

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062724\  
 Data File : BP020691.D  
 Acq On : 28 Jun 2024 13:22  
 Operator : MA/JU  
 Sample : P2934-05  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4B72

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/28/2024  
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 28 23:32:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 25 18:30:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 197693   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.510 | 136  | 790405   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.375 | 164  | 472567   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 816127   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.657 | 240  | 673379   | 20.000 | ng/u1  | 0.02     |
| 88) Perylene-d12              | 25.027 | 264  | 816937   | 20.000 | ng/u1  | 0.03     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 18667    | 4.055  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 39704    | 2.959  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.928  | 99   | 390294   | 24.071 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.081  | 67   | 245224   | 23.856 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.287  | 132  | 331562   | 25.020 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.440  | 113  | 264402   | 20.078 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.887  | 128  | 164208   | 28.139 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.599  | 143  | 180280   | 30.871 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.140 | 165  | 314188   | 26.119 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.657 | 131  | 89113    | 5.286  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.781 | 166  | 909048   | 27.667 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.063 | 160  | 1041502  | 26.564 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.586 | 143  | 92367    | 18.399 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.381 | 176  | 738052   | 26.694 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 86979    | 21.148 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.275 | 188  | 959585   | 26.198 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.674 | 212  | 905258   | 22.378 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.786 | 264  | 760314   | 19.133 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.557  | 105  | 67135    | 3.192  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.216 | 178  | 282987   | 6.622  | ng/u1  | 99       |
| 74) Anthracene                | 17.316 | 178  | 57734    | 1.313  | ng/u1  | 96       |
| 80) Fluoranthene              | 19.327 | 202  | 488395   | 9.884  | ng/u1  | 99       |
| 82) Pyrene                    | 19.704 | 202  | 379132   | 7.481  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.633 | 228  | 274756   | 5.821  | ng/u1  | 97       |
| 87) Chrysene                  | 21.698 | 228  | 267629   | 5.999  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.957 | 252  | 401898   | 8.121  | ng/u1  | 96       |
| 91) Benzo(k)fluoranthene      | 24.021 | 252  | 145479m  | 2.906  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.857 | 252  | 177553   | 3.800  | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.856 | 276  | 175857m  | 2.935  | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 28.909 | 278  | 57928m   | 1.176  | ng/u1  |          |

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

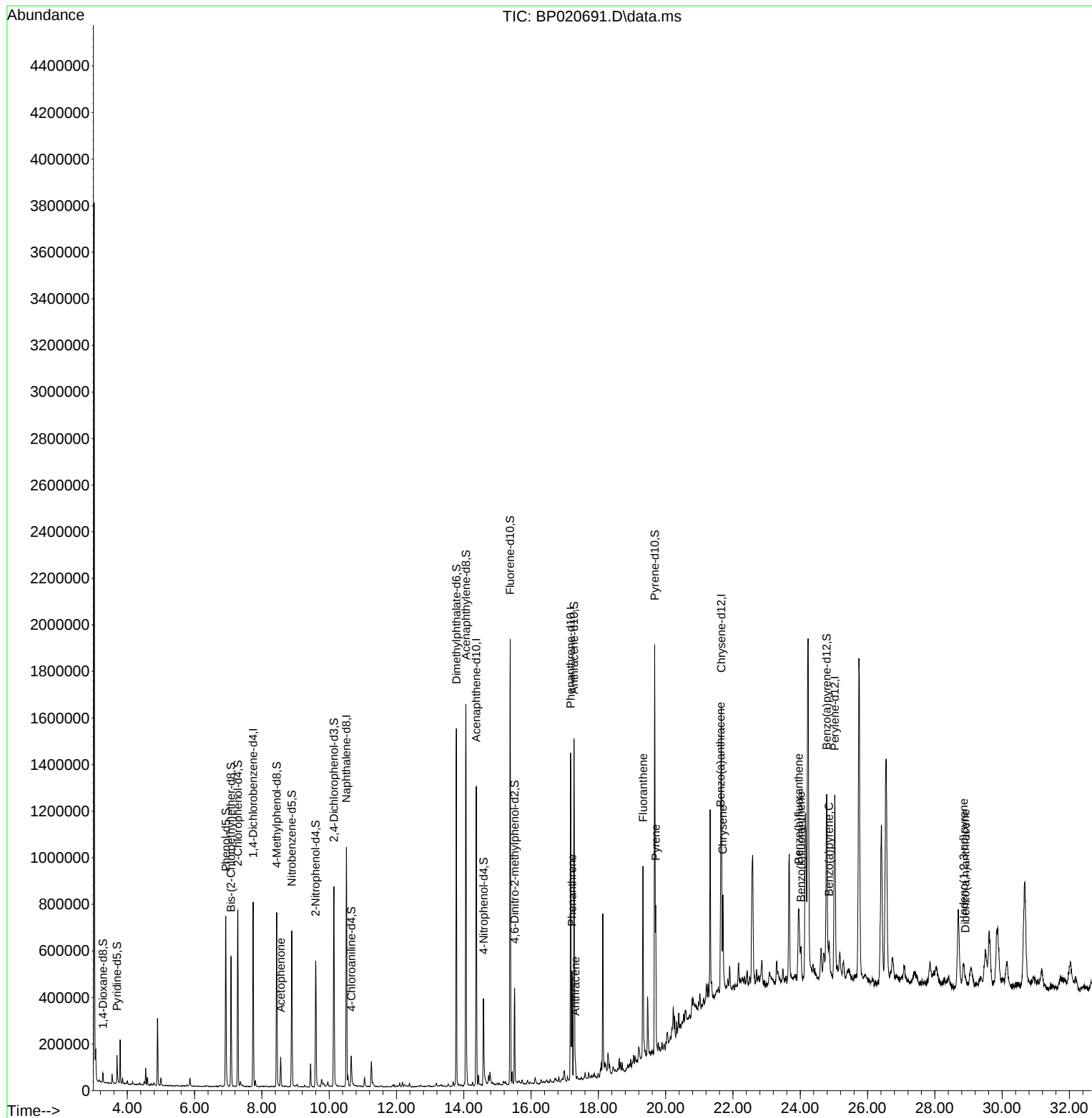
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062724\  
Data File : BP020691.D  
Acq On : 28 Jun 2024 13:22  
Operator : MA/JU  
Sample : P2934-05  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

