

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101725\  
 Data File : BG064536.D  
 Acq On : 17 Oct 2025 15:07  
 Operator : RC/JU  
 Sample : Q3367-01  
 Misc : 8270/625.1 SPIKE  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-101625

Quant Time: Oct 17 15:42:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 02 16:40:42 2025  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Rahul Chavli 10/20/2025  
 Supervised By :Jagrut Upadhyay 10/20/2025

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.819  | 152  | 14144    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.604 | 136  | 55284    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.440 | 164  | 38140    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.184 | 188  | 91192    | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.409 | 240  | 112785   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.387 | 264  | 126305   | 20.000 | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.410  | 112  | 65413    | 85.590 | ng    | 0.00     |
| 7) Phenol-d6                | 6.996  | 99   | 84872    | 82.638 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.970  | 82   | 58408    | 56.808 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.933 | 330  | 64548    | 93.366 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.065 | 172  | 156370   | 60.433 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.805 | 244  | 324086   | 54.381 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 19.235 | 202  | 31471    | 5.524  | ng    | 97       |
| 78) Pyrene                  | 19.599 | 202  | 32118    | 4.388  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.391 | 228  | 23233    | 3.226  | ng    | 96       |
| 83) Chrysene                | 21.450 | 228  | 22900m   | 3.353  | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 27.736 | 276  | 21060    | 2.395  | ng    | # 59     |
| 88) Benzo(b)fluoranthene    | 23.453 | 252  | 37119    | 5.166  | ng    | # 98     |
| 89) Benzo(k)fluoranthene    | 23.506 | 252  | 15317m   | 2.116  | ng    |          |
| 90) Benzo(a)pyrene          | 24.246 | 252  | 28473    | 4.299  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 28.771 | 276  | 22155    | 3.243  | ng    | 99       |
| -----                       |        |      |          |        |       |          |

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

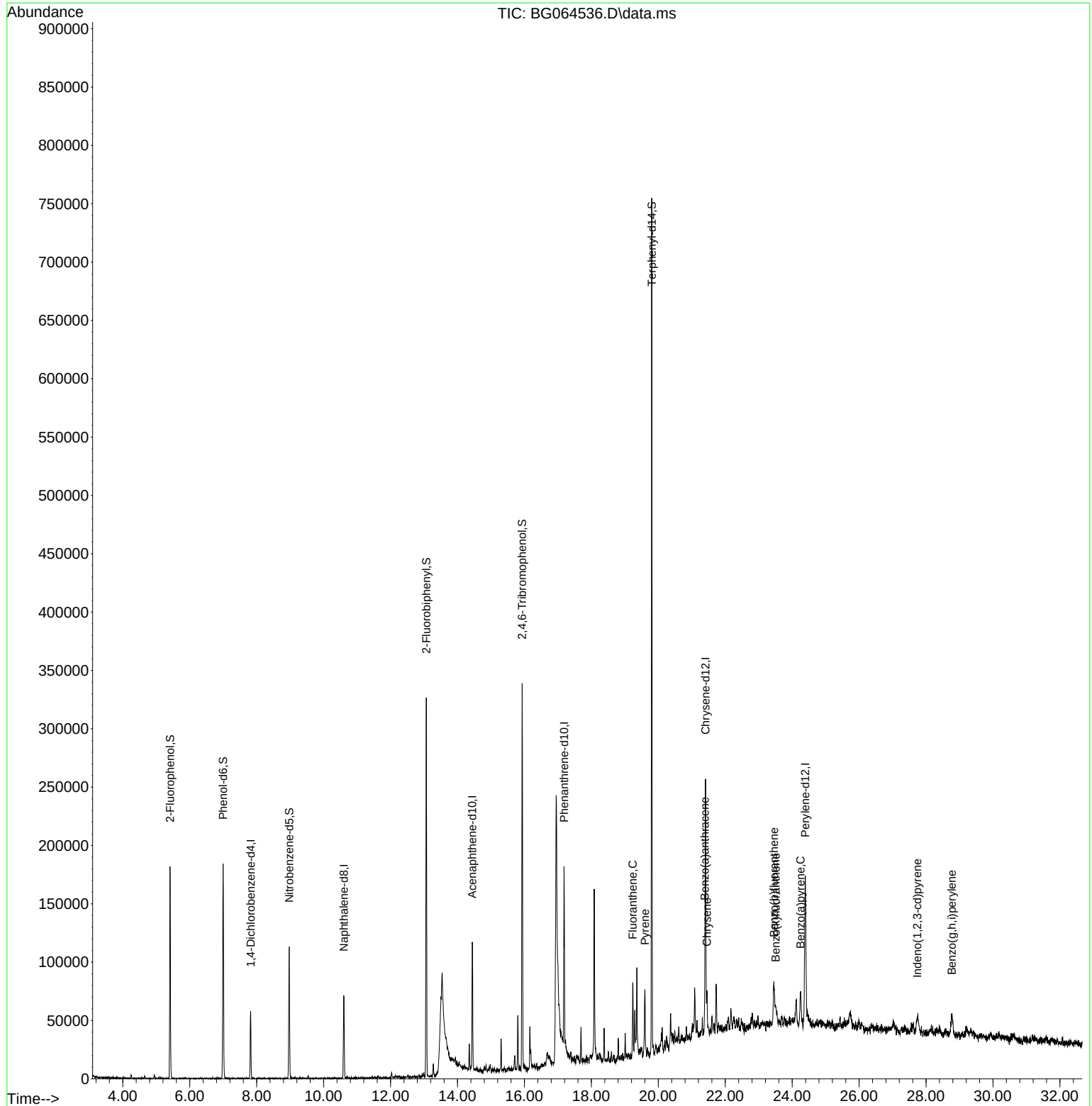
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101725\  
Data File : BG064536.D  
Acq On : 17 Oct 2025 15:07  
Operator : RC/JU  
Sample : Q3367-01  
Misc : 8270/625.1 SPIKE  
ALS Vial : 7 Sample Multiplier: 1

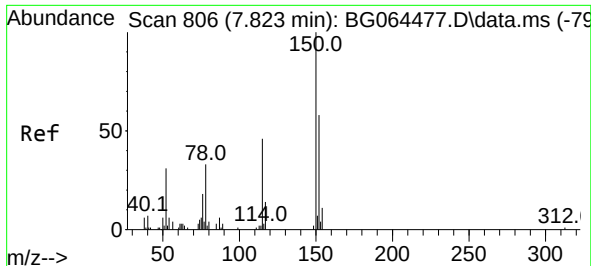
Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625

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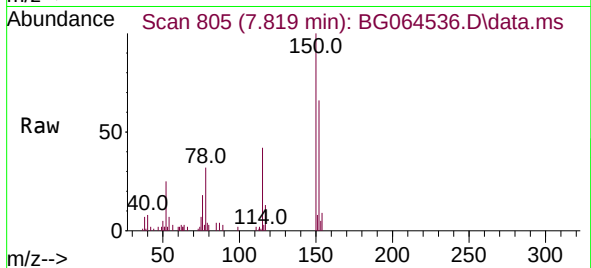
Quant Time: Oct 17 15:42:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 02 16:40:42 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.819 min Scan# 806  
Delta R.T. -0.001 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

