

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080725\  
 Data File : BP025316.D  
 Acq On : 07 Aug 2025 16:31  
 Operator : CG/JU  
 Sample : Q2786-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PL-03-08062025

Quant Time: Aug 07 16:51:30 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 06 06:41:44 2025  
 Response via : Initial Calibration

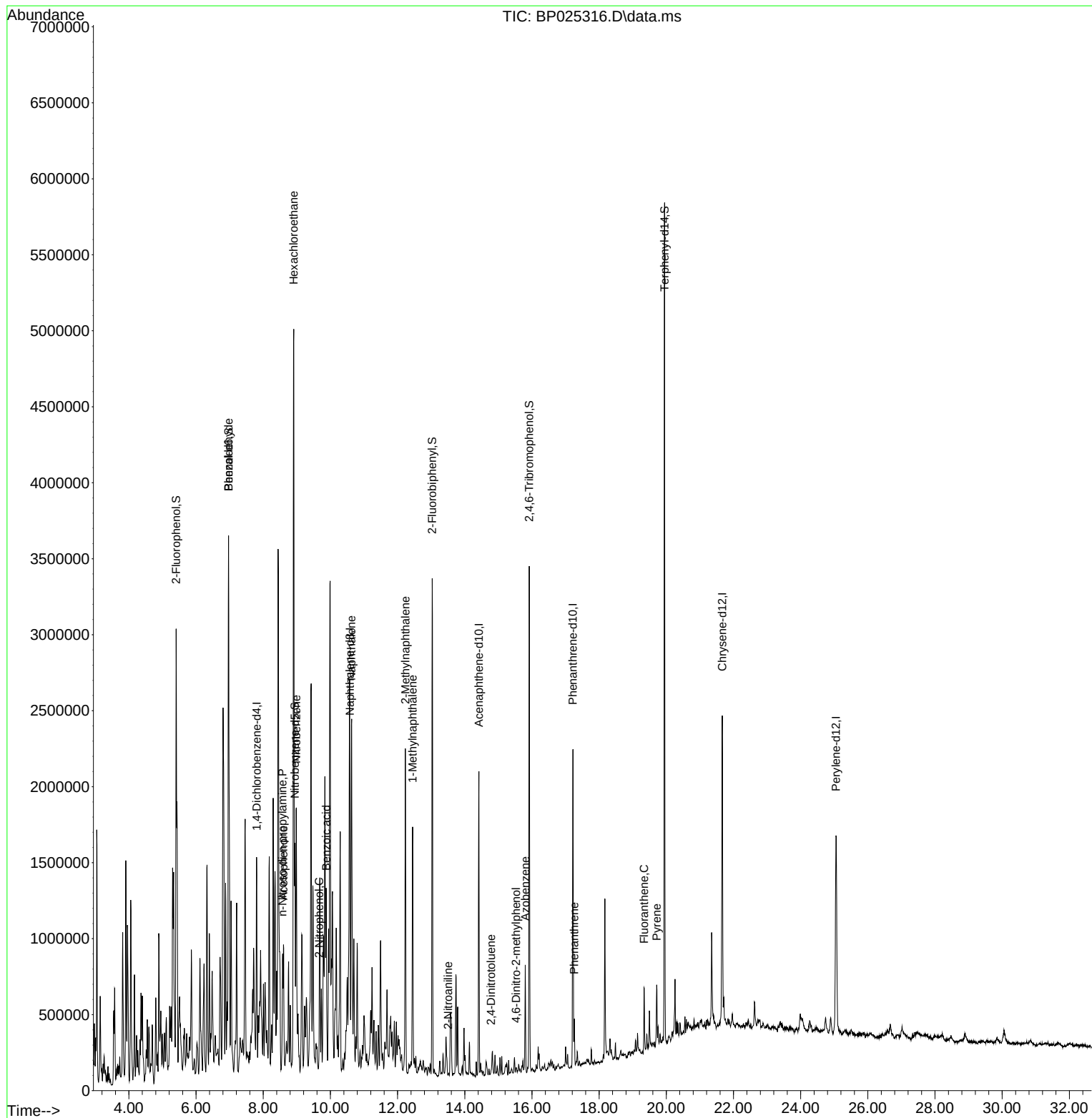
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.808  | 152  | 229914   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.578 | 136  | 949350   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.419 | 164  | 639236   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.219 | 188  | 1260820  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.666 | 240  | 1198090  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.054 | 264  | 1335080  | 20.000 | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.408  | 112  | 1095542  | 76.639 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.967  | 99   | 1458233  | 77.511 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.943  | 82   | 793608   | 46.313 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.919 | 330  | 561601   | 88.065 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.031 | 172  | 1672027  | 36.128 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.948 | 244  | 2670284  | 42.097 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 6.967  | 77   | 55861    | 4.181  | ng    | # 1      |
| 18) Hexachloroethane          | 8.908  | 117  | 502752   | 79.034 | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.572  | 70   | 26358    | 2.132  | ng    | # 44     |
| 22) Acetophenone              | 8.602  | 105  | 508314   | 21.329 | ng    | # 57     |
| 24) Nitrobenzene              | 8.984  | 77   | 58237    | 3.590  | ng    | # 3      |
| 26) 2-Nitrophenol             | 9.666  | 139  | 240      | 3.670  | ng    | # 1      |
| 31) Naphthalene               | 10.625 | 128  | 778301   | 15.792 | ng    | # 95     |
| 32) Benzoic acid              | 9.878  | 122  | 171      | 5.974  | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.231 | 142  | 986166   | 30.915 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.449 | 142  | 758953   | 22.802 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.507 | 65   | 149      | 2.977  | ng    | # 51     |
| 57) 2,4-Dinitrotoluene        | 14.784 | 165  | 1788     | 3.380  | ng    | # 63     |
| 63) Azobenzene                | 15.801 | 77   | 177759   | 4.073  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 15.531 | 198  | 289      | 4.896  | ng    | # 1      |
| 71) Phenanthrene              | 17.260 | 178  | 175524   | 2.542  | ng    | 98       |
| 75) Fluoranthene              | 19.342 | 202  | 266494   | 3.334  | ng    | 98       |
| 78) Pyrene                    | 19.713 | 202  | 264512   | 3.320  | ng    | 98       |
| -----                         |        |      |          |        |       |          |

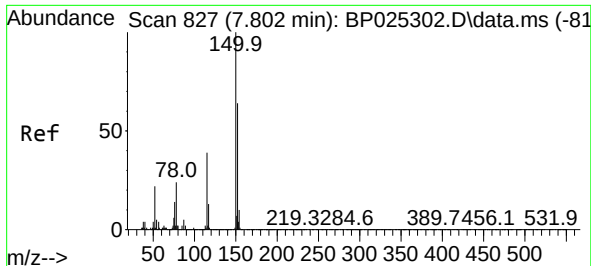
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080725\  
Data File : BP025316.D  
Acq On : 07 Aug 2025 16:31  
Operator : CG/JU  
Sample : Q2786-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
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PL-03-08062025

Quant Time: Aug 07 16:51:30 2025  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 06 06:41:44 2025  
Response via : Initial Calibration

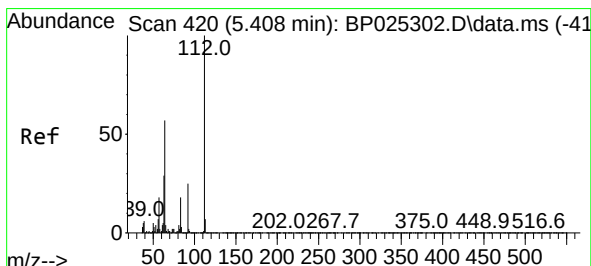
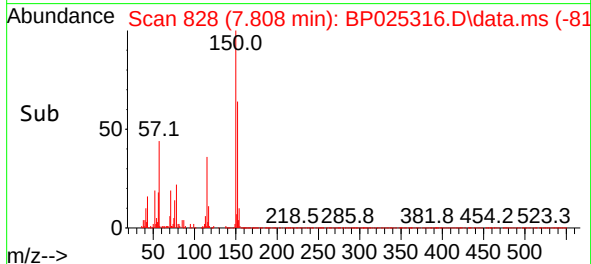
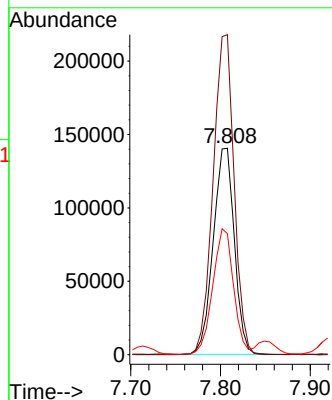
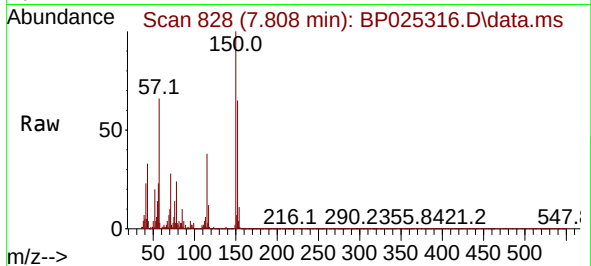




