

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082925\  
 Data File : BP025633.D  
 Acq On : 29 Aug 2025 20:11  
 Operator : CG/JU  
 Sample : Q2979-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-A

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 09/02/2025  
 Supervised By :Jagrut Upadhyay 09/02/2025

Quant Time: Aug 29 22:39:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.772  | 152  | 151981   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.537 | 136  | 589723   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.389 | 164  | 382873   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.195 | 188  | 768736   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.636 | 240  | 887404   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 25.012 | 264  | 996003   | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.396  | 112  | 738312   | 80.675 | ng    | -0.01    |
| 7) Phenol-d6                | 6.960  | 99   | 928012   | 79.093 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.913  | 82   | 599577   | 51.431 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.907 | 330  | 428160   | 83.081 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.001 | 172  | 1315935  | 46.973 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.918 | 244  | 2214221  | 45.651 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.236 | 178  | 131174   | 3.106  | ng    | 99       |
| 75) Fluoranthene            | 19.318 | 202  | 398472   | 7.911  | ng    | 99       |
| 78) Pyrene                  | 19.695 | 202  | 452193   | 7.840  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.612 | 228  | 242315   | 4.140  | ng    | 95       |
| 83) Chrysene                | 21.689 | 228  | 243203m  | 4.437  | ng    |          |
| 88) Benzo(b)fluoranthene    | 23.936 | 252  | 278088   | 4.735  | ng    | 98       |
| 90) Benzo(a)pyrene          | 24.836 | 252  | 222759   | 3.896  | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 30.024 | 276  | 153060   | 2.609  | ng    | # 94     |
| -----                       |        |      |          |        |       |          |

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

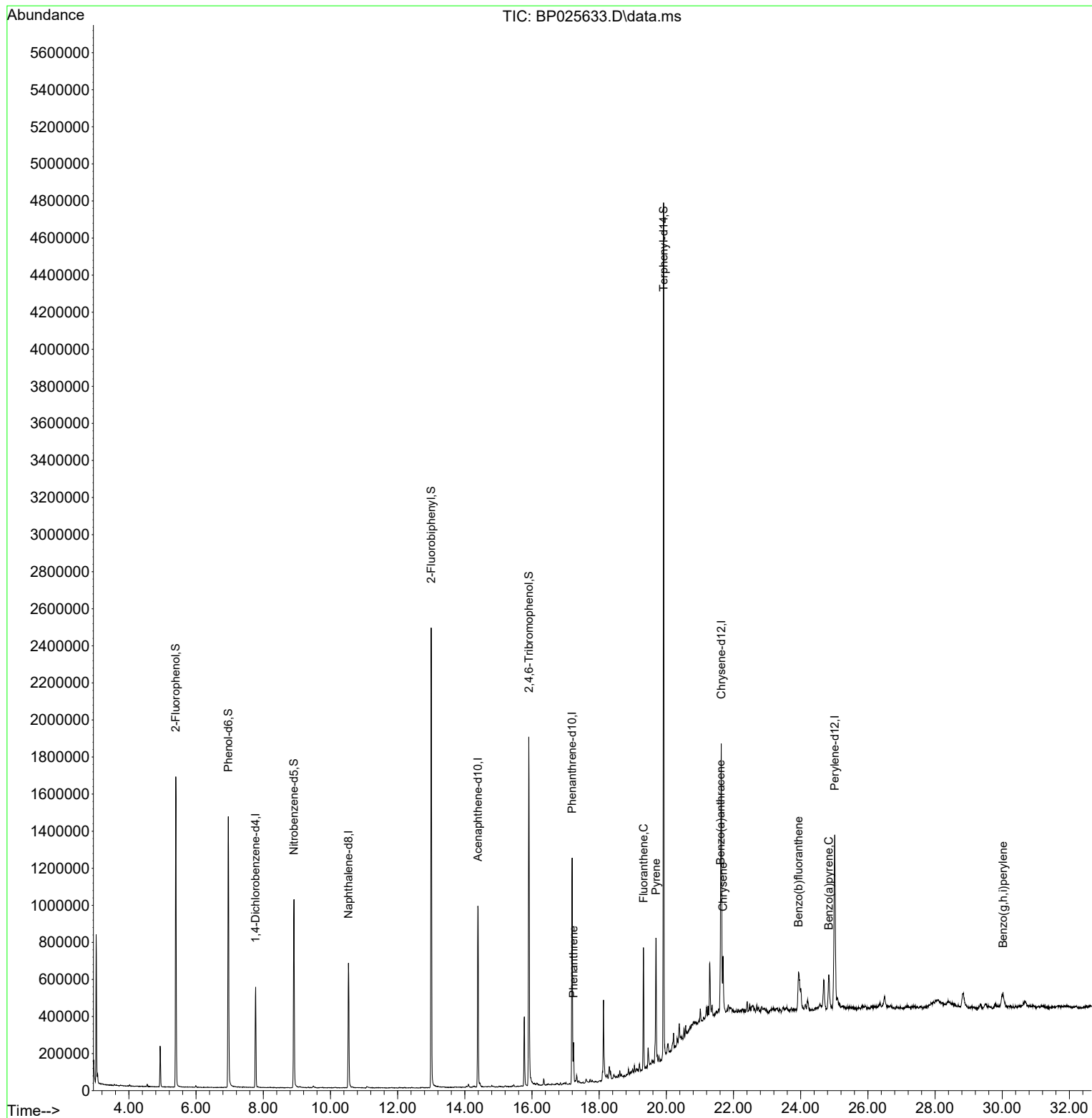
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082925\  
Data File : BP025633.D  
Acq On : 29 Aug 2025 20:11  
Operator : CG/JU  
Sample : Q2979-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

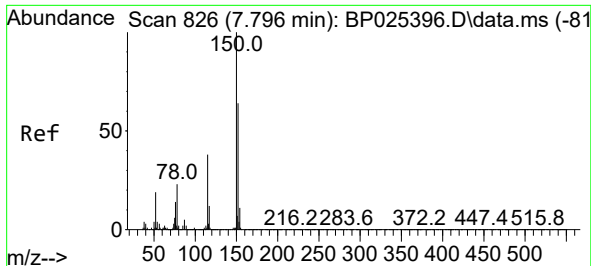
Instrument :  
BNA\_P  
ClientSampleId :  
SP-A

Quant Time: Aug 29 22:39:42 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 14 18:14:31 2025  
Response via : Initial Calibration

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Supervised By :Jagrut Upadhyay 09/02/2025





