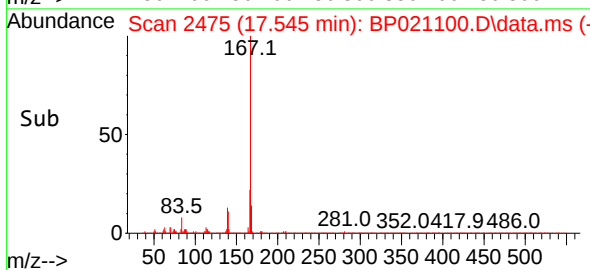
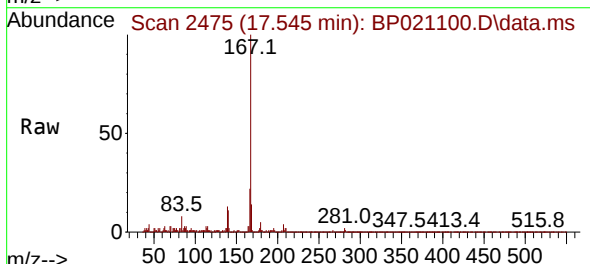
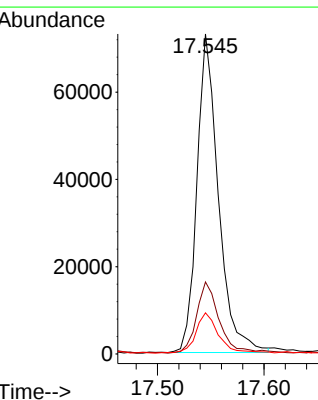
Tgt Ion:167 Resp: 102189

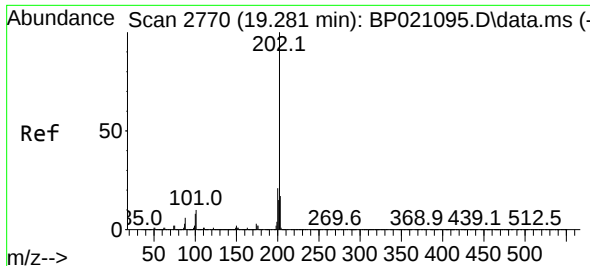
Ion Ratio Lower Upper

167 100

166 22.5 17.3 25.9

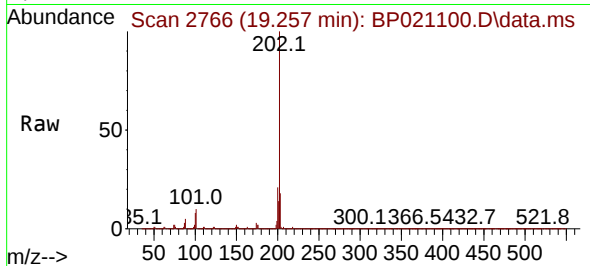
139 12.9 10.2 15.2





#80  
Fluoranthene  
Concen: 29.676 ng/u1  
RT: 19.257 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

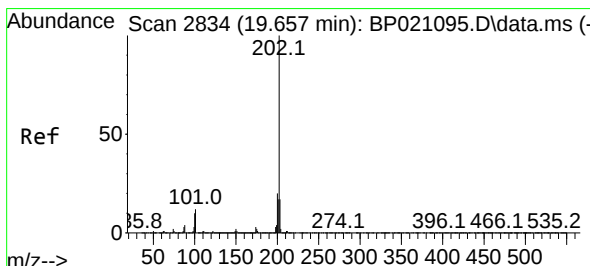
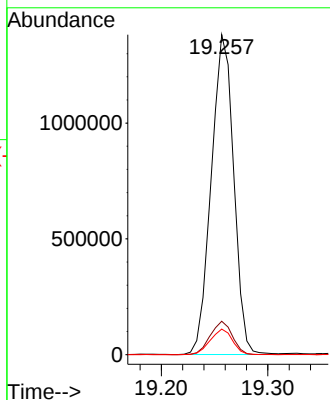
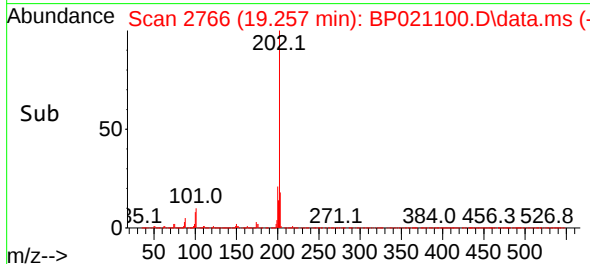
Instrument :  
BNA\_P  
ClientSampleId :  
A4BF6