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.808 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

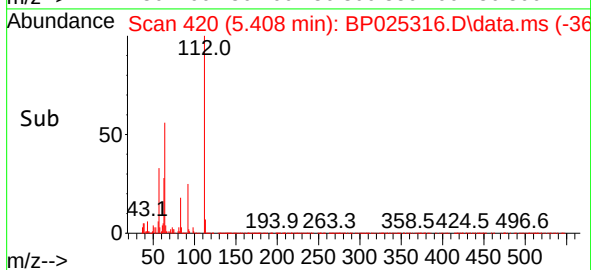
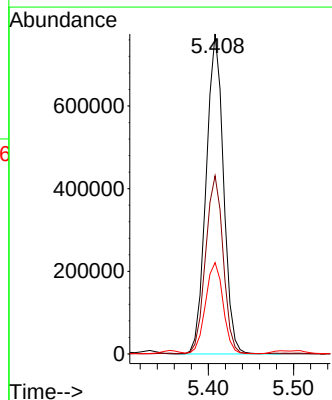
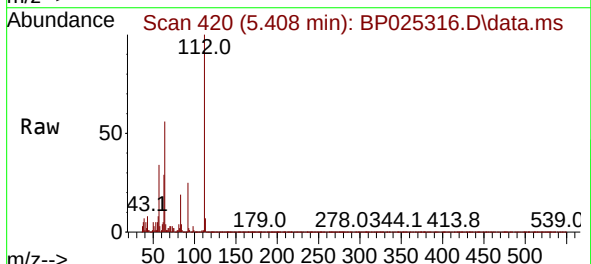
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

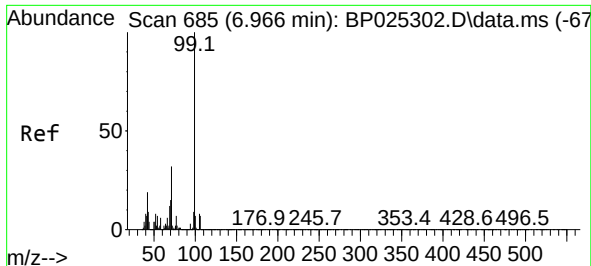
Tgt Ion:152 Resp: 229914  
Ion Ratio Lower Upper  
152 100  
150 155.0 125.1 187.7  
115 58.6 48.4 72.6



#5  
2-Fluorophenol  
Concen: 76.639 ng  
RT: 5.408 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:112 Resp: 1095542  
Ion Ratio Lower Upper  
112 100  
64 55.7 45.3 67.9  
63 28.6 23.0 34.6



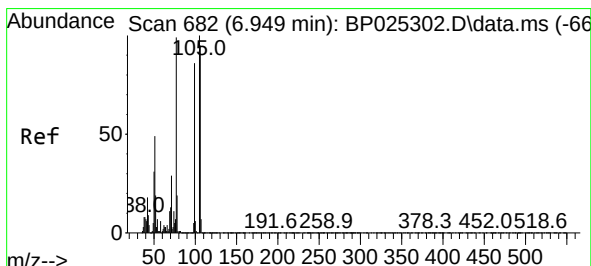
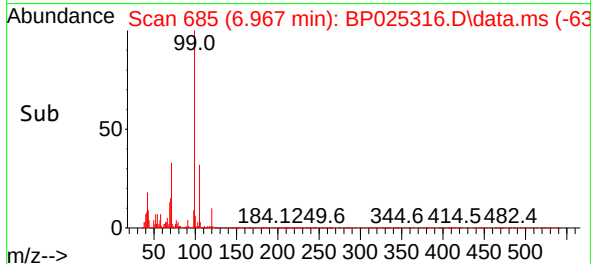
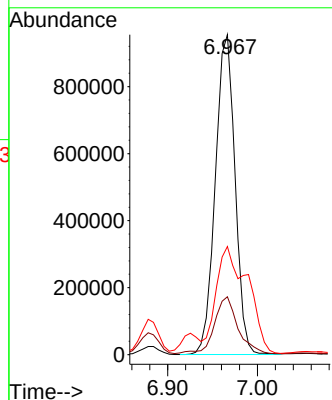
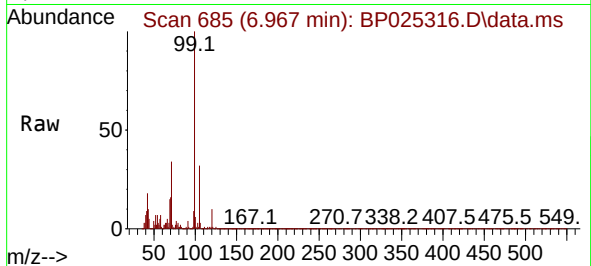


#7  
Phenol-d6  
Concen: 77.511 ng  
RT: 6.967 min Scan# 685  
Delta R.T. 0.001 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

Tgt Ion: 99 Resp: 1458233

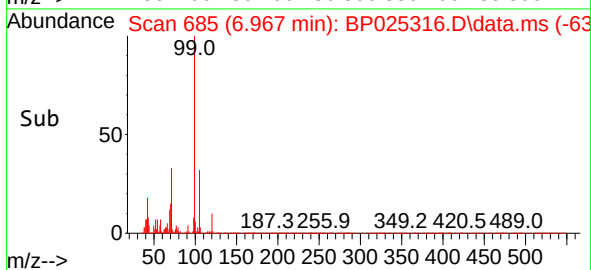
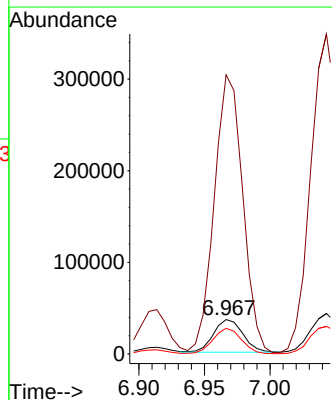
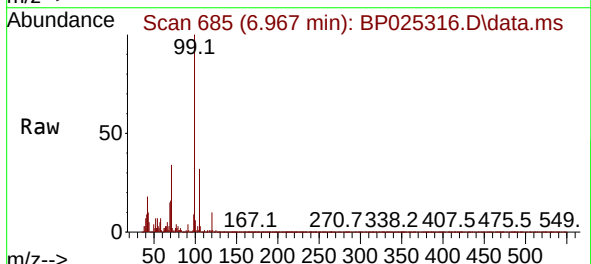
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 15.0  | 22.6  |
| 71  | 33.8  | 25.5  | 38.3  |

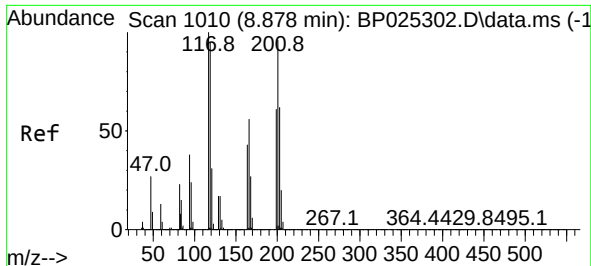


#9  
Benzaldehyde  
Concen: 4.181 ng  
RT: 6.967 min Scan# 685  
Delta R.T. 0.018 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion: 77 Resp: 55861

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 810.7 | 81.4  | 121.4# |
| 106 | 74.4  | 76.2  | 116.2# |

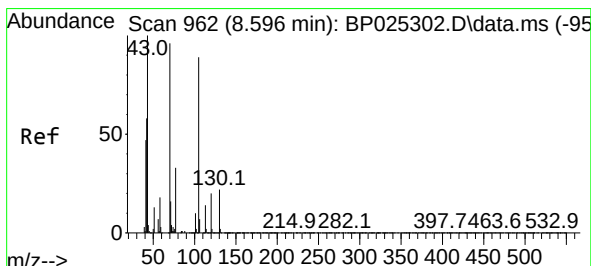
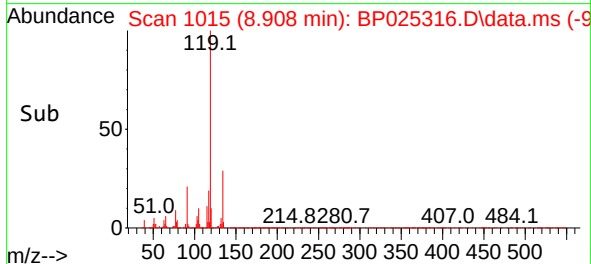
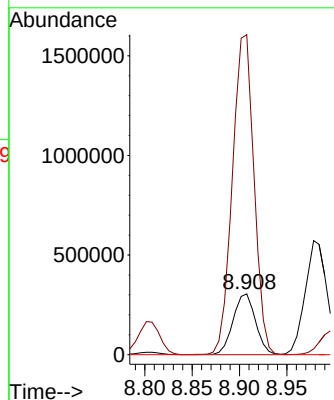
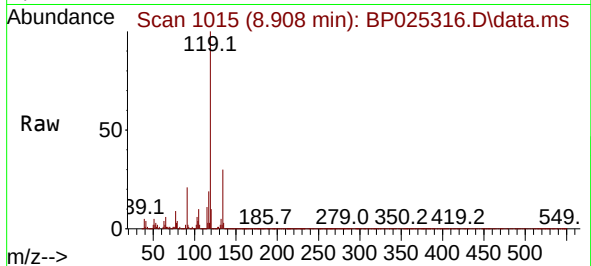




