

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071025\  
 Data File : BP025093.D  
 Acq On : 10 Jul 2025 21:50  
 Operator : CG/JU  
 Sample : Q2523-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAD-070825-1

Quant Time: Jul 11 02:33:05 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 03 16:05:44 2025  
 Response via : Initial Calibration

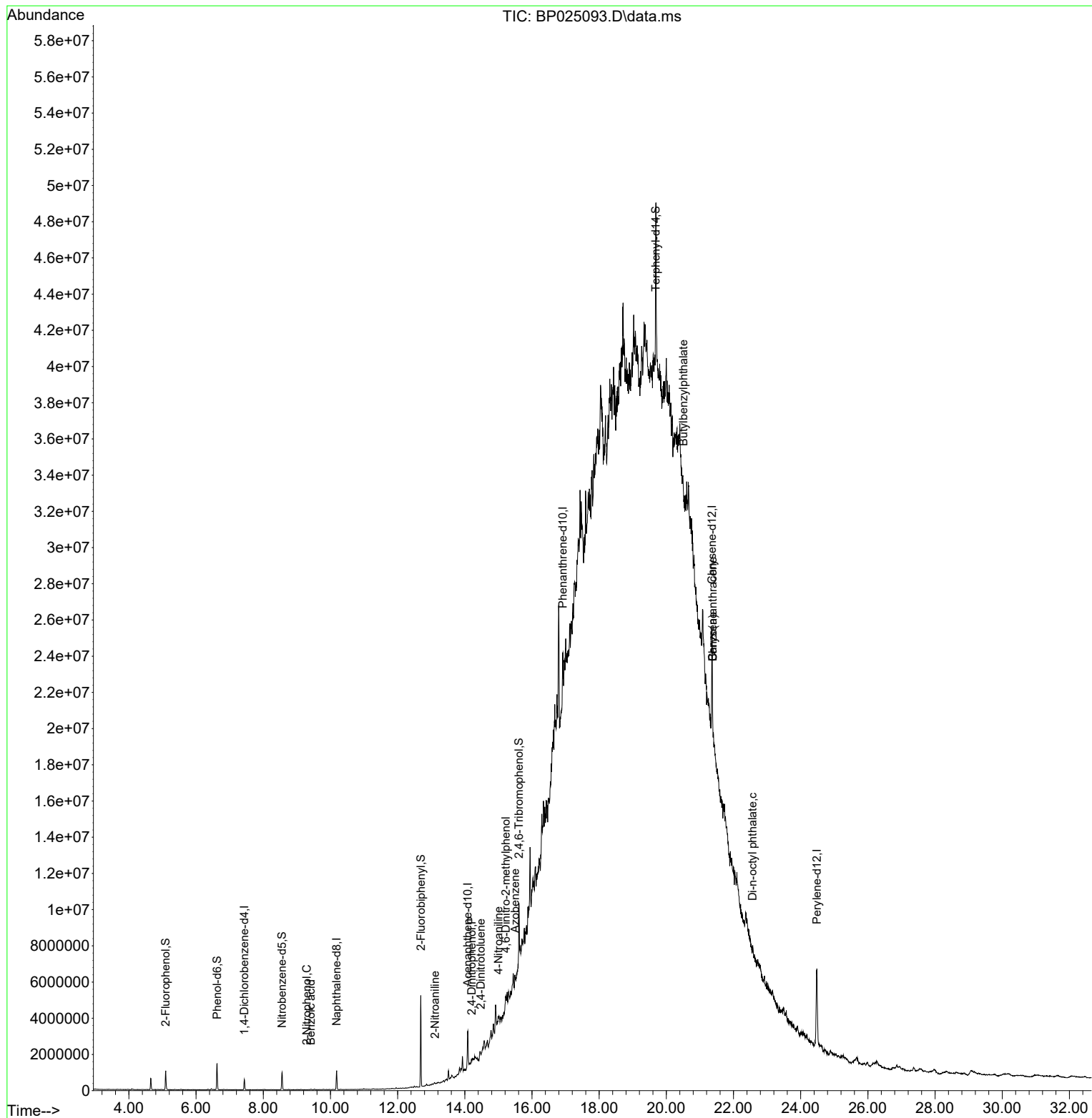
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.437  | 152  | 158012   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.184 | 136  | 857938   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.089 | 164  | 769681   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.919 | 188  | 1812836  | 20.000 | ng    | # 0.01   |
| 76) Chrysene-d12              | 21.360 | 240  | 3218329  | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 24.483 | 264  | 4135036  | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.096  | 112  | 506816   | 56.831 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.625  | 99   | 867639   | 74.554 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.560  | 82   | 556679   | 43.152 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.613 | 330  | 733463   | 80.667 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.689 | 172  | 2421341  | 48.735 