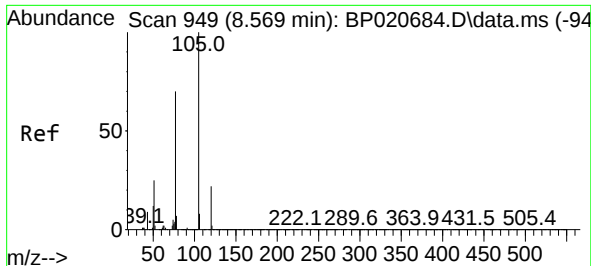
Instrument :  
BNA\_P  
ClientSampleId :  
A4B72

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 28 23:32:13 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 25 18:30:06 2024  
Response via : Initial Calibration





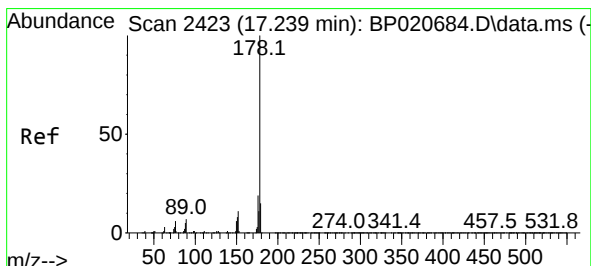
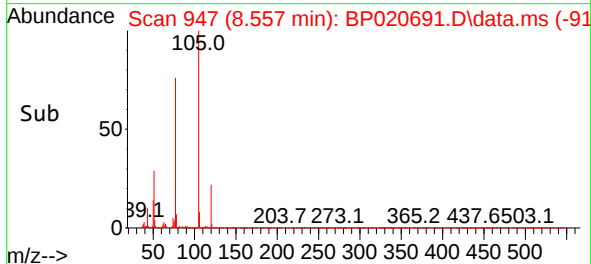
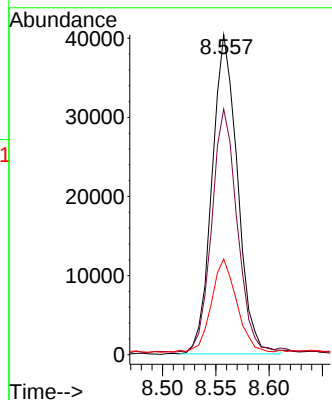
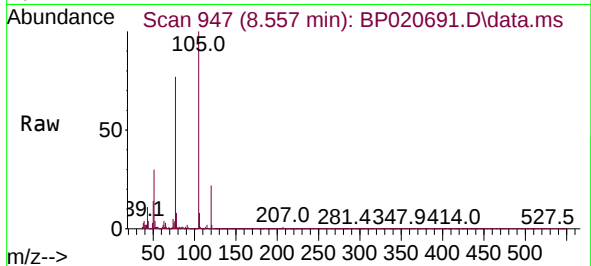
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Acetophenone  
Concen: 3.192 ng/ul  
RT: 8.557 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BP020691.D  
Acq: 28 Jun 2024 13:22

