

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061025\  
 Data File : BP024899.D  
 Acq On : 10 Jun 2025 18:30  
 Operator : RC/JU  
 Sample : Q2177-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 B-202-SB01

Manual Integrations  
 APPROVED

Reviewed By :Anahy Claudio 06/11/2025  
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 02:04:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 06 16:20:27 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.608  | 152  | 258806   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.378 | 136  | 1052781  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.248 | 164  | 660296   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.054 | 188  | 1279796  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.489 | 240  | 1406584  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.766 | 264  | 1730554  | 20.000  | ng    | 0.05     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.237  | 112  | 1661528  | 107.162 | ng    | 0.00     |
| 7) Phenol-d6                | 6.814  | 99   | 2195717  | 107.033 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.761  | 82   | 1311010  | 60.512  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.778 | 330  | 1028434  | 112.656 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.860 | 172  | 2824048  | 57.616  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.783 | 244  | 4388776  | 55.921  | ng    | -0.01    |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.101 | 178  | 412561   | 5.833   | ng    | 99       |
| 75) Fluoranthene            | 19.189 | 202  | 521508   | 6.362   | ng    | 98       |
| 78) Pyrene                  | 19.566 | 202  | 507574   | 5.776   | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.466 | 228  | 212605   | 2.363   | ng    | 95       |
| 83) Chrysene                | 21.536 | 228  | 208166m  | 2.442   | ng    |          |
| 88) Benzo(b)fluoranthene    | 23.724 | 252  | 251939   | 2.544   | ng    | # 83     |
| 90) Benzo(a)pyrene          | 24.601 | 252  | 216412   | 2.237   | ng    | # 87     |
| -----                       |        |      |          |         |       |          |

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

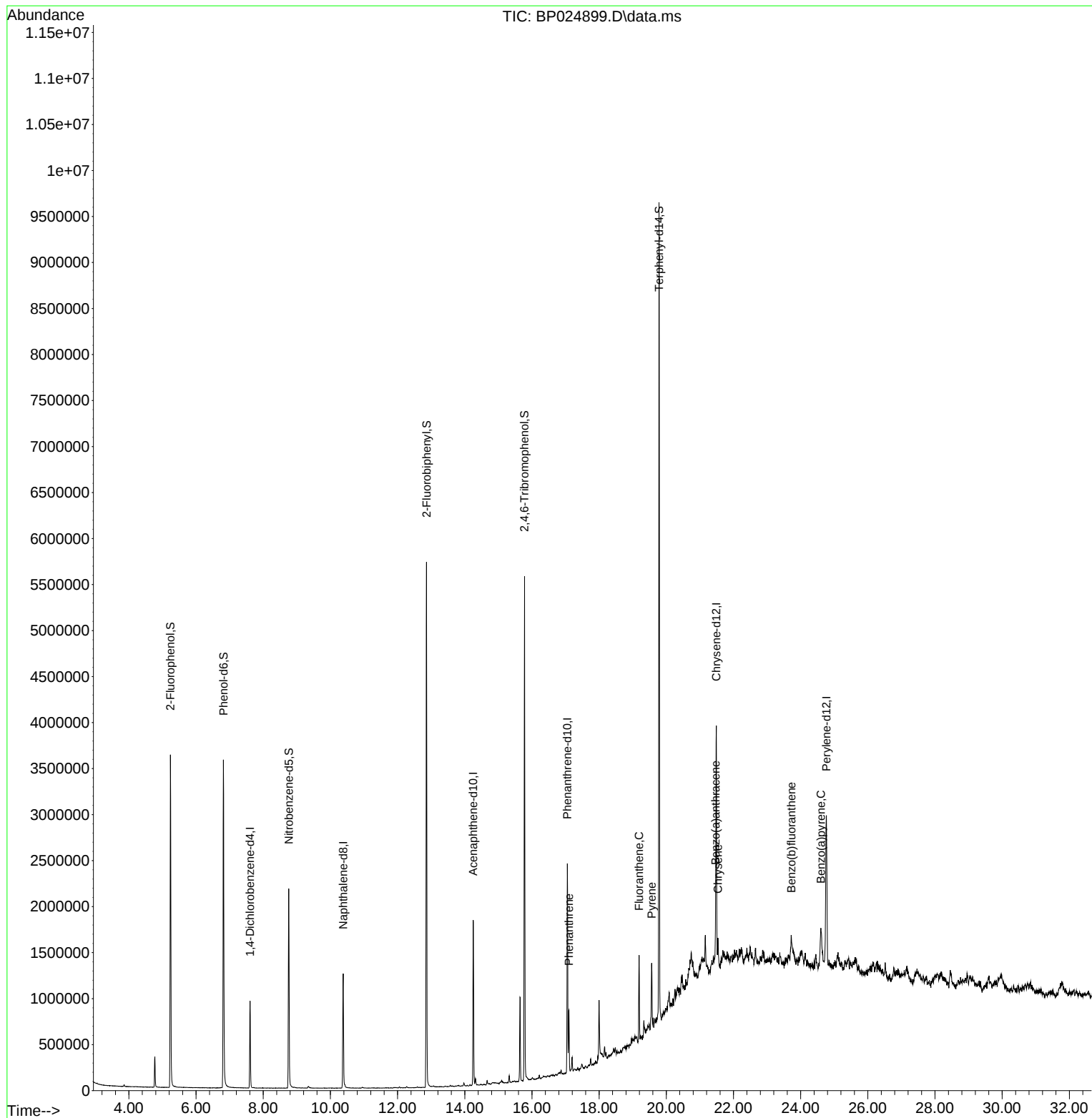
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061025\  
Data File : BP024899.D  
Acq On : 10 Jun 2025 18:30  
Operator : RC/JU  
Sample : Q2177-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

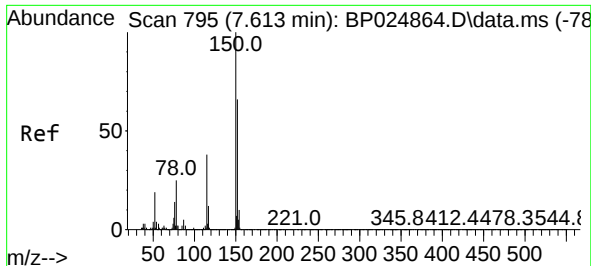
Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01