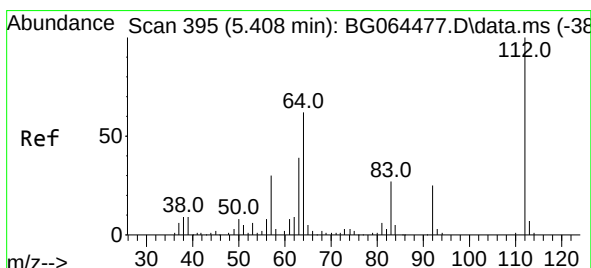
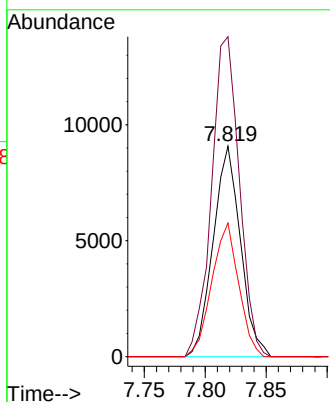
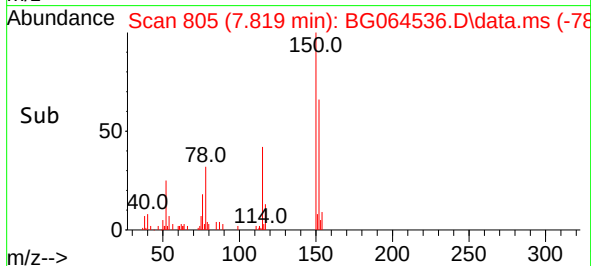
Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625



Tgt Ion:152 Resp: 14144  
Ion Ratio Lower Upper  
152 100  
150 152.2 138.6 207.8  
115 63.5 63.4 95.2

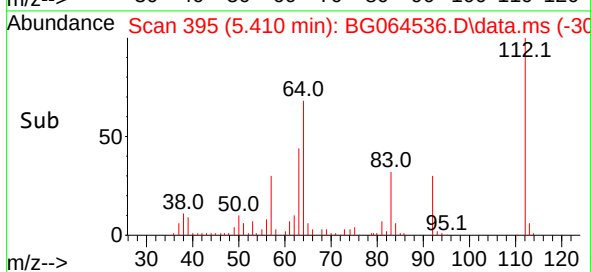
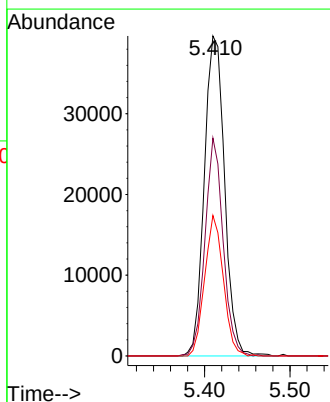
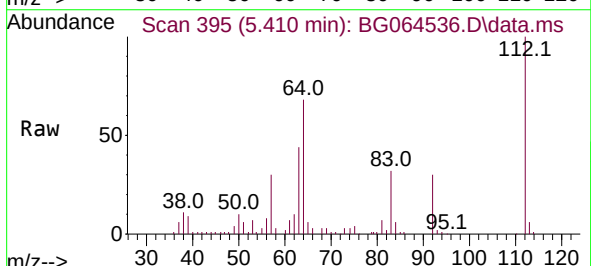
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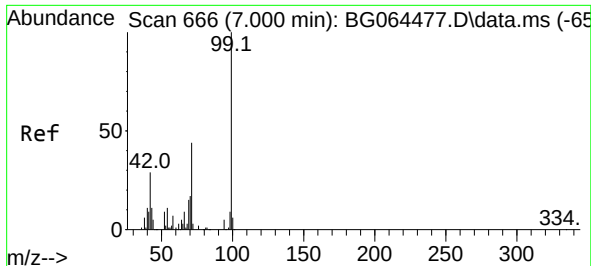
Reviewed By :Rahul Chavli 10/20/2025  
Supervised By :Jagrut Upadhyay 10/20/2025



#5  
2-Fluorophenol  
Concen: 85.590 ng  
RT: 5.410 min Scan# 395  
Delta R.T. 0.004 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

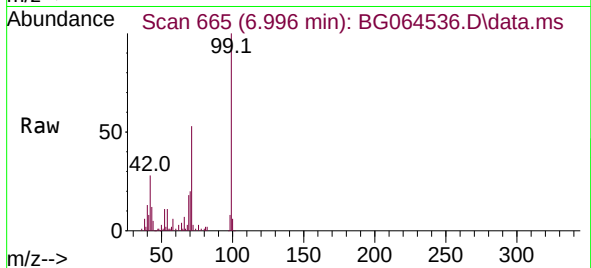
Tgt Ion:112 Resp: 65413  
Ion Ratio Lower Upper  
112 100  
64 68.1 49.8 74.8  
63 43.9 31.3 46.9





#7  
Phenol-d6  
Concen: 82.638 ng  
RT: 6.996 min Scan# 60  
Delta R.T. 0.010 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

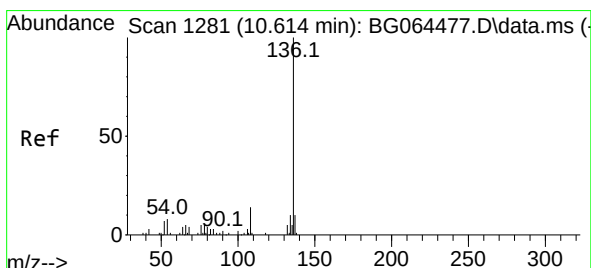
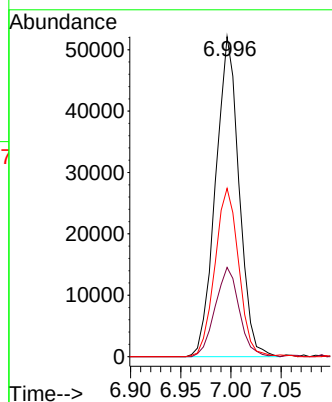
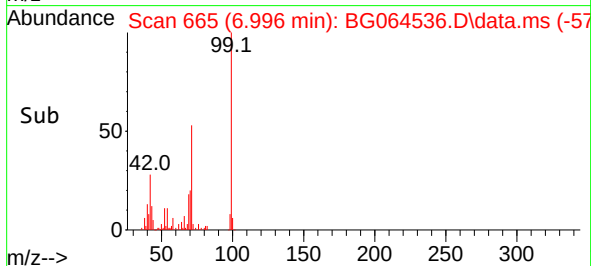
Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625



Tgt Ion: 99 Resp: 84872  
Ion Ratio Lower Upper  
99 100  
42 27.9 22.9 34.3  
71 52.6 35.4 53.2