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.689 | 244  | 6840879  | 46.716 | ng    | 0.02     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 26) 2-Nitrophenol             | 9.296  | 139  | 72       | 3.312  | ng    | # 1      |
| 32) Benzoic acid              | 9.413  | 122  | 8264     | 7.004  | ng    | 93       |
| 48) 2-Nitroaniline            | 13.113 | 65   | 2067     | 2.953  | ng    | # 69     |
| 54) 2,4-Dinitrophenol         | 14.207 | 184  | 596      | 5.493  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.472 | 165  | 13085    | 3.439  | ng    | # 41     |
| 62) 4-Nitroaniline            | 15.001 | 138  | 30577    | 2.590  | ng    | 87       |
| 63) Azobenzene                | 15.495 | 77   | 133758   | 2.776  | ng    | # 7      |
| 65) 4,6-Dinitro-2-methylph... | 15.219 | 198  | 10150    | 6.666  | ng    | # 1      |
| 80) Butylbenzylphthalate      | 20.507 | 149  | 30047    | 4.043  | ng    | # 37     |
| 81) Benzo(a)anthracene        | 21.377 | 228  | 445547   | 2.284  | ng    | # 62     |
| 83) Chrysene                  | 21.377 | 228  | 445547   | 2.374  | ng    | # 66     |
| 85) Di-n-octyl phthalate      | 22.571 | 149  | 18532    | 6.183  | ng    | # 75     |
| -----                         |        |      |          |        |       |          |