Quant Time: Jun 11 02:04:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 06 16:20:27 2025  
Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025





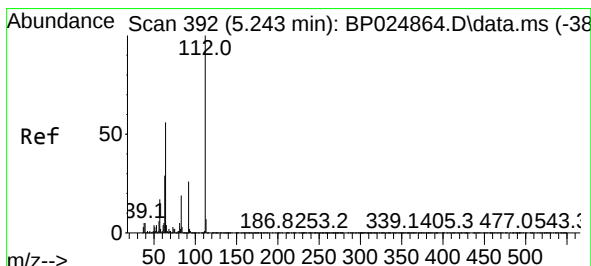
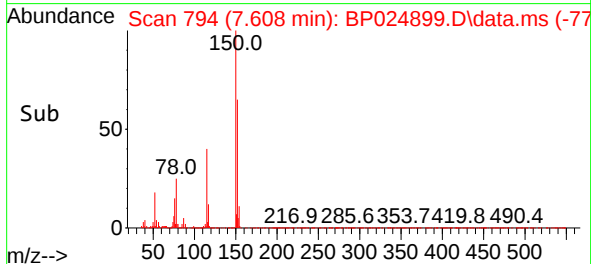
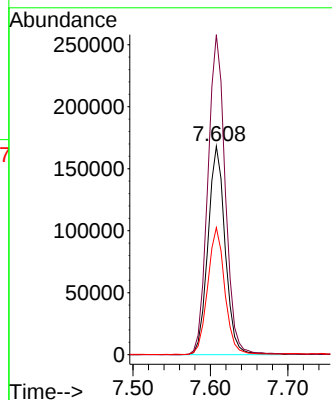
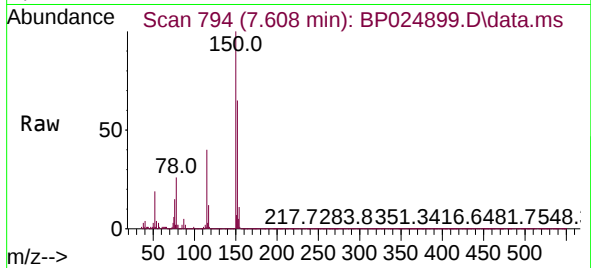
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.608 min Scan# 795  
Delta R.T. -0.005 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01

Tgt Ion:152 Resp: 258800  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.1 183.1  
115 61.0 46.4 69.6

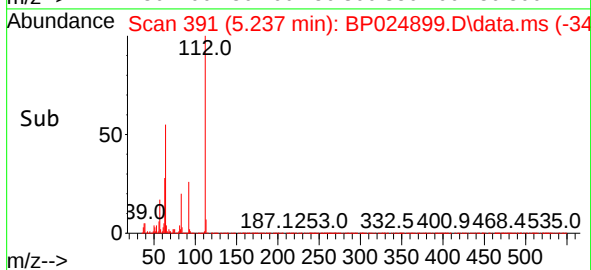
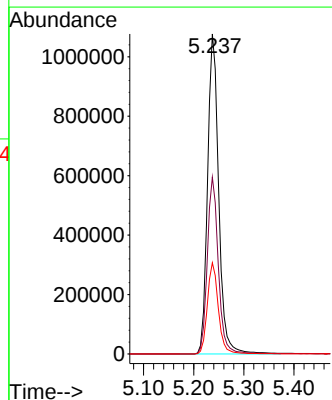
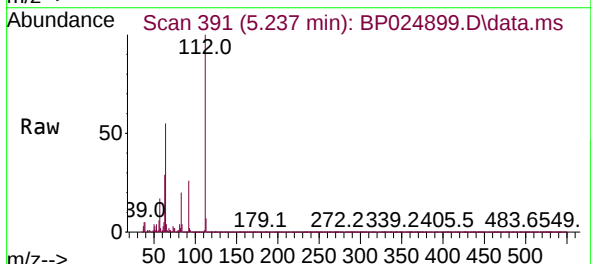
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Supervised By :Jagrut Upadhyay 06/11/2025



#5  
2-Fluorophenol  
Concen: 107.162 ng  
RT: 5.237 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

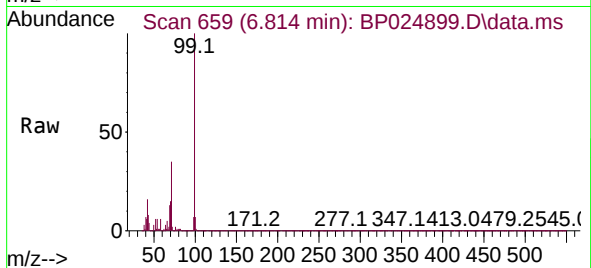
Tgt Ion:112 Resp: 1661528  
Ion Ratio Lower Upper  
112 100  
64 55.3 44.7 67.1  
63 28.5 23.5 35.3





#7  
Phenol-d6  
Concen: 107.033 ng  
RT: 6.814 min Scan# 659  
Delta R.T. 0.000 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

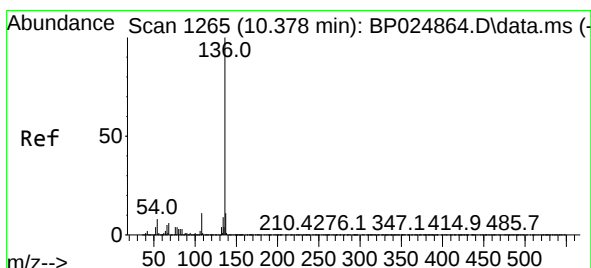
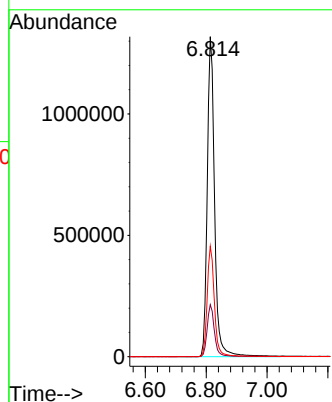
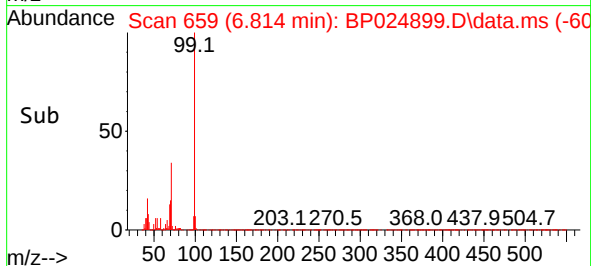
Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01