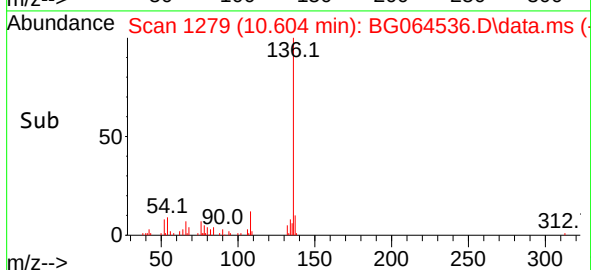
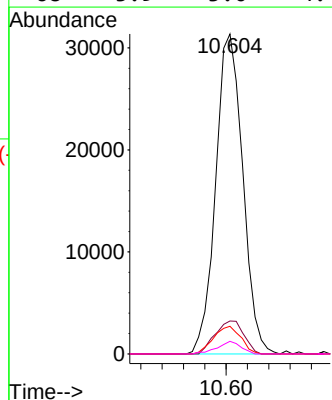
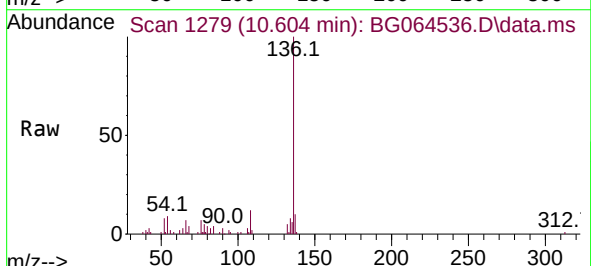
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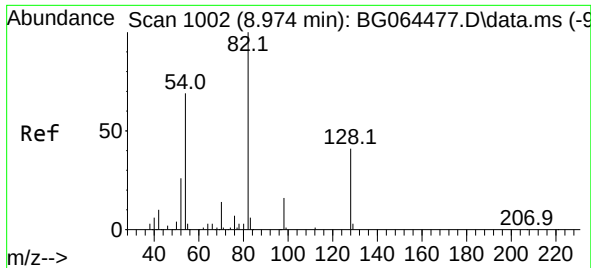
Reviewed By :Rahul Chavli 10/20/2025  
Supervised By :Jagrut Upadhyay 10/20/2025



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.604 min Scan# 1279  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Tgt Ion:136 Resp: 55284  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.3 12.5  
54 8.6 6.2 9.4  
68 3.9 3.0 4.4





#23  
Nitrobenzene-d5  
Concen: 56.808 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. 0.004 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Instrument :

BNA\_G

ClientSampleId :

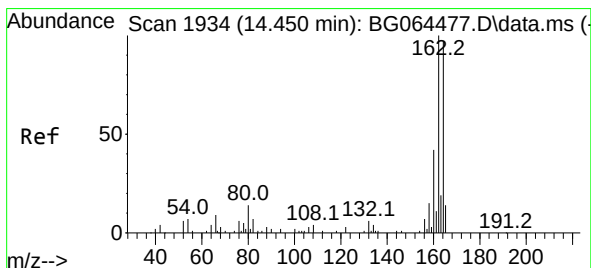
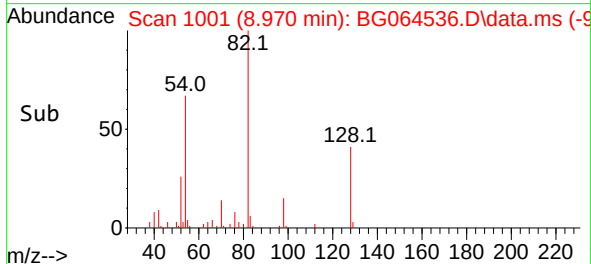
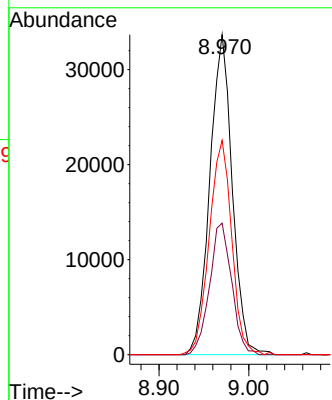
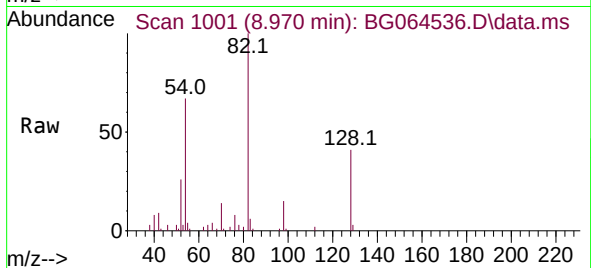
BU-03-101625

Tgt Ion: 82 Resp: 58408  
Ion Ratio Lower Upper  
82 100  
128 41.1 33.1 49.7  
54 66.9 55.4 83.2

Manual Integrations

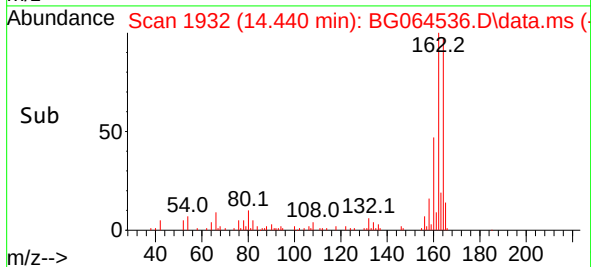
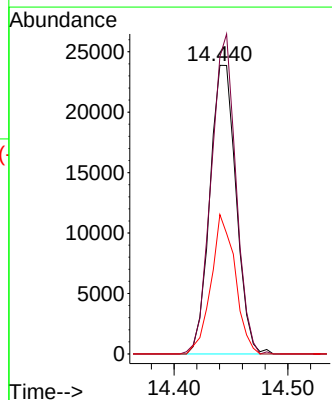
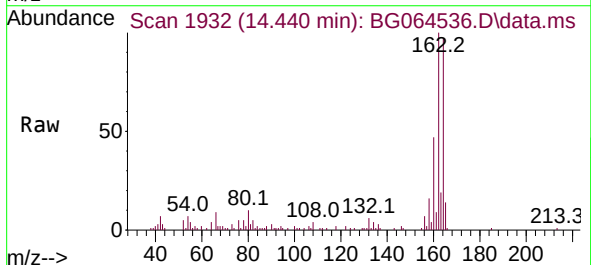
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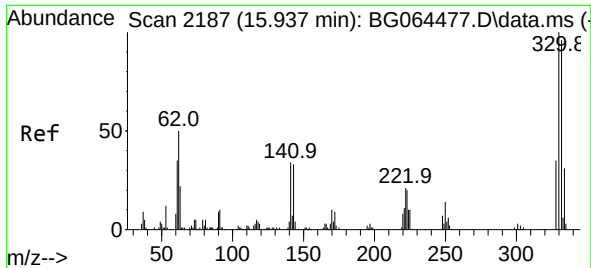
Reviewed By :Rahul Chavli 10/20/2025  
Supervised By :Jagrut Upadhyay 10/20/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.440 min Scan# 1932  
Delta R.T. -0.008 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Tgt Ion:164 Resp: 38140  
Ion Ratio Lower Upper  
164 100  
162 102.9 82.2 123.2  
160 48.3 34.3 51.5