Tgt Ion:202 Resp: 2024620  
Ion Ratio Lower Upper  
202 100  
101 10.5 8.0 12.0  
100 8.0 6.1 9.1

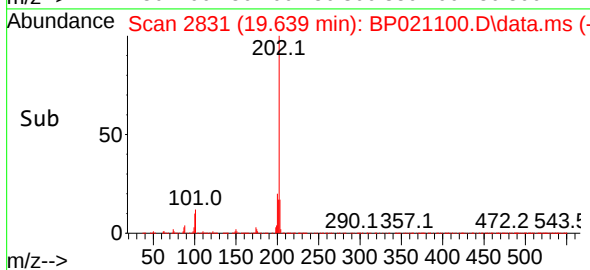
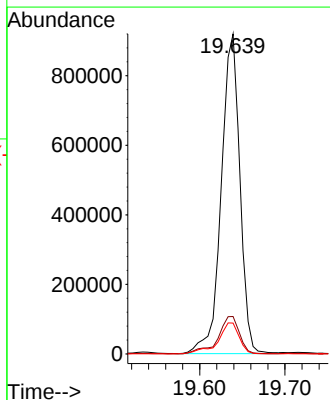
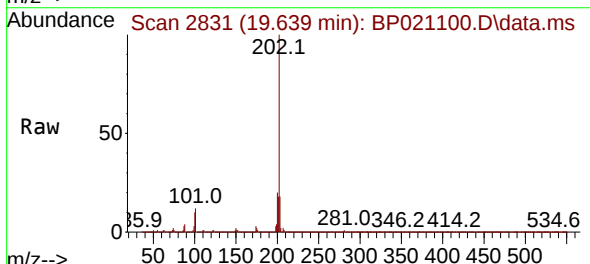
Manual Integrations  
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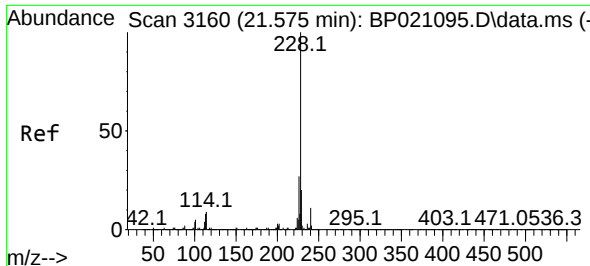
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



#82  
Pyrene  
Concen: 20.178 ng/u1  
RT: 19.639 min Scan# 2831  
Delta R.T. -0.000 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

Tgt Ion:202 Resp: 1400848  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.4 14.2  
100 9.7 7.8 11.6





