

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021409.D  
 Acq On : 07 Aug 2024 05:24  
 Operator : CG/JU  
 Sample : P3329-03DL 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 F7E02DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 07 06:25:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152  | 163798   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.381 | 136  | 703382   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.263 | 164  | 467166   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.086 | 188  | 1060784  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 1164571  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.804 | 264  | 1384345  | 20.000 | ng/u1  | -0.03    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.158  | 96   | 1861     | 0.517  | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.628  | 84   | 18916m   | 1.815  | ng/u1  | 0.04     |
| 7) Phenol-d5                  | 6.928  | 99   | 18284    | 1.369  | ng/u1  | 0.08     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.010  | 67   | 19959m   | 2.466  | ng/u1  | 0.03     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132  | 26246m   | 2.385  | ng/u1  | 0.06     |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 26159m   | 2.359  | ng/u1  | 0.06     |
| 21) Nitrobenzene-d5           | 8.834  | 128  | 12901m   | 2.361  | ng/u1  | 0.04     |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 14695m   | 2.350  | ng/u1  | 0.03     |
| 28) 2,4-Dichlorophenol-d3     | 10.152 | 165  | 24075m   | 2.129  | ng/u1  | 0.10     |
| 31) 4-Chloroaniline-d4        | 10.616 | 131  | 37515m   | 2.504  | ng/u1  | 0.06     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 104705   | 3.083  | ng/u1  | 0.02     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 112362   | 2.947  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.287 | 176  | 95711    | 3.435  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 200  | 6424m    | 1.001  | ng/u1  | 0.07     |
| 73) Anthracene-d10            | 17.198 | 188  | 155992   | 3.311  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.575 | 212  | 202012   | 2.806  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264  | 215601   | 3.158  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.428 | 128  | 2271381  | 61.391 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.057 | 142  | 524274   | 20.643 | ng/u1  | 98       |
| 37) 1-Methylnaphthalene       | 12.287 | 142  | 242832   | 9.297  | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 13.087 | 154  | 131383   | 3.848  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.322 | 153  | 485246   | 16.933 | ng/u1  | 98       |
| 56) Dibenzofuran              | 14.687 | 168  | 511368   | 13.031 | ng/u1  | 98       |
| 61) Fluorene                  | 15.339 | 166  | 561457   | 17.533 | ng/u1  | 100      |
| 72) Phenanthrene              | 17.128 | 178  | 2572174  | 46.742 | ng/u1  | 99       |
| 74) Anthracene                | 17.233 | 178  | 402632   | 7.177  | ng/u1  | 97       |
| 77) Carbazole                 | 17.545 | 167  | 219493   | 4.786  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.227 | 202  | 1639280  | 18.853 | ng/u1  | 99       |
| 82) Pyrene                    | 19.604 | 202  | 1120782  | 12.667 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 417527   | 5.118  | ng/u1  | 97       |
| 87) Chrysene                  | 21.580 | 228  | 294203   | 3.881  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.786 | 252  | 261503   | 3.113  | ng/u1# | 95       |
| 91) Benzo(k)fluoranthene      | 23.857 | 252  | 101455m  | 1.210  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.663 | 252  | 157145   | 1.979  | ng/u1  | 96       |
| -----                         |        |      |          |        |        |          |

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

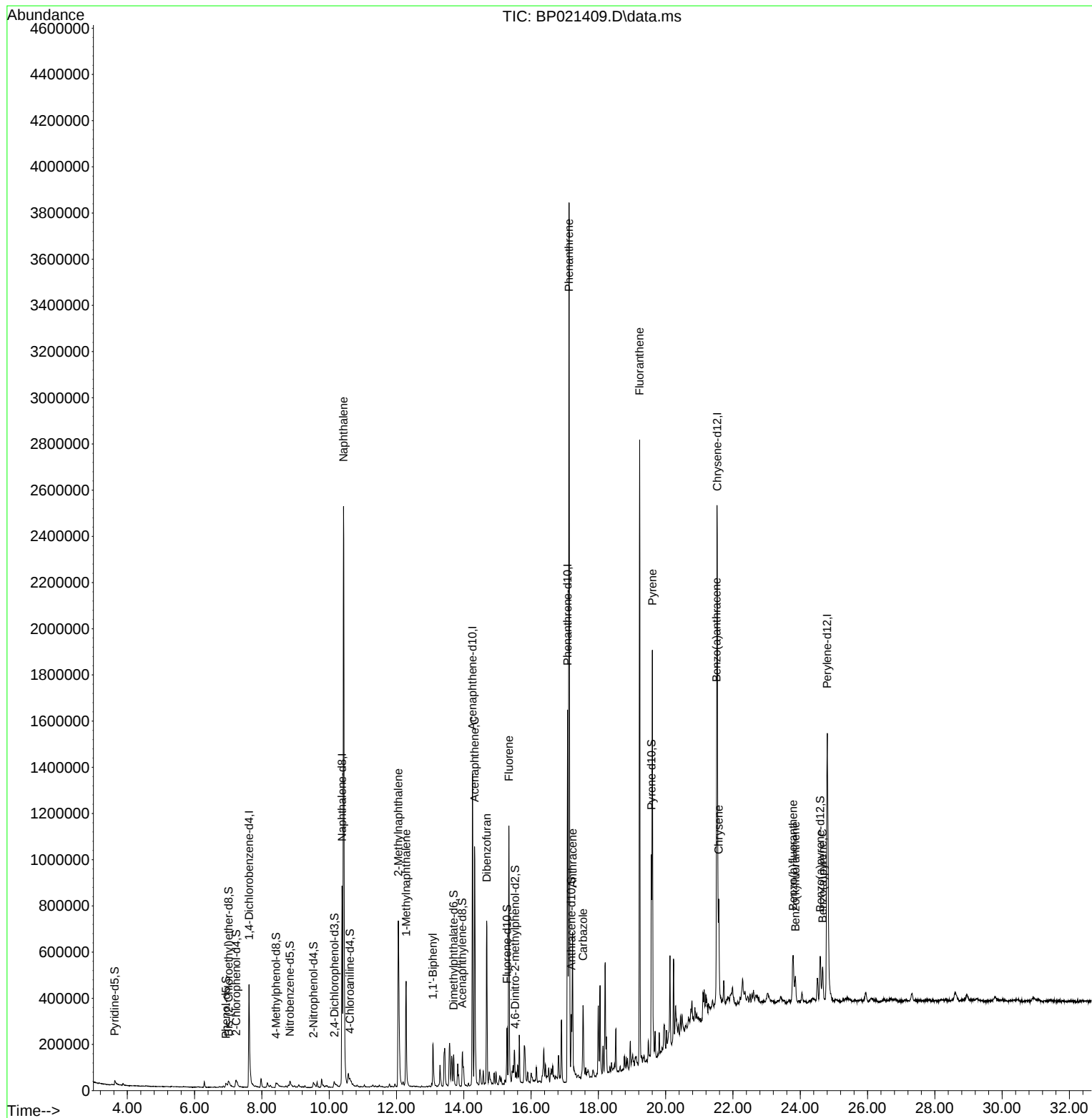
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021409.D  
 Acq On : 07 Aug 2024 05:24  
 Operator : CG/JU  
 Sample : P3329-03DL 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

