

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061125\  
 Data File : BP024919.D  
 Acq On : 11 Jun 2025 19:49  
 Operator : RC/JU  
 Sample : Q2198-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

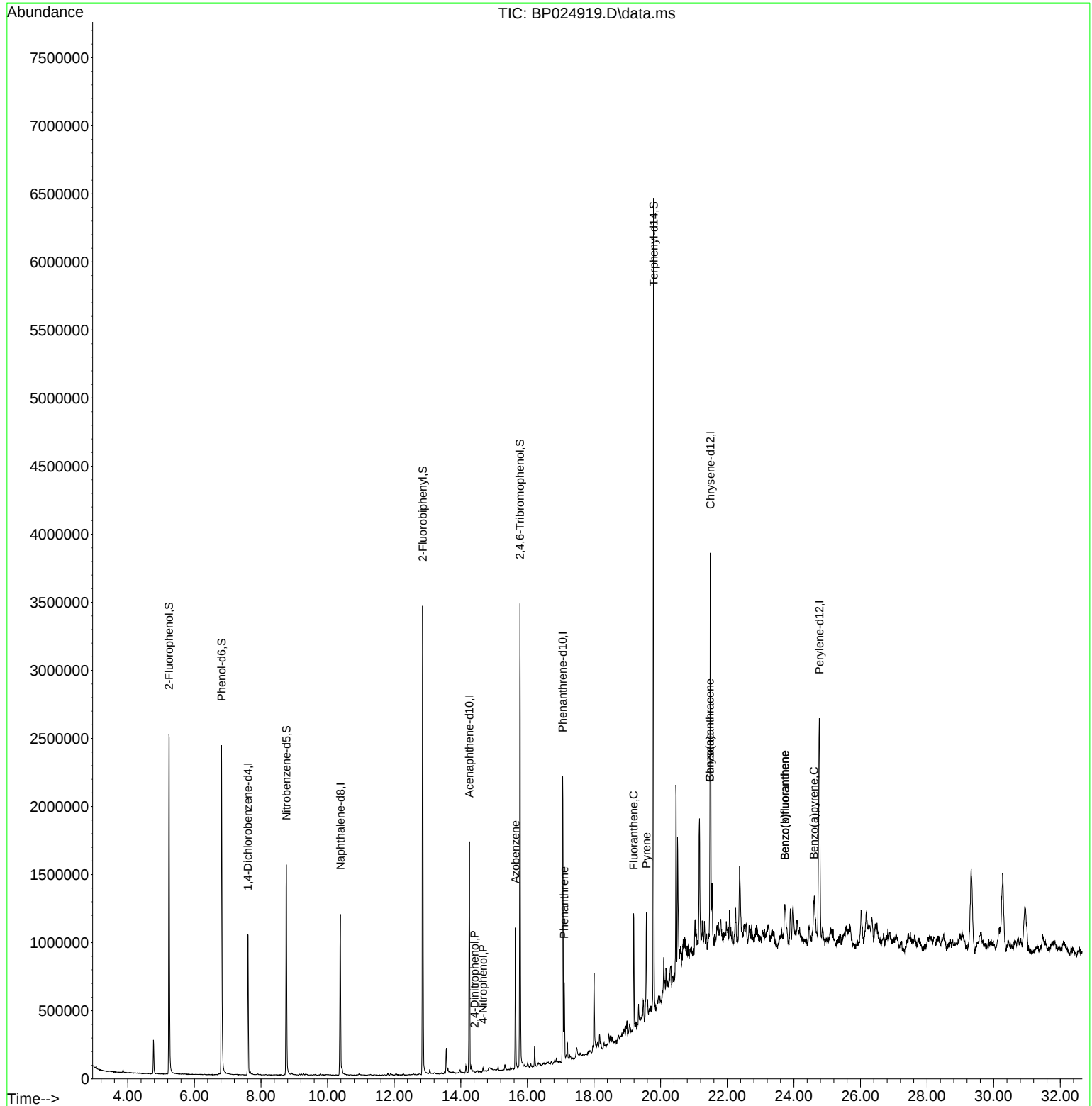
Quant Time: Jun 12 01:58:49 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 06 16:20:27 2025  
 Response via : Initial Calibration

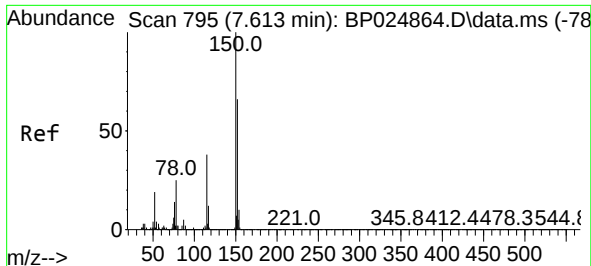
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.608  | 152  | 281069   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.384 | 136  | 1088538  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.260 | 164  | 644187   | 20.000 | ng    | 0.01     |
| 64) Phenanthrene-d10        | 17.060 | 188  | 1235783  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.495 | 240  | 1500245  | 20.000 | ng    | 0.01     |
| 86) Perylene-d12            | 24.766 | 264  | 1863840  | 20.000 | ng    | 0.05     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.237  | 112  | 1221377  | 72.535 | ng    | 0.00     |
| 7) Phenol-d6                | 6.814  | 99   | 1591048  | 71.414 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.761  | 82   | 991818   | 44.275 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.778 | 330  | 718770   | 80.704 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.854 | 172  | 1910609  | 39.955 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.789 | 244  | 2764041  | 33.020 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 54) 2,4-Dinitrophenol       | 14.413 | 184  | 11       | 5.565  | ng    | # 1      |
| 56) 4-Nitrophenol           | 14.666 | 139  | 6649     | 6.098  | ng    | # 23     |
| 63) Azobenzene              | 15.643 | 77   | 268054   | 6.171  | ng    | # 1      |
| 71) Phenanthrene            | 17.101 | 178  | 365458   | 5.351  | ng    | 99       |
| 75) Fluoranthene            | 19.189 | 202  | 501767   | 6.339  | ng    | 100      |
| 78) Pyrene                  | 19.572 | 202  | 474694   | 5.065  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.477 | 228  | 213141   | 2.221  | ng    | 97       |
| 83) Chrysene                | 21.477 | 228  | 213141   | 2.344  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 23.730 | 252  | 269531   | 2.527  | ng    | # 92     |
| 89) Benzo(k)fluoranthene    | 23.730 | 252  | 269531   | 2.482  | ng    | # 92     |
| 90) Benzo(a)pyrene          | 24.601 | 252  | 215935   | 2.073  | ng    | # 91     |
| -----                       |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061125\  
Data File : BP024919.D  
Acq On : 11 Jun 2025 19:49  
Operator : RC/JU  
Sample : Q2198-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