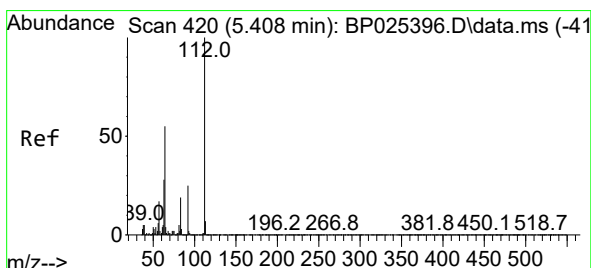
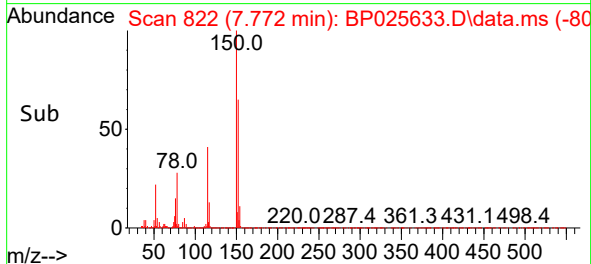
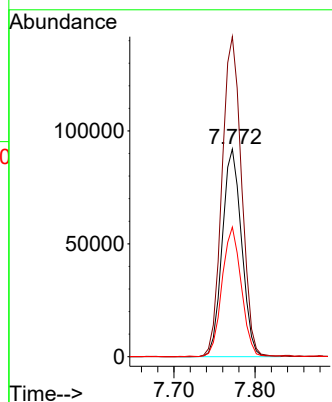
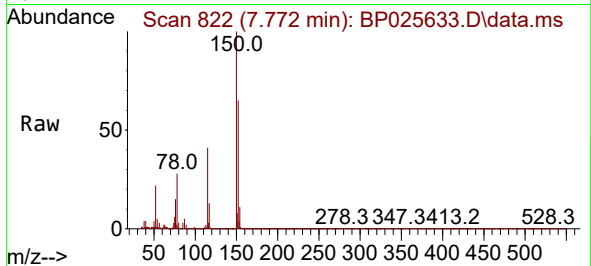
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.772 min Scan# 81  
Delta R.T. -0.024 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

Instrument :  
BNA\_P  
ClientSampleId :  
SP-A

Tgt Ion:152 Resp: 15198  
Ion Ratio Lower Upper  
152 100  
150 154.0 125.9 188.9  
115 62.4 48.5 72.7

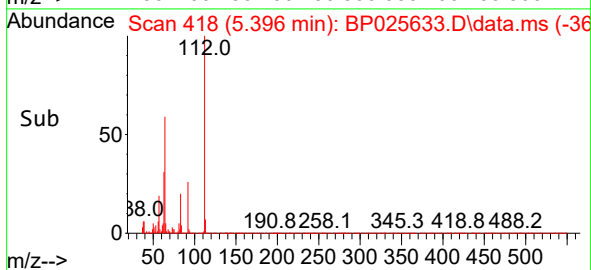
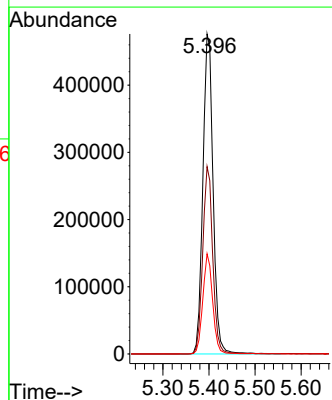
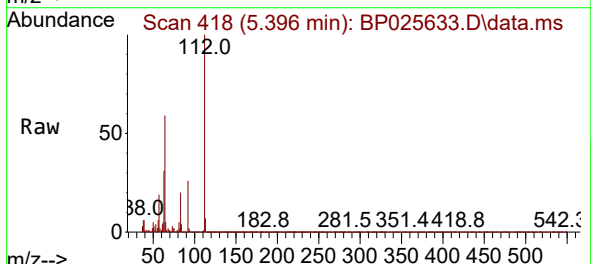
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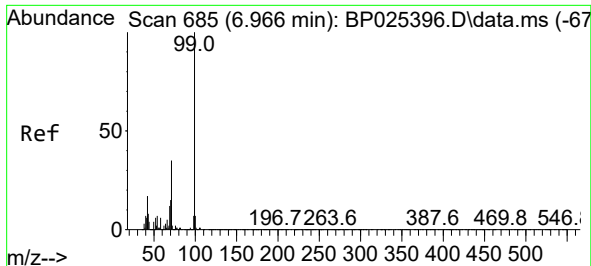
Reviewed By :Rahul Chavli 09/02/2025  
Supervised By :Jagrut Upadhyay 09/02/2025



#5  
2-Fluorophenol  
Concen: 80.675 ng  
RT: 5.396 min Scan# 418  
Delta R.T. -0.012 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

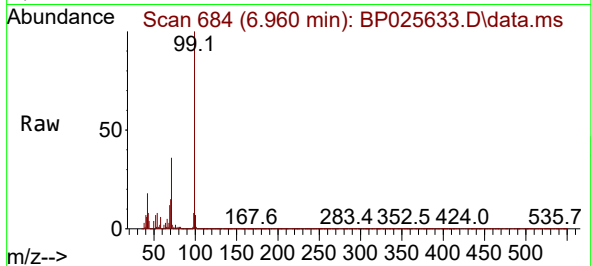
Tgt Ion:112 Resp: 738312  
Ion Ratio Lower Upper  
112 100  
64 58.6 43.8 65.8  
63 31.3 22.7 34.1





#7  
Phenol-d6  
Concen: 79.093 ng  
RT: 6.960 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

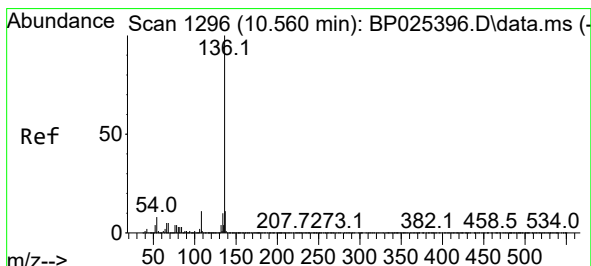
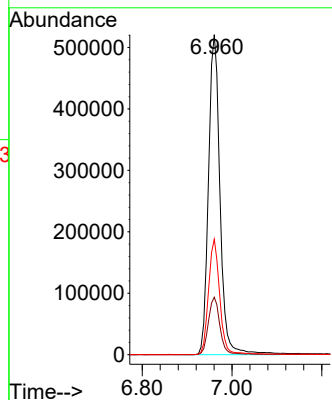
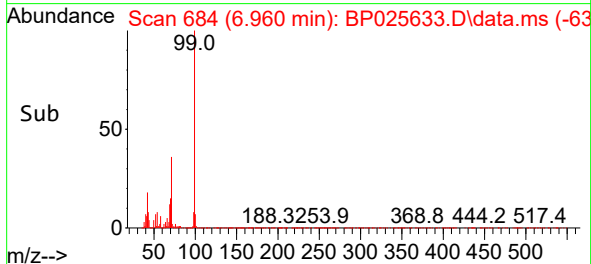
Instrument :  
BNA\_P  
ClientSampleId :  
SP-A