Instrument :  
BNA\_P  
ClientSampleId :  
A4B72

Tgt Ion:105 Resp: 67135  
Ion Ratio Lower Upper  
105 100  
77 76.7 62.2 93.4  
51 29.9 23.6 35.4

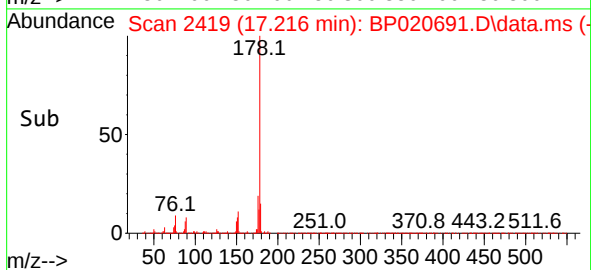
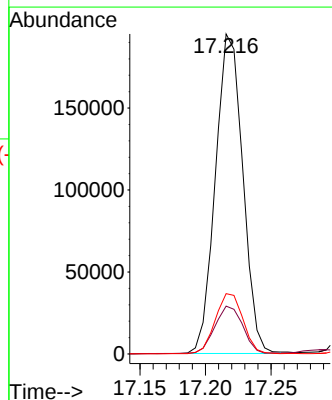
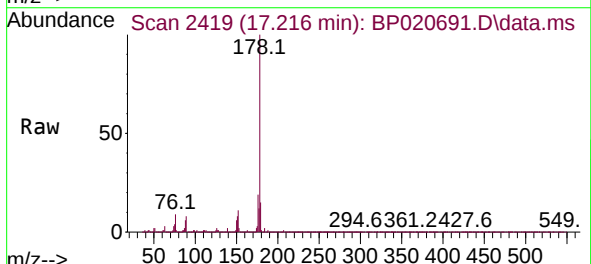
Manual Integrations  
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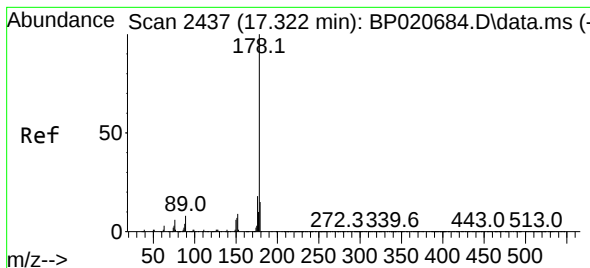
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024



#72  
Phenanthrene  
Concen: 6.622 ng/ul  
RT: 17.216 min Scan# 2419  
Delta R.T. -0.012 min  
Lab File: BP020691.D  
Acq: 28 Jun 2024 13:22

Tgt Ion:178 Resp: 282987  
Ion Ratio Lower Upper  
178 100  
179 15.0 12.4 18.6  
176 18.8 15.4 23.2





#74

Anthracene

Concen: 1.313 ng/ul

RT: 17.316 min Scan# 2437

Delta R.T. -0.000 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

Instrument :

BNA\_P

ClientSampleId :