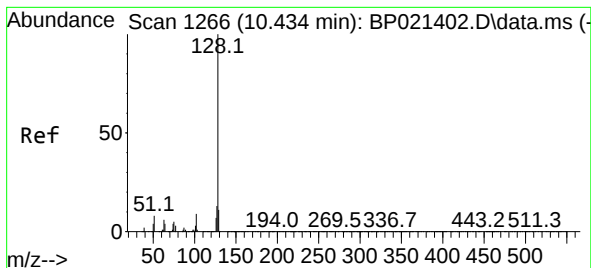
Instrument :  
 BNA\_P  
 ClientSampleId :  
 F7E02DL

Quant Time: Aug 07 06:25:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024





#30

Naphthalene

Concen: 61.391 ng/ul

RT: 10.428 min Scan# 1265

Delta R.T. -0.011 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

Instrument :

BNA\_P

ClientSampleId :

F7E02DL

Tgt Ion:128 Resp: 227138

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

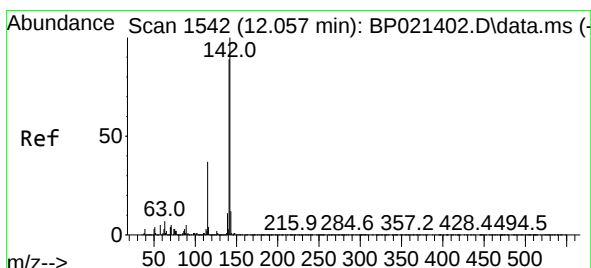
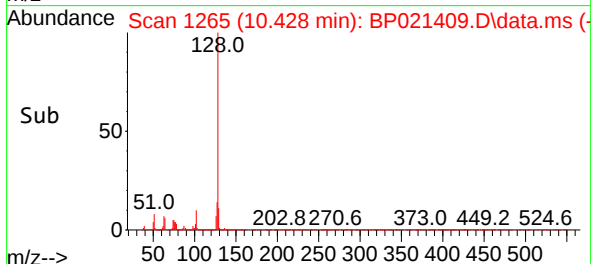
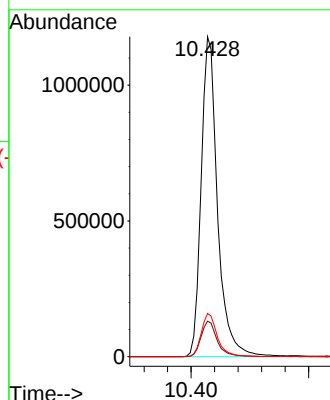
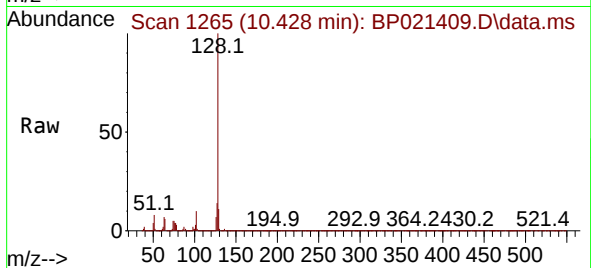
127 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#36

2-Methylnaphthalene

Concen: 20.643 ng/ul

RT: 12.057 min Scan# 1542

Delta R.T. -0.011 min

Lab File: BP021409.D

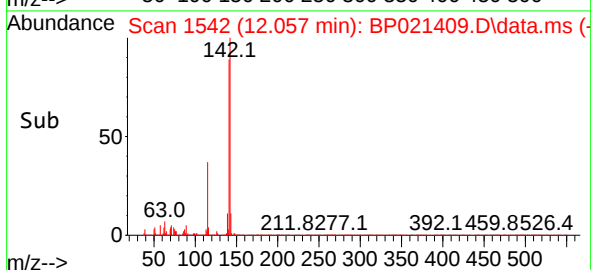
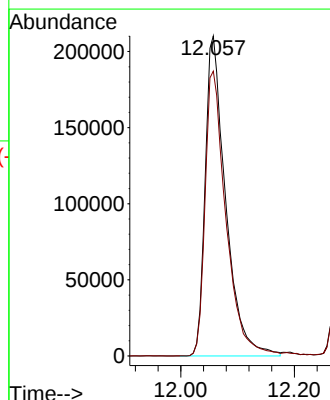
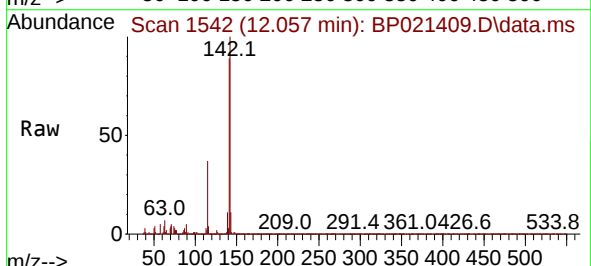
Acq: 07 Aug 2024 05:24