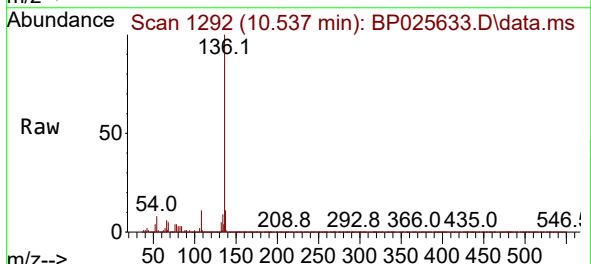
Tgt Ion: 99 Resp: 92801  
Ion Ratio Lower Upper  
99 100  
42 17.9 13.7 20.5  
71 36.1 28.2 42.4

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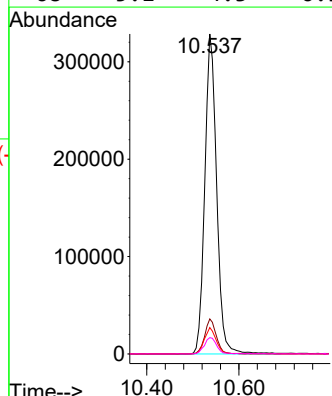
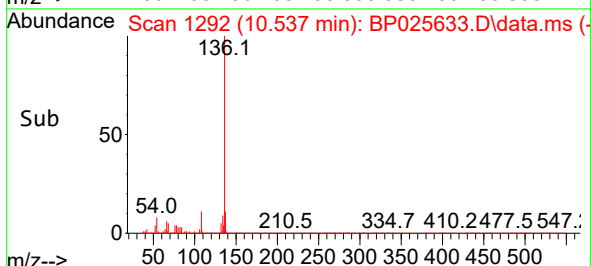
Reviewed By :Rahul Chavli 09/02/2025  
Supervised By :Jagrut Upadhyay 09/02/2025

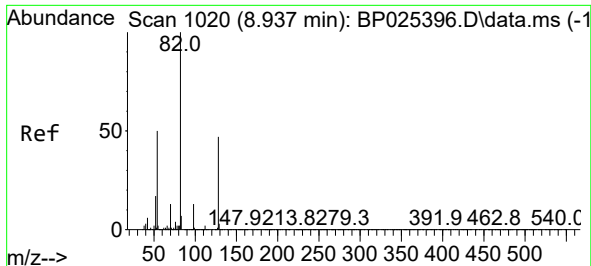


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.537 min Scan# 1292  
Delta R.T. -0.024 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11



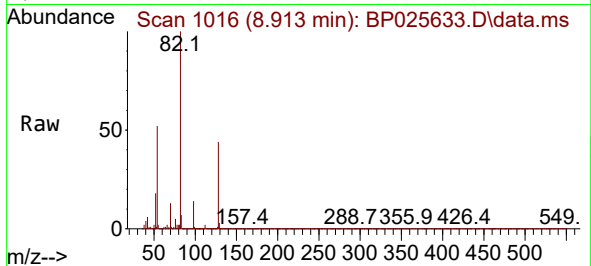
Tgt Ion:136 Resp: 589723  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.2 13.8  
54 8.3 6.0 9.0  
68 5.1 4.3 6.5





#23  
Nitrobenzene-d5  
Concen: 51.431 ng  
RT: 8.913 min Scan# 1016  
Delta R.T. -0.024 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

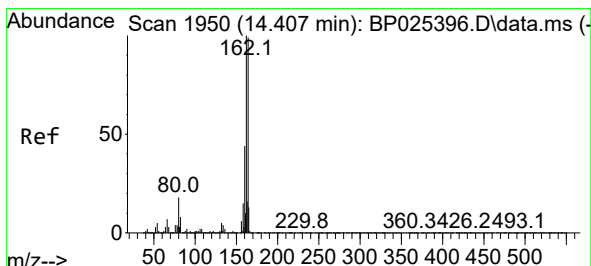
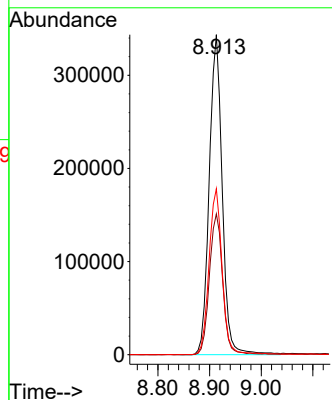
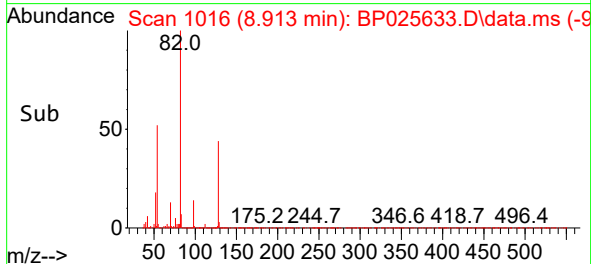
Instrument :  
BNA\_P  
ClientSampleId :  
SP-A



Tgt Ion: 82 Resp: 59957  
Ion Ratio Lower Upper  
82 100  
128 44.0 37.7 56.5  
54 51.9 39.8 59.6