A4B72

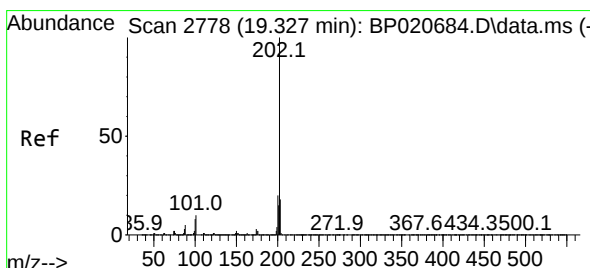
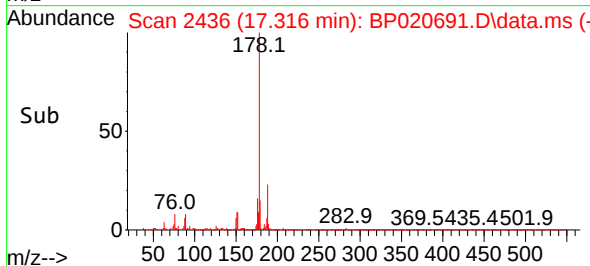
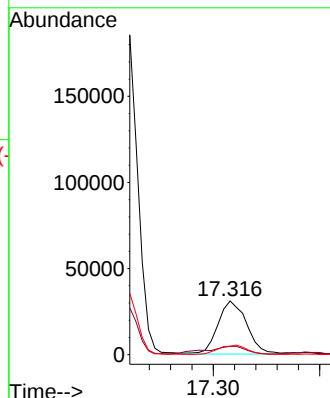
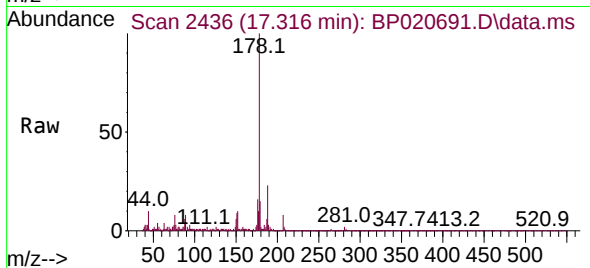
Tgt Ion:178 Resp: 57734  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.1 18.1  
176 15.8 15.0 22.4

Manual Integrations

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#80

Fluoranthene

Concen: 9.884 ng/ul

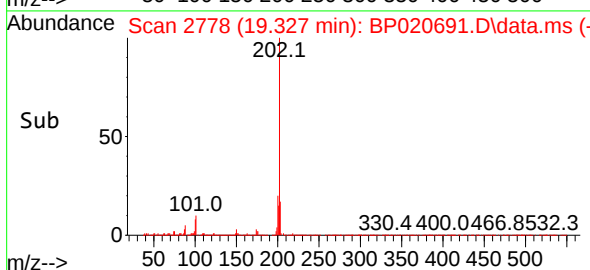
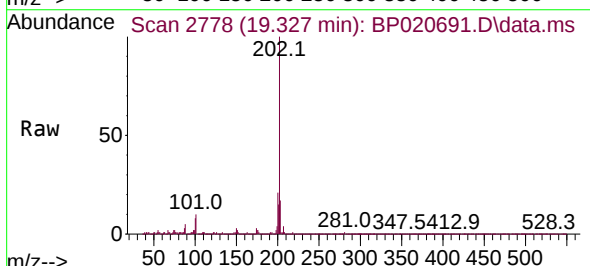
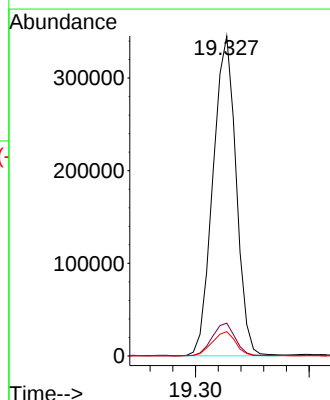
RT: 19.327 min Scan# 2778

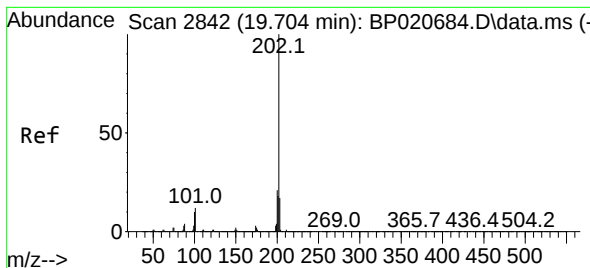
Delta R.T. 0.006 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

Tgt Ion:202 Resp: 488395  
Ion Ratio Lower Upper  
202 100  
101 10.3 8.2 12.4  
100 7.6 6.6 10.0





#82

Pyrene

Concen: 7.481 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

Instrument :

BNA\_P

ClientSampleId :