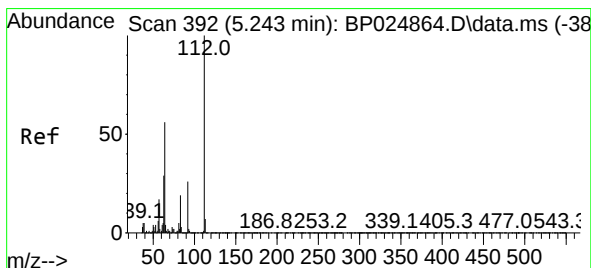
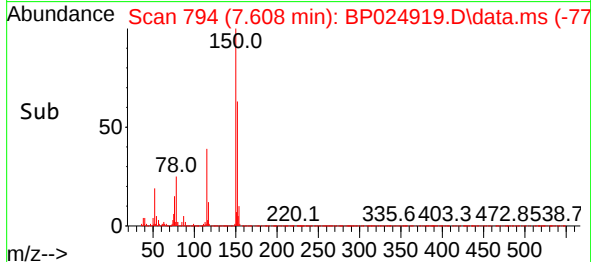
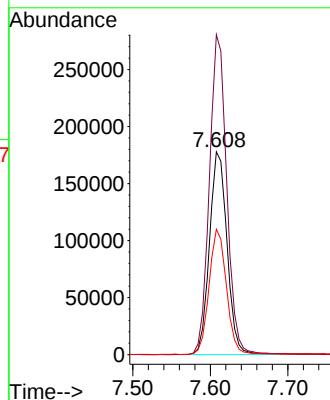
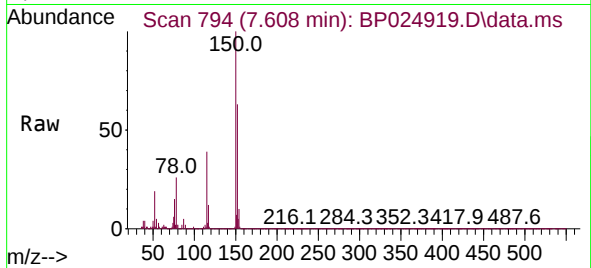
Quant Time: Jun 12 01:58:49 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 06 16:20:27 2025  
Response via : Initial Calibration





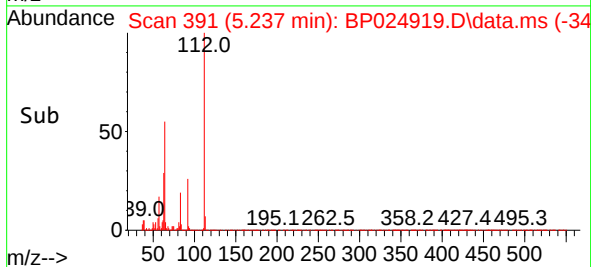
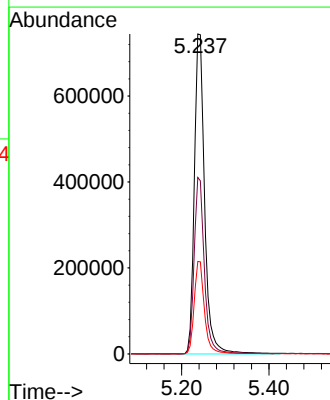
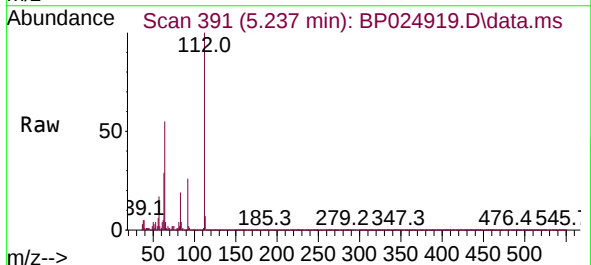
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.608 min Scan# 794  
Delta R.T. -0.005 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

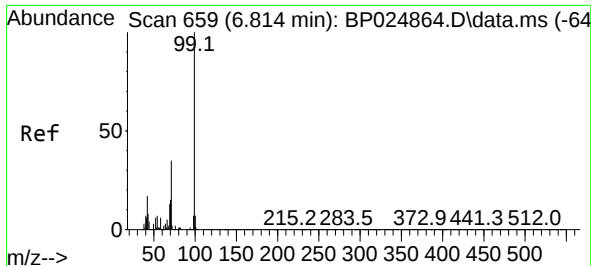
Tgt Ion:152 Resp: 281069  
Ion Ratio Lower Upper  
152 100  
150 157.7 122.1 183.1  
115 61.8 46.4 69.6



#5  
2-Fluorophenol  
Concen: 72.535 ng  
RT: 5.237 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

Tgt Ion:112 Resp: 1221377  
Ion Ratio Lower Upper  
112 100  
64 55.1 44.7 67.1  
63 28.9 23.5 35.3

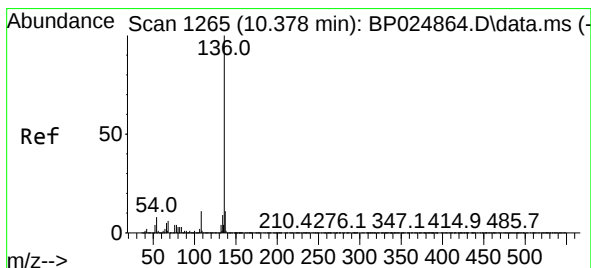
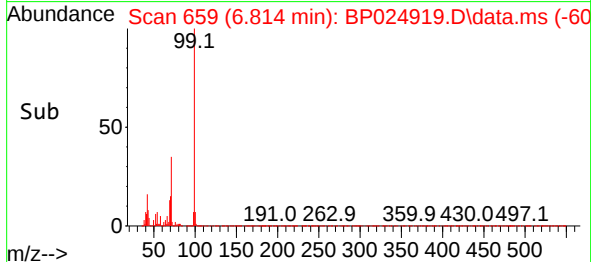
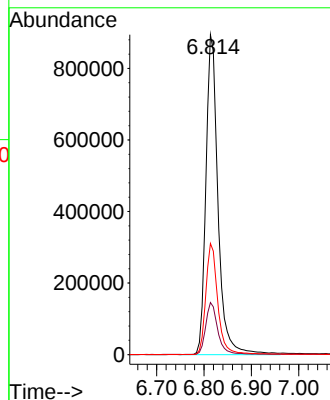
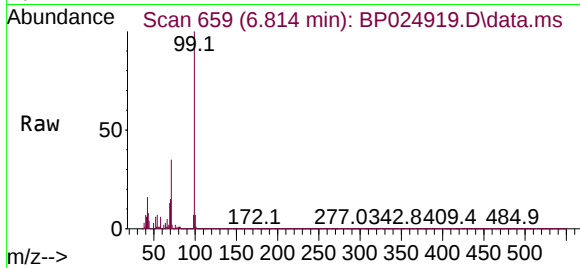




#7  
Phenol-d6  
Concen: 71.414 ng  
RT: 6.814 min Scan# 659  
Delta R.T. 0.000 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

Tgt Ion: 99 Resp: 1591048

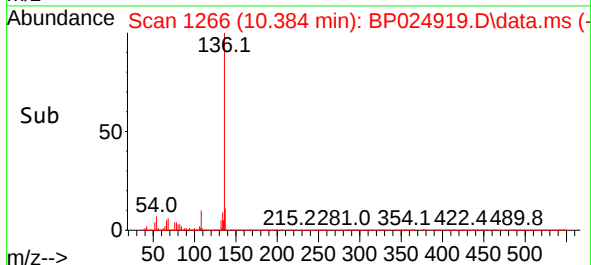
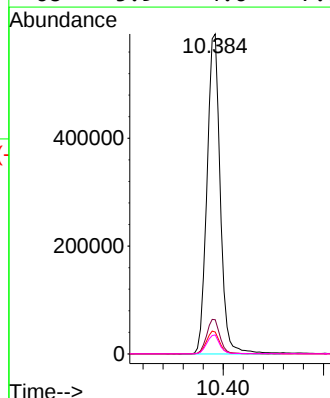
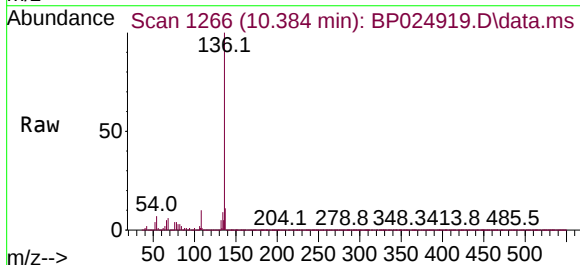
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 13.4  | 20.2  |
| 71  | 34.7  | 27.6  | 41.4  |