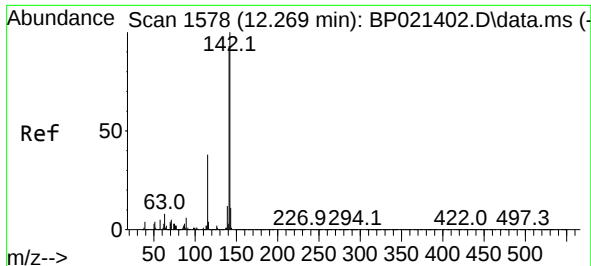
Tgt Ion:142 Resp: 524274

Ion Ratio Lower Upper

142 100

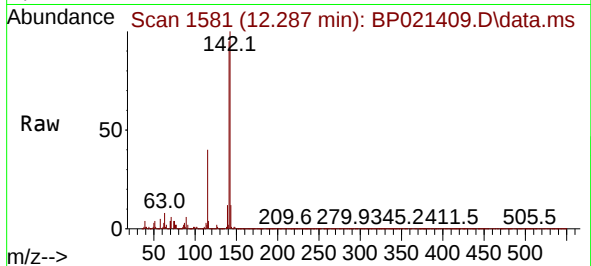
141 89.0 72.6 108.8





#37  
1-Methylnaphthalene  
Concen: 9.297 ng/ul  
RT: 12.287 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

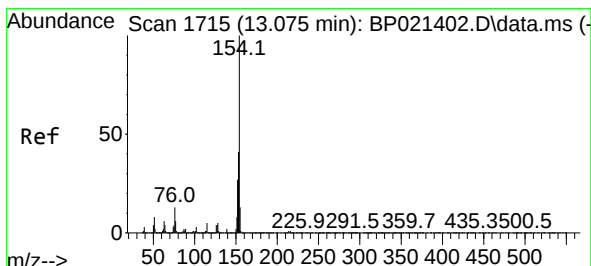
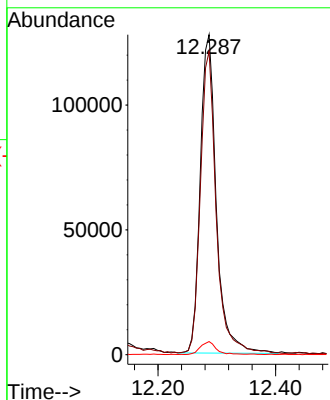
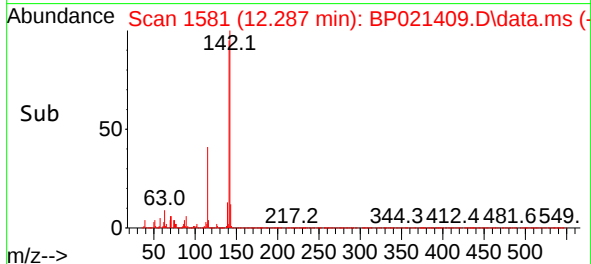
Instrument :  
BNA\_P  
ClientSampleId :  
F7E02DL



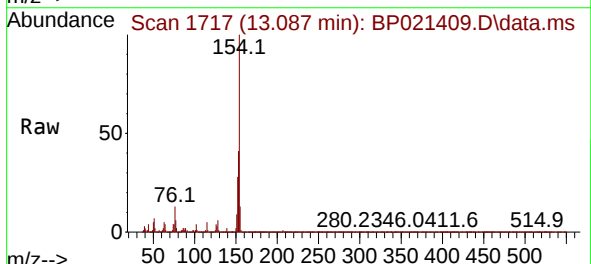
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Ion Ratio Lower Upper  
142 100  
141 94.8 75.0 112.6  
116 4.1 3.2 4.8

Manual Integrations  
APPROVED

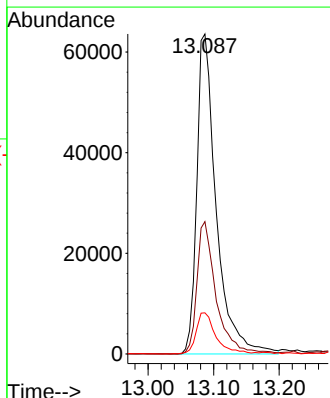
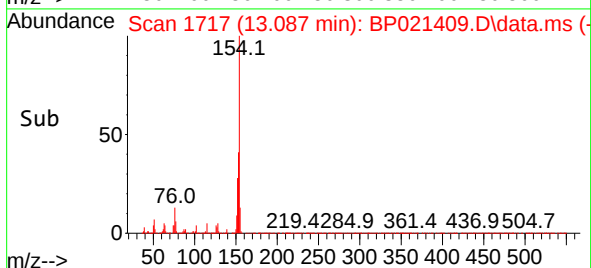
Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024

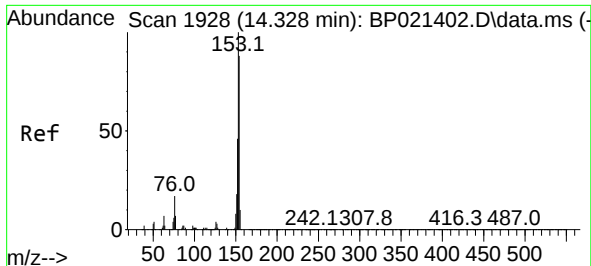


#43  
1,1'-Biphenyl  
Concen: 3.848 ng/ul  
RT: 13.087 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24



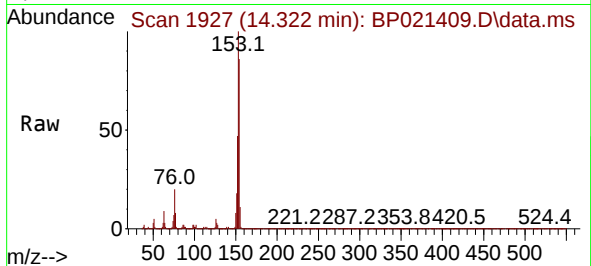
Tgt Ion:154 Resp: 131383  
Ion Ratio Lower Upper  
154 100  
153 41.4 32.7 49.1  
76 12.9 9.4 14.2