A4B72

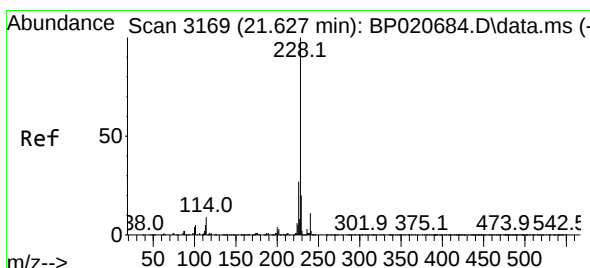
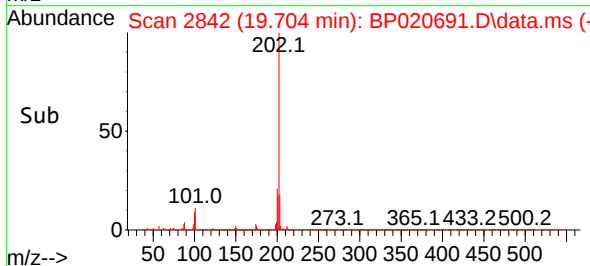
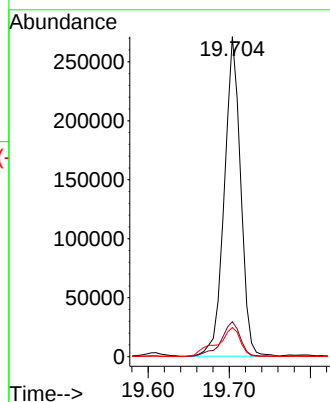
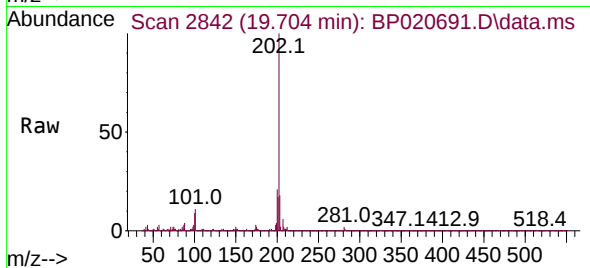
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 37913 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.0  | 9.8   | 14.8  |
| 100       | 9.1   | 7.9   | 11.9  |

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2024



#85

Benzo(a)anthracene

Concen: 5.821 ng/ul

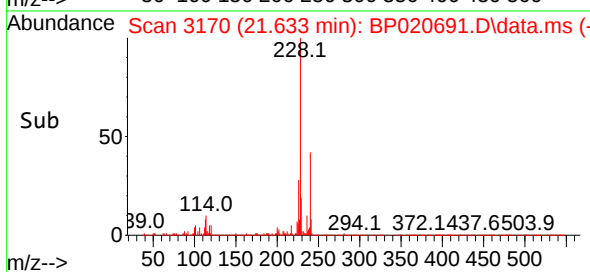
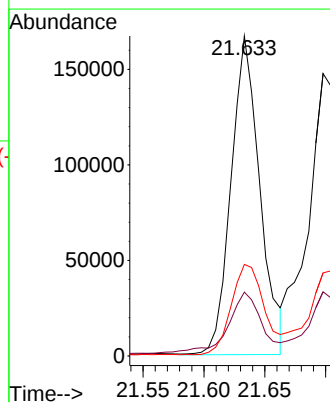
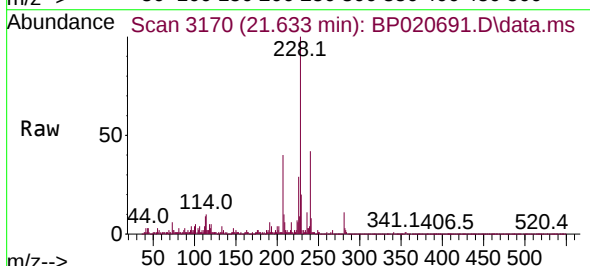
RT: 21.633 min Scan# 3170

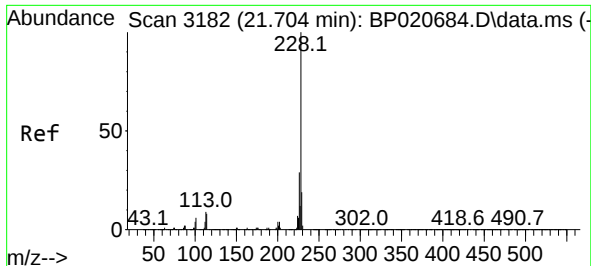
Delta R.T. 0.012 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 274756 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 19.9  | 15.2  | 22.8   |
| 226       | 28.6  | 21.1  | 31.7   |