#18  
Hexachloroethane  
Concen: 79.034 ng  
RT: 8.908 min Scan# 1010  
Delta R.T. 0.030 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

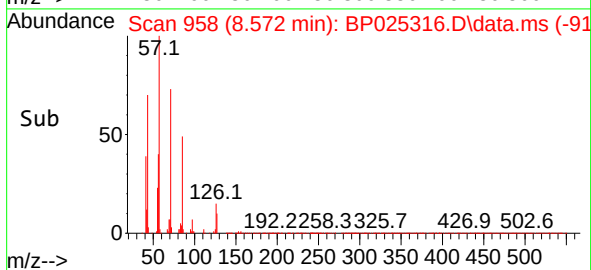
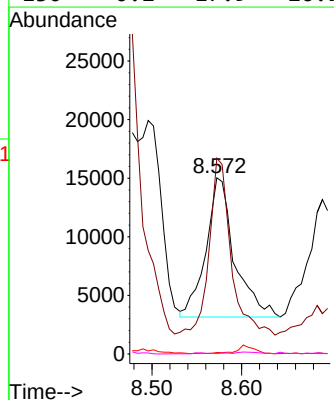
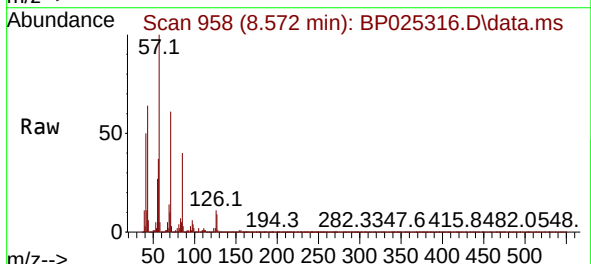
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

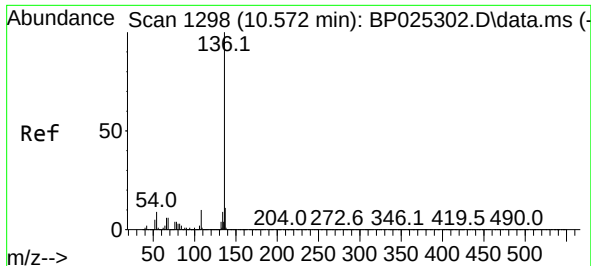
Tgt Ion:117 Resp: 502752  
Ion Ratio Lower Upper  
117 100  
119 526.5 75.8 113.8#  
201 0.0 76.6 114.8#



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.132 ng  
RT: 8.572 min Scan# 958  
Delta R.T. -0.024 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion: 70 Resp: 26358  
Ion Ratio Lower Upper  
70 100  
42 111.2 49.4 74.0#  
101 0.8 7.9 11.9#  
130 0.2 17.9 26.9#

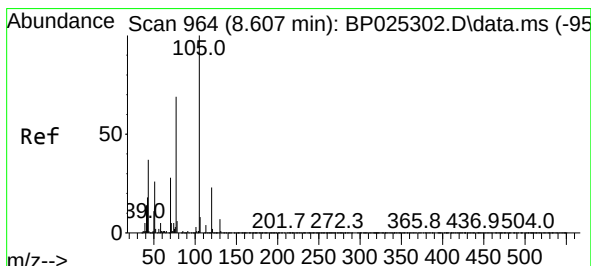
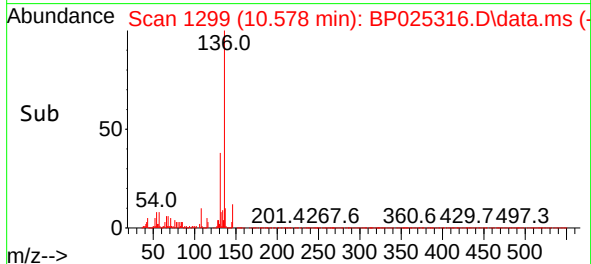
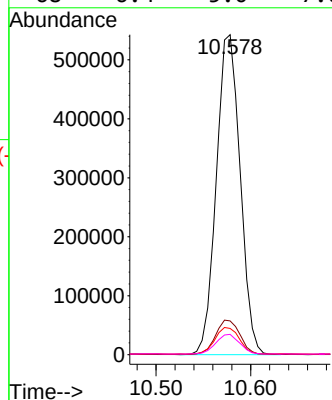
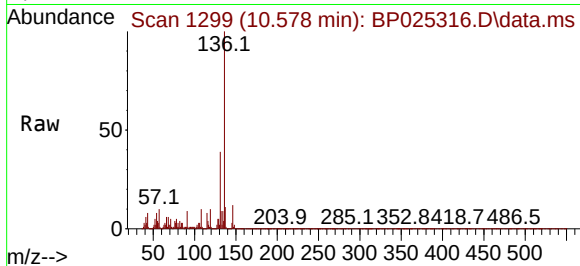




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.578 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

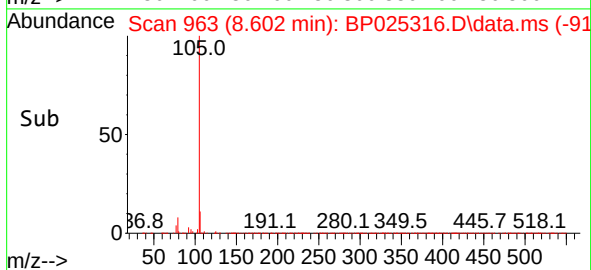
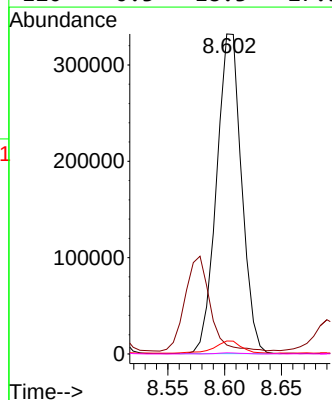
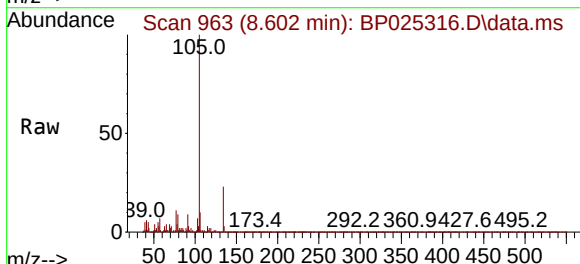
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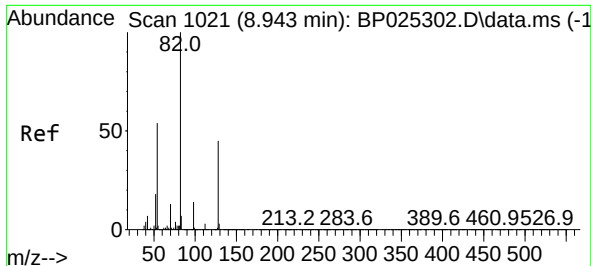
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 949350 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.9   | 13.3   |
| 54       | 8.2   | 7.0   | 10.6   |
| 68       | 6.4   | 5.0   | 7.6    |



#22  
Acetophenone  
Concen: 21.329 ng  
RT: 8.602 min Scan# 963  
Delta R.T. -0.005 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 508314 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 2.8   | 4.1   | 6.1#   |
| 51       | 4.1   | 22.7  | 34.1#  |
| 120      | 0.3   | 18.3  | 27.5#  |

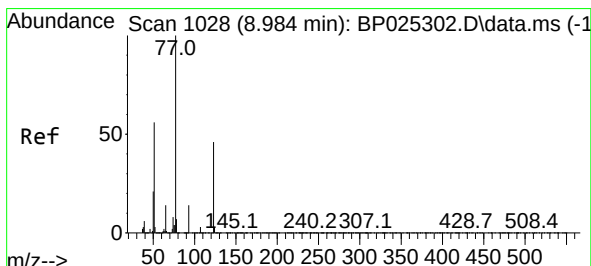
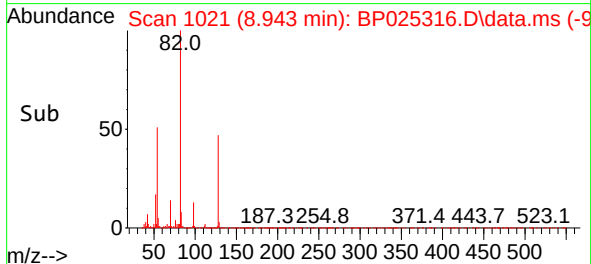
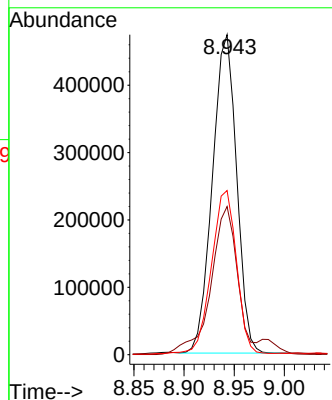
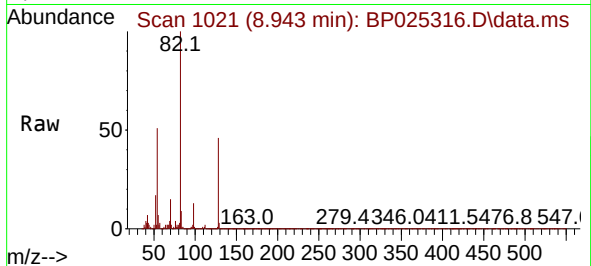