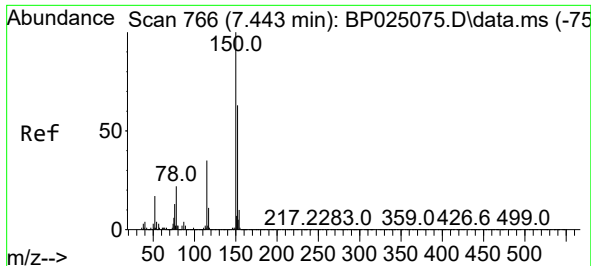
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071025\  
Data File : BP025093.D  
Acq On : 10 Jul 2025 21:50  
Operator : CG/JU  
Sample : Q2523-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

Quant Time: Jul 11 02:33:05 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 03 16:05:44 2025  
Response via : Initial Calibration

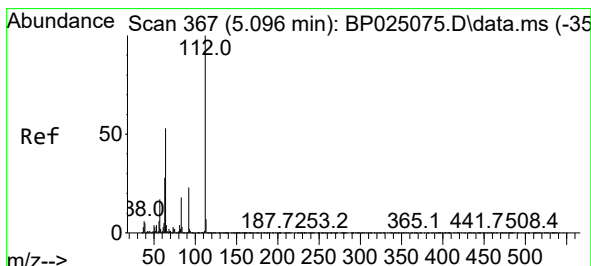
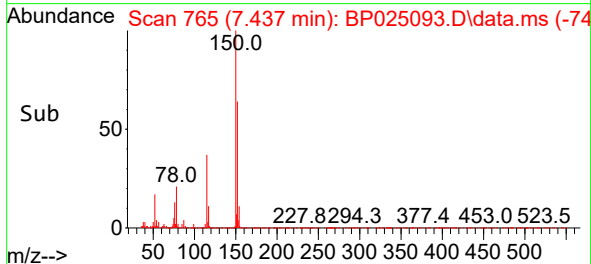
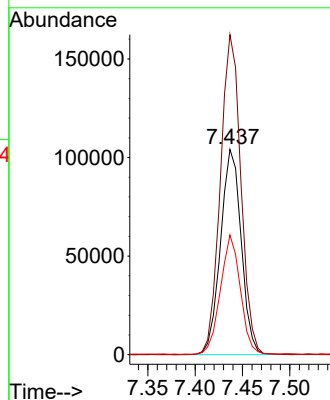
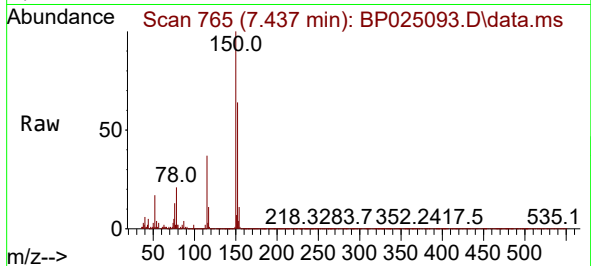




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.437 min Scan# 766  
Delta R.T. -0.006 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

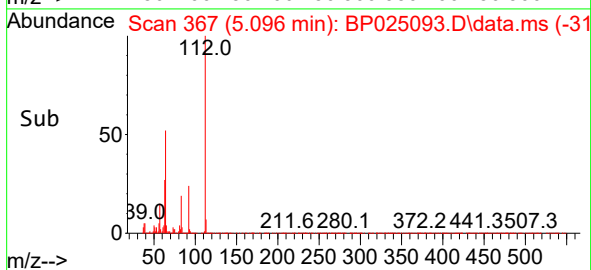
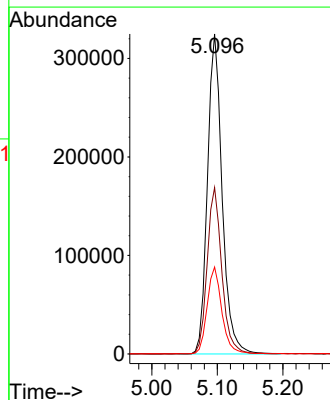
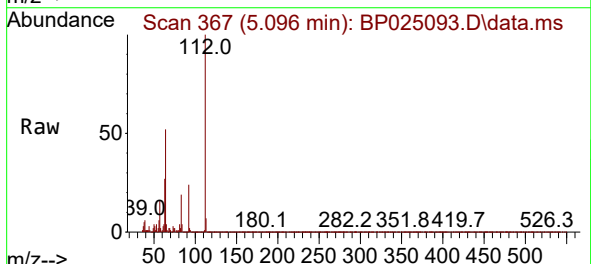
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

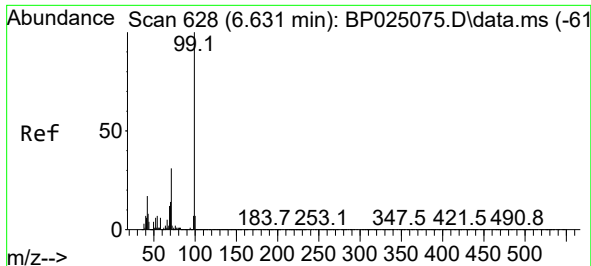
Tgt Ion:152 Resp: 158012  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.1 189.1  
115 58.3 44.3 66.5



#5  
2-Fluorophenol  
Concen: 56.831 ng  
RT: 5.096 min Scan# 367  
Delta R.T. -0.000 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion:112 Resp: 506816  
Ion Ratio Lower Upper  
112 100  
64 52.0 42.0 63.0  
63 27.1 22.2 33.2