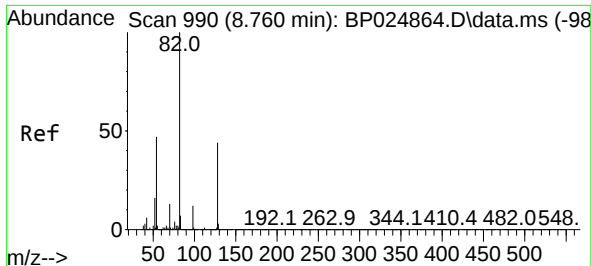


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.384 min Scan# 1266  
Delta R.T. 0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

Tgt Ion: 136 Resp: 1088538

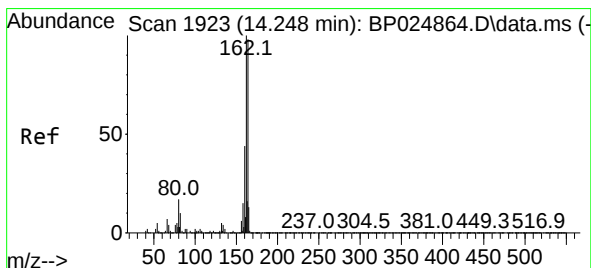
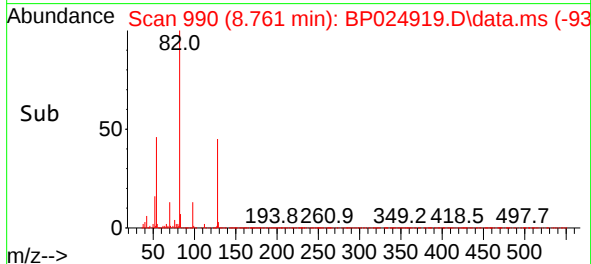
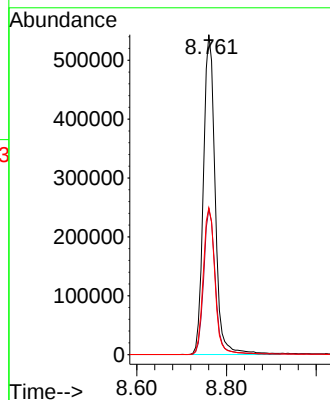
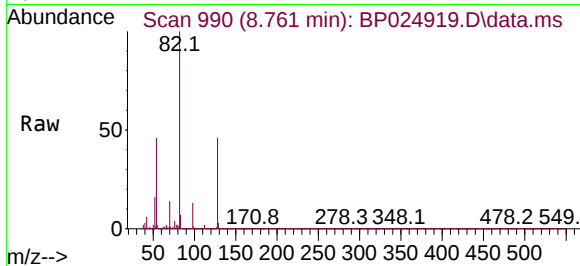
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 6.8   | 6.1   | 9.1   |
| 68  | 5.9   | 4.6   | 7.0   |





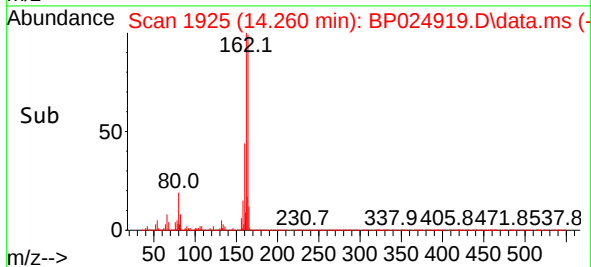
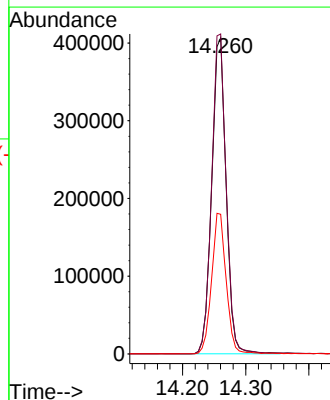
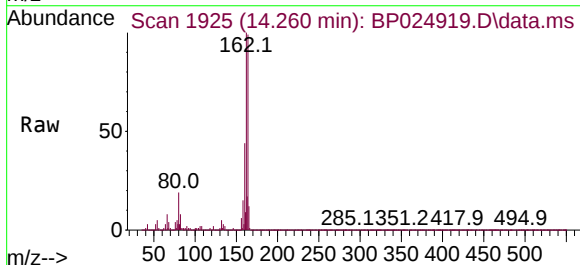
#23  
Nitrobenzene-d5  
Concen: 44.275 ng  
RT: 8.761 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

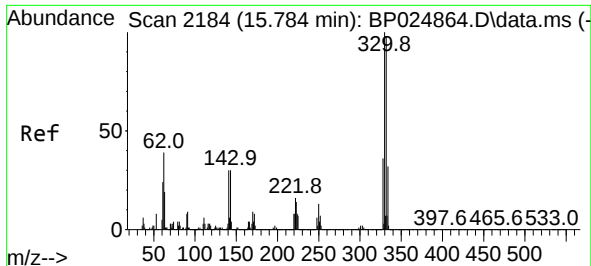
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 991818 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.5  | 35.3  | 52.9   |
| 54       | 45.9  | 37.4  | 56.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.260 min Scan# 1925  
Delta R.T. 0.012 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

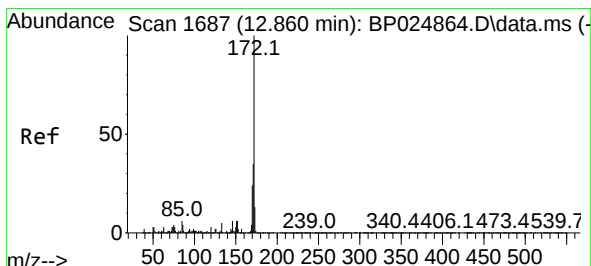
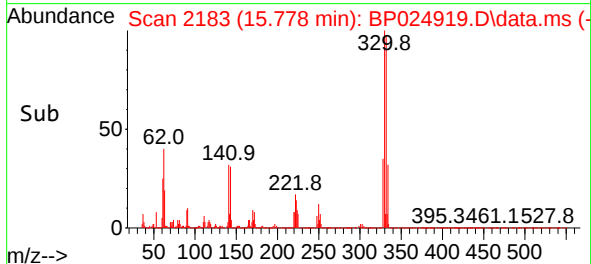
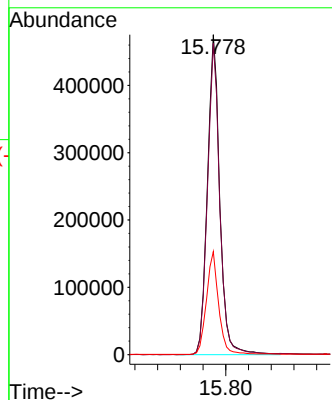
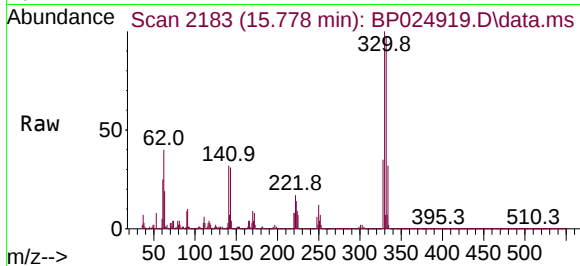
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 644187 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 101.3 | 81.6  | 122.4  |
| 160      | 44.2  | 36.2  | 54.2   |