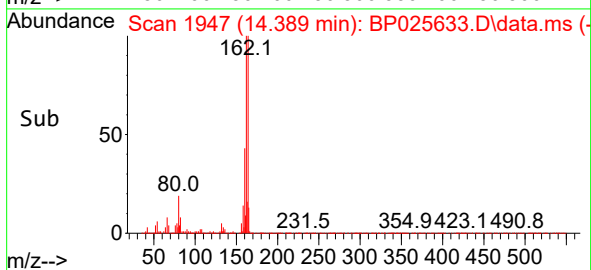
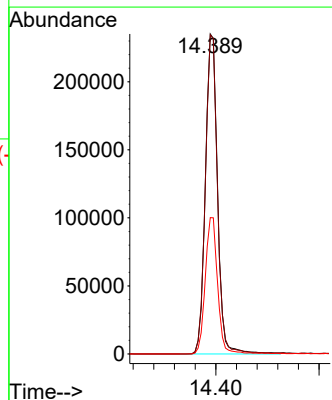
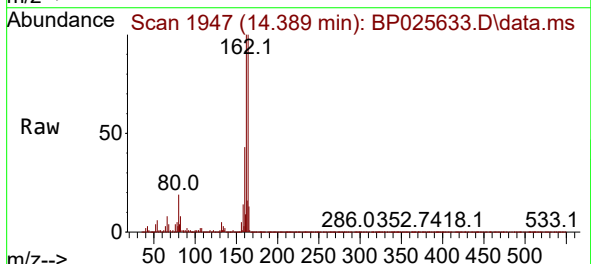
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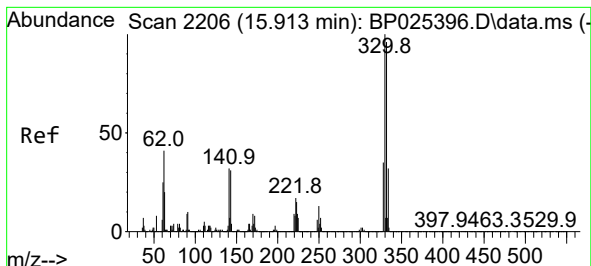
Reviewed By :Rahul Chavli 09/02/2025  
Supervised By :Jagrut Upadhyay 09/02/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.389 min Scan# 1947  
Delta R.T. -0.018 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

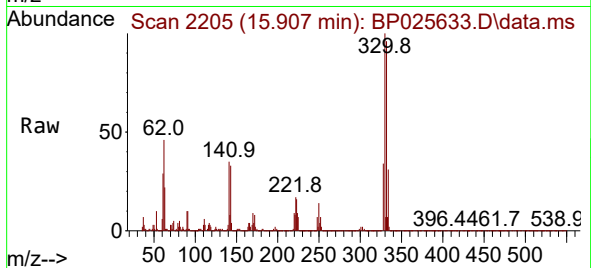
Tgt Ion:164 Resp: 382873  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.0 121.6  
160 42.6 35.4 53.2





#42  
2,4,6-Tribromophenol  
Concen: 83.081 ng  
RT: 15.907 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

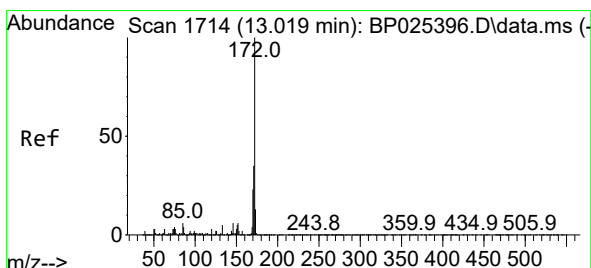
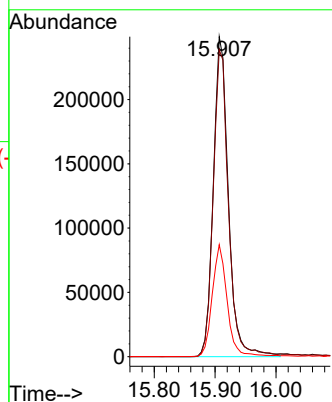
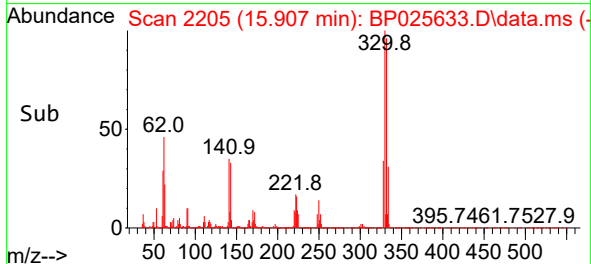
Instrument :  
BNA\_P  
ClientSampleId :  
SP-A



Tgt Ion:330 Resp: 428160  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.3 115.9  
141 34.7 26.6 39.8

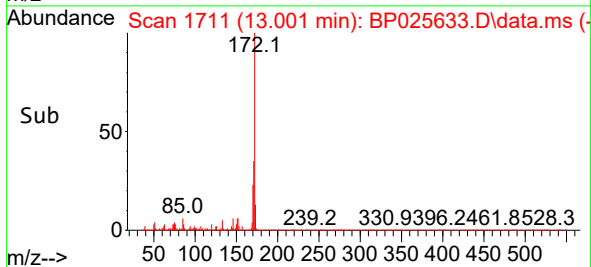
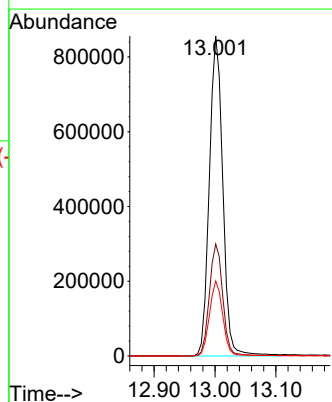
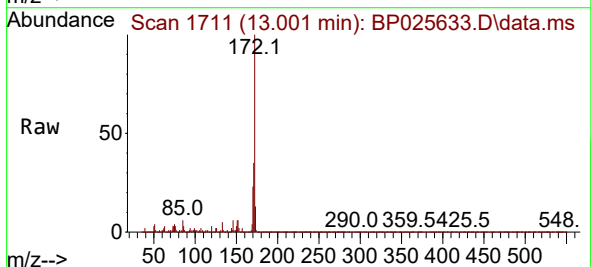
Manual Integrations  
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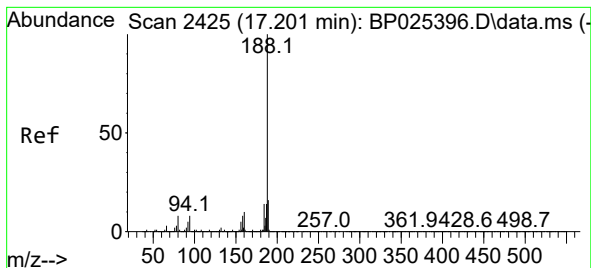
Reviewed By :Rahul Chavli 09/02/2025  
Supervised By :Jagrut Upadhyay 09/02/2025



#45  
2-Fluorobiphenyl  
Concen: 46.973 ng  
RT: 13.001 min Scan# 1711  
Delta R.T. -0.018 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

Tgt Ion:172 Resp: 1315935  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.1 42.1  
170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Instrument :