#23  
Nitrobenzene-d5  
Concen: 46.313 ng  
RT: 8.943 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

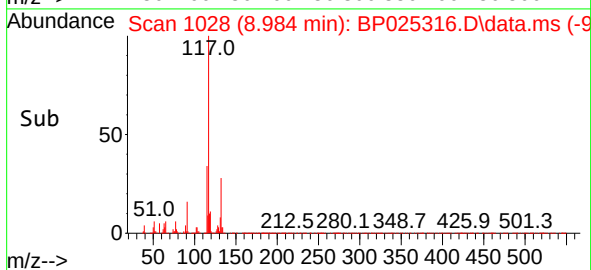
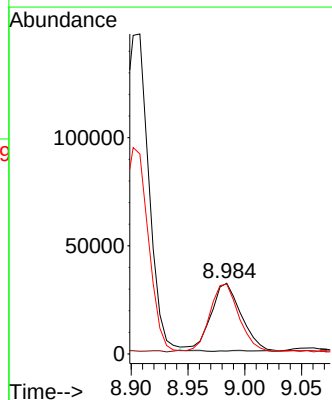
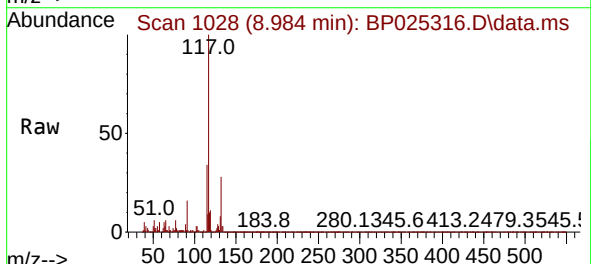
Instrument :  
BNA\_P  
ClientSampleId :  
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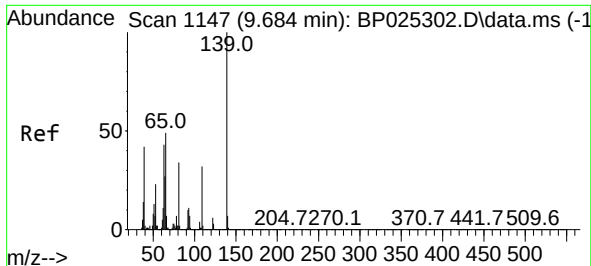
Tgt Ion: 82 Resp: 793608  
Ion Ratio Lower Upper  
82 100  
128 46.3 35.4 53.2  
54 51.3 42.9 64.3



#24  
Nitrobenzene  
Concen: 3.590 ng  
RT: 8.984 min Scan# 1028  
Delta R.T. 0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion: 77 Resp: 58237  
Ion Ratio Lower Upper  
77 100  
123 4.1 37.4 56.2#  
65 98.9 11.1 16.7#

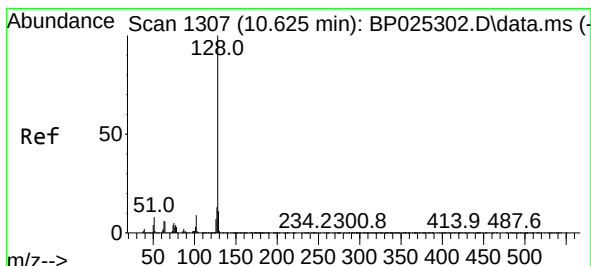
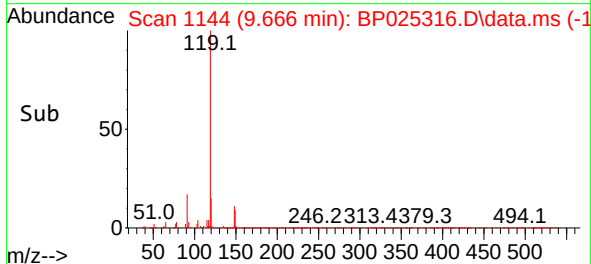
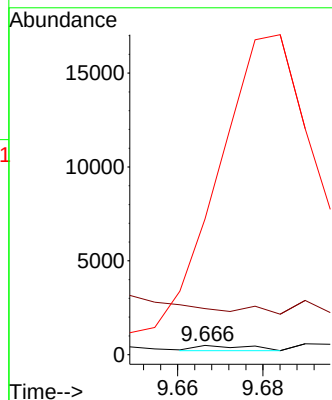
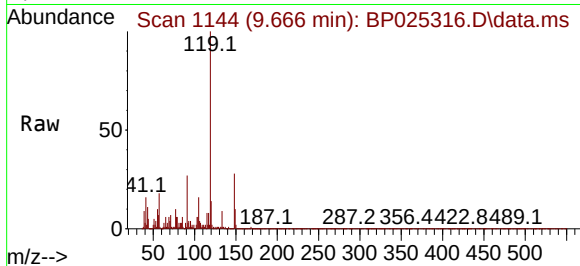




#26  
2-Nitrophenol  
Concen: 3.670 ng  
RT: 9.666 min Scan# 1144  
Delta R.T. -0.018 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

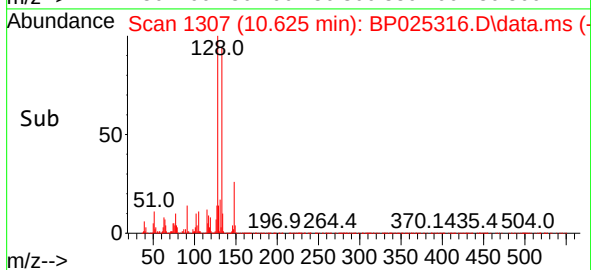
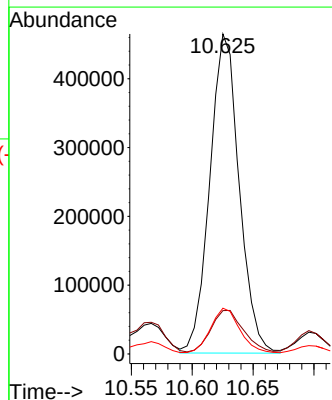
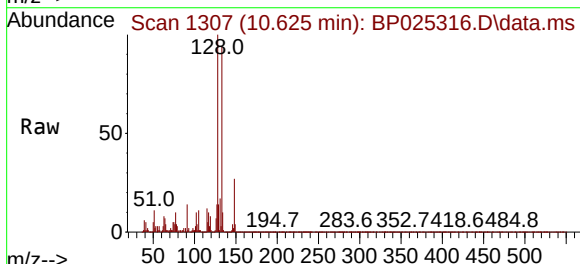
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

Tgt Ion:139 Resp: 240  
Ion Ratio Lower Upper  
139 100  
109 498.8 25.2 37.8#  
65 1469.1 39.6 59.4#

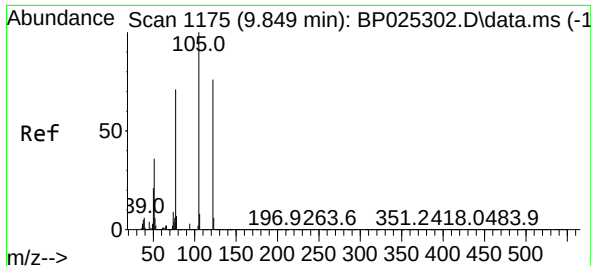


#31  
Naphthalene  
Concen: 15.792 ng  
RT: 10.625 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:128 Resp: 778301  
Ion Ratio Lower Upper  
128 100  
129 13.6 8.9 13.3#  
127 14.3 10.4 15.6



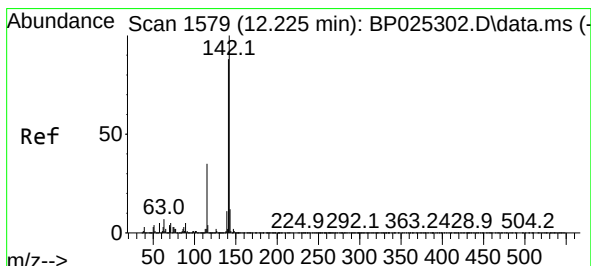
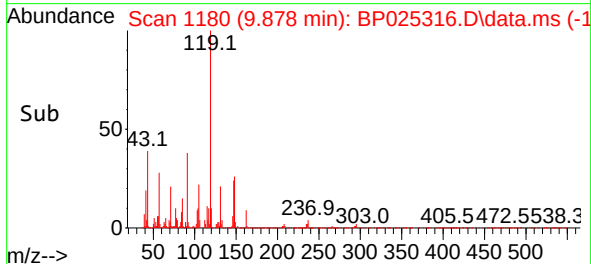
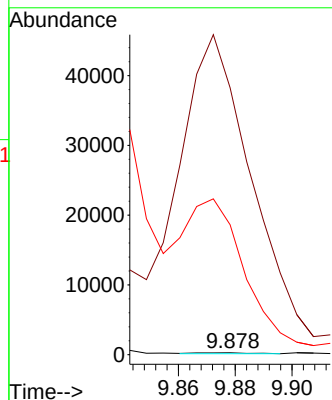
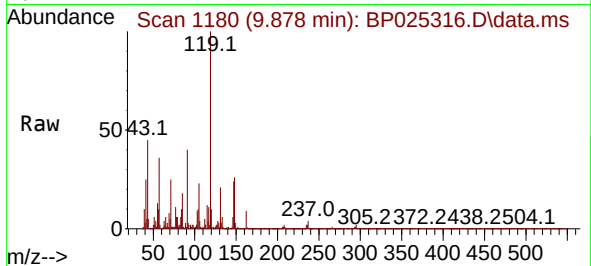