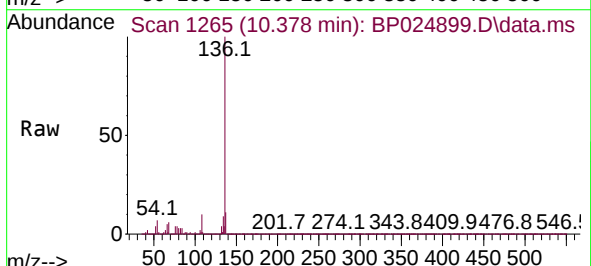
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Ion Ratio Lower Upper  
99 100  
42 16.2 13.4 20.2  
71 34.5 27.6 41.4

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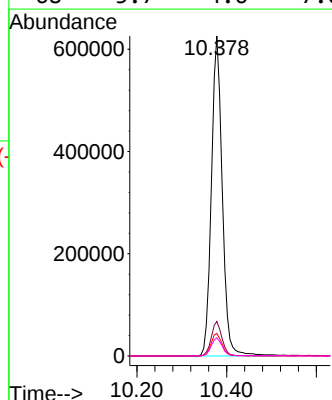
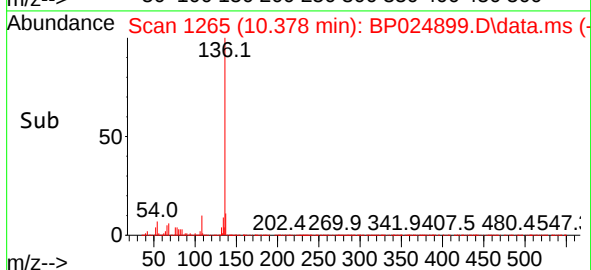
Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025

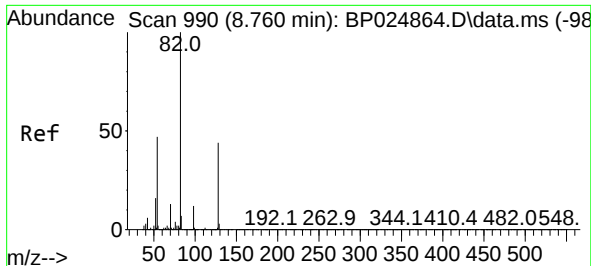


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.378 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30



Tgt Ion:136 Resp: 1052781  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 7.1 6.1 9.1  
68 5.7 4.6 7.0





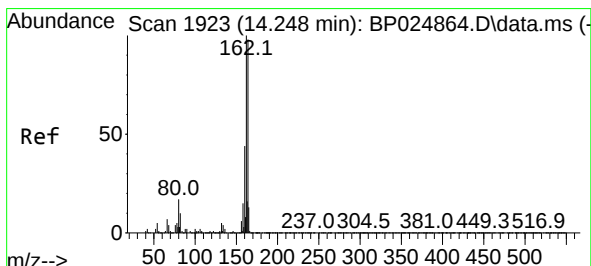
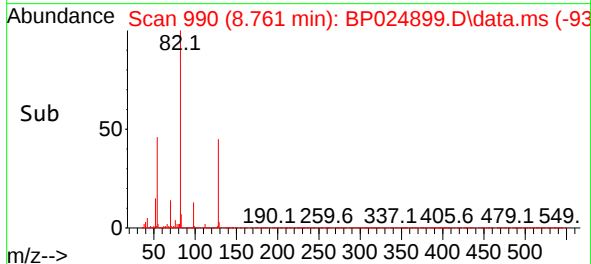
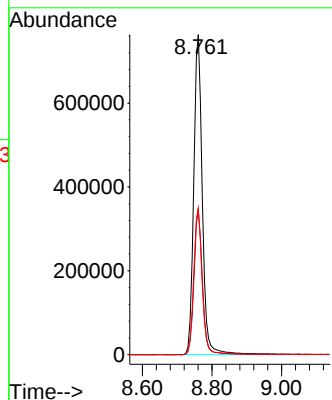
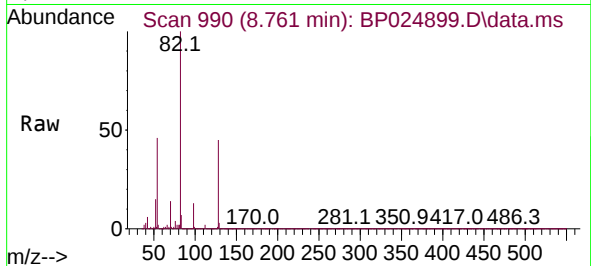
#23  
Nitrobenzene-d5  
Concen: 60.512 ng  
RT: 8.761 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01

Tgt Ion: 82 Resp: 1311010  
Ion Ratio Lower Upper  
82 100  
128 45.2 35.3 52.9  
54 45.9 37.4 56.0