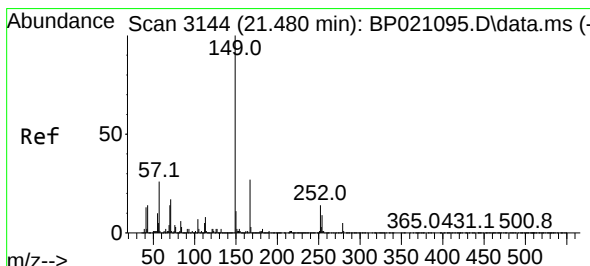
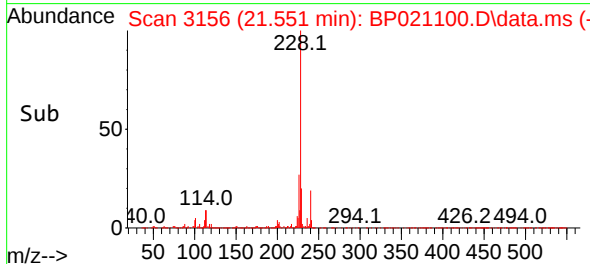
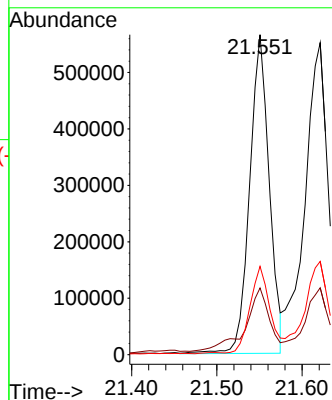
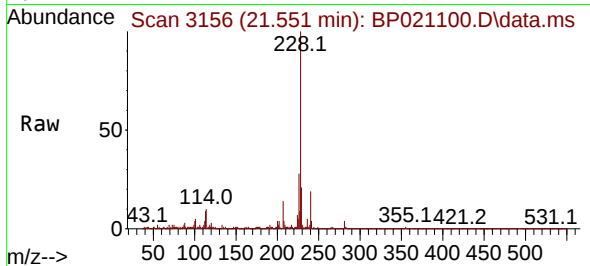
#85  
Benzo(a)anthracene  
Concen: 14.104 ng/ul  
RT: 21.551 min Scan# 3160  
Delta R.T. -0.000 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

Instrument :  
BNA\_P  
ClientSampleId :  
A4BF6

Tgt Ion:228 Resp: 902794  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.5 23.3  
226 27.6 21.4 32.2

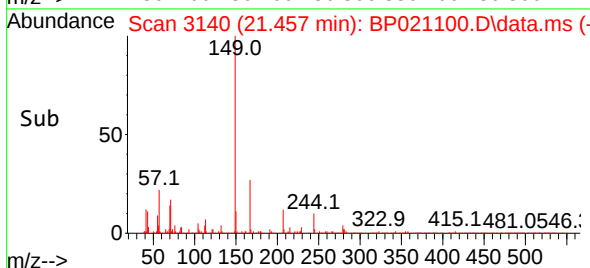
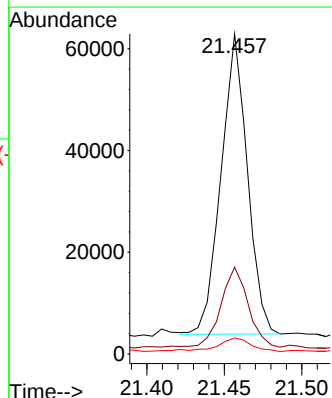
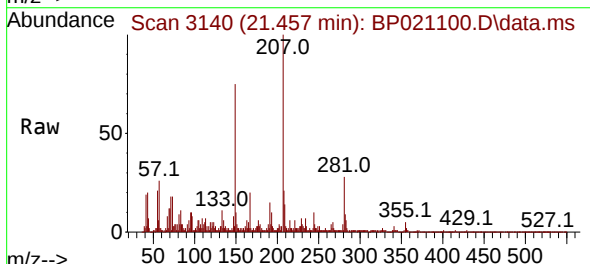
Manual Integrations  
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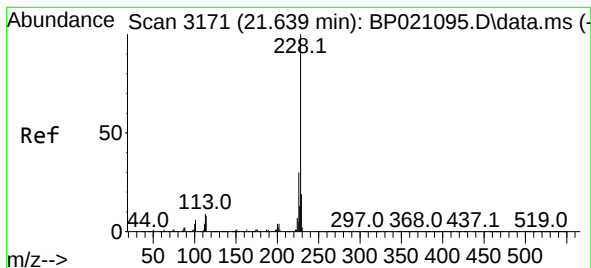
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.674 ng/ul  
RT: 21.457 min Scan# 3140  
Delta R.T. -0.018 min  
Lab File: BP021100.D  
Acq: 23 Jul 2024 15:45

Tgt Ion:149 Resp: 69680  
Ion Ratio Lower Upper  
149 100  
167 27.2 22.1 33.1  
279 5.0 3.7 5.5





#87

Chrysene

Concen: 17.611 ng/ul

RT: 21.621 min Scan# 3171

Delta R.T. -0.000 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Instrument :