#52  
Acenaphthene  
Concen: 16.933 ng/ul  
RT: 14.322 min Scan# 1928  
Delta R.T. -0.017 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

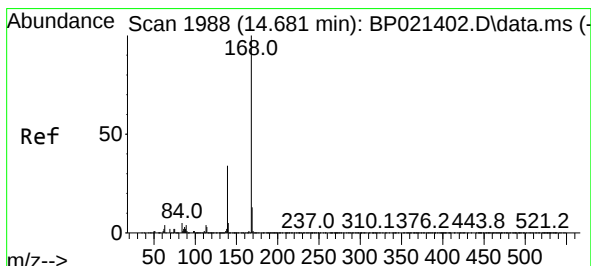
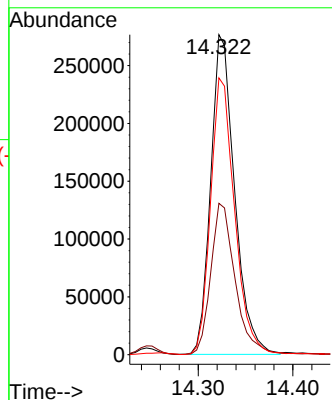
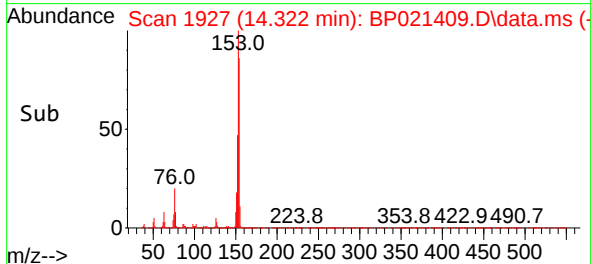
Instrument :  
BNA\_P  
ClientSampleId :  
F7E02DL



Tgt Ion:153 Resp: 485240  
Ion Ratio Lower Upper  
153 100  
152 47.3 37.8 56.6  
154 86.5 71.8 107.6

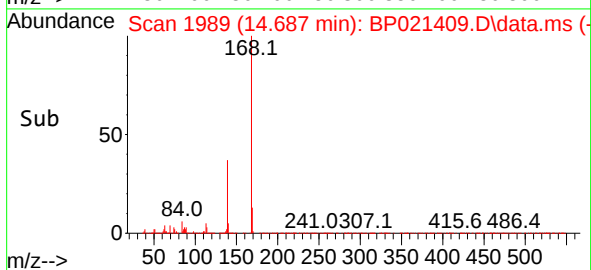
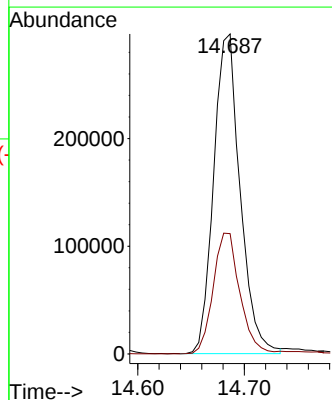
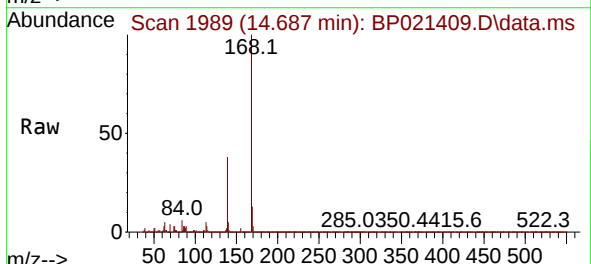
Manual Integrations  
APPROVED

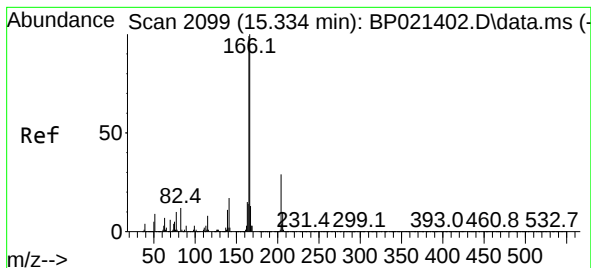
Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#56  
Dibenzofuran  
Concen: 13.031 ng/ul  
RT: 14.687 min Scan# 1989  
Delta R.T. 0.000 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

Tgt Ion:168 Resp: 511368  
Ion Ratio Lower Upper  
168 100  
139 37.6 31.1 46.7





#61

Fluorene

Concen: 17.533 ng/ul

RT: 15.339 min Scan# 2100

Delta R.T. -0.006 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

Instrument :

BNA\_P

ClientSampleId :

F7E02DL

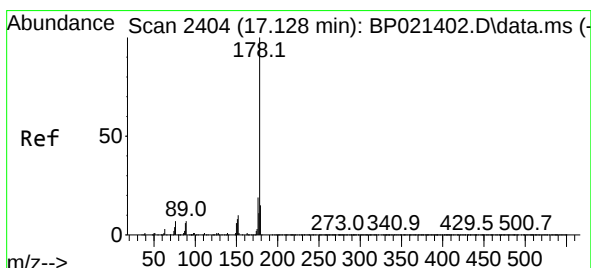
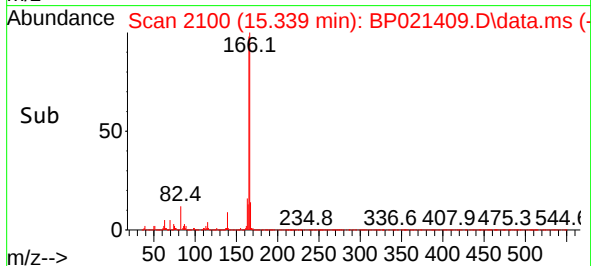
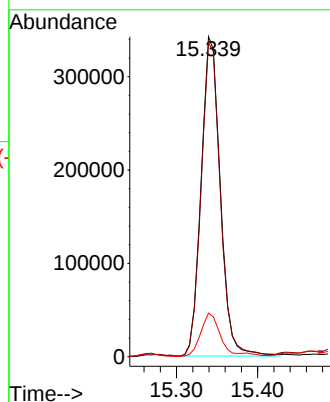
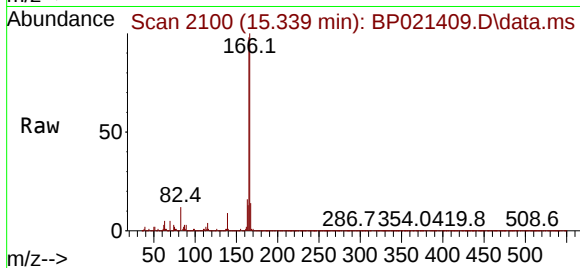
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 56145 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 98.1  | 78.1  | 117.1 |
| 167       | 13.6  | 10.9  | 16.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#72