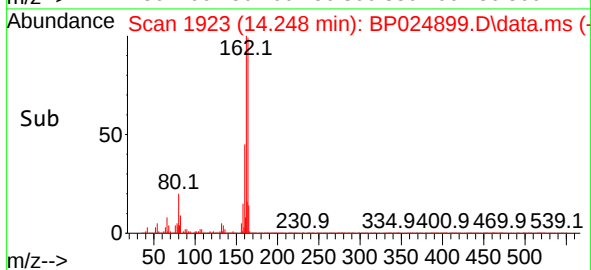
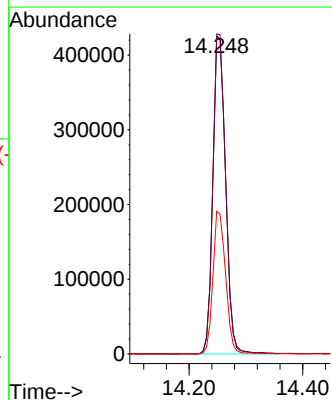
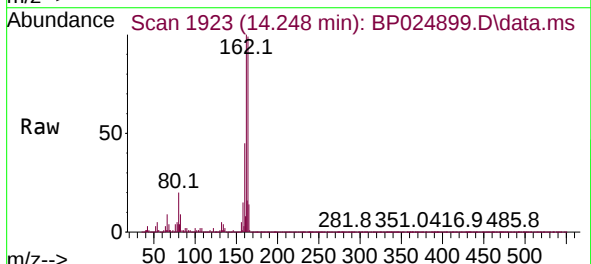
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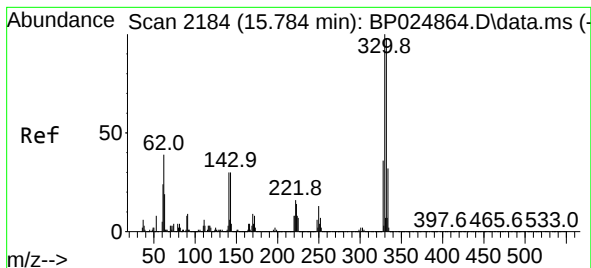
Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.248 min Scan# 1923  
Delta R.T. 0.000 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Tgt Ion:164 Resp: 660296  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.6 122.4  
160 44.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 112.656 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA\_P

ClientSampleId :

B-202-SB01

Tgt Ion:330 Resp: 1028434

Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

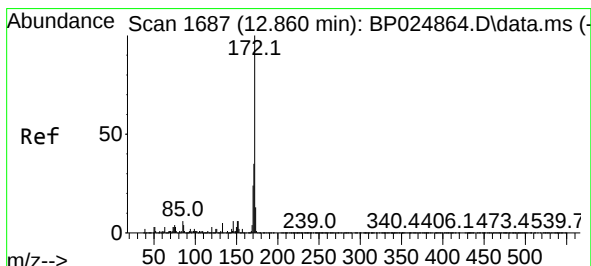
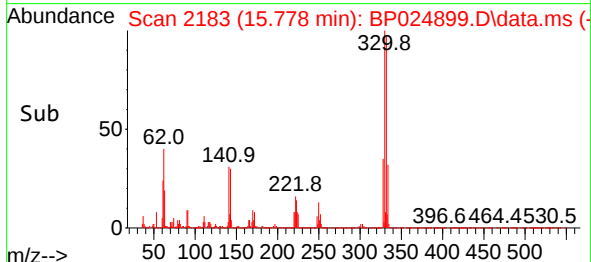
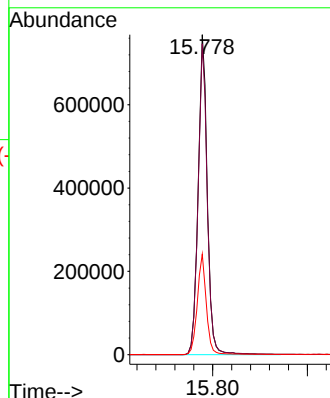
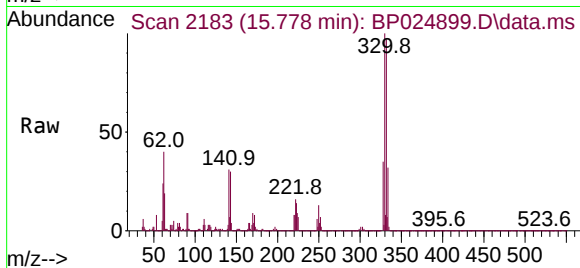
141 30.9 26.4 39.6

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#45

2-Fluorobiphenyl

Concen: 57.616 ng

RT: 12.860 min Scan# 1687

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

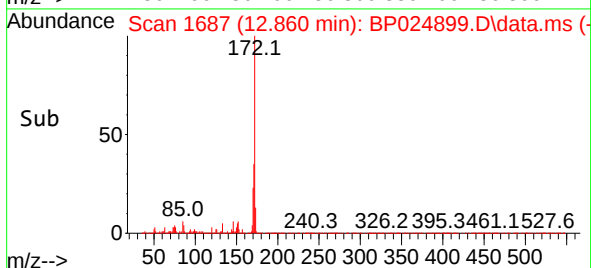
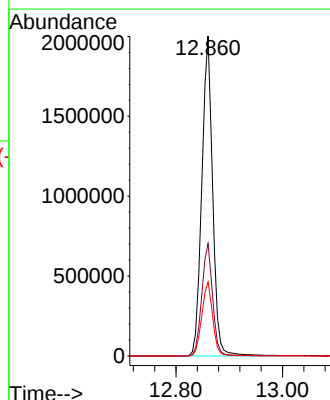
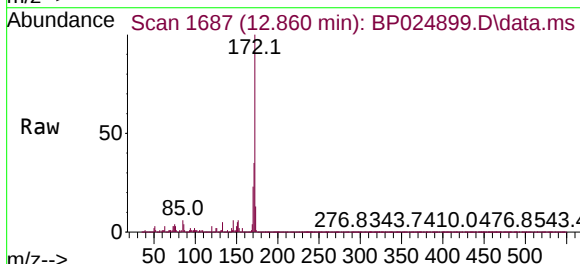
Tgt Ion:172 Resp: 2824048

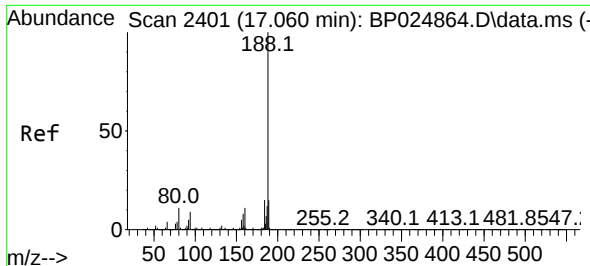
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 19.0 28.4