#32  
Benzoic acid  
Concen: 5.974 ng  
RT: 9.878 min Scan# 1175  
Delta R.T. 0.029 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

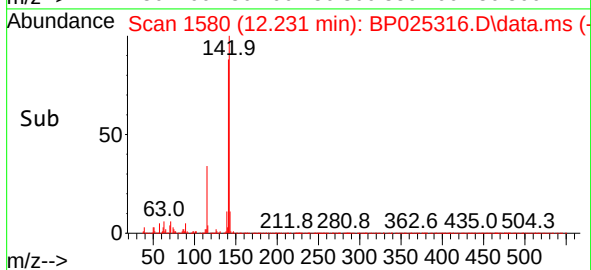
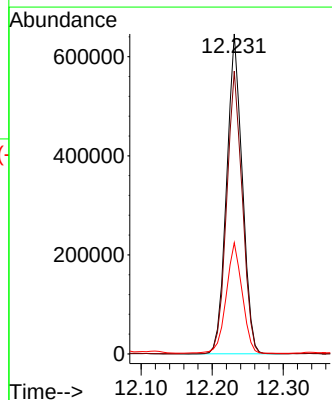
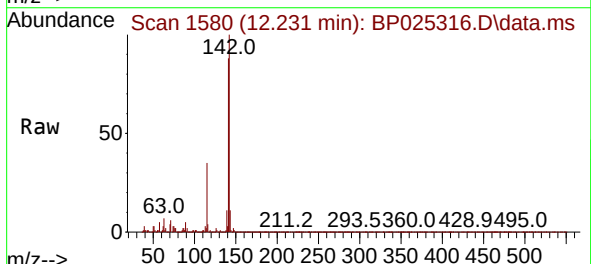
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

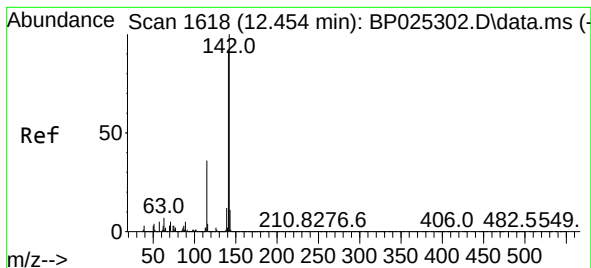
Tgt Ion:122 Resp: 171  
Ion Ratio Lower Upper  
122 100  
105 13464.8 104.0 144.0#  
77 6560.6 71.8 111.8#



#37  
2-Methylnaphthalene  
Concen: 30.915 ng  
RT: 12.231 min Scan# 1580  
Delta R.T. 0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:142 Resp: 986166  
Ion Ratio Lower Upper  
142 100  
141 88.4 70.4 105.6  
115 34.8 28.0 42.0

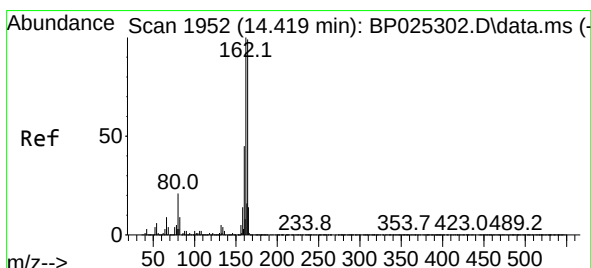
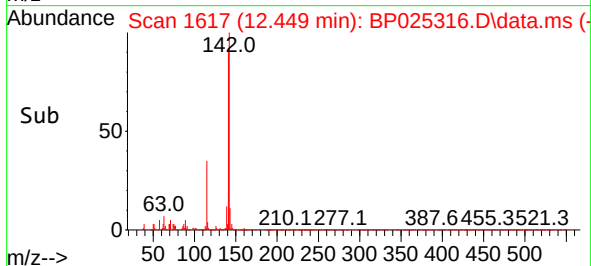
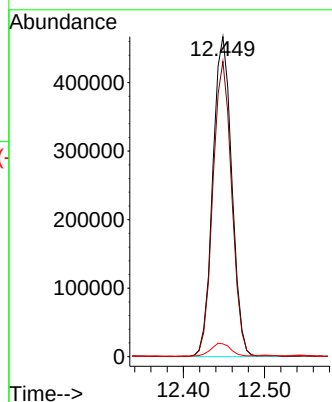
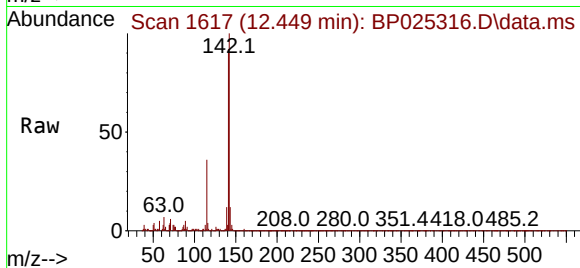




#38  
1-Methylnaphthalene  
Concen: 22.802 ng  
RT: 12.449 min Scan# 1617  
Delta R.T. -0.005 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

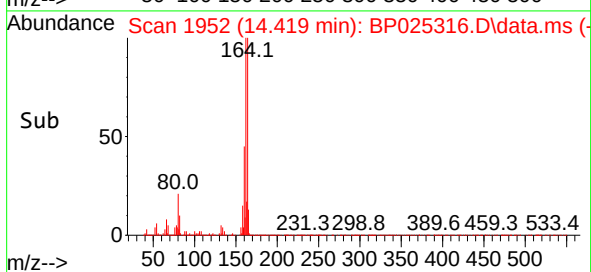
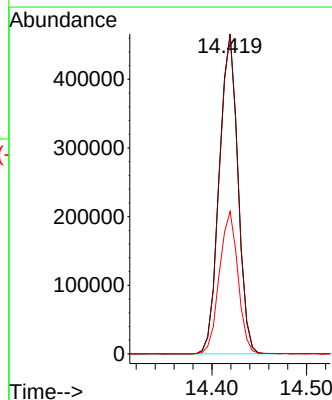
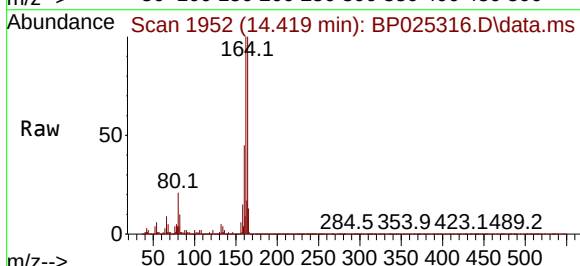
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

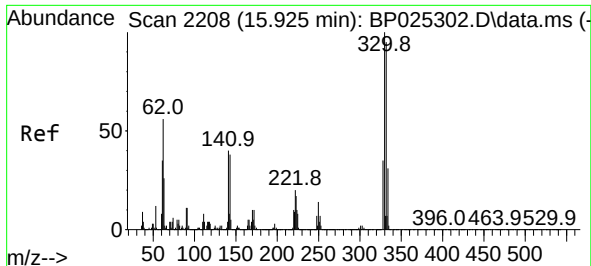
Tgt Ion:142 Resp: 758953  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.0 109.6  
116 4.0 3.0 4.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.419 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:164 Resp: 639236  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.6 120.8  
160 44.6 35.9 53.9