Phenanthrene

Concen: 46.742 ng/ul

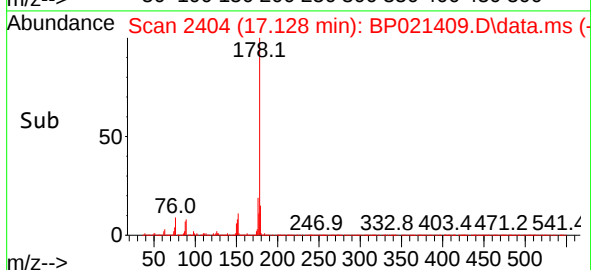
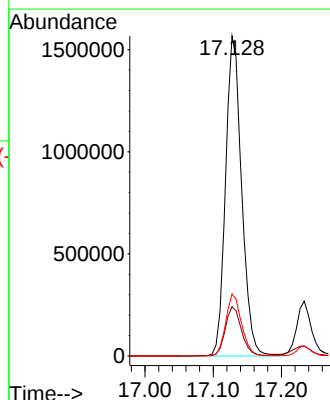
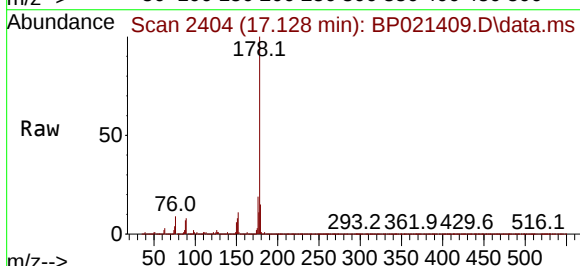
RT: 17.128 min Scan# 2404

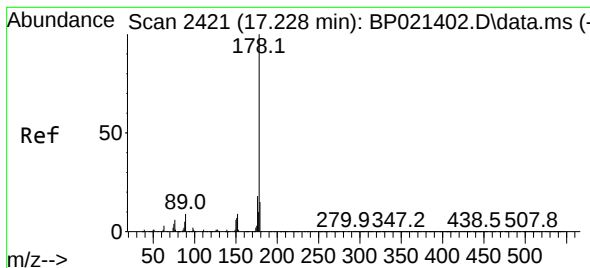
Delta R.T. -0.006 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 2572174 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 179       | 15.4  | 12.2  | 18.4    |
| 176       | 19.4  | 15.0  | 22.4    |





#74

Anthracene

Concen: 7.177 ng/ul

RT: 17.233 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

Instrument :

BNA\_P

ClientSampleId :

F7E02DL

Tgt Ion:178 Resp: 40263

Ion Ratio Lower Upper

178 100

179 18.2 12.5 18.7

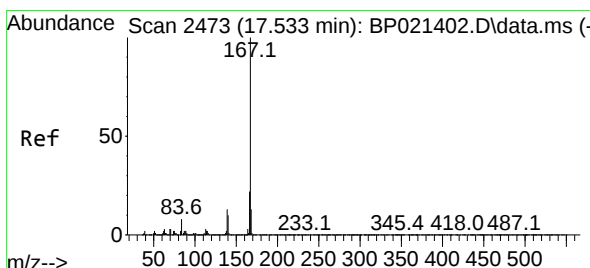
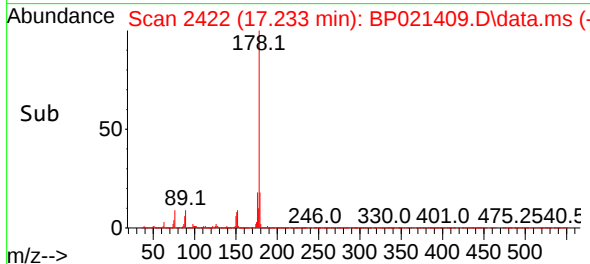
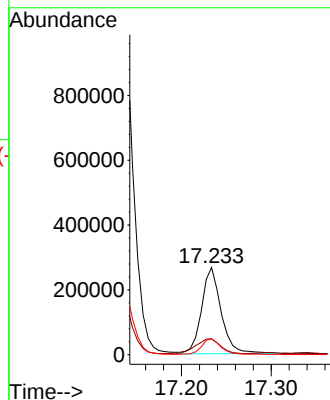
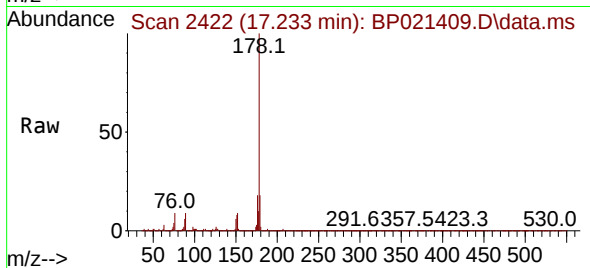
176 18.1 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#77