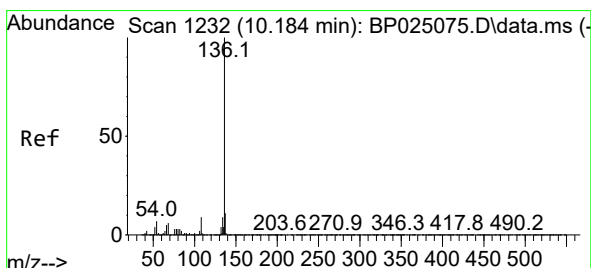
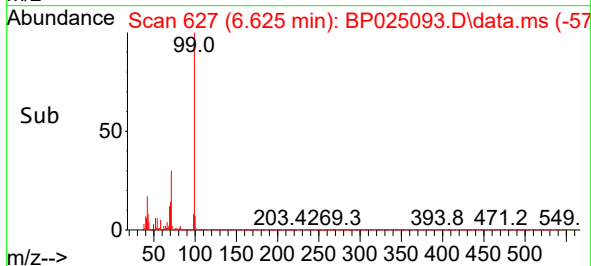
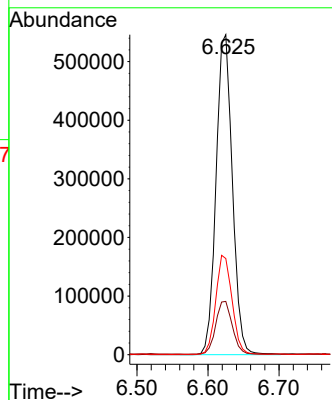
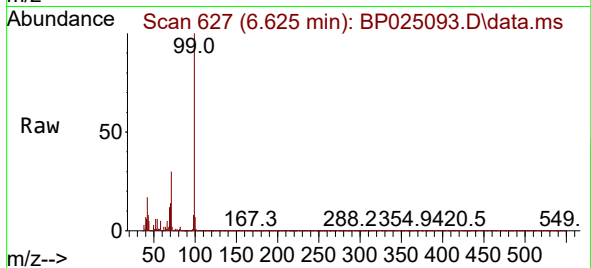




#7  
Phenol-d6  
Concen: 74.554 ng  
RT: 6.625 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

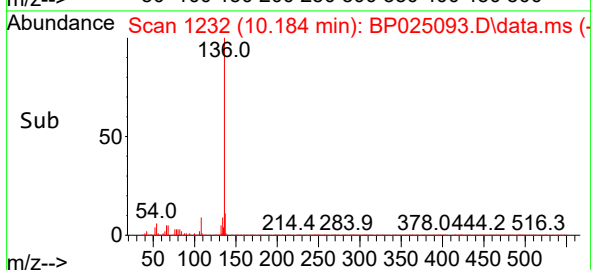
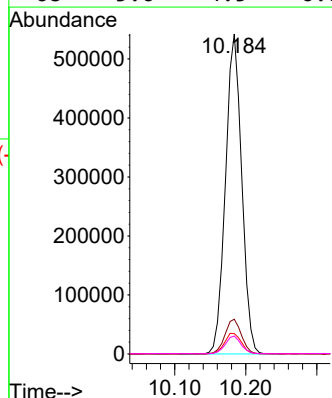
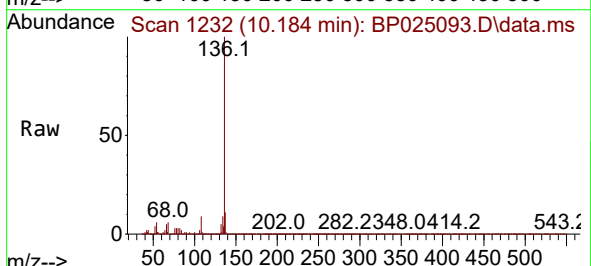
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