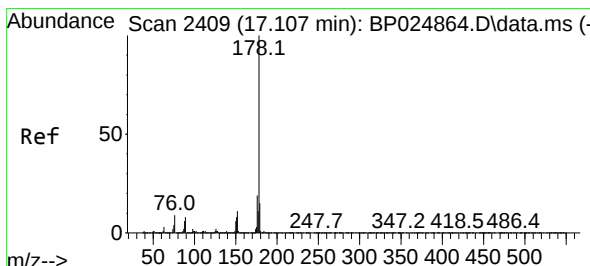
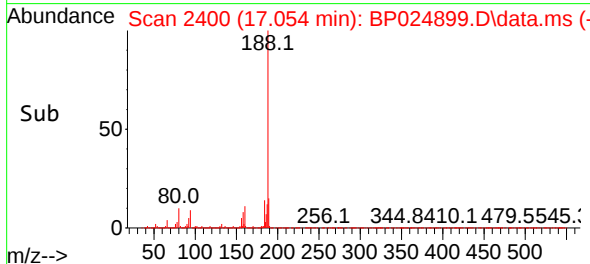
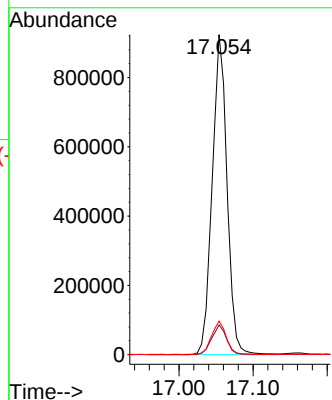
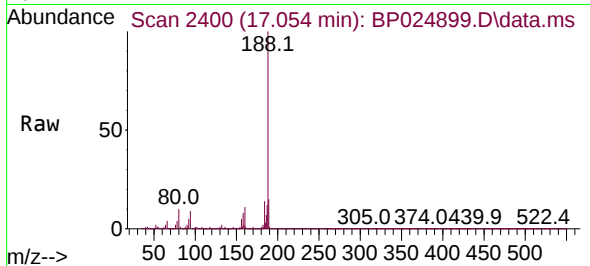
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.054 min Scan# 2400  
Delta R.T. -0.006 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01

Tgt Ion:188 Resp: 1279790  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.3 10.9  
80 10.5 8.5 12.7

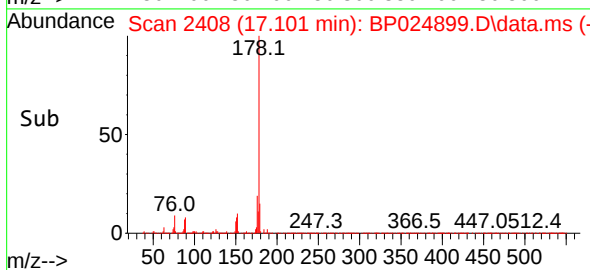
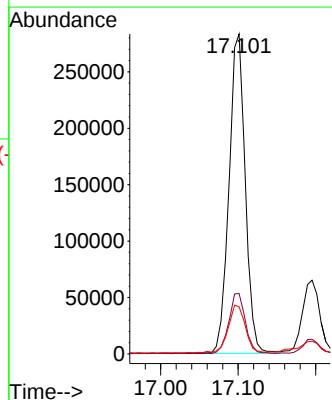
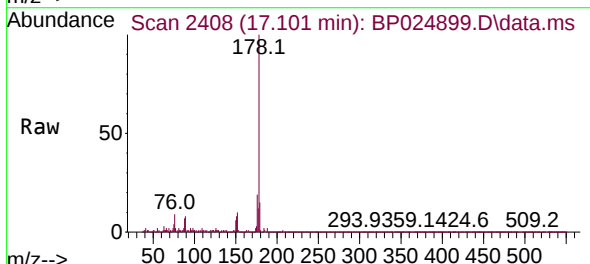
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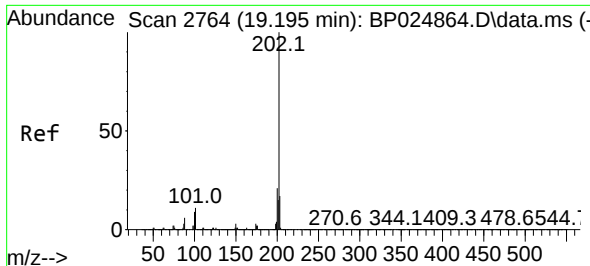
Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025



#71  
Phenanthrene  
Concen: 5.833 ng  
RT: 17.101 min Scan# 2408  
Delta R.T. -0.006 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Tgt Ion:178 Resp: 412561  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 14.8 12.1 18.1





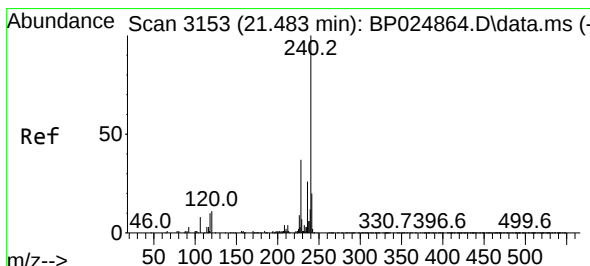
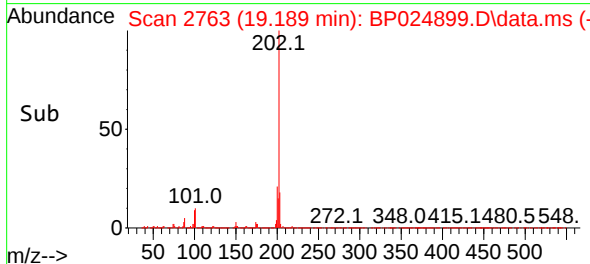
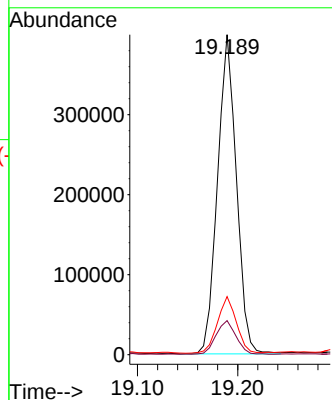
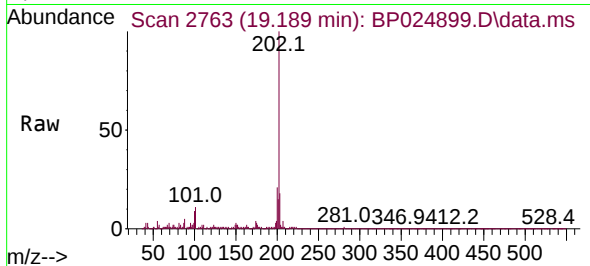
#75  
Fluoranthene  
Concen: 6.362 ng  
RT: 19.189 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Instrument :  
BNA\_P  
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B-202-SB01