Carbazole

Concen: 4.786 ng/ul

RT: 17.545 min Scan# 2475

Delta R.T. 0.024 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

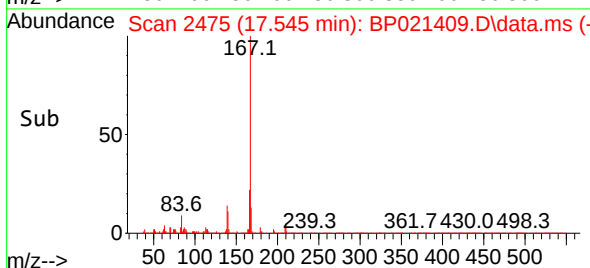
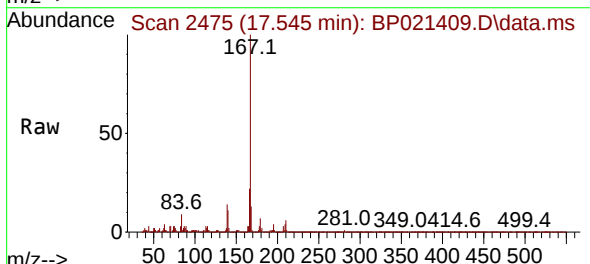
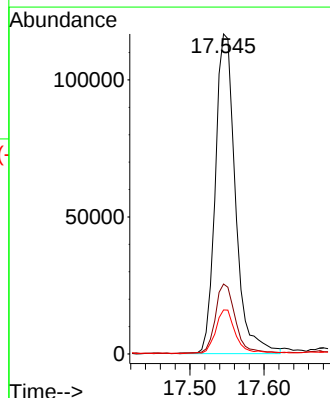
Tgt Ion:167 Resp: 219493

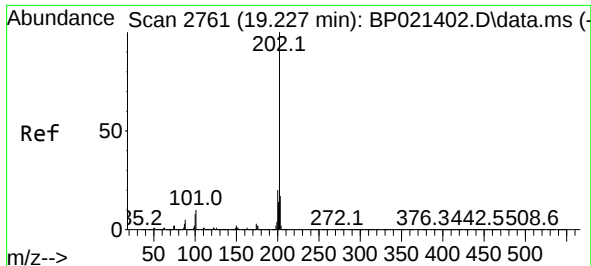
Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

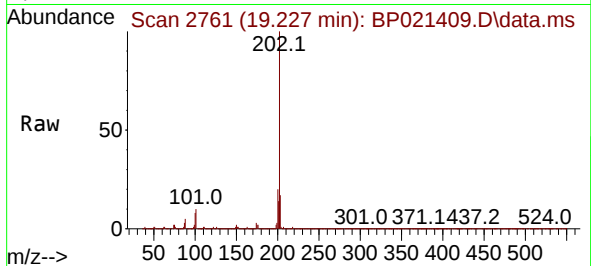
139 13.7 10.2 15.2





#80  
Fluoranthene  
Concen: 18.853 ng/u1  
RT: 19.227 min Scan# 2761  
Delta R.T. -0.006 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

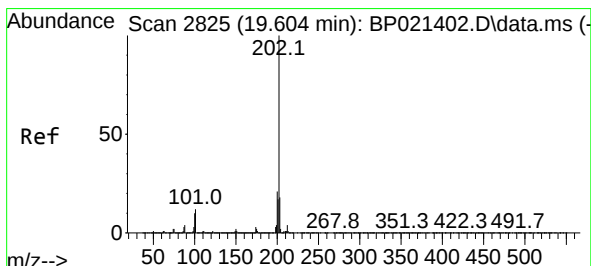
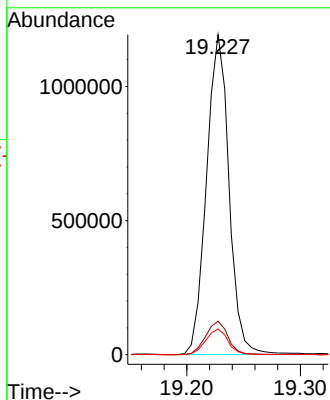
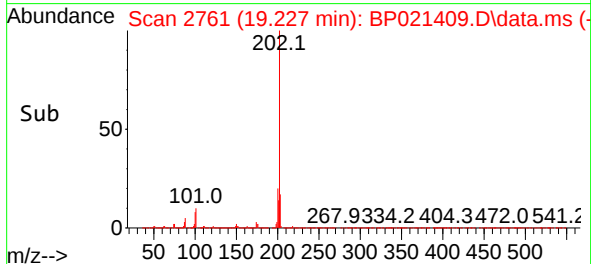
Instrument :  
BNA\_P  
ClientSampleId :  
F7E02DL



Tgt Ion:202 Resp: 1639280  
Ion Ratio Lower Upper  
202 100  
101 10.4 8.0 12.0  
100 8.1 6.1 9.1

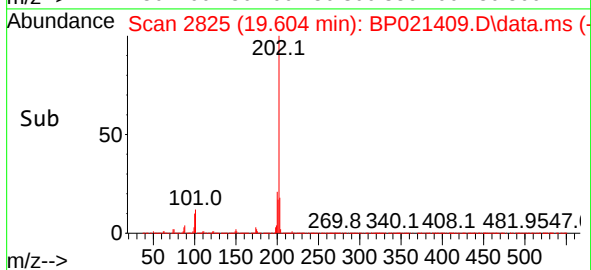
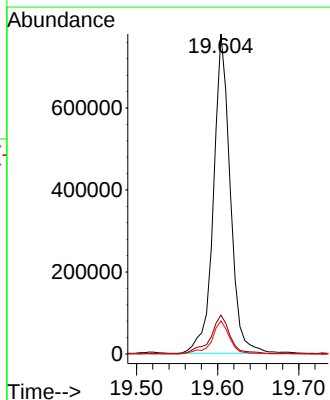
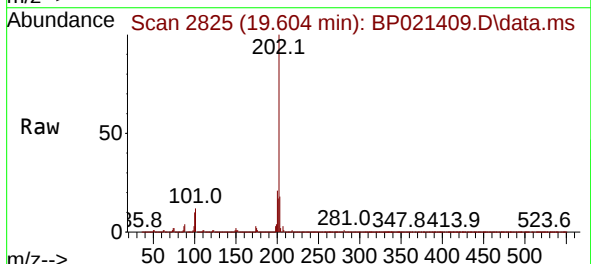
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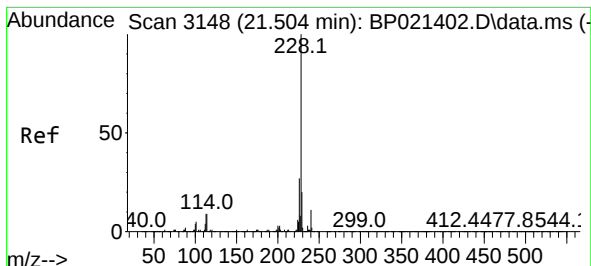
Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#82  
Pyrene  
Concen: 12.667 ng/u1  
RT: 19.604 min Scan# 2825  
Delta R.T. -0.006 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