BNA\_P

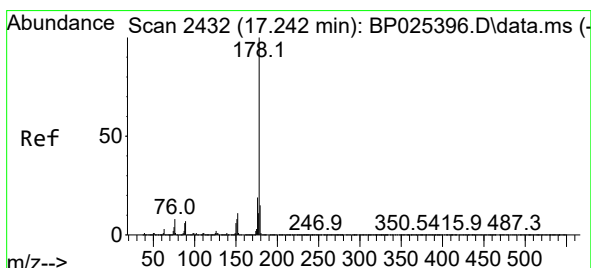
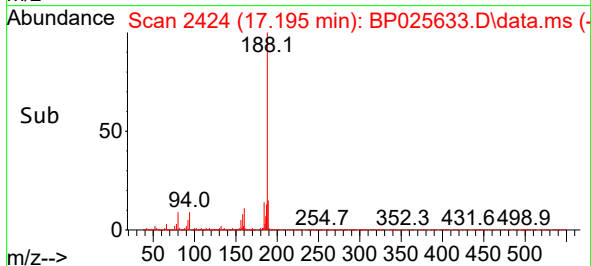
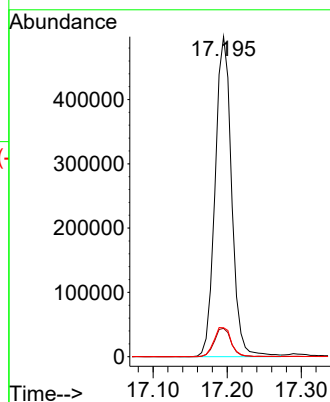
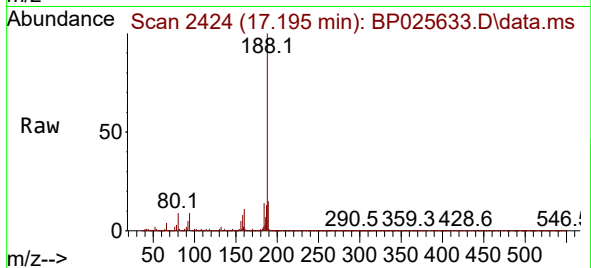
ClientSampleId :

SP-A

Tgt Ion:188 Resp: 768730  
 Ion Ratio Lower Upper  
 188 100  
 94 8.8 6.6 10.0  
 80 9.1 6.7 10.1

Manual Integrations  
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 Supervised By :Jagrut Upadhyay 09/02/2025



#71

Phenanthrene

Concen: 3.106 ng

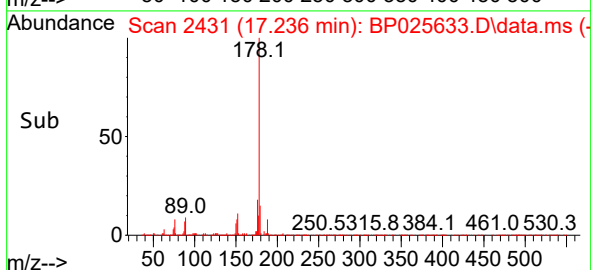
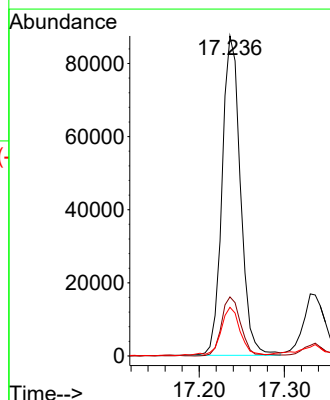
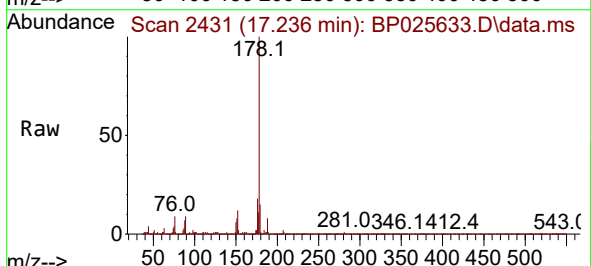
RT: 17.236 min Scan# 2431

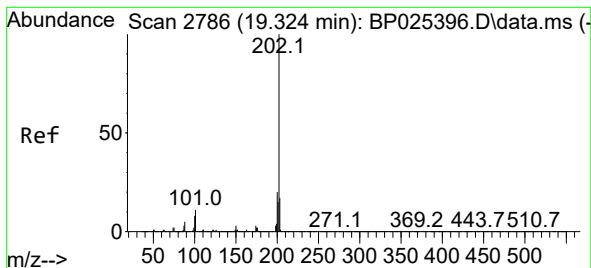
Delta R.T. -0.006 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

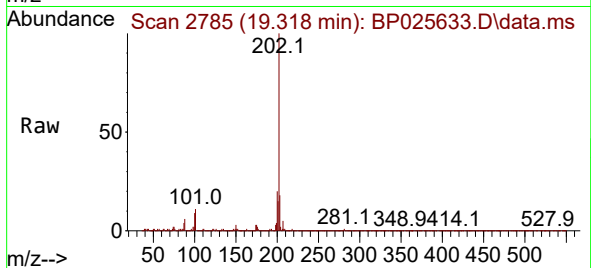
Tgt Ion:178 Resp: 131174  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.5 23.3  
 179 15.2 12.2 18.4





#75  
Fluoranthene  
Concen: 7.911 ng  
RT: 19.318 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

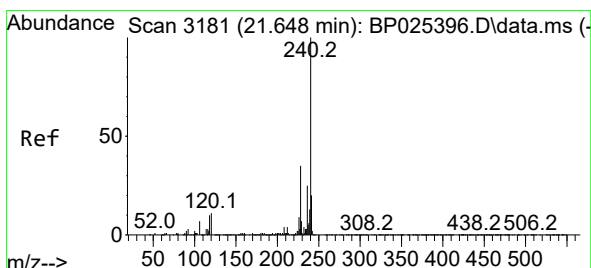
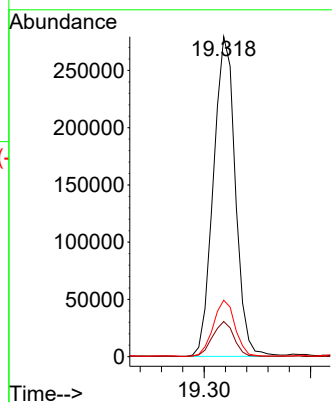
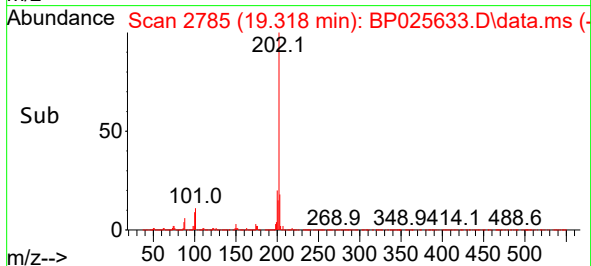
Instrument :  
BNA\_P  
ClientSampleId :  
SP-A