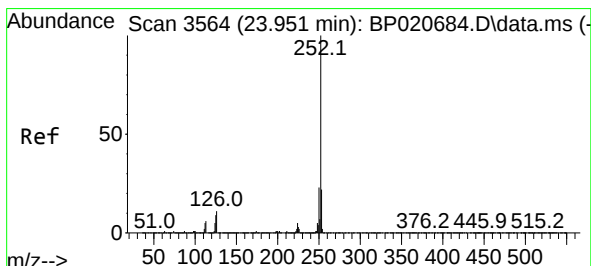
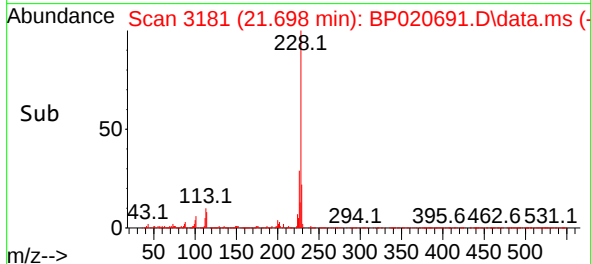
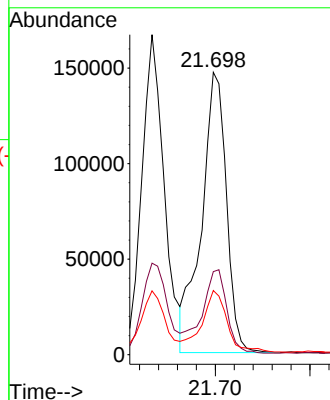
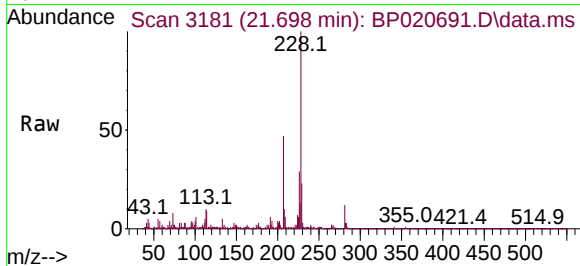
#87  
Chrysene  
Concen: 5.999 ng/u1  
RT: 21.698 min Scan# 3182  
Delta R.T. 0.006 min  
Lab File: BP020691.D  
Acq: 28 Jun 2024 13:22

Instrument :  
BNA\_P  
ClientSampleId :  
A4B72

Tgt Ion:228 Resp: 267629  
Ion Ratio Lower Upper  
228 100  
226 29.4 23.8 35.6  
229 22.7 16.1 24.1

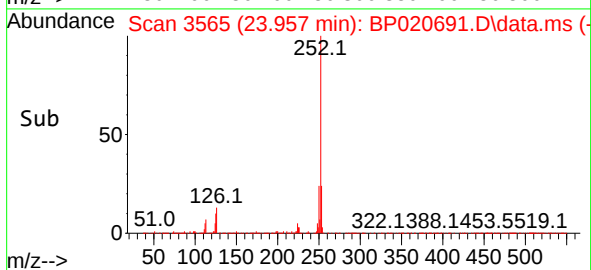
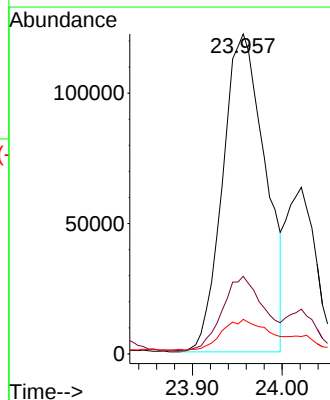
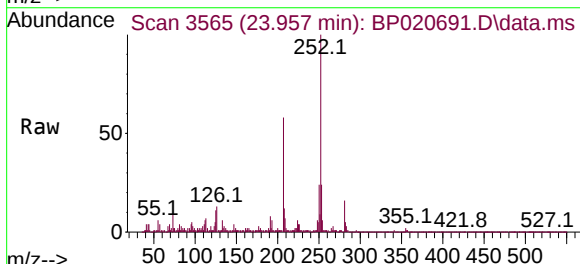
Manual Integrations  
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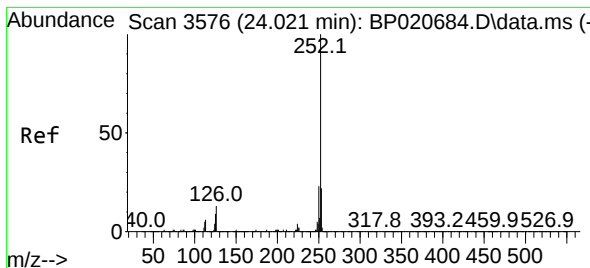
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024