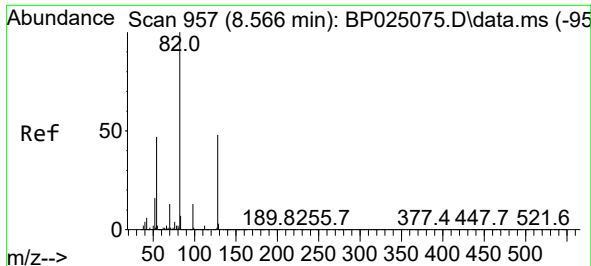
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 867639 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 16.7  | 13.6  | 20.4   |
| 71       | 30.1  | 24.4  | 36.6   |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.184 min Scan# 1232  
Delta R.T. -0.000 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 857938 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.7   | 13.1   |
| 54       | 6.3   | 5.4   | 8.2    |
| 68       | 5.6   | 4.5   | 6.7    |

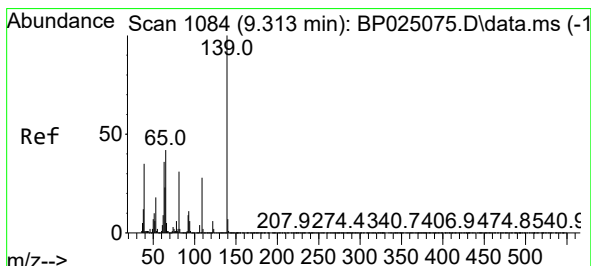
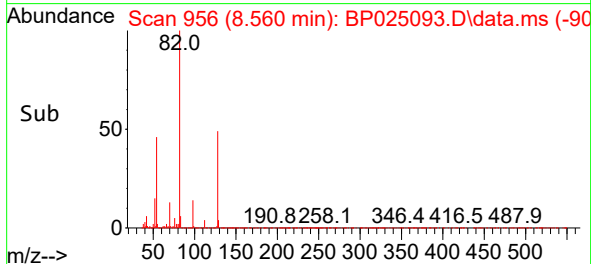
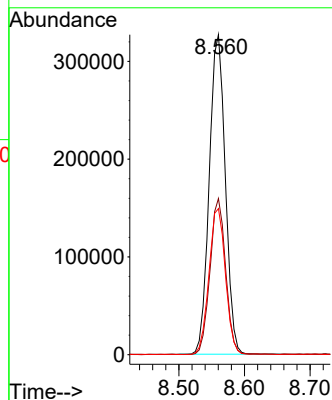
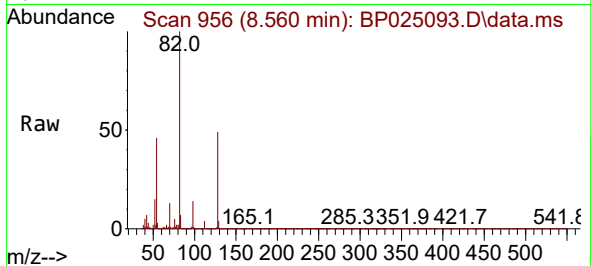




#23  
Nitrobenzene-d5  
Concen: 43.152 ng  
RT: 8.560 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

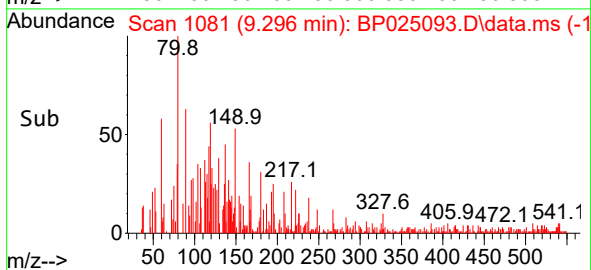
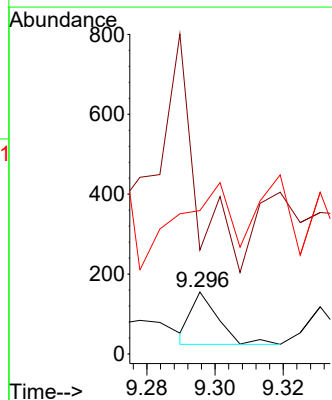
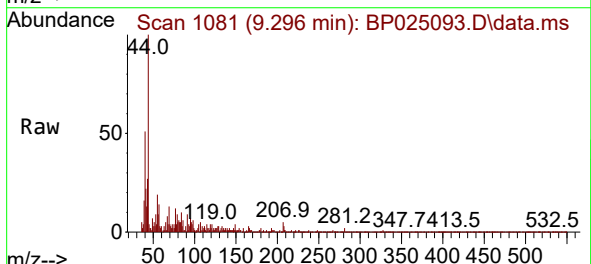
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