Tgt Ion:202 Resp: 398472  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 31.1  
203 17.7 0.0 37.3

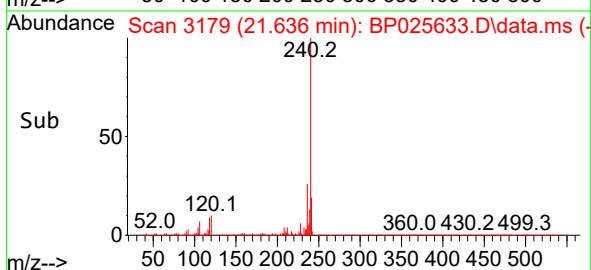
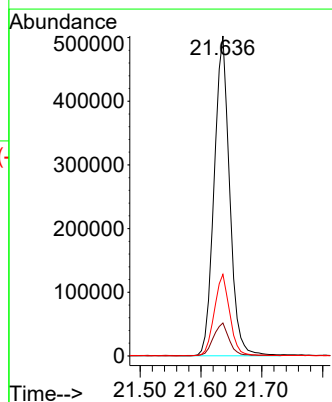
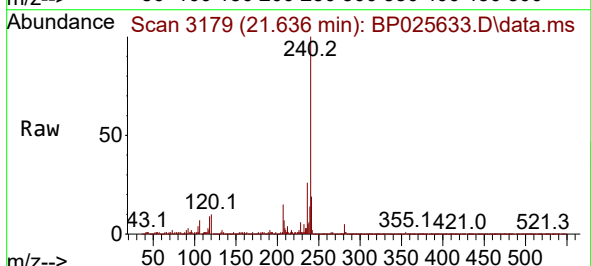
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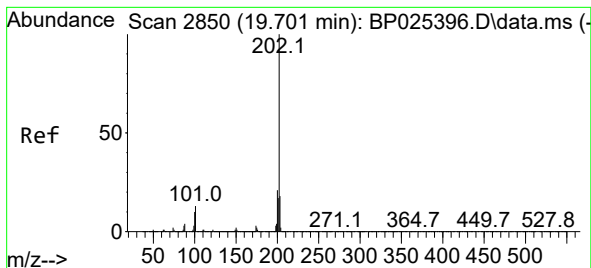


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.636 min Scan# 3179  
Delta R.T. -0.012 min  
Lab File: BP025633.D  
Acq: 29 Aug 2025 20:11

Tgt Ion:240 Resp: 887404  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.9 13.3  
236 25.5 19.8 29.8







#78

Pyrene

Concen: 7.840 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Instrument :

BNA\_P

ClientSampleId :

SP-A

Tgt Ion:202 Resp: 45219

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

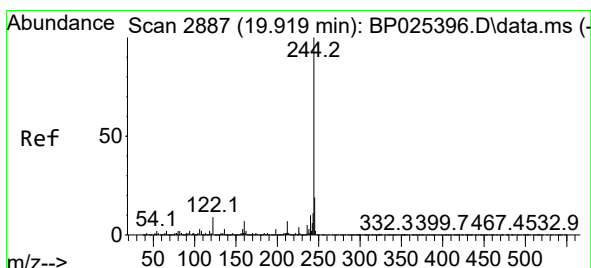
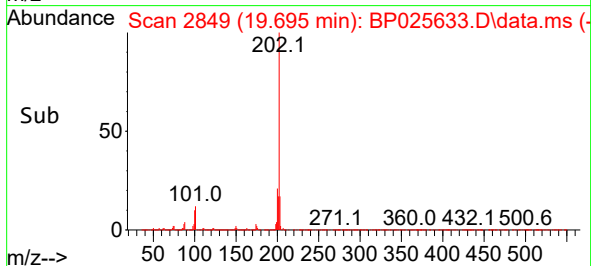
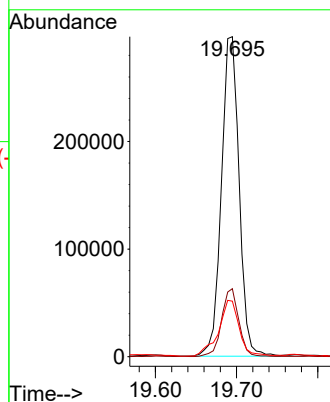
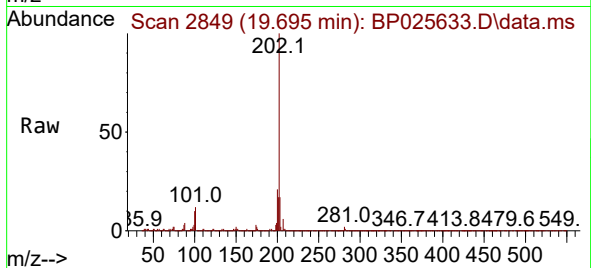
203 17.4 14.2 21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/02/2025



#79

Terphenyl-d14

Concen: 45.651 ng

RT: 19.918 min Scan# 2887

Delta R.T. -0.000 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

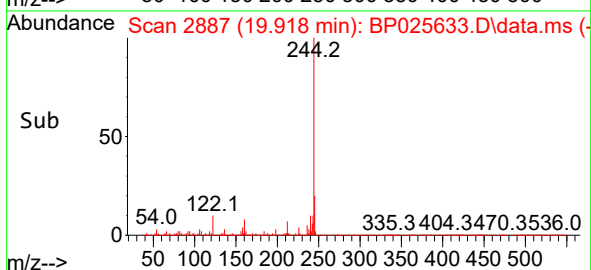
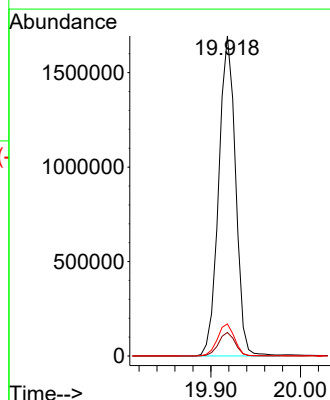
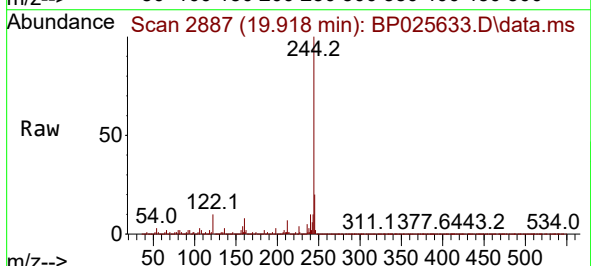
Tgt Ion:244 Resp: 2214221