BNA\_P

ClientSampleId :

A4BF6

Tgt Ion:228 Resp: 1047520

Ion Ratio Lower Upper

228 100

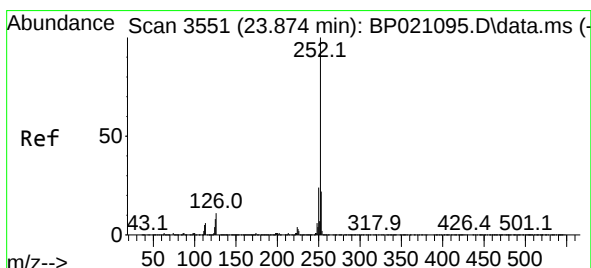
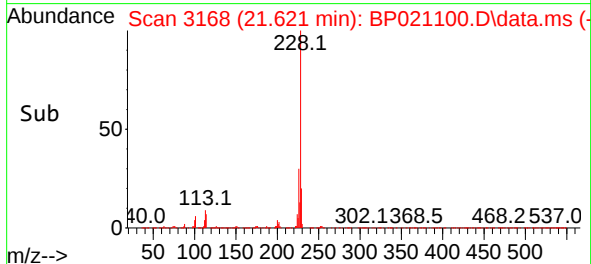
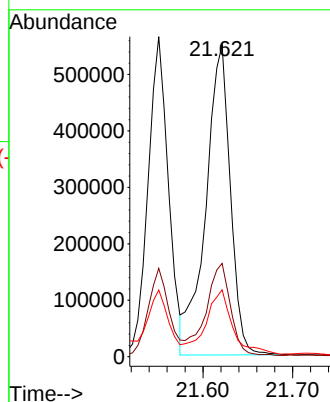
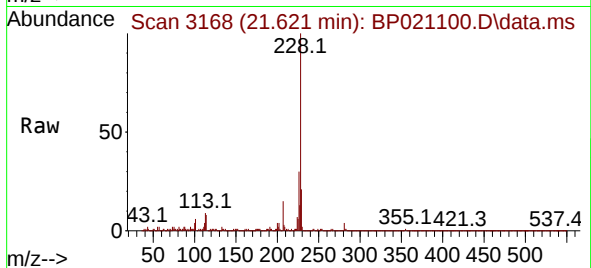
226 29.9 23.6 35.4

229 21.4 15.5 23.3

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 16.237 ng/ul

RT: 23.856 min Scan# 3548

Delta R.T. -0.000 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

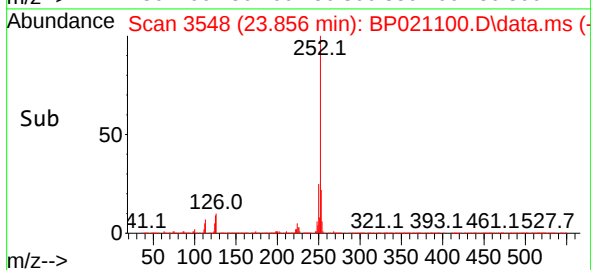
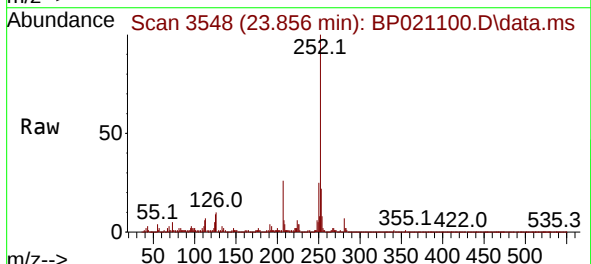
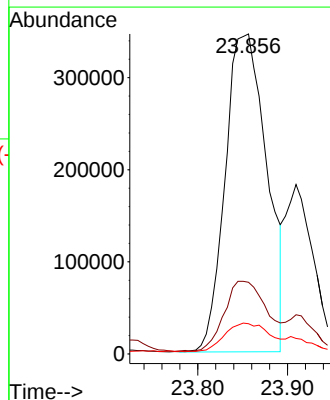
Tgt Ion:252 Resp: 1112818