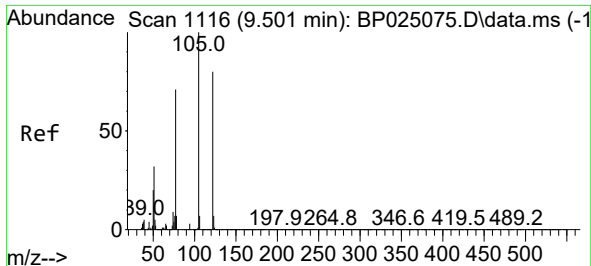
Tgt Ion: 82 Resp: 556679  
Ion Ratio Lower Upper  
82 100  
128 48.8 38.4 57.6  
54 45.7 37.8 56.6



#26  
2-Nitrophenol  
Concen: 3.312 ng  
RT: 9.296 min Scan# 1081  
Delta R.T. -0.017 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion:139 Resp: 72  
Ion Ratio Lower Upper  
139 100  
109 167.7 22.3 33.5#  
65 231.6 33.8 50.8#

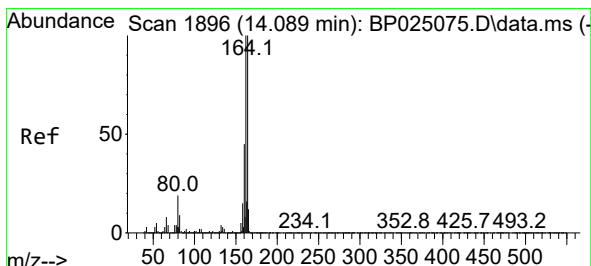
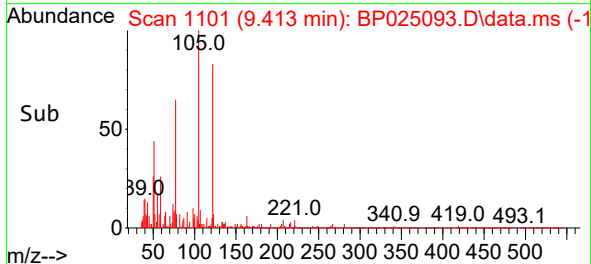
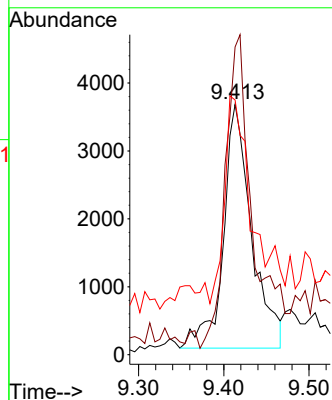
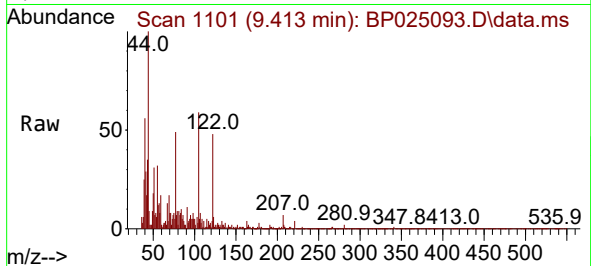