Tgt Ion:202 Resp: 521508  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 31.4  
203 18.2 0.0 37.5

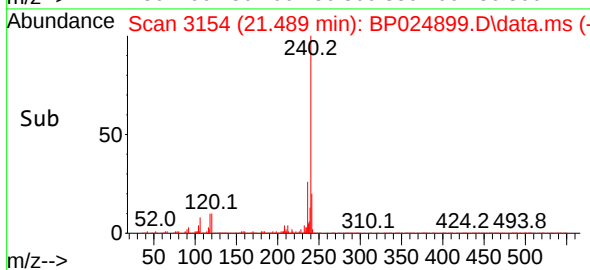
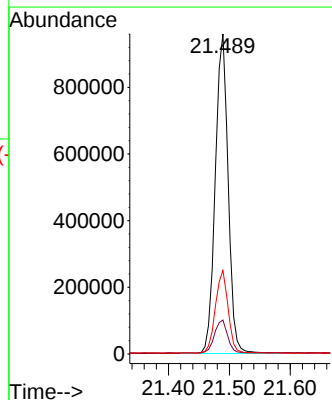
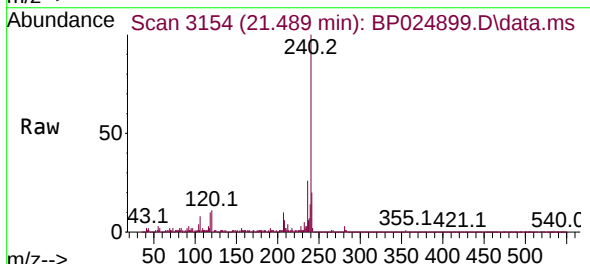
Manual Integrations  
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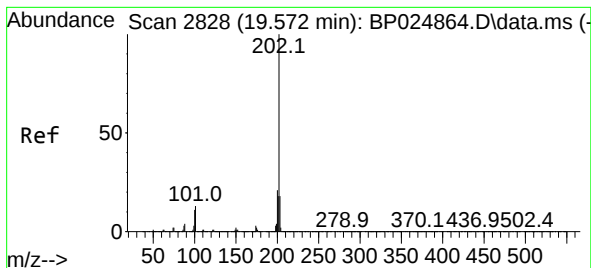
Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.489 min Scan# 3154  
Delta R.T. 0.006 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Tgt Ion:240 Resp: 1406584  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.9 13.3  
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.776 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA\_P

ClientSampleId :

B-202-SB01

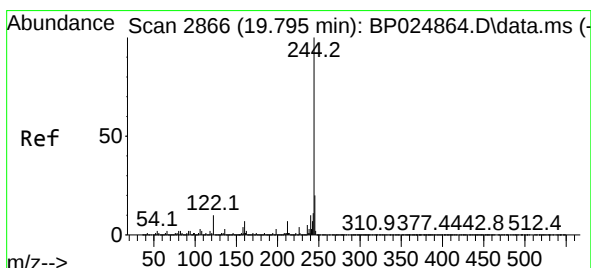
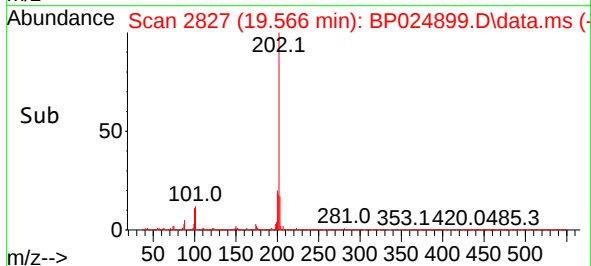
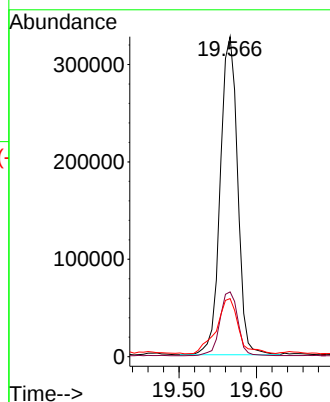
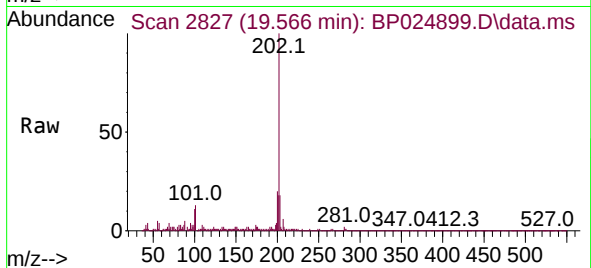
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 507574 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.3  | 17.1  | 25.7   |
| 203       | 18.1  | 14.0  | 21.0   |

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/11/2025



#79

Terphenyl-d14

Concen: 55.921 ng

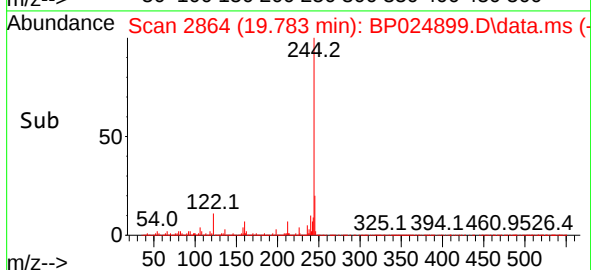
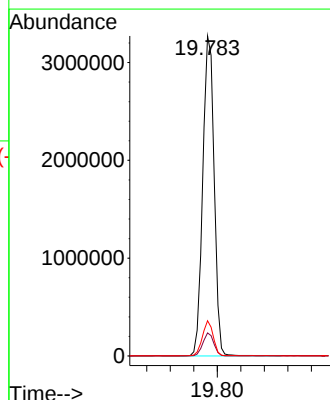
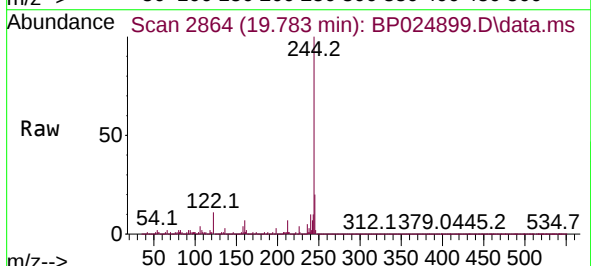
RT: 19.783 min Scan# 2864