#90  
Benzo(b)fluoranthene  
Concen: 8.121 ng/u1  
RT: 23.957 min Scan# 3565  
Delta R.T. 0.018 min  
Lab File: BP020691.D  
Acq: 28 Jun 2024 13:22

Tgt Ion:252 Resp: 401898  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.5 26.3  
125 10.8 7.9 11.9





#91

Benzo(k)fluoranthene

Concen: 2.906 ng/ul m

RT: 24.021 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

Instrument :

BNA\_P

ClientSampleId :

A4B72

Tgt Ion:252 Resp: 145479

Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4

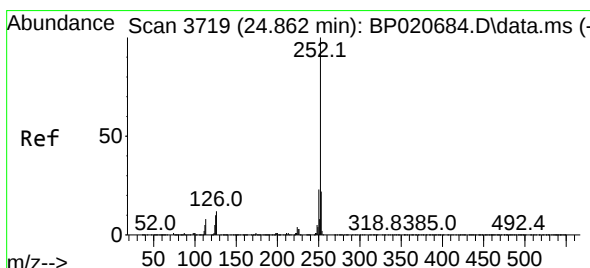
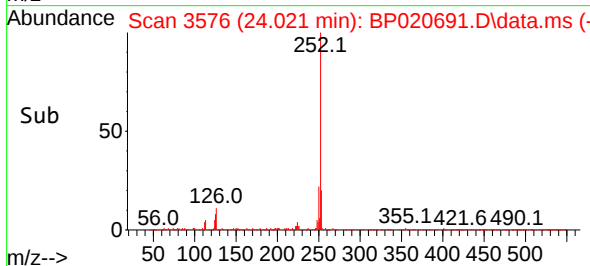
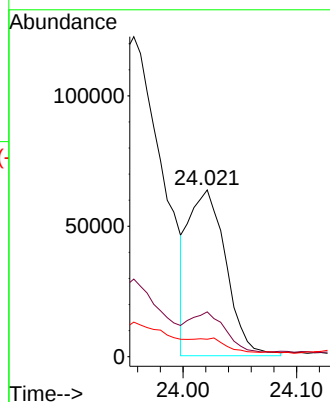
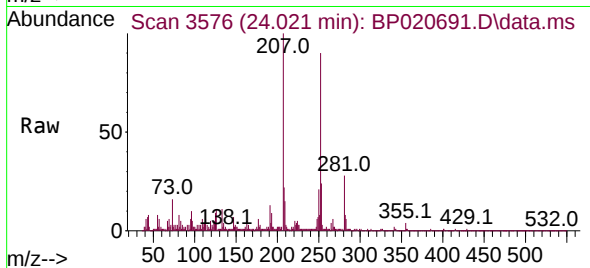
125 10.5 7.9 11.9