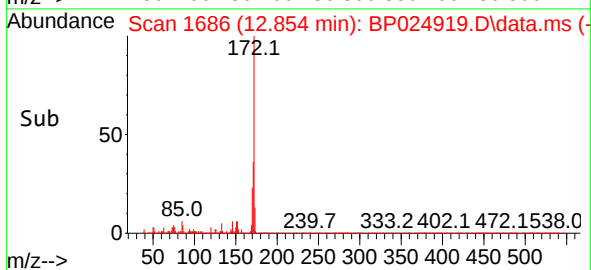
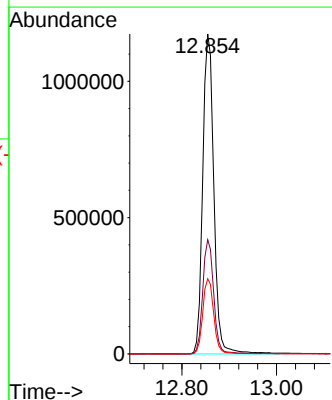
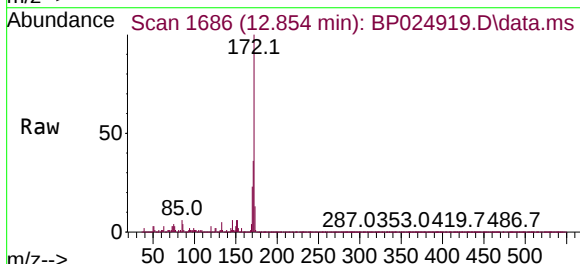
#42  
2,4,6-Tribromophenol  
Concen: 80.704 ng  
RT: 15.778 min Scan# 2183  
Delta R.T. -0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

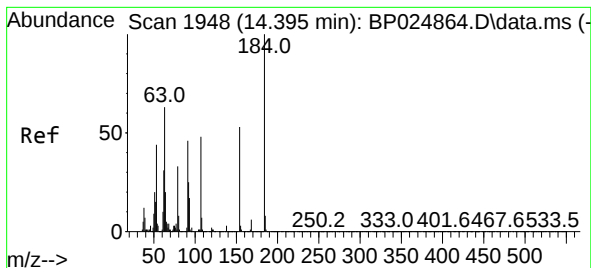
Tgt Ion: 330 Resp: 718770  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.7 116.5  
141 31.9 26.4 39.6



#45  
2-Fluorobiphenyl  
Concen: 39.955 ng  
RT: 12.854 min Scan# 1686  
Delta R.T. -0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

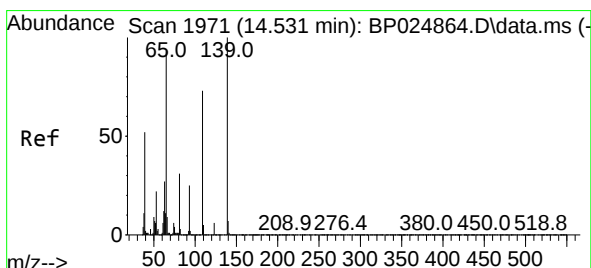
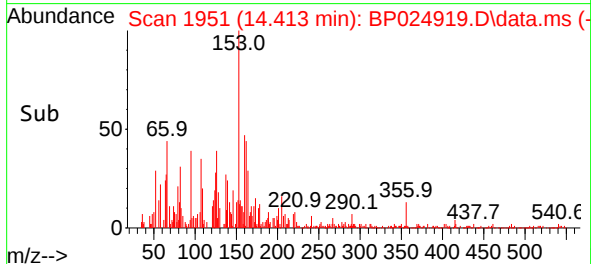
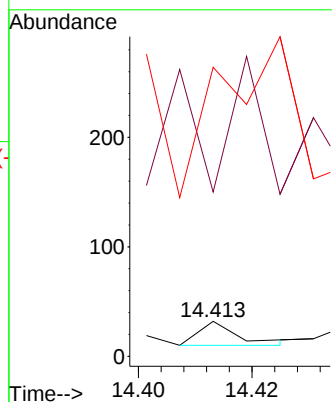
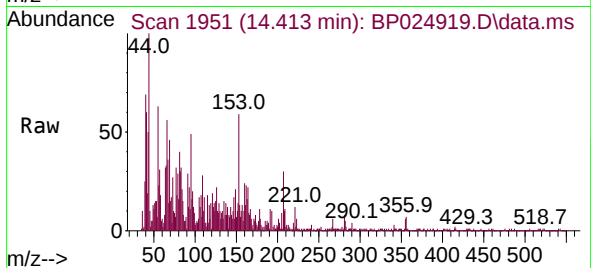
Tgt Ion: 172 Resp: 1910609  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.3 42.5  
170 23.5 19.0 28.4





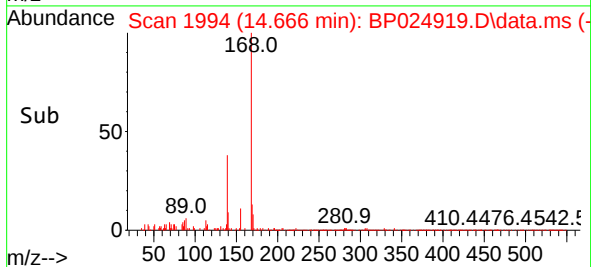
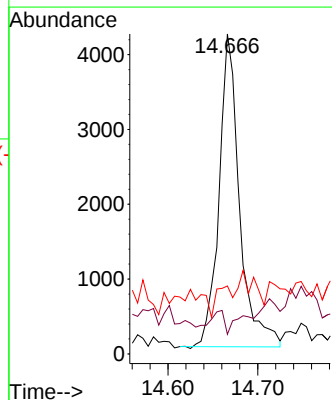
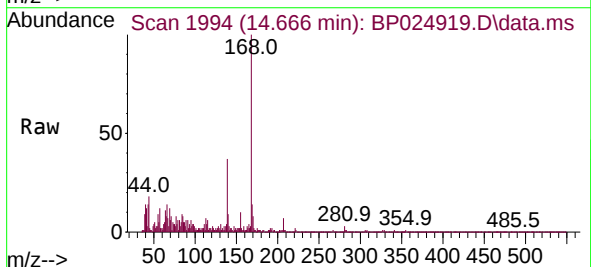
#54  
2,4-Dinitrophenol  
Concen: 5.565 ng  
RT: 14.413 min Scan# 1951  
Delta R.T. 0.018 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