Tgt Ion:202 Resp: 1120782  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.4 14.2  
100 10.4 7.8 11.6





#85

Benzo(a)anthracene

Concen: 5.118 ng/ul

RT: 21.516 min Scan# 3150

Delta R.T. 0.006 min

Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

Instrument :

BNA\_P

ClientSampleId :

F7E02DL

Tgt Ion:228 Resp: 41752

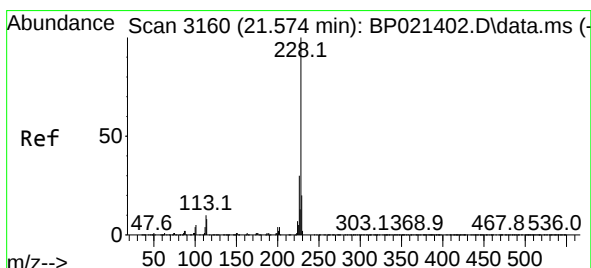
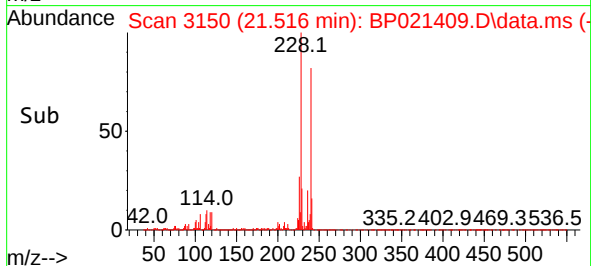
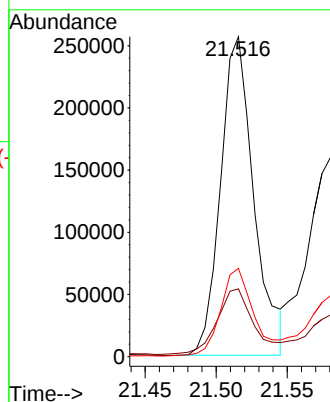
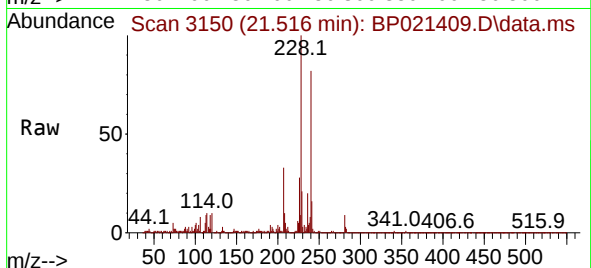
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 21.2  | 15.5  | 23.3  |
| 226 | 27.6  | 21.4  | 32.2  |

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#87

Chrysene

Concen: 3.881 ng/ul

RT: 21.580 min Scan# 3161

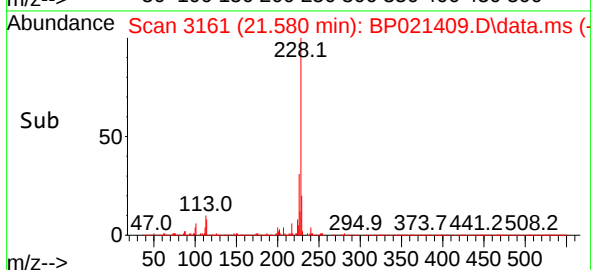
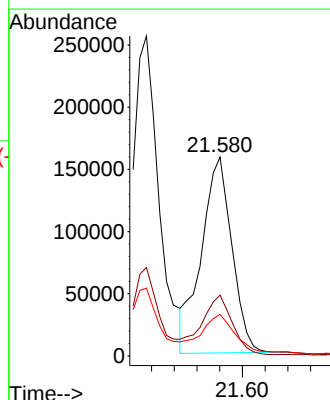
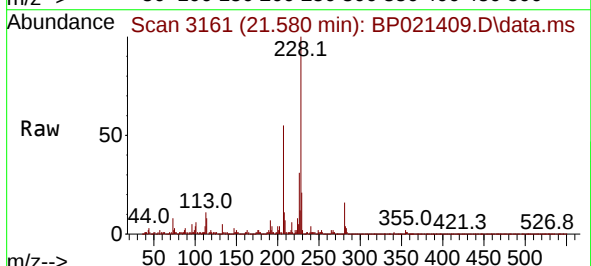
Delta R.T. -0.006 min

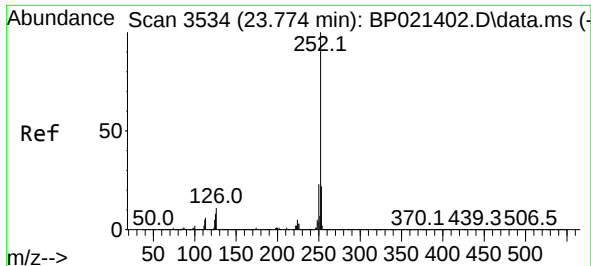
Lab File: BP021409.D

Acq: 07 Aug 2024 05:24

Tgt Ion:228 Resp: 294203

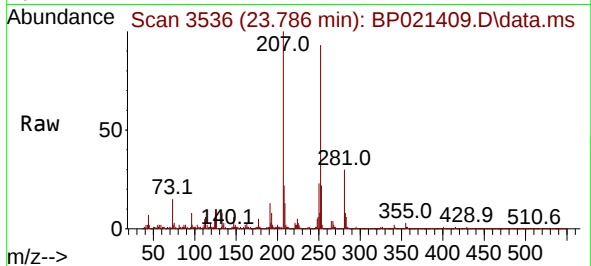
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.6  | 23.6  | 35.4  |
| 229 | 20.9  | 15.5  | 23.3  |