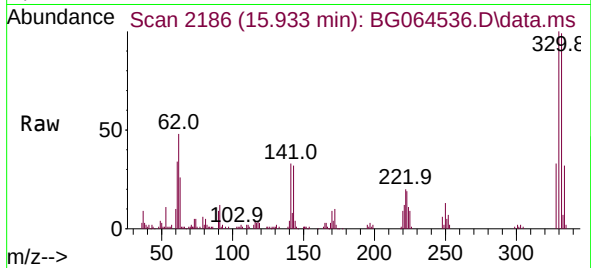
#42  
2,4,6-Tribromophenol  
Concen: 93.366 ng  
RT: 15.933 min Scan# 2187  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Instrument :

BNA\_G

ClientSampleId :

BU-03-101625



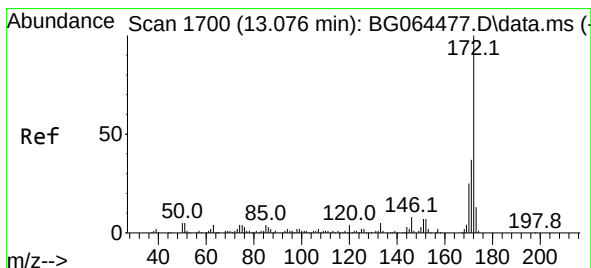
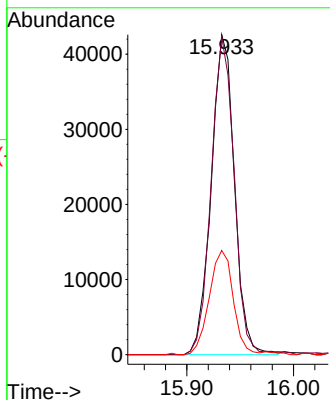
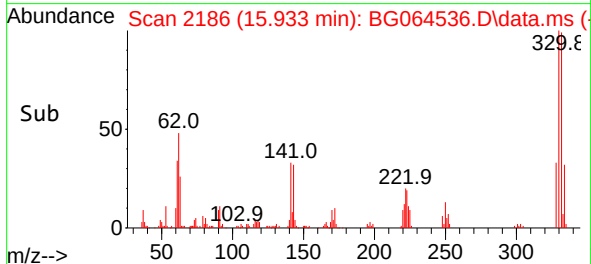
Tgt Ion:330 Resp: 64548  
Ion Ratio Lower Upper  
330 100  
332 98.6 77.4 116.0  
141 33.5 25.8 38.6

Manual Integrations

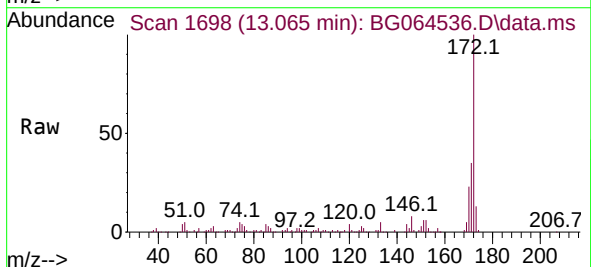
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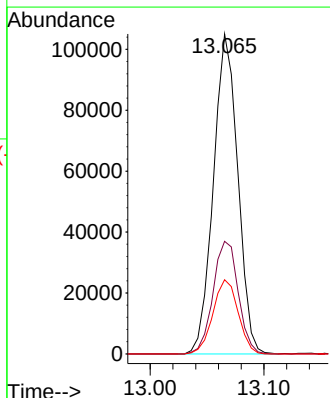
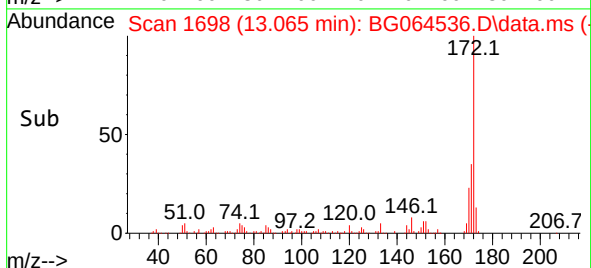
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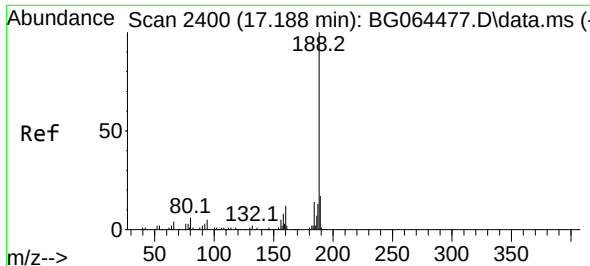


#45  
2-Fluorobiphenyl  
Concen: 60.433 ng  
RT: 13.065 min Scan# 1698  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07



Tgt Ion:172 Resp: 156370  
Ion Ratio Lower Upper  
172 100  
171 35.2 29.6 44.4  
170 23.2 20.2 30.2





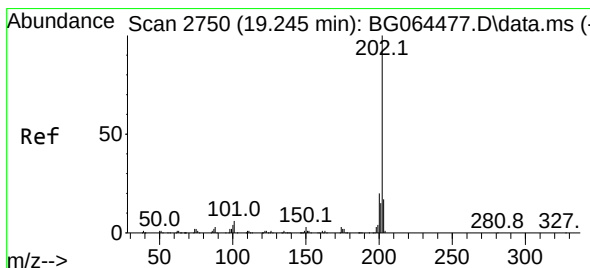
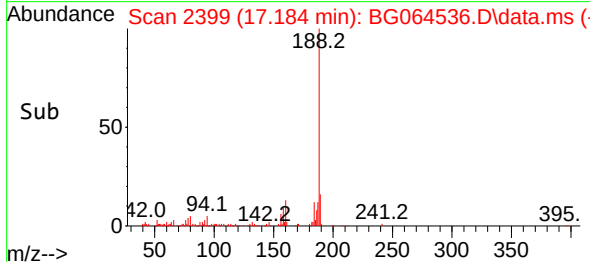
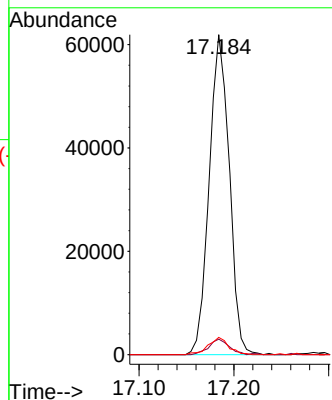
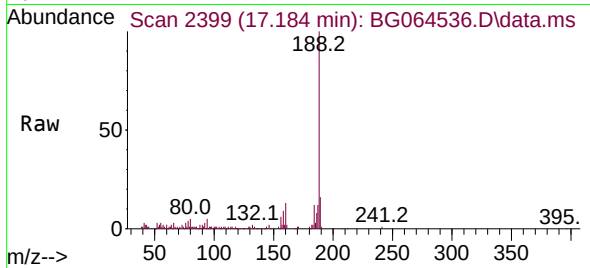
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.184 min Scan# 2399  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625