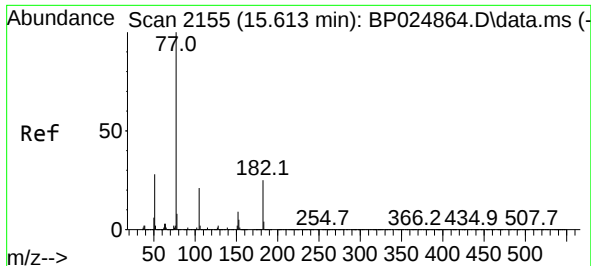
Tgt Ion:184 Resp: 11  
Ion Ratio Lower Upper  
184 100  
63 468.8 51.0 76.4#  
154 825.0 51.7 77.5#



#56  
4-Nitrophenol  
Concen: 6.098 ng  
RT: 14.666 min Scan# 1994  
Delta R.T. 0.135 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

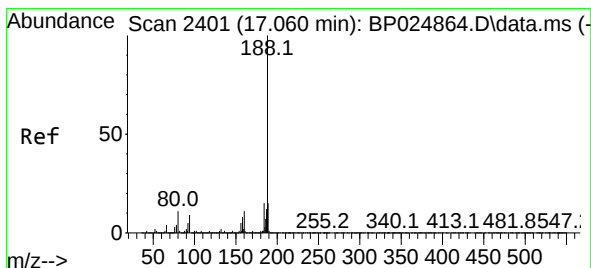
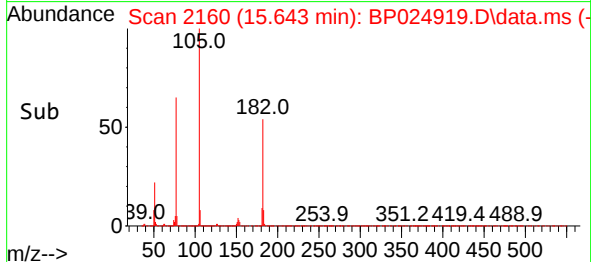
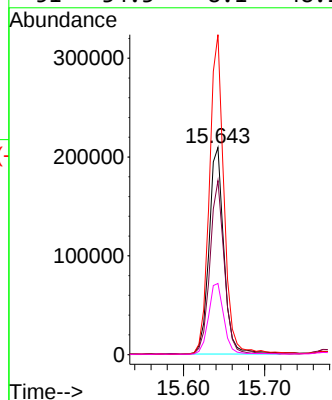
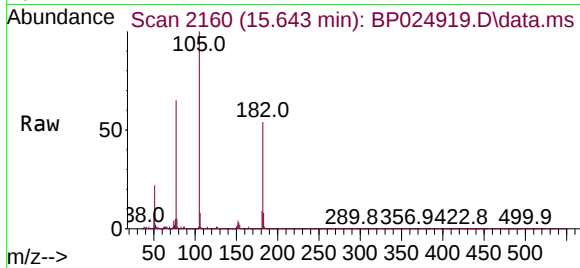
Tgt Ion:139 Resp: 6649  
Ion Ratio Lower Upper  
139 100  
109 6.1 53.1 93.1#  
65 21.3 73.0 113.0#





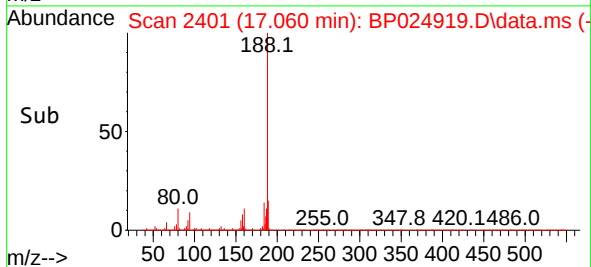
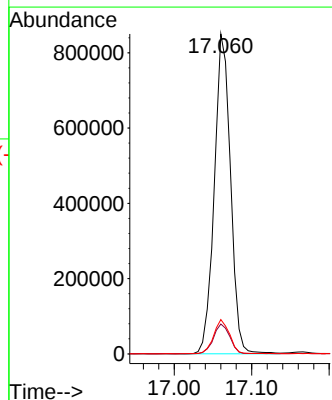
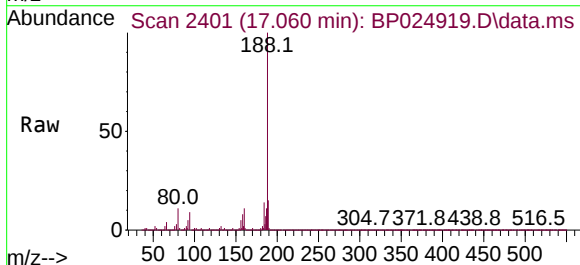
#63  
Azobenzene  
Concen: 6.171 ng  
RT: 15.643 min Scan# 2160  
Delta R.T. 0.029 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

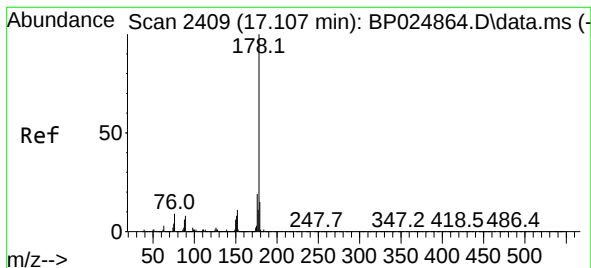
| Tgt Ion | 77    | Resp  | 268054 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 182     | 84.0  | 5.4   | 45.4#  |
| 105     | 154.5 | 0.8   | 40.8#  |
| 51      | 34.3  | 8.1   | 48.1   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.060 min Scan# 2401  
Delta R.T. 0.000 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

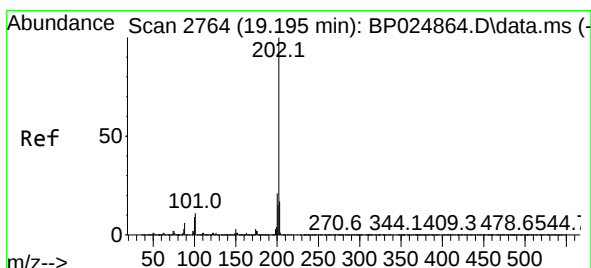
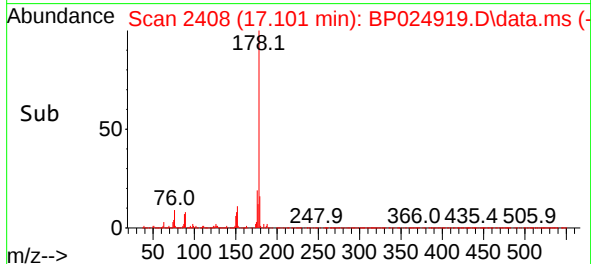
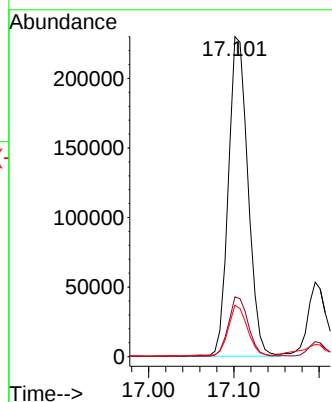
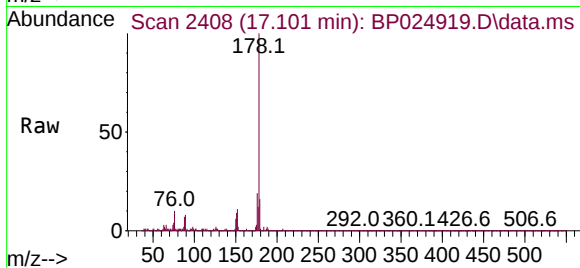
| Tgt Ion | 188   | Resp  | 1235783 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 188     | 100   |       |         |
| 94      | 9.3   | 7.3   | 10.9    |
| 80      | 10.7  | 8.5   | 12.7    |