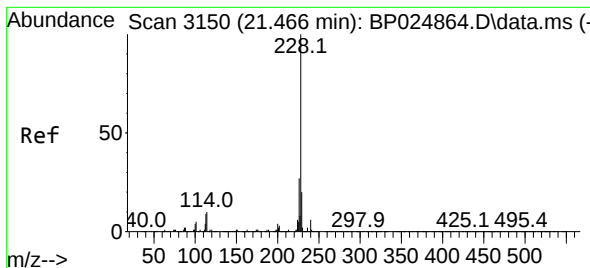
Delta R.T. -0.012 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 4388776 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.2   | 5.6   | 8.4     |
| 122       | 11.0  | 7.7   | 11.5    |





#81

Benzo(a)anthracene

Concen: 2.363 ng

RT: 21.466 min Scan# 3150

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA\_P

ClientSampleId :

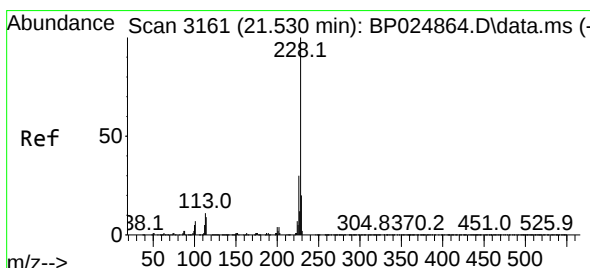
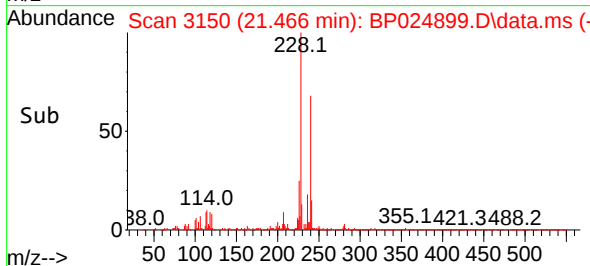
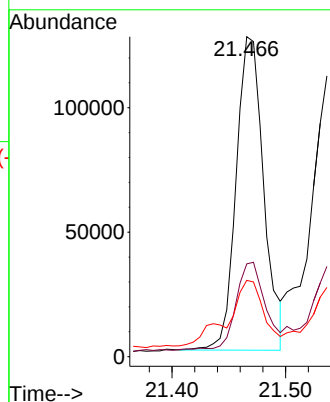
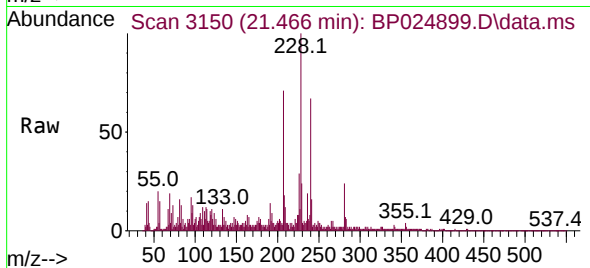
B-202-SB01

Tgt Ion:228 Resp: 212600  
 Ion Ratio Lower Upper  
 228 100  
 226 29.0 22.1 33.1  
 229 23.9 15.9 23.9

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025  
 Supervised By :Jagrut Upadhyay 06/11/2025



#83

Chrysene

Concen: 2.442 ng m

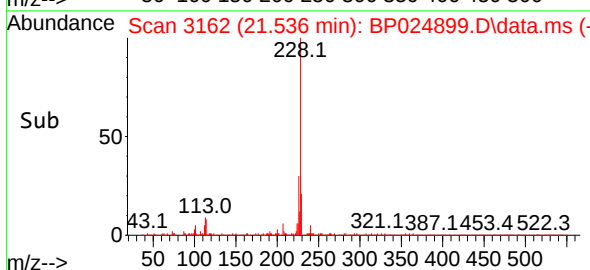
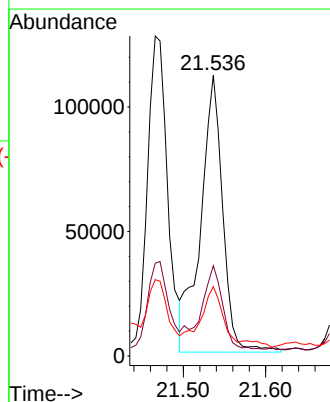
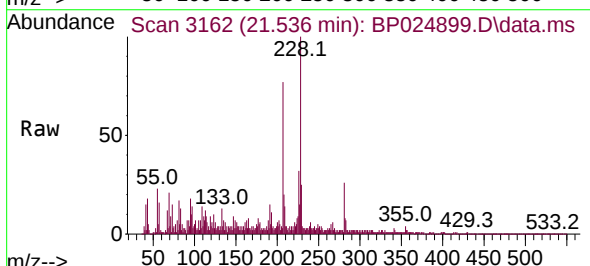
RT: 21.536 min Scan# 3162

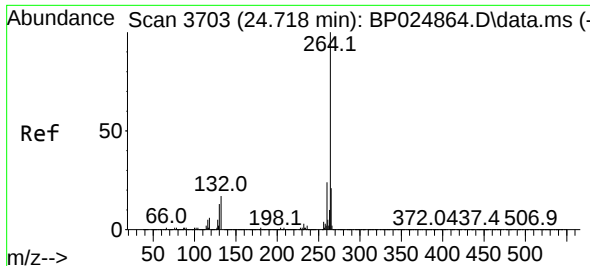
Delta R.T. 0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