Tgt Ion:188 Resp: 91192  
Ion Ratio Lower Upper  
188 100  
94 4.8 3.7 5.5  
80 5.4 4.5 6.7

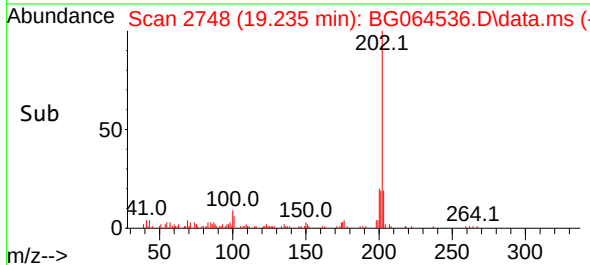
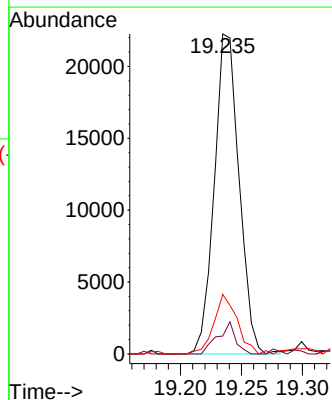
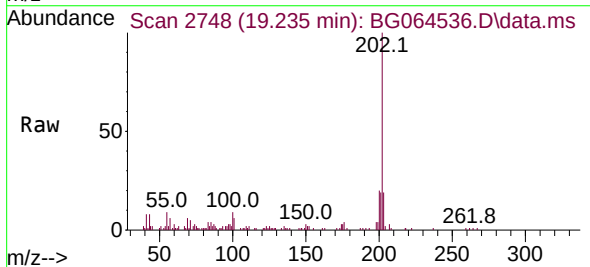
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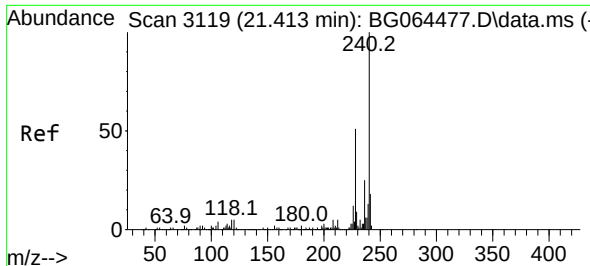
Reviewed By :Rahul Chavli 10/20/2025  
Supervised By :Jagrut Upadhyay 10/20/2025



#75  
Fluoranthene  
Concen: 5.524 ng  
RT: 19.235 min Scan# 2748  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

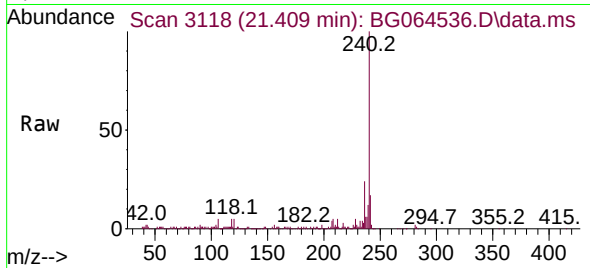
Tgt Ion:202 Resp: 31471  
Ion Ratio Lower Upper  
202 100  
101 5.6 0.0 25.7  
203 18.6 0.0 36.6





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.409 min Scan# 3119  
Delta R.T. -0.001 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

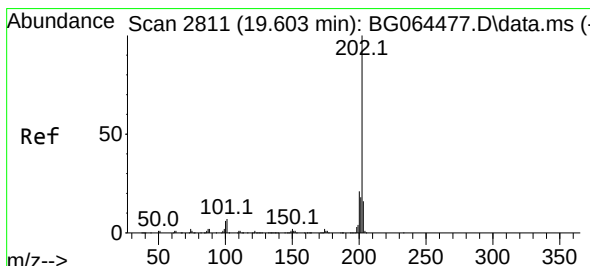
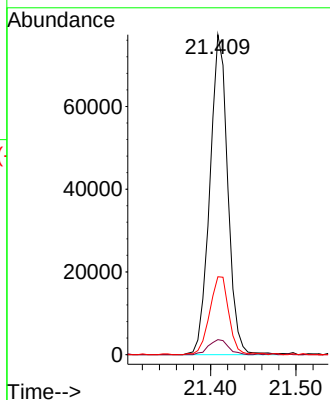
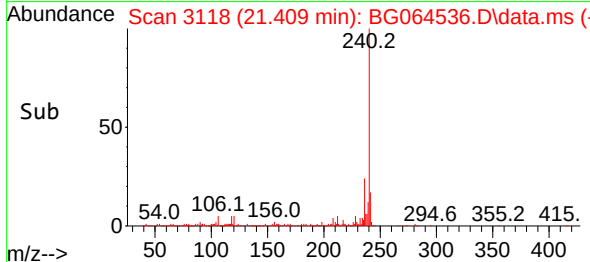
Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625



Tgt Ion:240 Resp: 112785  
Ion Ratio Lower Upper  
240 100  
120 4.7 4.3 6.5  
236 24.4 20.4 30.6

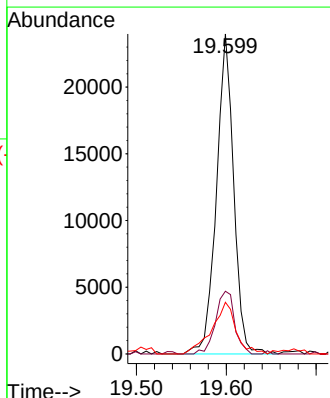
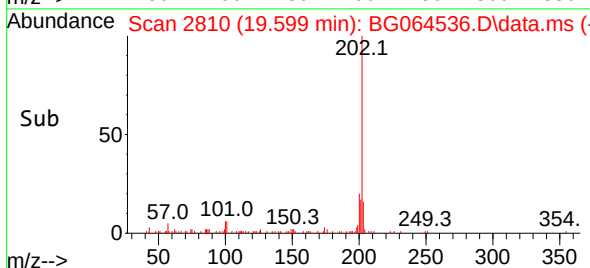
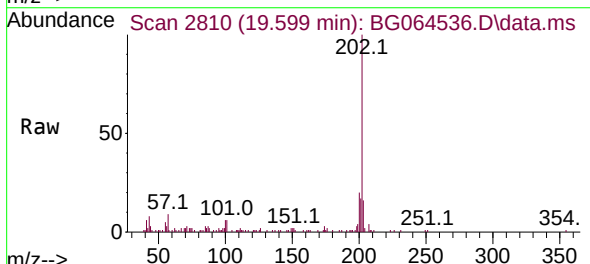
Manual Integrations  
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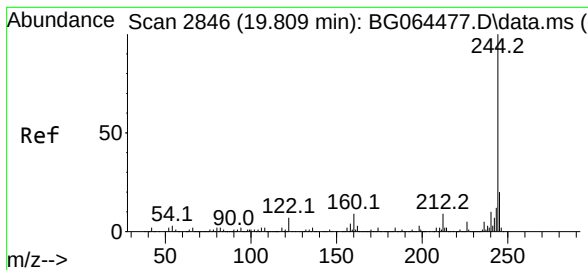