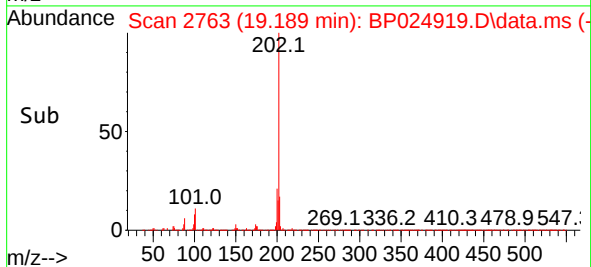
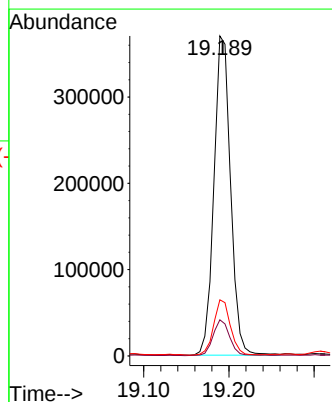
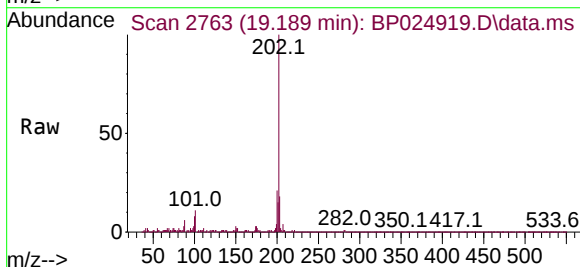
#71  
Phenanthrene  
Concen: 5.351 ng  
RT: 17.101 min Scan# 2408  
Delta R.T. -0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

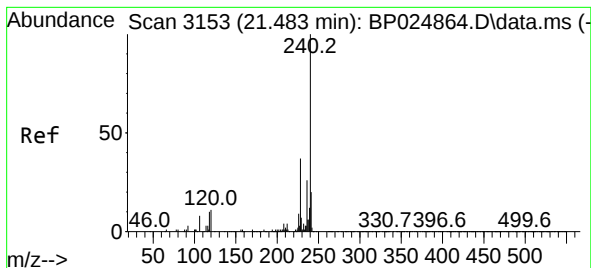
Tgt Ion:178 Resp: 365458  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 16.0 12.1 18.1



#75  
Fluoranthene  
Concen: 6.339 ng  
RT: 19.189 min Scan# 2763  
Delta R.T. -0.006 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

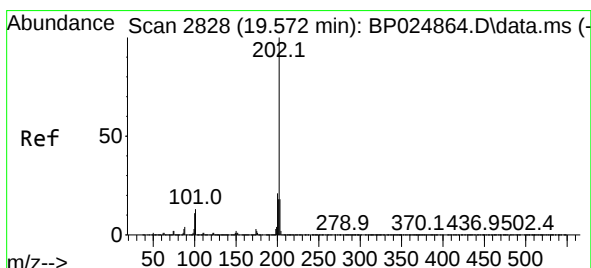
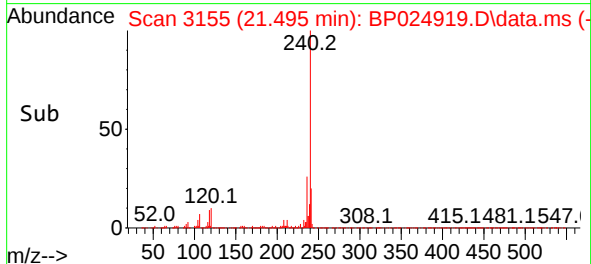
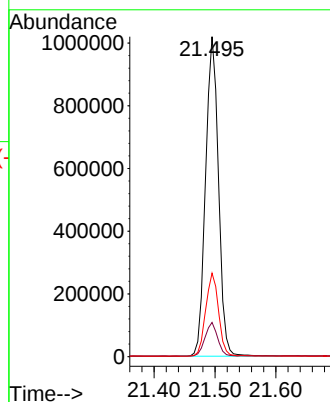
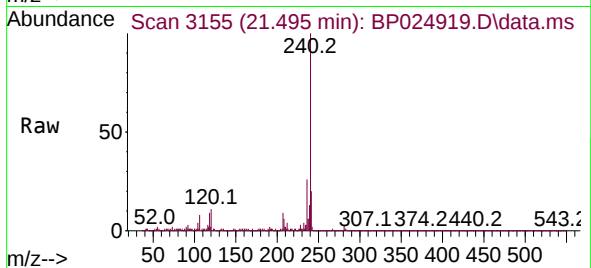
Tgt Ion:202 Resp: 501767  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 31.4  
203 17.5 0.0 37.5





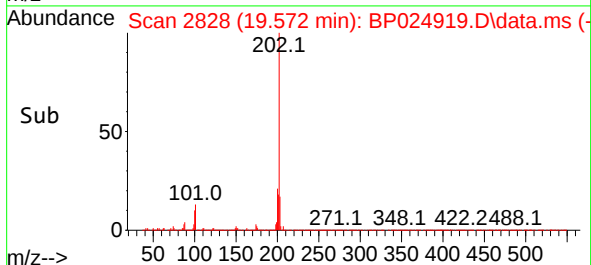
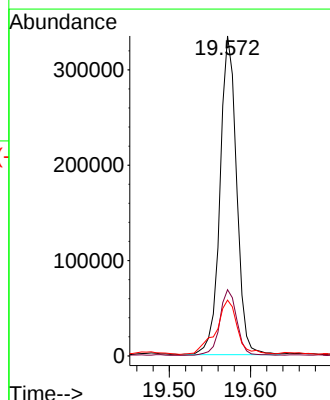
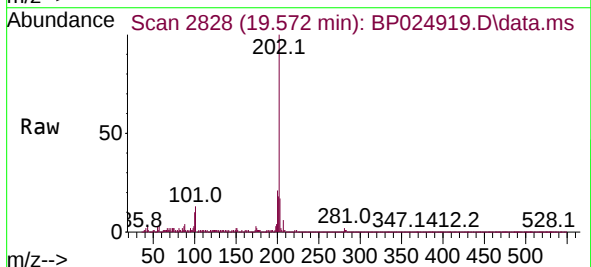
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.495 min Scan# 3155  
Delta R.T. 0.012 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

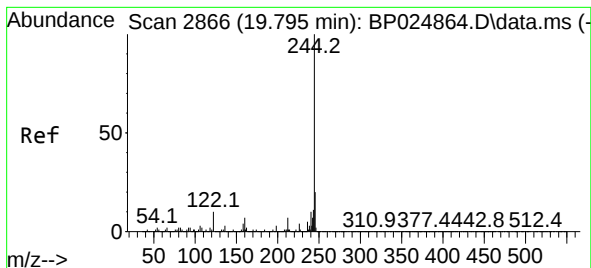
Tgt Ion:240 Resp: 1500245  
Ion Ratio Lower Upper  
240 100  
120 10.7 8.9 13.3  
236 26.1 20.9 31.3