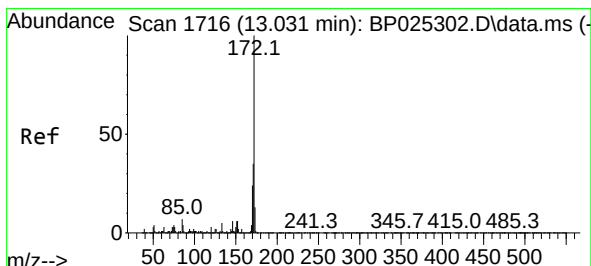
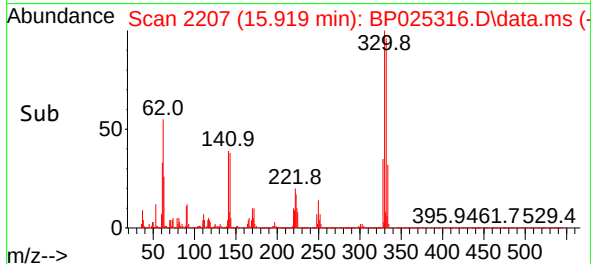
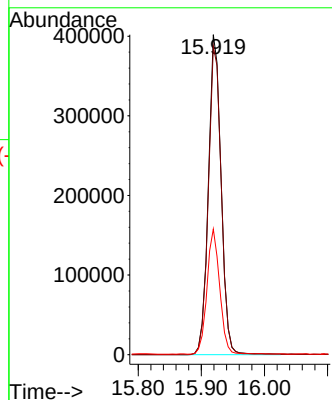
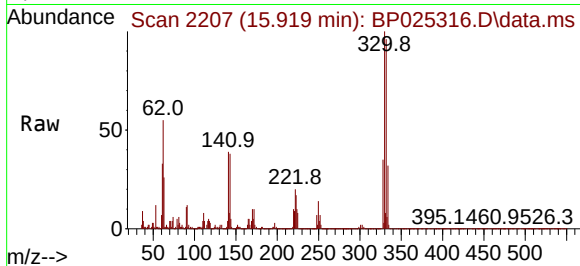




#42  
2,4,6-Tribromophenol  
Concen: 88.065 ng  
RT: 15.919 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

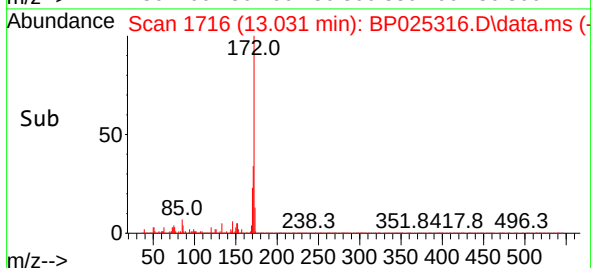
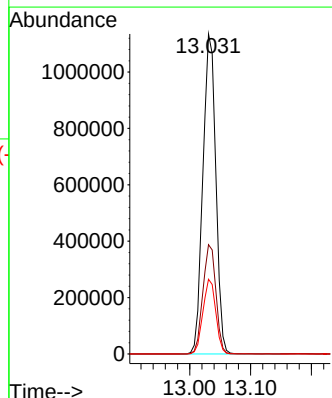
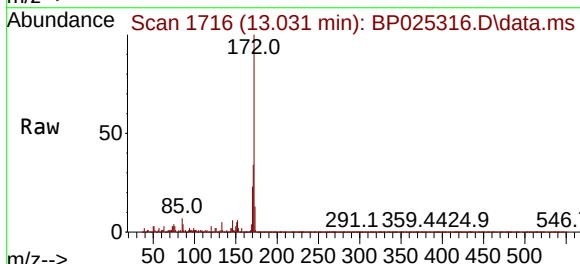
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

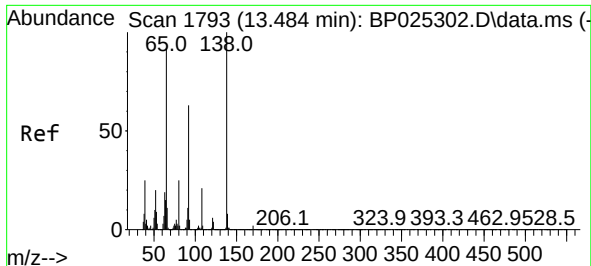
Tgt Ion: 330 Resp: 561601  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.4 116.0  
141 38.9 31.7 47.5



#45  
2-Fluorobiphenyl  
Concen: 36.128 ng  
RT: 13.031 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion: 172 Resp: 1672027  
Ion Ratio Lower Upper  
172 100  
171 34.1 27.9 41.9  
170 23.3 18.9 28.3

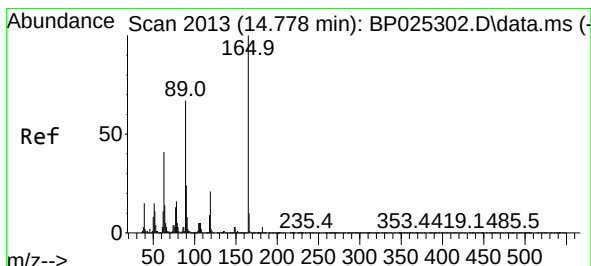
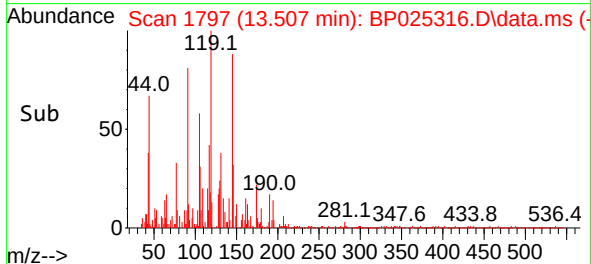
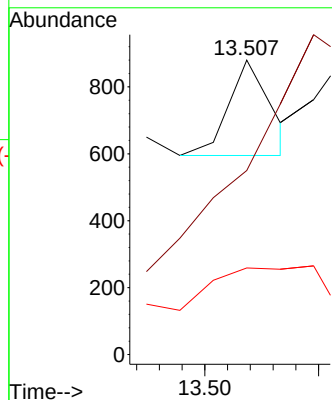
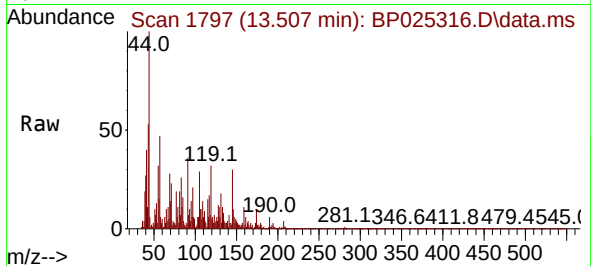




#48  
2-Nitroaniline  
Concen: 2.977 ng  
RT: 13.507 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

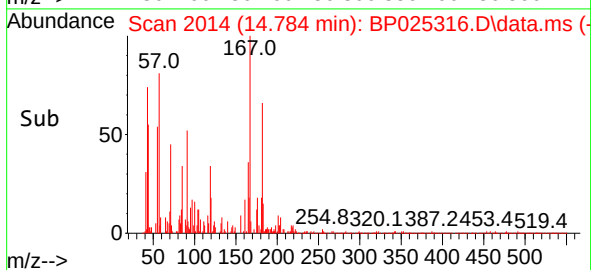
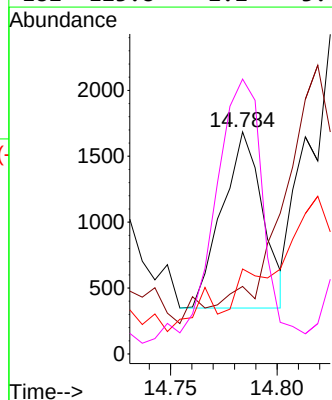
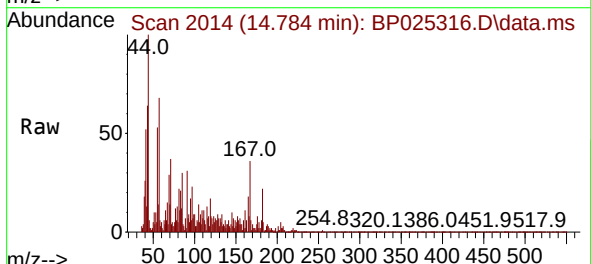
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

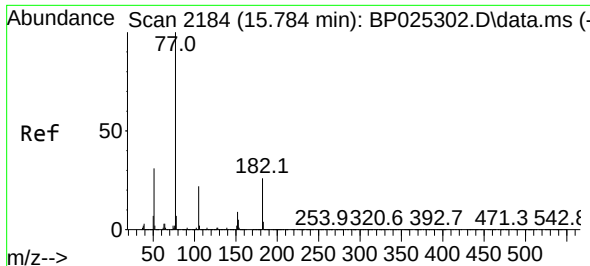
Tgt Ion: 65 Resp: 149  
Ion Ratio Lower Upper  
65 100  
92 62.5 54.4 81.6  
138 29.4 87.0 130.4#



#57  
2,4-Dinitrotoluene  
Concen: 3.380 ng  
RT: 14.784 min Scan# 2014  
Delta R.T. 0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion: 165 Resp: 1788  
Ion Ratio Lower Upper  
165 100  
63 30.4 33.2 49.8#  
89 38.3 53.5 80.3#  
182 123.8 2.2 3.4#