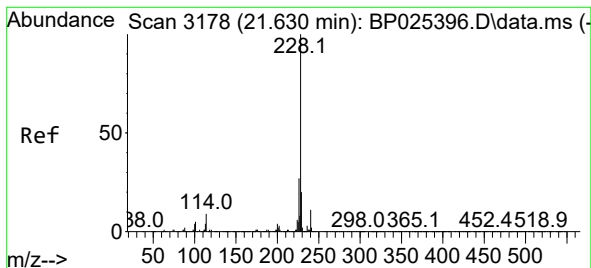
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.0 7.4 11.2





#81

Benzo(a)anthracene

Concen: 4.140 ng

RT: 21.612 min Scan# 3175

Delta R.T. -0.018 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Instrument :

BNA\_P

ClientSampleId :

SP-A

Tgt Ion:228 Resp: 24231

Ion Ratio Lower Upper

228 100

226 30.5 21.7 32.5

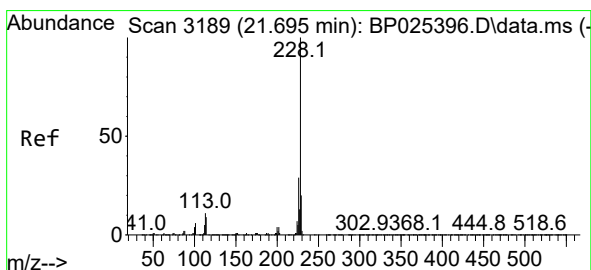
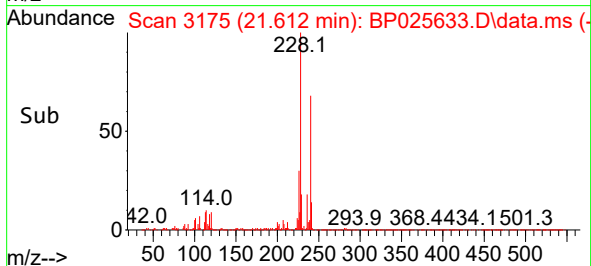
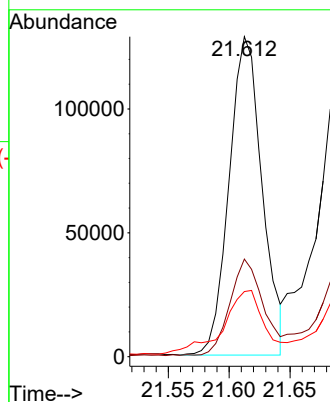
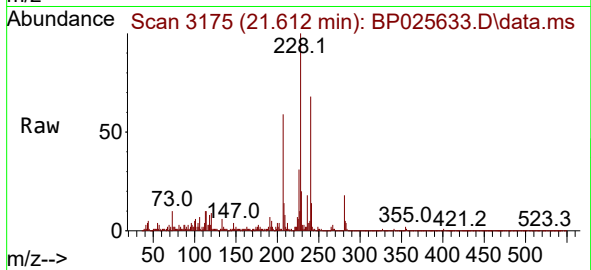
229 20.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/02/2025

Supervised By :Jagrut Upadhyay 09/02/2025



#83

Chrysene

Concen: 4.437 ng m

RT: 21.689 min Scan# 3188

Delta R.T. -0.006 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

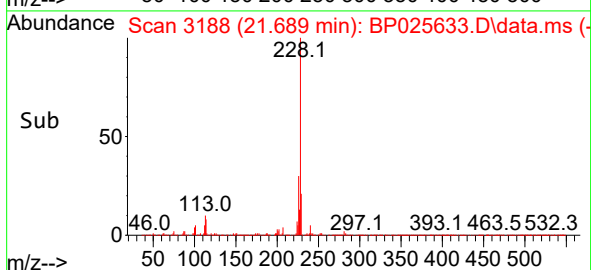
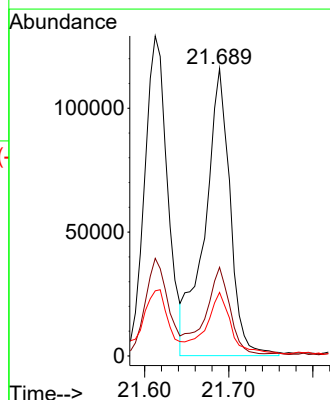
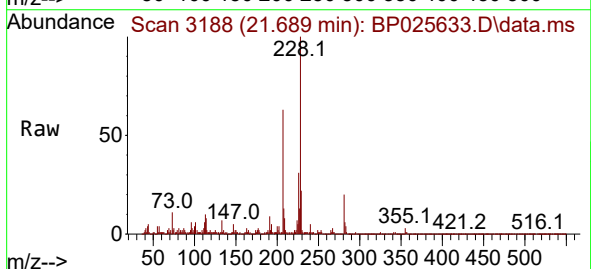
Tgt Ion:228 Resp: 243203

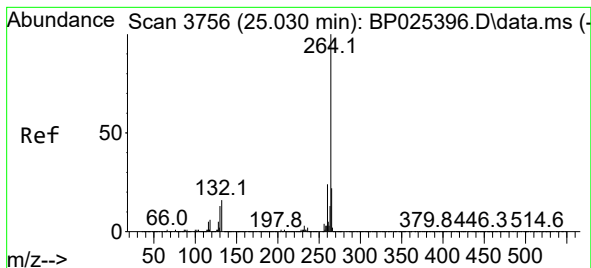
Ion Ratio Lower Upper

228 100

226 30.9 23.2 34.8

229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.012 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Instrument :

BNA\_P

ClientSampleId :