#78  
Pyrene  
Concen: 5.065 ng  
RT: 19.572 min Scan# 2828  
Delta R.T. 0.000 min  
Lab File: BP024919.D  
Acq: 11 Jun 2025 19:49

Tgt Ion:202 Resp: 474694  
Ion Ratio Lower Upper  
202 100  
200 20.7 17.1 25.7  
203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 33.020 ng

RT: 19.789 min Scan# 2865

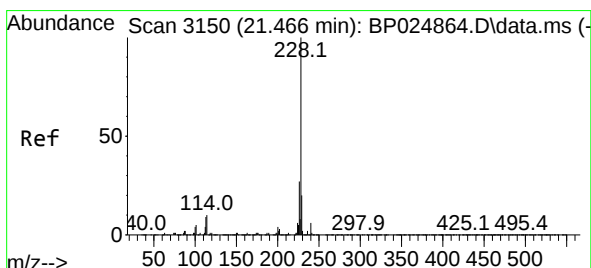
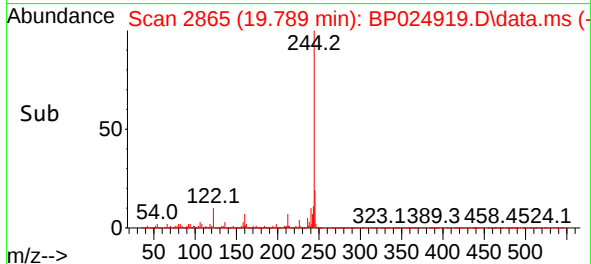
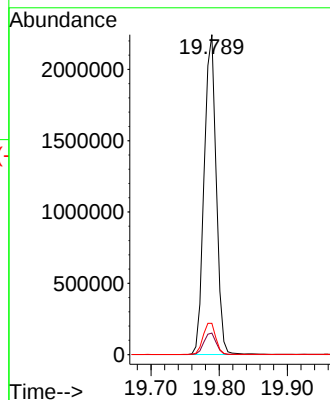
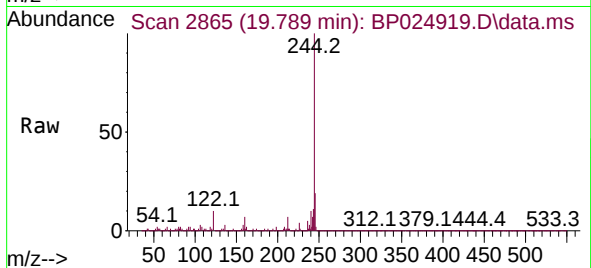
Delta R.T. -0.006 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Tgt Ion:244 Resp: 2764041

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.7   | 5.6   | 8.4   |
| 122 | 9.8   | 7.7   | 11.5  |



#81

Benzo(a)anthracene

Concen: 2.221 ng

RT: 21.477 min Scan# 3152

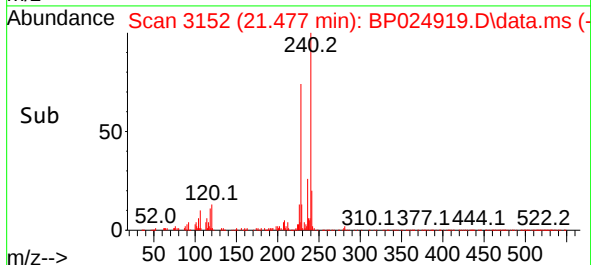
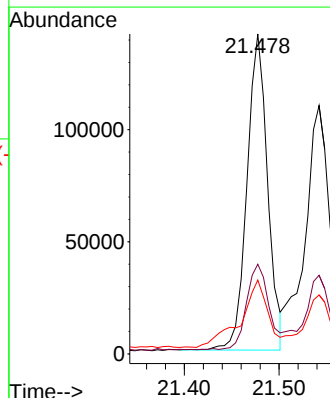
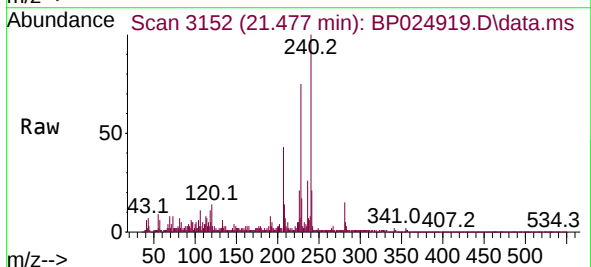
Delta R.T. 0.012 min

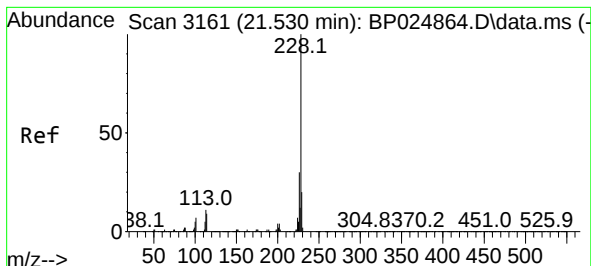
Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Tgt Ion:228 Resp: 213141

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.0  | 22.1  | 33.1  |
| 229 | 23.1  | 15.9  | 23.9  |





#83

Chrysene

Concen: 2.344 ng

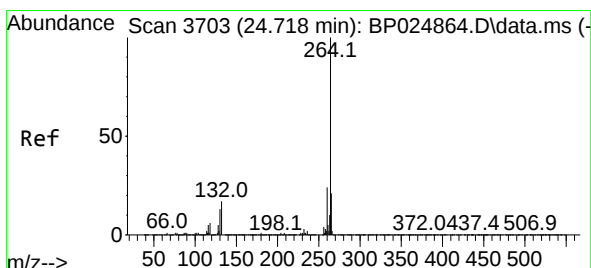
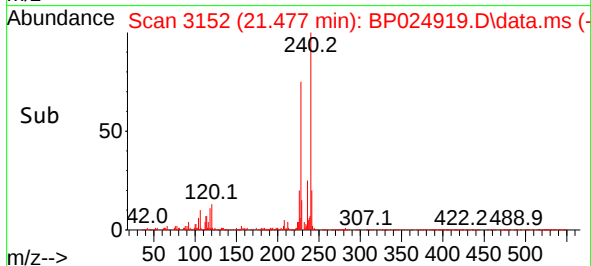
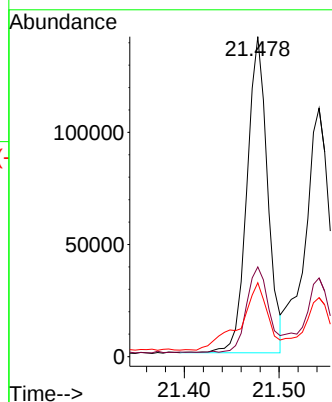
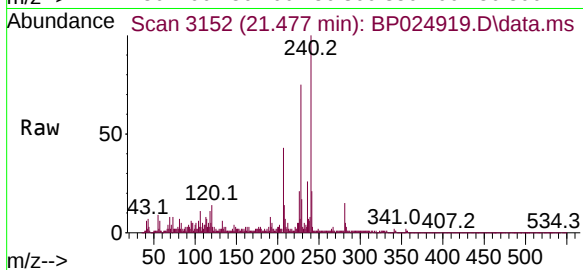
RT: 21.477 min Scan# 3152

Delta R.T. -0.053 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 213141 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.0  | 23.8  | 35.6   |
| 229       | 23.1  | 15.6  | 23.4   |