#90  
Benzo(b)fluoranthene  
Concen: 3.113 ng/ul  
RT: 23.786 min Scan# 3534  
Delta R.T. 0.000 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

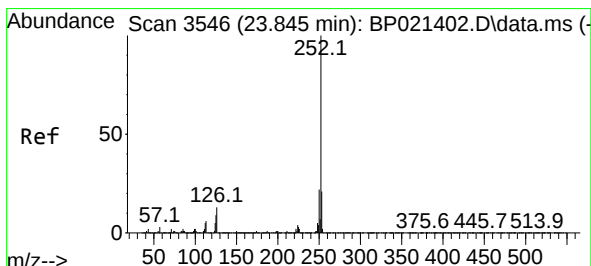
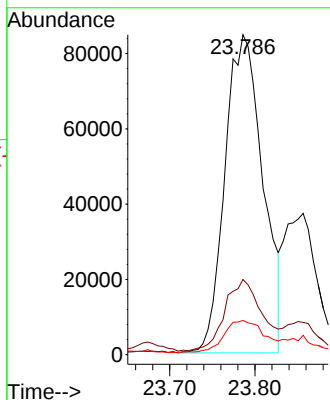
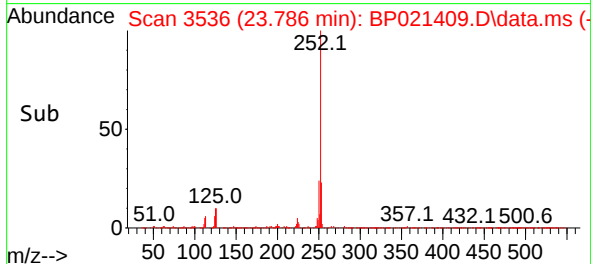
Instrument :  
BNA\_P  
ClientSampleId :  
F7E02DL



Tgt Ion:252 Resp: 26150  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.1 25.7  
125 10.7 7.0 10.4

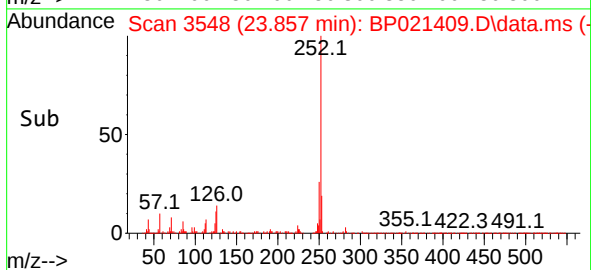
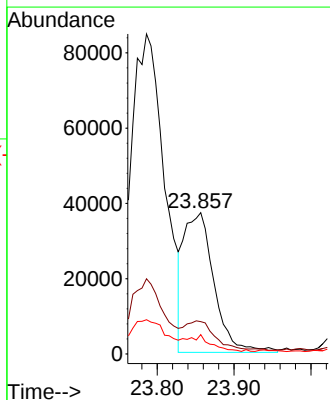
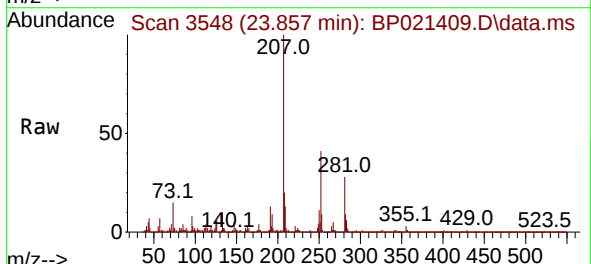
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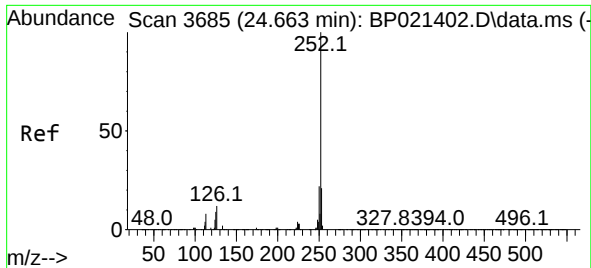
Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#91  
Benzo(k)fluoranthene  
Concen: 1.210 ng/ul m  
RT: 23.857 min Scan# 3548  
Delta R.T. 0.006 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

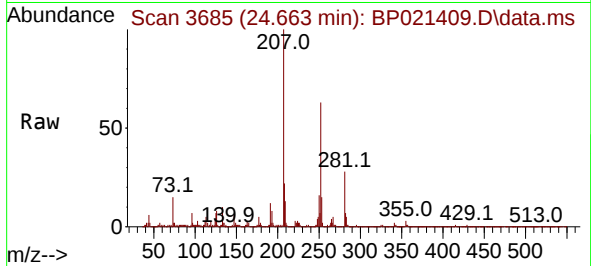
Tgt Ion:252 Resp: 101455  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.2  
125 13.7 7.4 11.0#





#93  
Benzo(a)pyrene  
Concen: 1.979 ng/ul  
RT: 24.663 min Scan# 30  
Delta R.T. -0.017 min  
Lab File: BP021409.D  
Acq: 07 Aug 2024 05:24

Instrument :  
BNA\_P  
ClientSampleId :  
F7E02DL



Tgt Ion: 252 Resp: 15714

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.2  | 17.4  | 26.0  |
| 125 | 11.3  | 7.7   | 11.5  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024