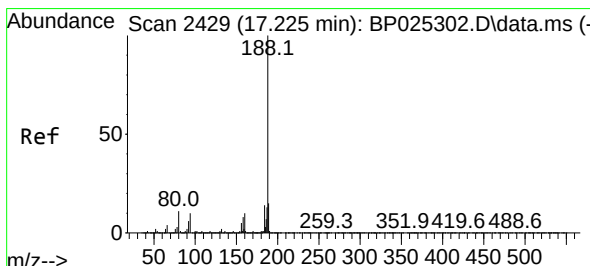
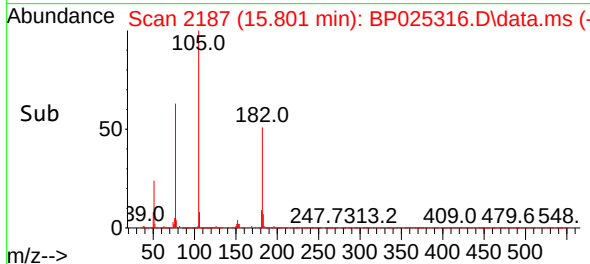
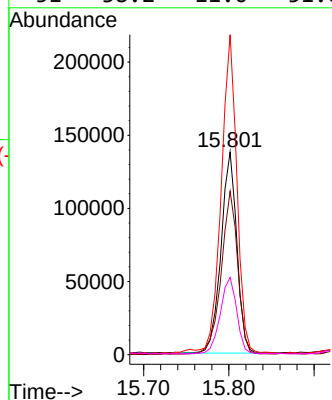
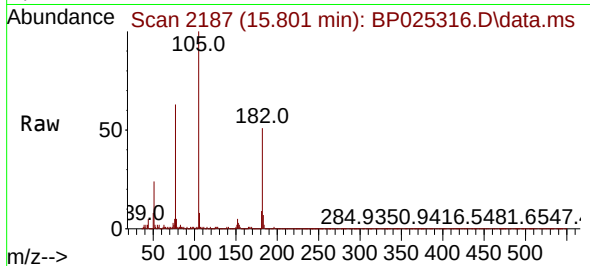




#63  
Azobenzene  
Concen: 4.073 ng  
RT: 15.801 min Scan# 2184  
Delta R.T. 0.017 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

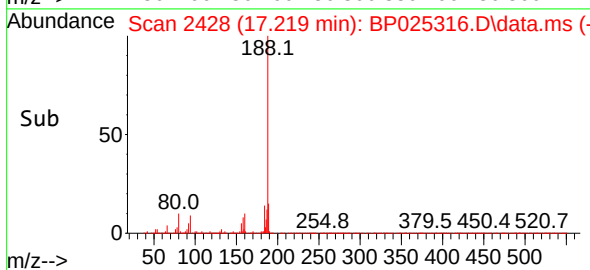
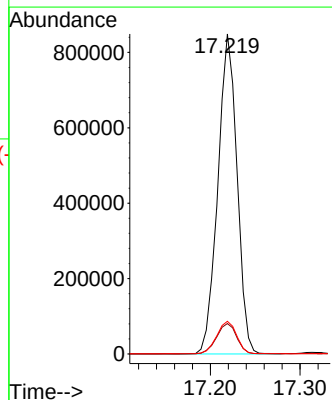
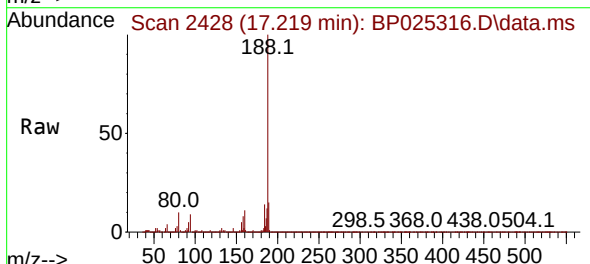
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

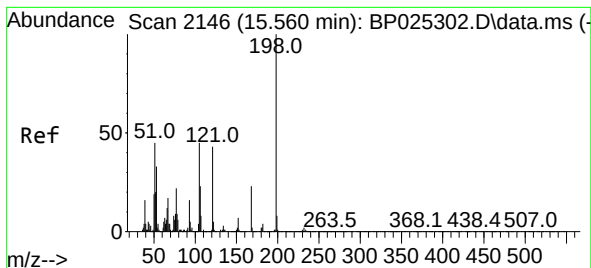
Tgt Ion: 77 Resp: 177759  
Ion Ratio Lower Upper  
77 100  
182 80.6 6.0 46.0#  
105 157.9 2.1 42.1#  
51 38.2 11.0 51.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.219 min Scan# 2428  
Delta R.T. -0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:188 Resp: 1260820  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.0 12.0  
80 10.2 8.5 12.7

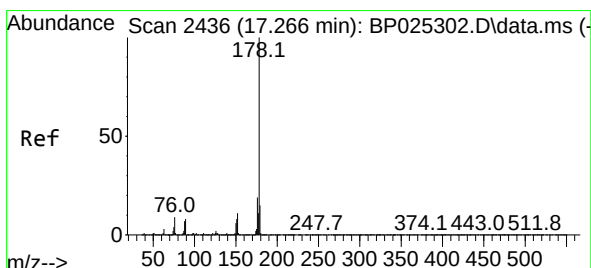
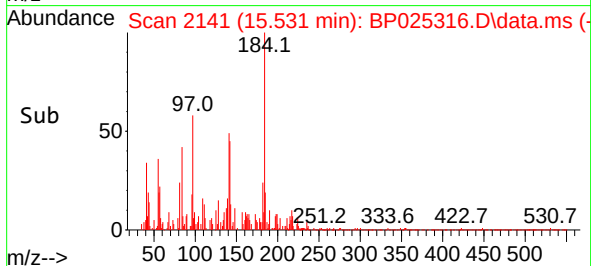
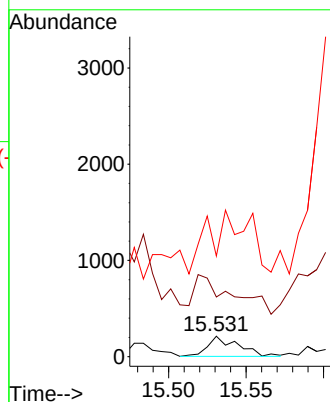
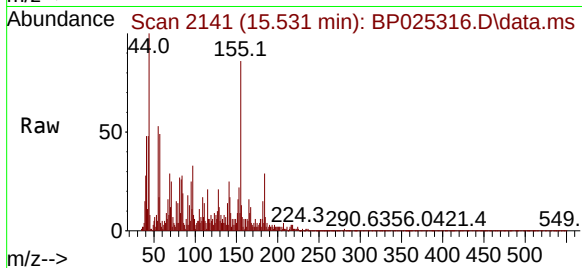




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.896 ng  
RT: 15.531 min Scan# 2146  
Delta R.T. -0.029 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

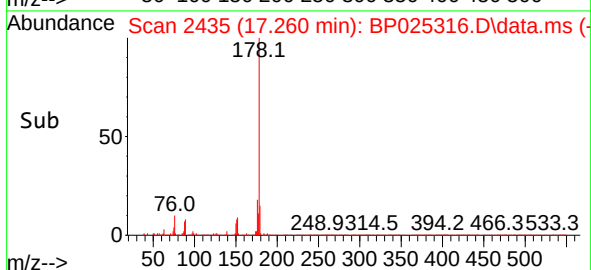
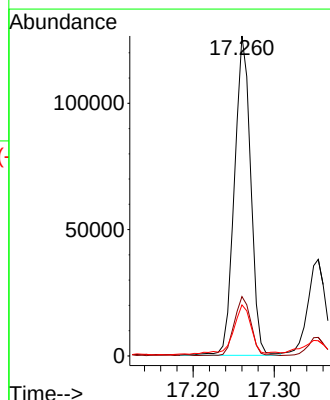
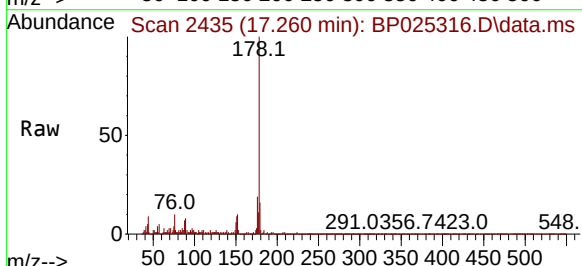
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

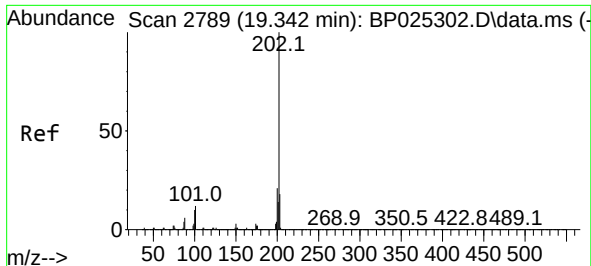
Tgt Ion:198 Resp: 289  
Ion Ratio Lower Upper  
198 100  
51 291.1 26.7 66.7#  
105 491.1 25.6 65.6#



#71  
Phenanthrene  
Concen: 2.542 ng  
RT: 17.260 min Scan# 2435  
Delta R.T. -0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:178 Resp: 175524  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.3 22.9  
179 16.0 12.1 18.1