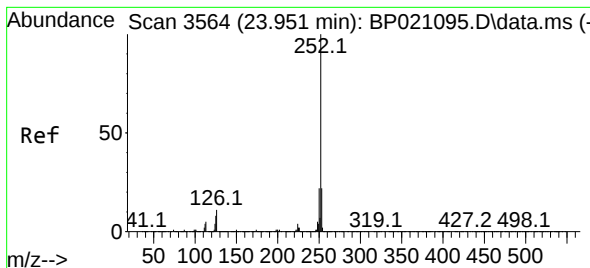
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 9.5 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 5.799 ng/ul m

RT: 23.909 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Instrument :

BNA\_P

ClientSampleId :

A4BF6

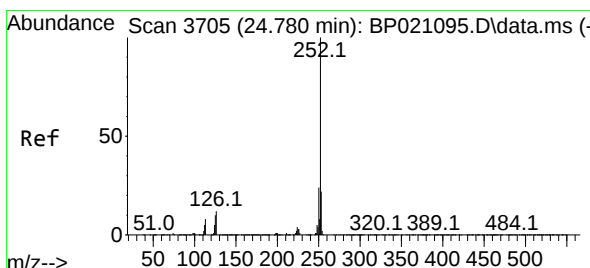
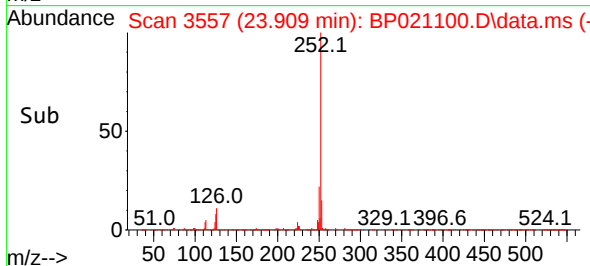
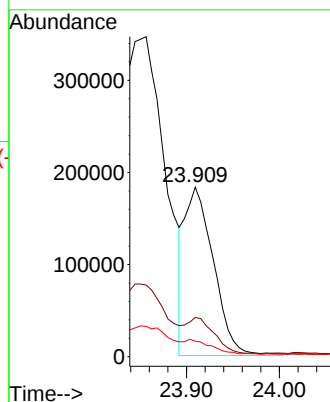
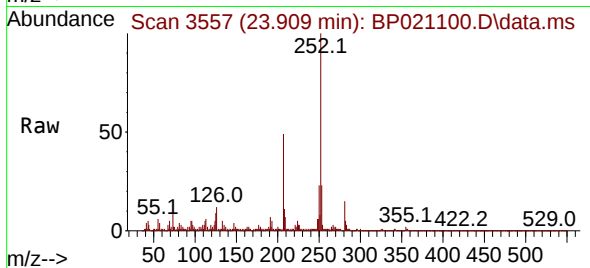
Tgt Ion:252 Resp: 39662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.2  | 17.4  | 26.2  |
| 125 | 9.2   | 7.4   | 11.0  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



#93

Benzo(a)pyrene

Concen: 6.937 ng/ul

RT: 24.751 min Scan# 3700

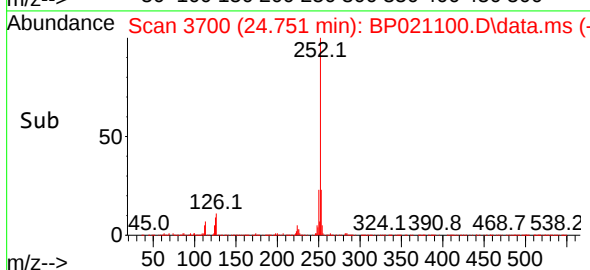
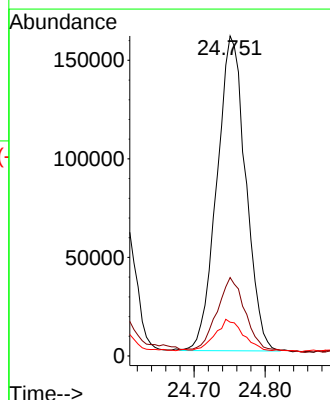
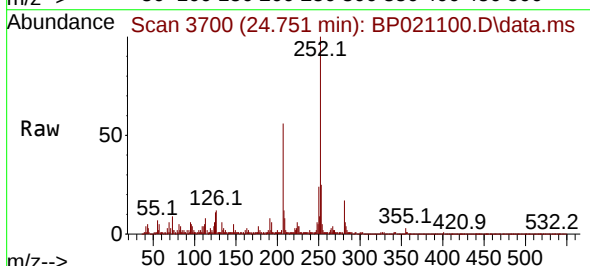
Delta R.T. 0.006 min