#78  
Pyrene  
Concen: 4.388 ng  
RT: 19.599 min Scan# 2810  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

Tgt Ion:202 Resp: 32118  
Ion Ratio Lower Upper  
202 100  
200 19.6 17.0 25.4  
203 16.1 13.0 19.4







#79

Terphenyl-d14

Concen: 54.381 ng

RT: 19.805 min Scan# 2845

Delta R.T. -0.002 min

Lab File: BG064536.D

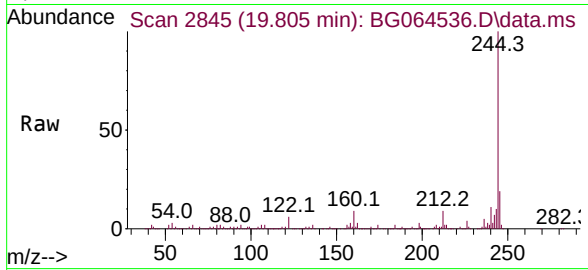
Acq: 17 Oct 2025 15:07

Instrument :

BNA\_G

ClientSampleId :

BU-03-101625



Tgt Ion:244 Resp: 324086

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

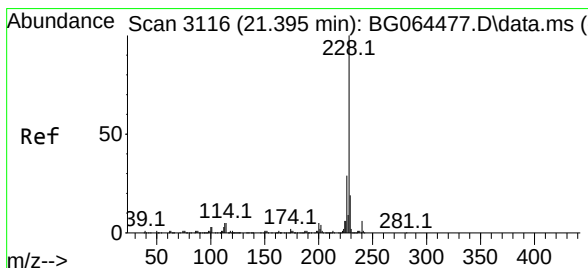
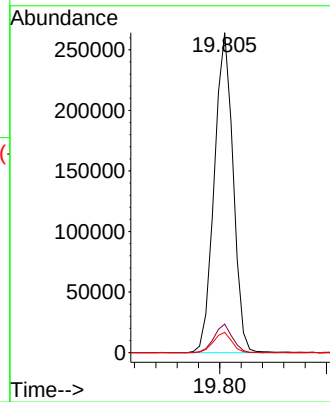
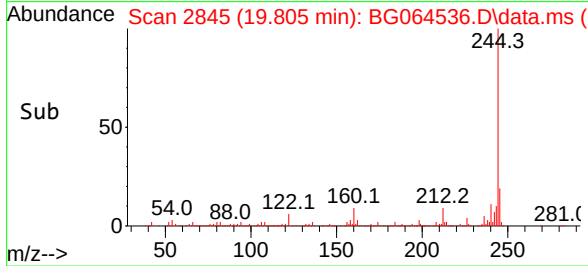
122 6.3 5.6 8.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/20/2025



#81

Benzo(a)anthracene

Concen: 3.226 ng

RT: 21.391 min Scan# 3115

Delta R.T. -0.002 min

Lab File: BG064536.D

Acq: 17 Oct 2025 15:07

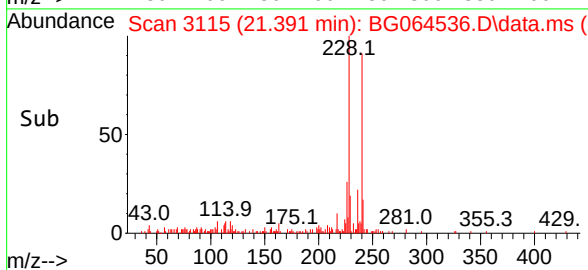
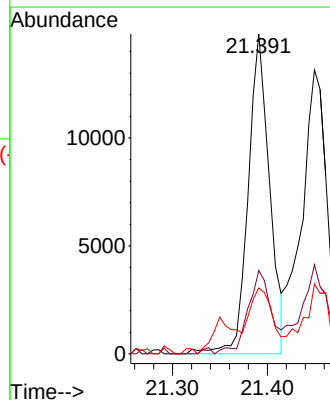
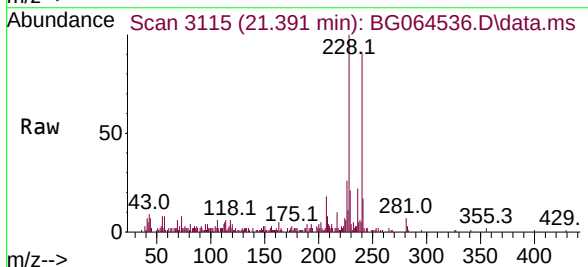
Tgt Ion:228 Resp: 23233

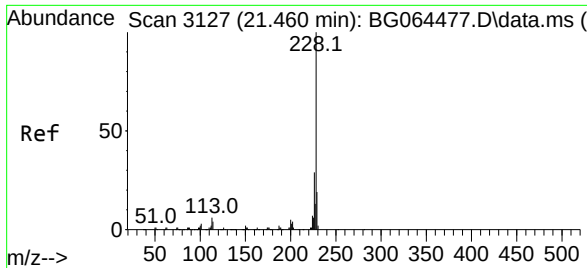
Ion Ratio Lower Upper

228 100

226 26.0 22.8 34.2

229 20.6 15.2 22.8





#83

Chrysene

Concen: 3.353 ng m

RT: 21.450 min Scan# 3127

Delta R.T. -0.002 min

Lab File: BG064536.D

Acq: 17 Oct 2025 15:07

Instrument :

BNA\_G

ClientSampleId :

BU-03-101625

Tgt Ion:228 Resp: 22900

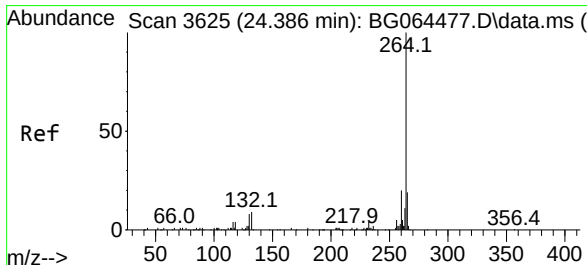
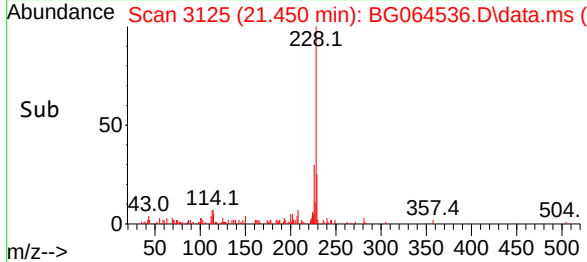
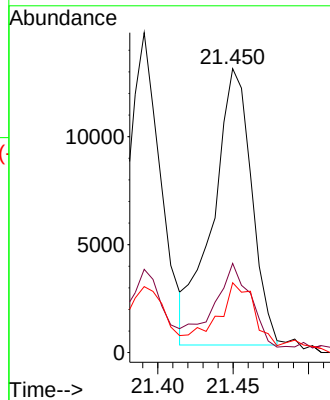
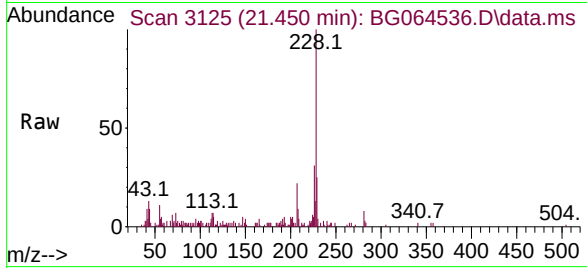
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.4  | 22.8  | 34.2  |
| 229 | 24.6  | 15.4  | 23.0  |