#86

Perylene-d12

Concen: 20.000 ng

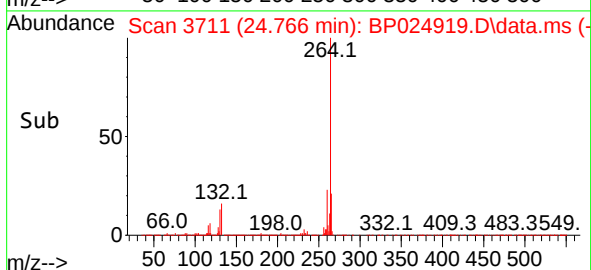
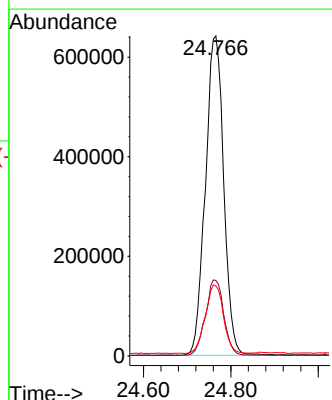
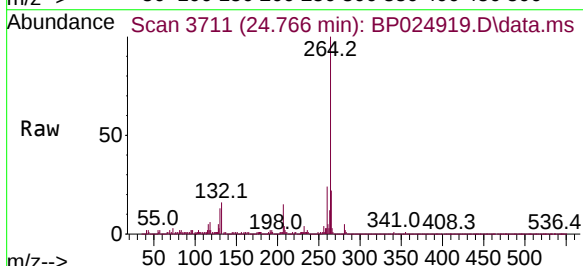
RT: 24.766 min Scan# 3711

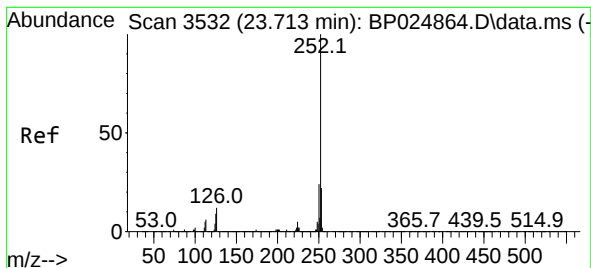
Delta R.T. 0.047 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 264   | Resp: | 1863840 |
| Ion Ratio | Lower | Upper |         |
| 264       | 100   |       |         |
| 260       | 23.6  | 19.0  | 28.4    |
| 265       | 21.9  | 17.4  | 26.0    |





#88

Benzo(b)fluoranthene

Concen: 2.527 ng

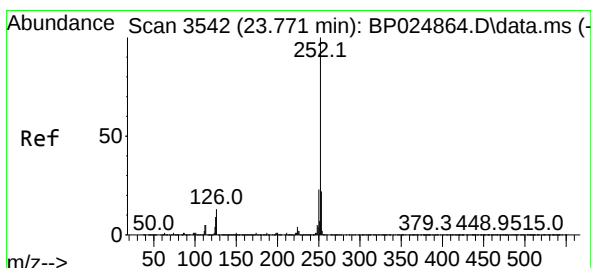
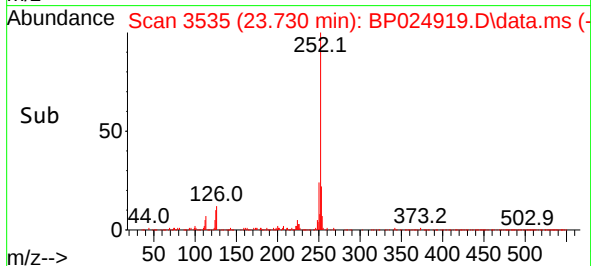
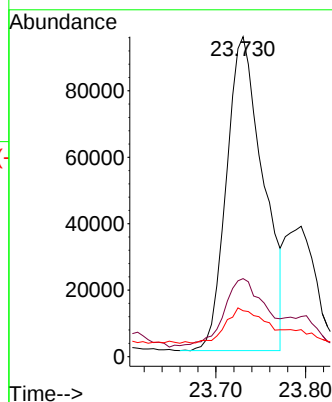
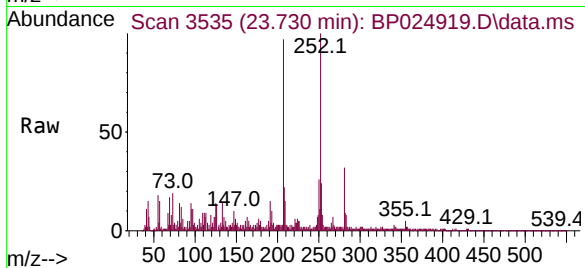
RT: 23.730 min Scan# 3535

Delta R.T. 0.018 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 269531 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.4  | 17.6  | 26.4   |
| 125       | 14.3  | 7.1   | 10.7#  |



#89

Benzo(k)fluoranthene

Concen: 2.482 ng

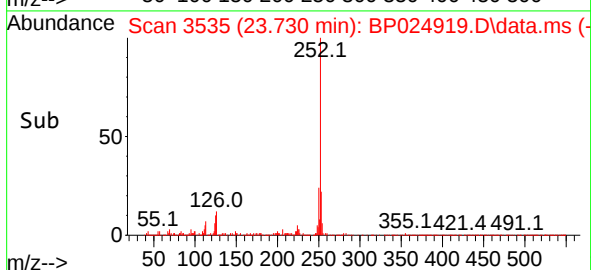
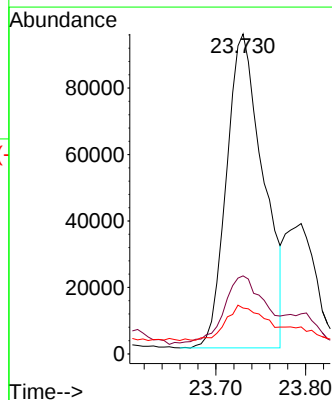
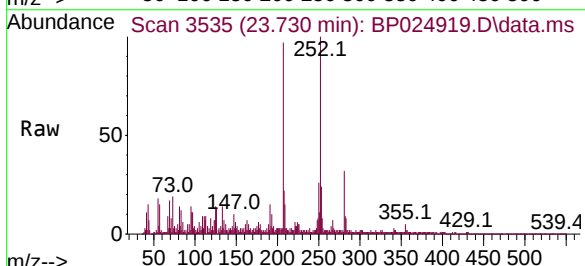
RT: 23.730 min Scan# 3535

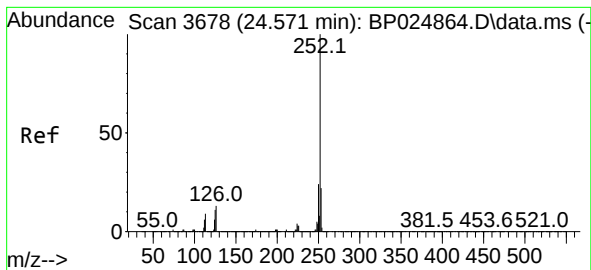
Delta R.T. -0.041 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 269531 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.4  | 17.7  | 26.5   |
| 125       | 14.3  | 7.4   | 11.0#  |





#90

Benzo(a)pyrene

Concen: 2.073 ng

RT: 24.601 min Scan# 3683

Delta R.T. 0.029 min

Lab File: BP024919.D

Acq: 11 Jun 2025 19:49

Tgt Ion:252 Resp: 215935

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 15.8 8.8 13.2#