#32  
Benzoic acid  
Concen: 7.004 ng  
RT: 9.413 min Scan# 1116  
Delta R.T. -0.088 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

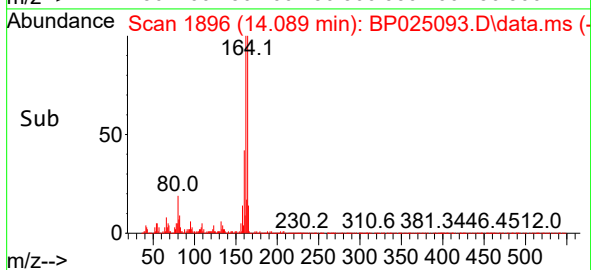
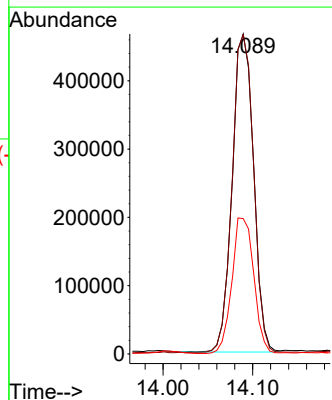
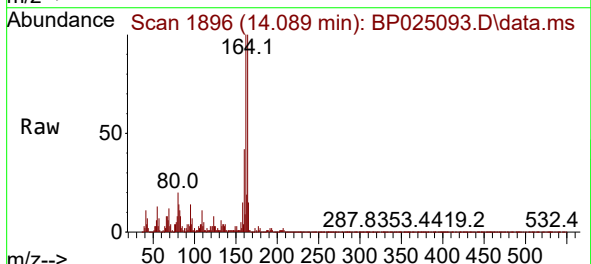
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

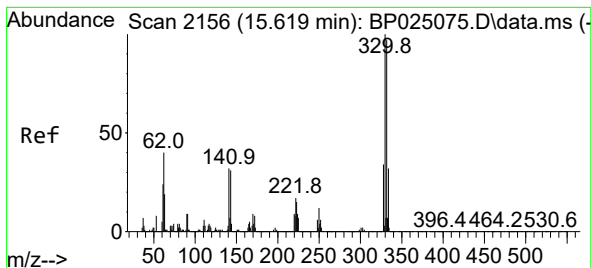
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 8264  |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 105      | 123.0 | 101.0 | 141.0 |
| 77       | 101.8 | 67.6  | 107.6 |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.089 min Scan# 1896  
Delta R.T. 0.000 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 769681 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 99.8  | 80.3  | 120.5  |
| 160      | 42.3  | 35.9  | 53.9   |





#42

2,4,6-Tribromophenol

Concen: 80.667 ng

RT: 15.613 min Scan# 2156

Delta R.T. -0.006 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

Instrument :

BNA\_P

ClientSampleId :

PAD-070825-1

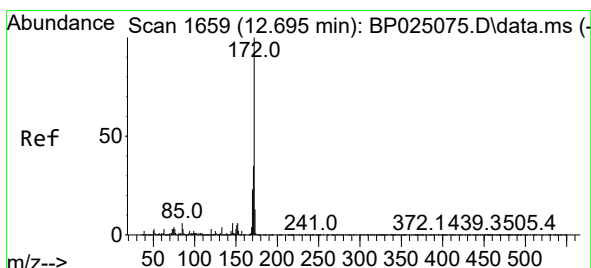
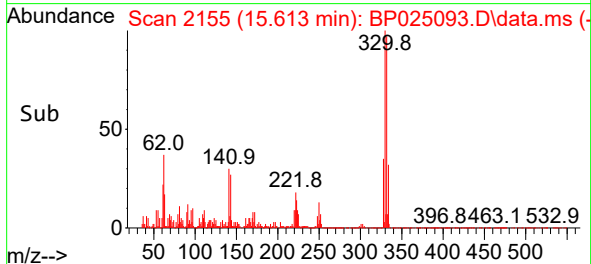
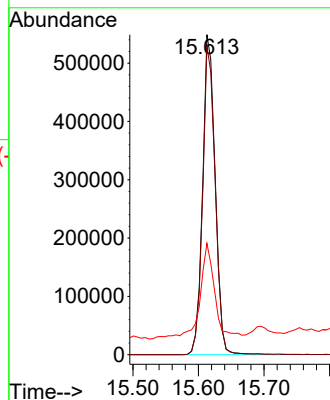
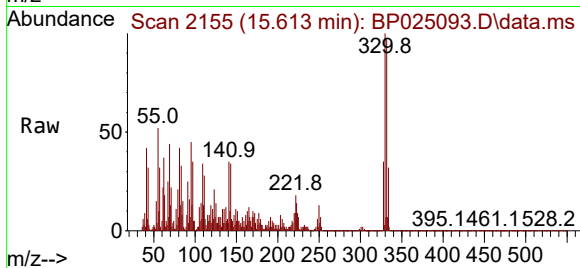
Tgt Ion:330 Resp: 733463