Manual Integrations

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Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.387 min Scan# 3625

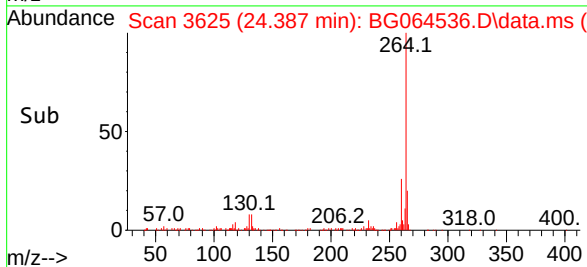
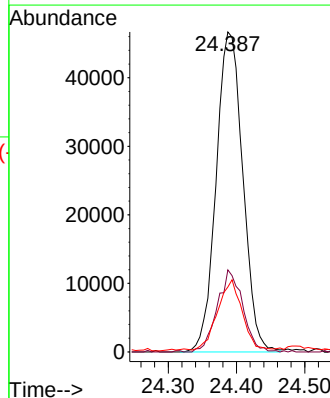
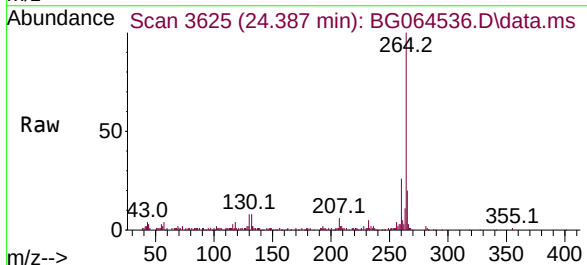
Delta R.T. -0.002 min

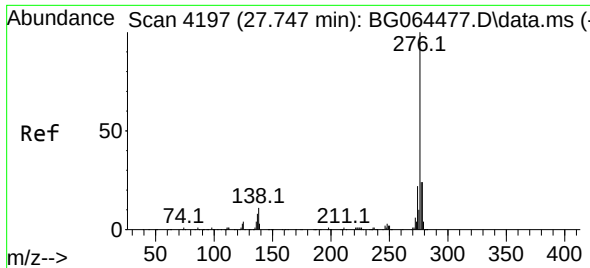
Lab File: BG064536.D

Acq: 17 Oct 2025 15:07

Tgt Ion:264 Resp: 126305

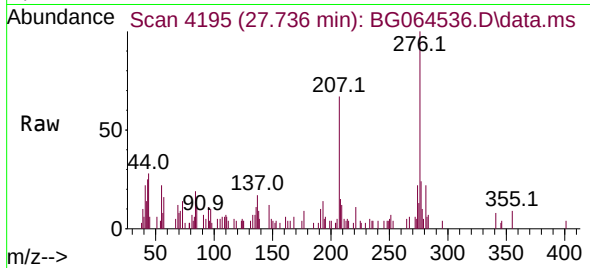
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.6  | 16.2  | 24.4  |
| 265 | 20.3  | 15.0  | 22.4  |





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.395 ng  
 RT: 27.736 min Scan# 4197  
 Delta R.T. 0.004 min  
 Lab File: BG064536.D  
 Acq: 17 Oct 2025 15:07

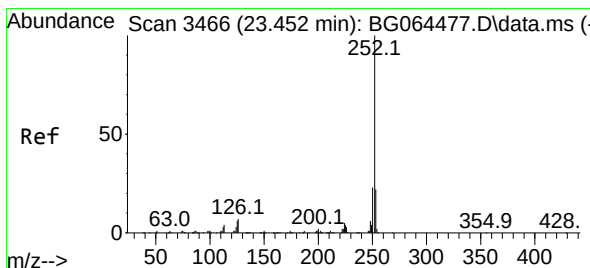
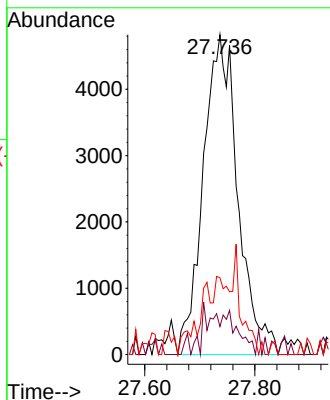
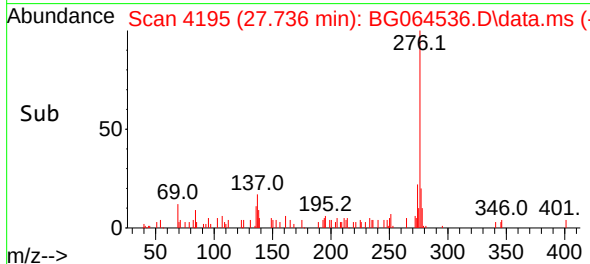
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-101625



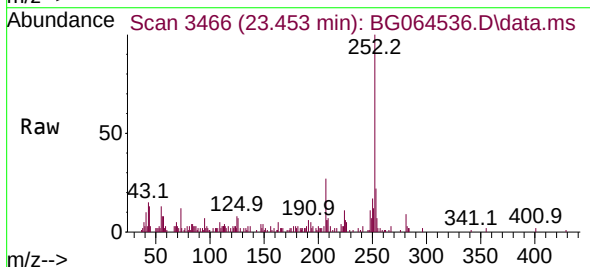
Tgt Ion: 276 Resp: 21060  
 Ion Ratio Lower Upper  
 276 100  
 138 0.0 10.8 16.2  
 277 2.4 20.3 30.5

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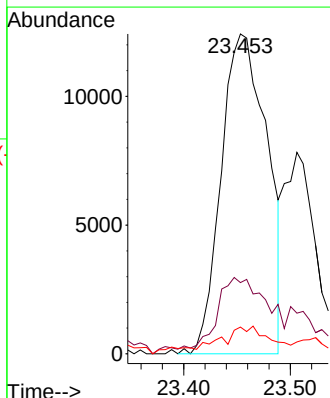
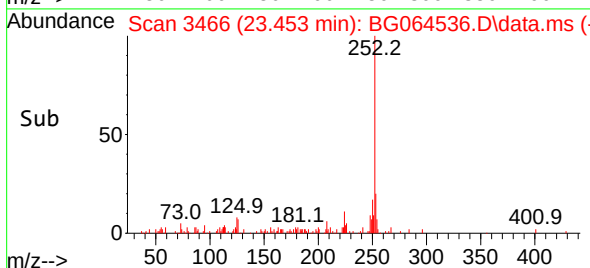
Reviewed By :Rahul Chavli 10/20/2025  
 Supervised By :Jagrut Upadhyay 10/20/2025