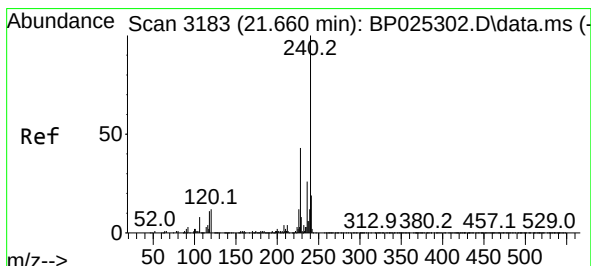
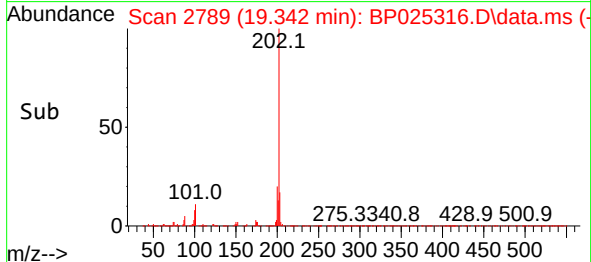
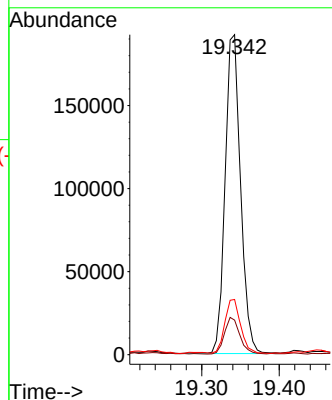
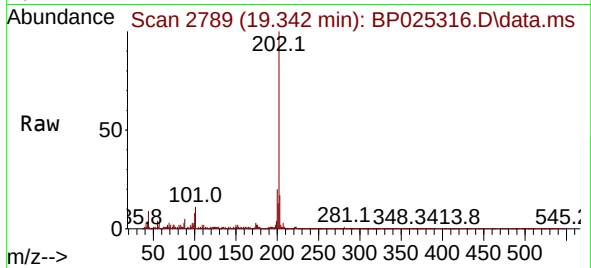




#75  
Fluoranthene  
Concen: 3.334 ng  
RT: 19.342 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

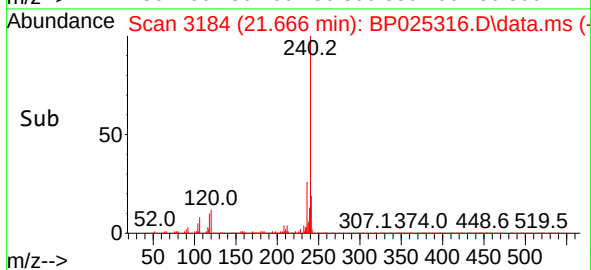
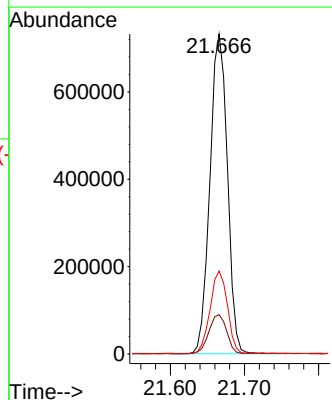
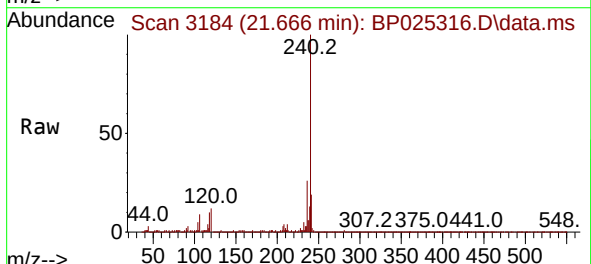
Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

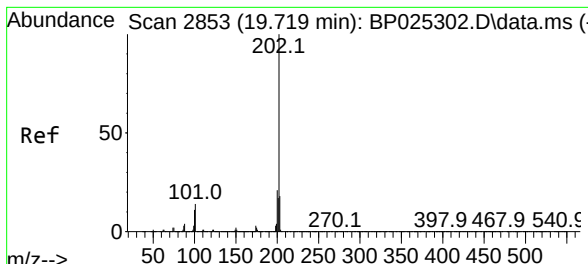
Tgt Ion:202 Resp: 266494  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 32.5  
203 17.2 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.666 min Scan# 3184  
Delta R.T. 0.006 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Tgt Ion:240 Resp: 1198090  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.6 14.4  
236 25.9 20.4 30.6



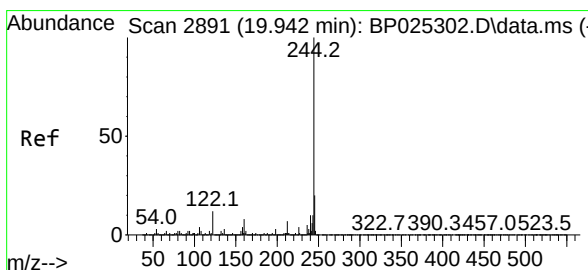
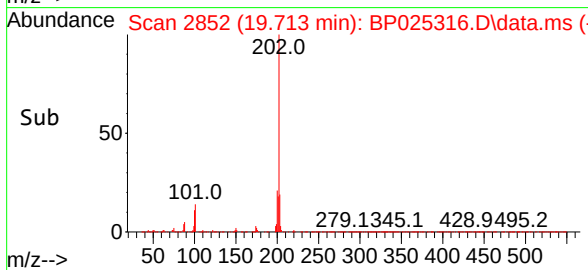
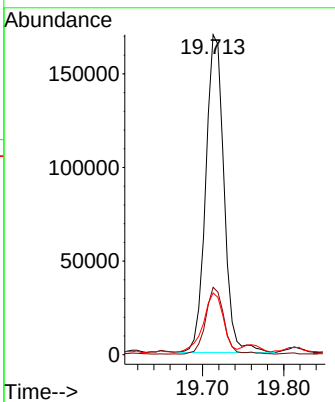
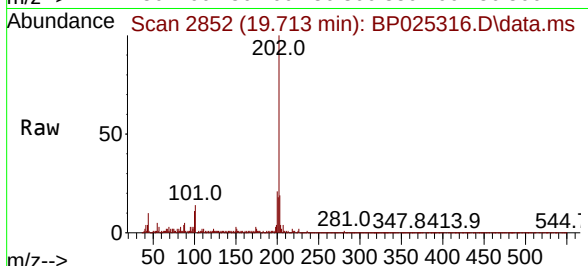


#78  
 Pyrene  
 Concen: 3.320 ng  
 RT: 19.713 min Scan# 2852  
 Delta R.T. -0.006 min  
 Lab File: BP025316.D  
 Acq: 07 Aug 2025 16:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PL-03-08062025

Tgt Ion:202 Resp: 264512

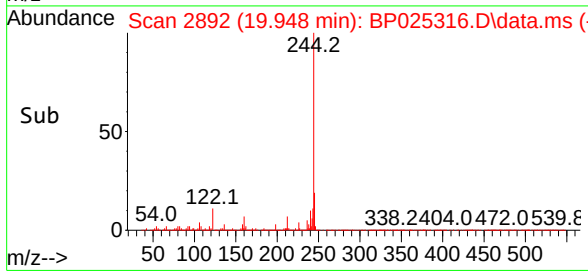
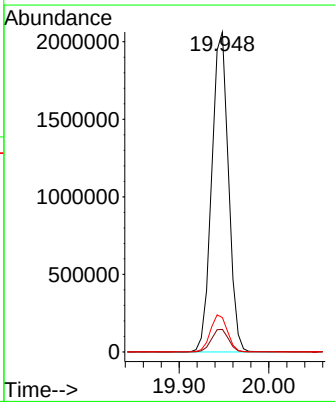
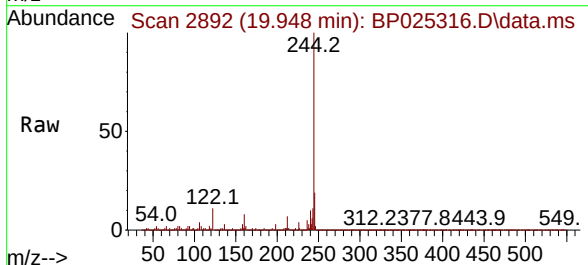
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.1  | 16.7  | 25.1  |
| 203 | 19.3  | 14.1  | 21.1  |



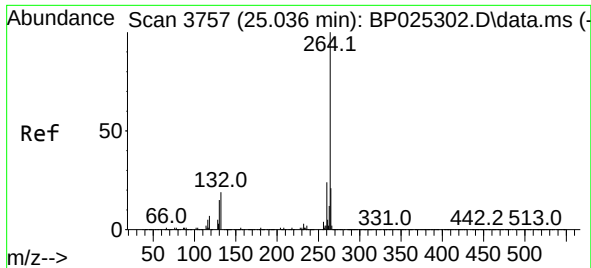
#79  
 Terphenyl-d14  
 Concen: 42.097 ng  
 RT: 19.948 min Scan# 2892  
 Delta R.T. 0.006 min  
 Lab File: BP025316.D  
 Acq: 07 Aug 2025 16:31

Tgt Ion:244 Resp: 2670284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.9   | 8.9   |
| 122 | 10.8  | 9.5   | 14.3  |







#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.054 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: BP025316.D  
Acq: 07 Aug 2025 16:31

Instrument :  
BNA\_P  
ClientSampleId :  
PL-03-08062025

Tgt Ion:264 Resp: 1335080  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 22.0  | 17.1  | 25.7  |