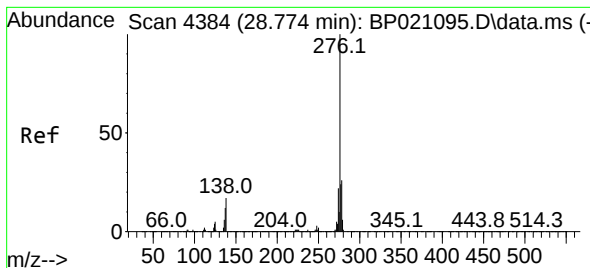
Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Tgt Ion:252 Resp: 449295

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.5  | 17.4  | 26.0  |
| 125 | 10.6  | 7.7   | 11.5  |





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.902 ng/ul

RT: 28.715 min Scan# 4374

Delta R.T. 0.029 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Instrument :

BNA\_P

ClientSampleId :

A4BF6

Tgt Ion:276 Resp: 409129

Ion Ratio Lower Upper

276 100

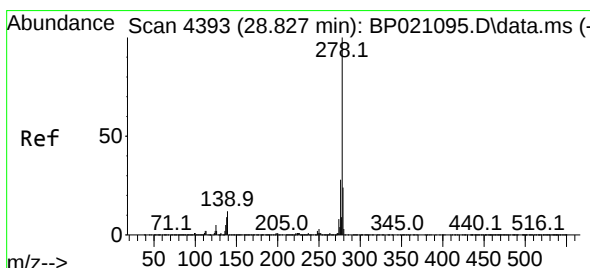
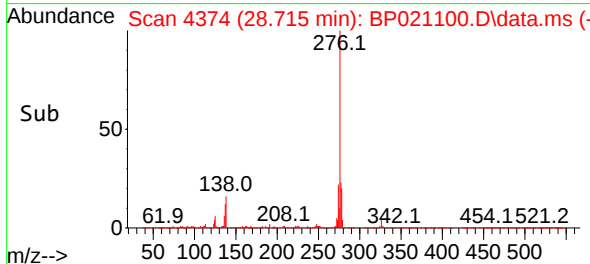
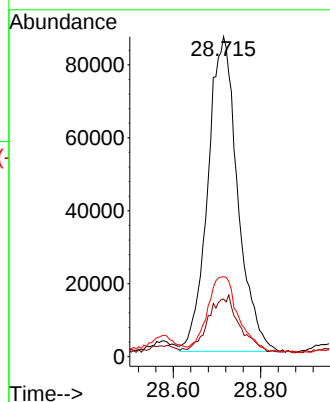
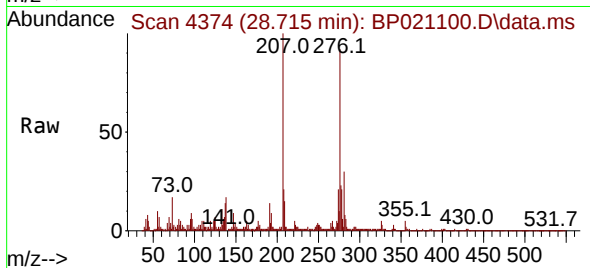
138 18.1 14.3 21.5

277 25.0 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.707 ng/ul m

RT: 28.774 min Scan# 4384

Delta R.T. 0.011 min

Lab File: BP021100.D

Acq: 23 Jul 2024 15:45

Tgt Ion:278 Resp: 187091

Ion Ratio Lower Upper

278 100

139 14.4 10.9 16.3

279 29.5 19.4 29.0#