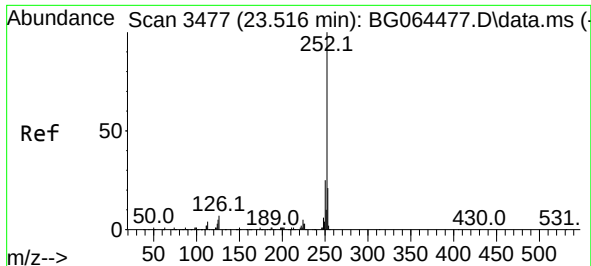


#88  
 Benzo(b)fluoranthene  
 Concen: 5.166 ng  
 RT: 23.453 min Scan# 3466  
 Delta R.T. 0.004 min  
 Lab File: BG064536.D  
 Acq: 17 Oct 2025 15:07



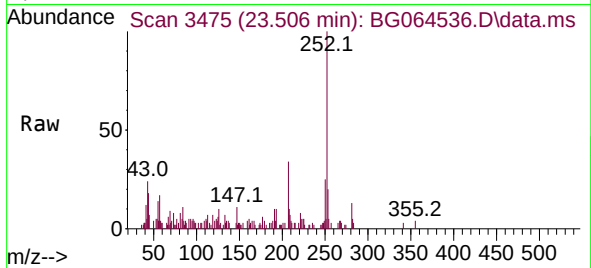
Tgt Ion: 252 Resp: 37119  
 Ion Ratio Lower Upper  
 252 100  
 253 22.3 17.5 26.3  
 125 8.4 4.5 6.7





#89  
Benzo(k)fluoranthene  
Concen: 2.116 ng m  
RT: 23.506 min Scan# 3477  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

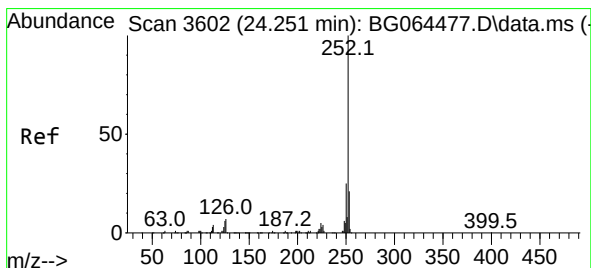
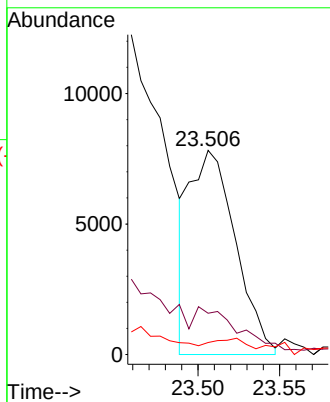
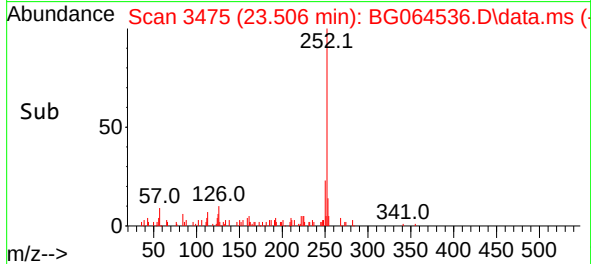
Instrument :  
BNA\_G  
ClientSampleId :  
BU-03-101625



Tgt Ion:252 Resp: 15317  
Ion Ratio Lower Upper  
252 100  
253 20.2 17.4 26.2  
125 5.9 4.0 6.0

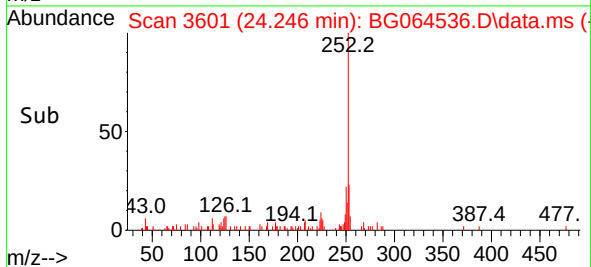
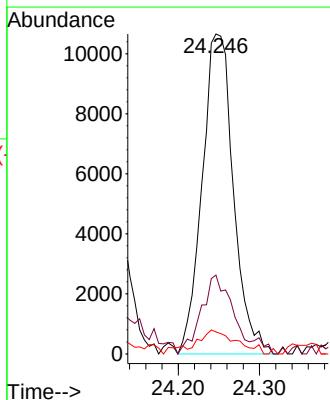
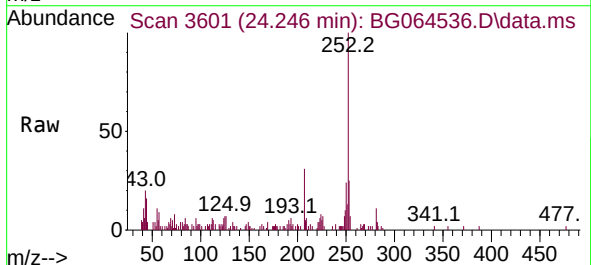
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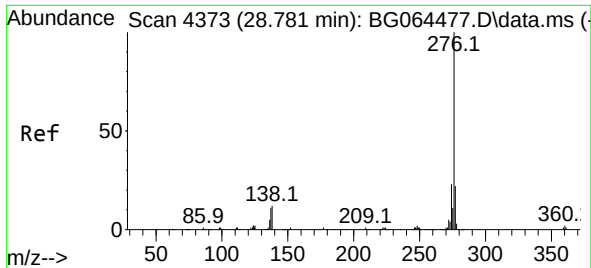
Reviewed By :Rahul Chavli 10/20/2025  
Supervised By :Jagrut Upadhyay 10/20/2025



#90  
Benzo(a)pyrene  
Concen: 4.299 ng  
RT: 24.246 min Scan# 3601  
Delta R.T. -0.002 min  
Lab File: BG064536.D  
Acq: 17 Oct 2025 15:07

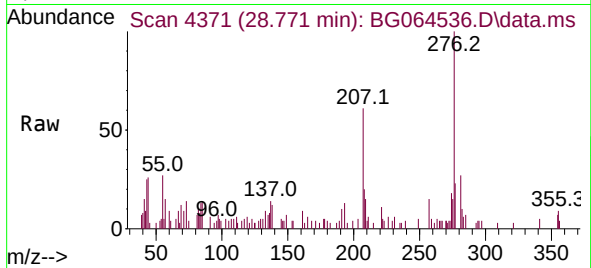
Tgt Ion:252 Resp: 28473  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.1 25.7  
125 6.9 4.6 6.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.243 ng  
 RT: 28.771 min Scan# 4371  
 Delta R.T. 0.004 min  
 Lab File: BG064536.D  
 Acq: 17 Oct 2025 15:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-03-101625



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 2215 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 22.7  | 17.8  | 26.6 |
| 138       | 11.6  | 9.4   | 14.0 |

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Reviewed By :Rahul Chavli 10/20/2025  
 Supervised By :Jagrut Upadhyay 10/20/2025