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2024



#93

Benzo(a)pyrene

Concen: 3.800 ng/ul

RT: 24.857 min Scan# 3718

Delta R.T. 0.012 min

Lab File: BP020691.D

Acq: 28 Jun 2024 13:22

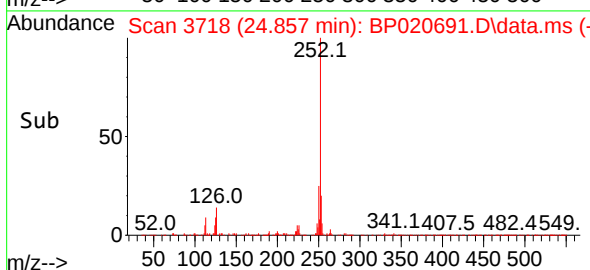
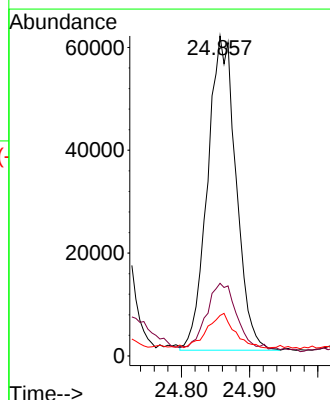
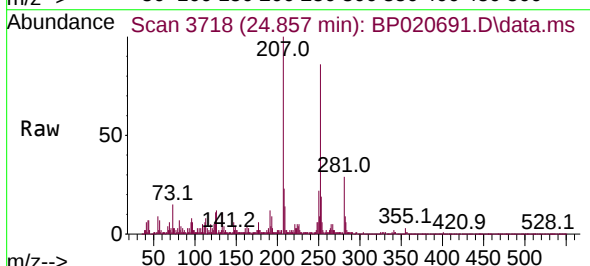
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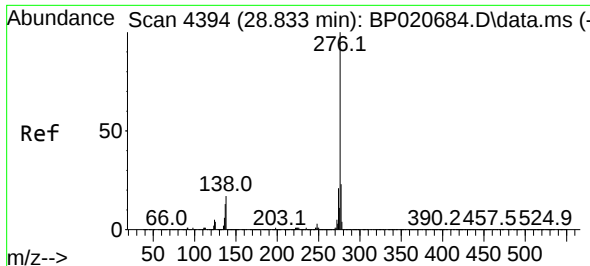
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

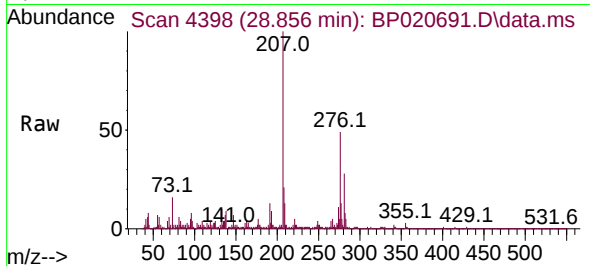
125 12.6 8.7 13.1





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.935 ng/ul m  
 RT: 28.856 min Scan# 4394  
 Delta R.T. 0.041 min  
 Lab File: BP020691.D  
 Acq: 28 Jun 2024 13:22

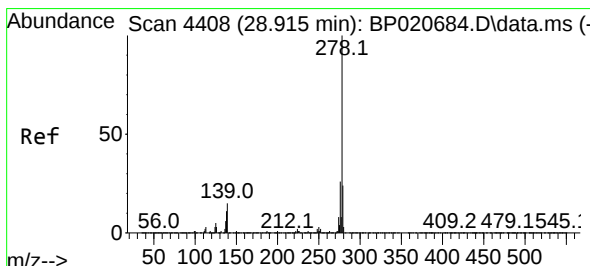
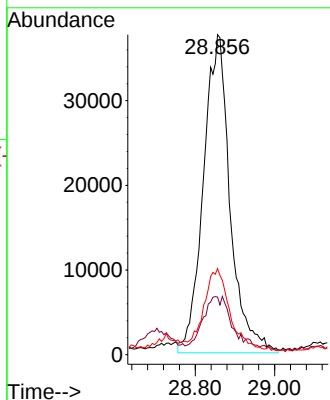
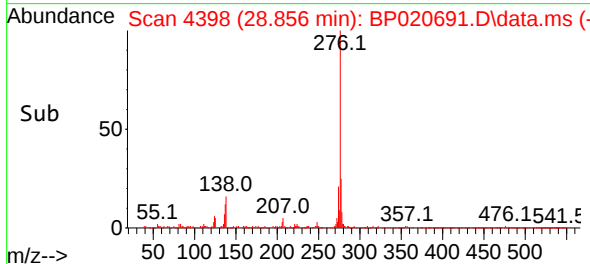
Instrument :  
 BNA\_P  
 ClientSampleId :  
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Tgt Ion:276 Resp: 17585  
 Ion Ratio Lower Upper  
 276 100  
 138 18.0 15.2 22.8  
 277 26.9 19.0 28.4

Manual Integrations  
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 Supervised By :mohammad ahmed 06/29/2024



#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.176 ng/ul m  
 RT: 28.909 min Scan# 4407  
 Delta R.T. 0.012 min  
 Lab File: BP020691.D  
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Tgt Ion:278 Resp: 57928  
 Ion Ratio Lower Upper  
 278 100  
 139 20.6 11.1 16.7#  
 279 30.1 18.7 28.1#