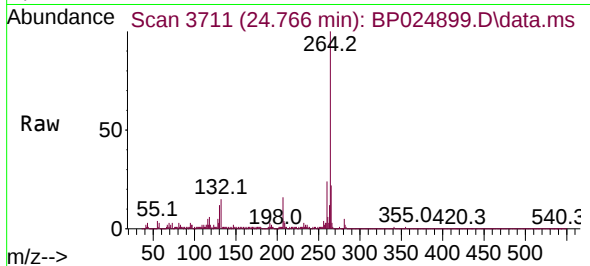
Tgt Ion:228 Resp: 208166  
 Ion Ratio Lower Upper  
 228 100  
 226 32.2 23.8 35.6  
 229 24.7 15.6 23.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.766 min Scan# 31  
Delta R.T. 0.047 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

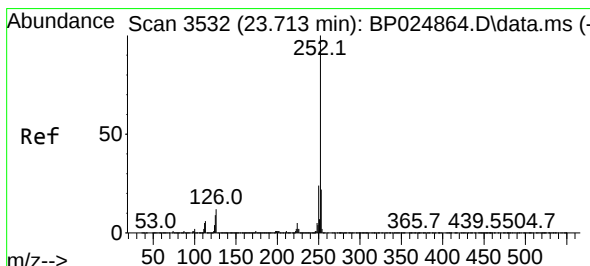
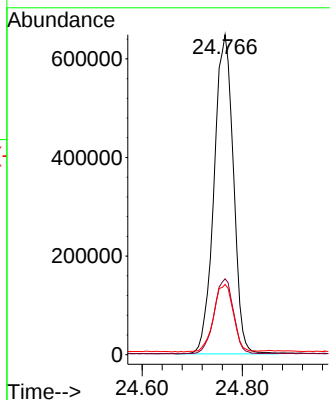
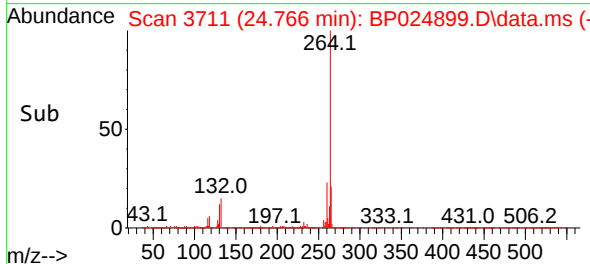
Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01



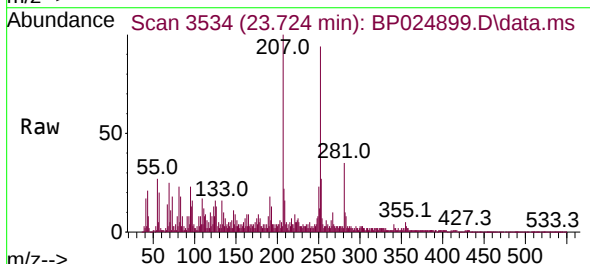
Tgt Ion:264 Resp: 1730554  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.0 28.4  
265 22.0 17.4 26.0

Manual Integrations  
APPROVED

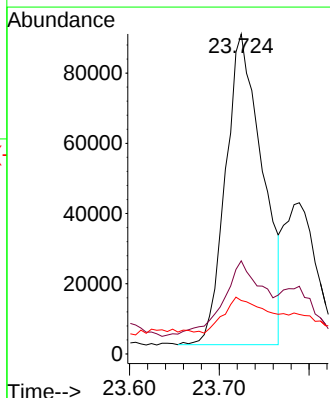
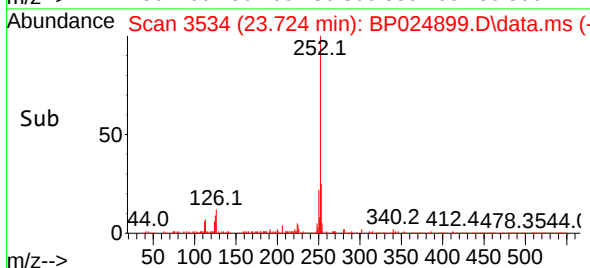
Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025

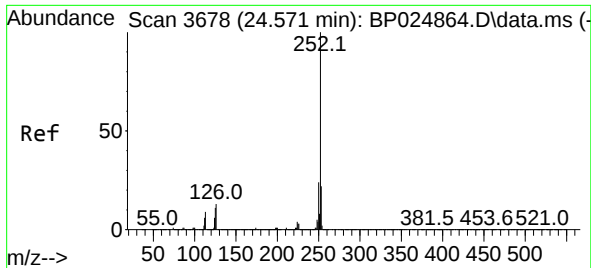


#88  
Benzo(b)fluoranthene  
Concen: 2.544 ng  
RT: 23.724 min Scan# 3534  
Delta R.T. 0.012 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30



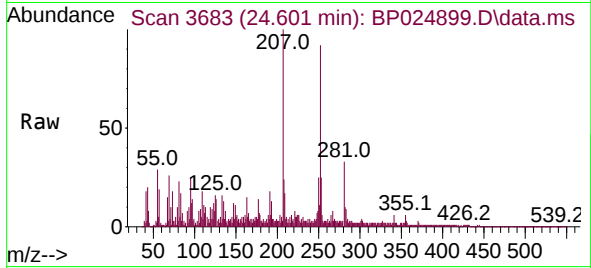
Tgt Ion:252 Resp: 251939  
Ion Ratio Lower Upper  
252 100  
253 29.1 17.6 26.4#  
125 16.7 7.1 10.7#





#90  
Benzo(a)pyrene  
Concen: 2.237 ng  
RT: 24.601 min Scan# 30  
Delta R.T. 0.029 min  
Lab File: BP024899.D  
Acq: 10 Jun 2025 18:30

Instrument :  
BNA\_P  
ClientSampleId :  
B-202-SB01



Tgt Ion:252 Resp: 21641  
Ion Ratio Lower Upper  
252 100  
253 27.6 17.5 26.3  
125 17.0 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 06/11/2025  
Supervised By :Jagrut Upadhyay 06/11/2025