SP-A

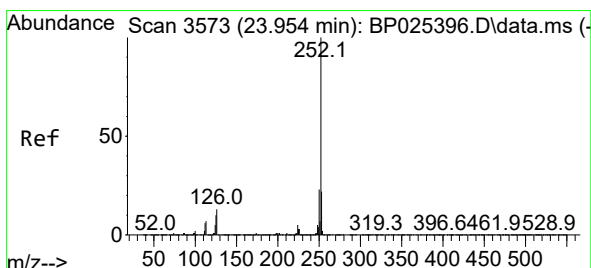
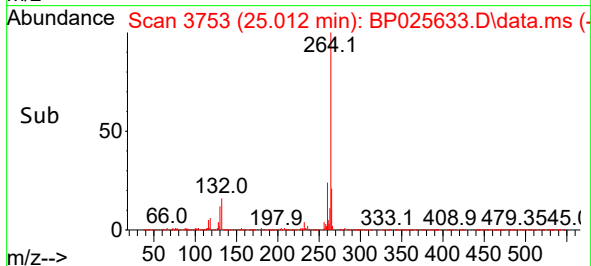
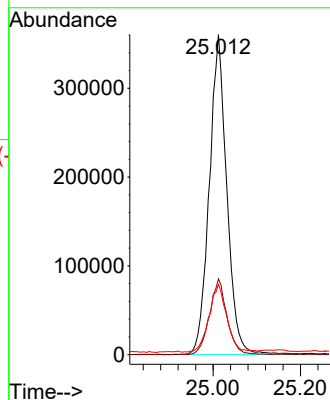
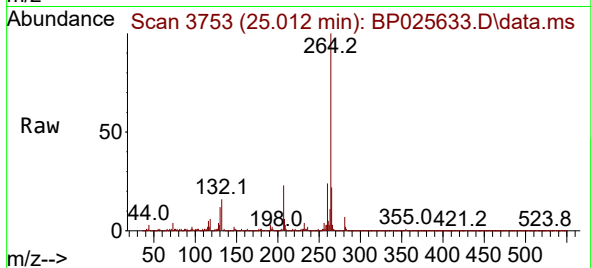
Tgt Ion:264 Resp: 996000  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.3 28.9  
 265 22.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/02/2025

Supervised By :Jagrut Upadhyay 09/02/2025



#88

Benzo(b)fluoranthene

Concen: 4.735 ng

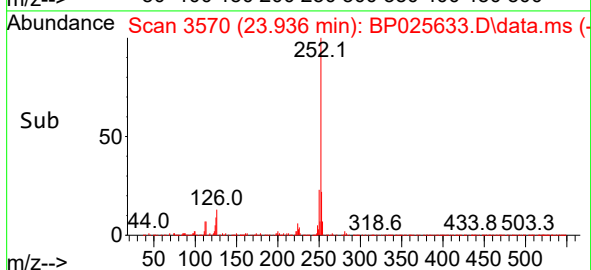
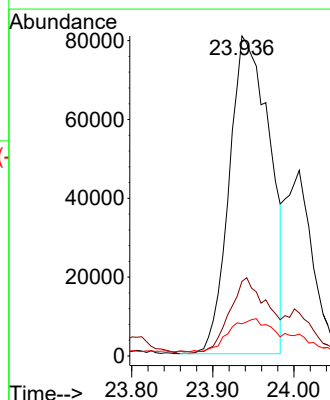
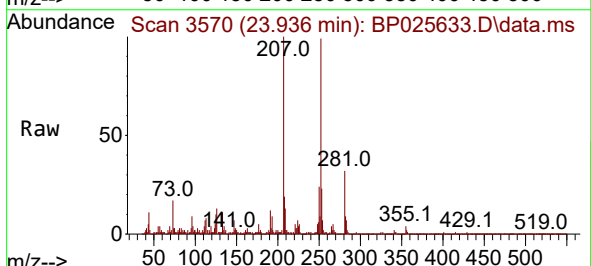
RT: 23.936 min Scan# 3570

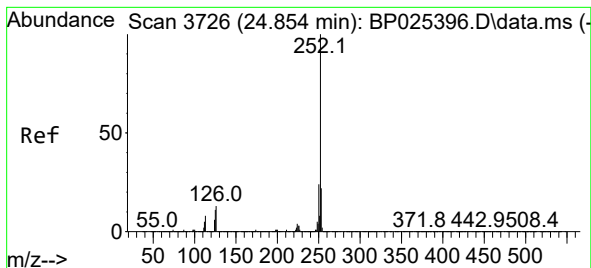
Delta R.T. -0.018 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Tgt Ion:252 Resp: 278088  
 Ion Ratio Lower Upper  
 252 100  
 253 23.3 17.7 26.5  
 125 10.1 7.9 11.9





#90

Benzo(a)pyrene

Concen: 3.896 ng

RT: 24.836 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Instrument :

BNA\_P

ClientSampleId :

SP-A

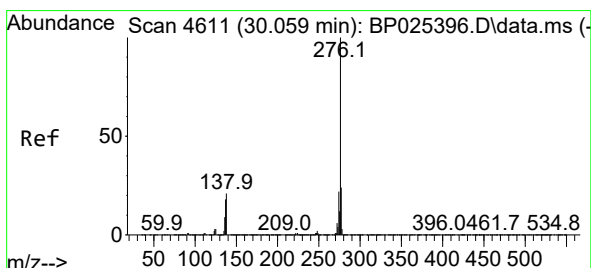
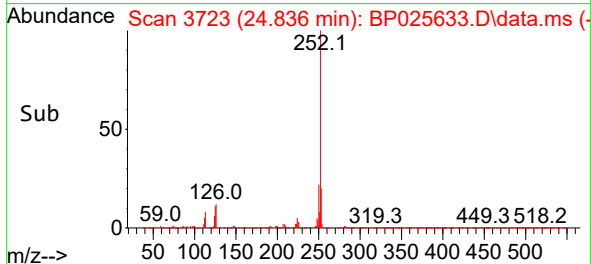
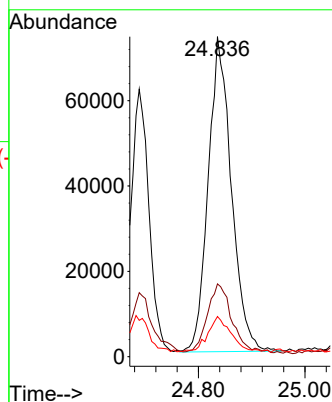
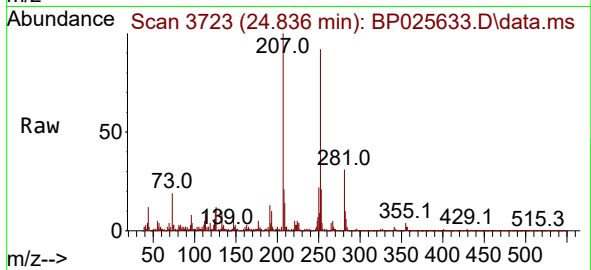
Tgt Ion:252 Resp: 222759  
 Ion Ratio Lower Upper  
 252 100  
 253 22.8 17.5 26.3  
 125 12.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/02/2025

Supervised By :Jagrut Upadhyay 09/02/2025



#92

Benzo(g,h,i)perylene

Concen: 2.609 ng

RT: 30.024 min Scan# 4605

Delta R.T. -0.035 min

Lab File: BP025633.D

Acq: 29 Aug 2025 20:11

Tgt Ion:276 Resp: 153060  
 Ion Ratio Lower Upper  
 276 100  
 277 23.4 19.4 29.0  
 138 25.7 16.7 25.1#