Ion Ratio Lower Upper

330 100

332 96.0 77.7 116.5

141 35.9 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 48.735 ng

RT: 12.689 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

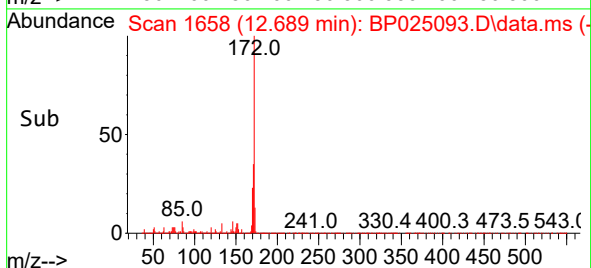
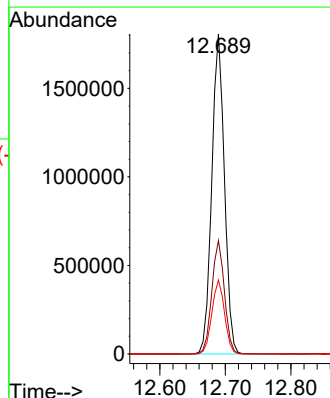
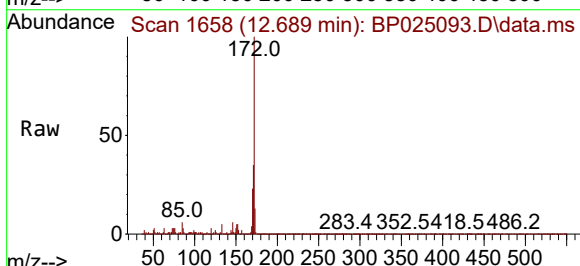
Tgt Ion:172 Resp: 2421341

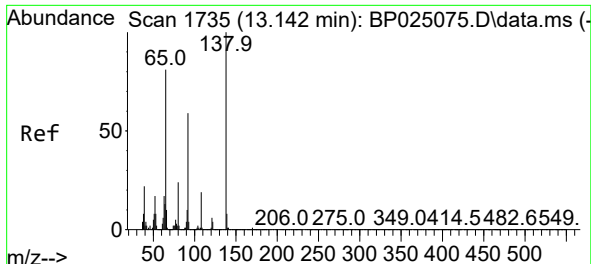
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.1 18.7 28.1

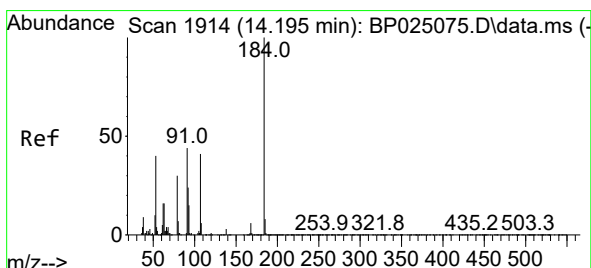
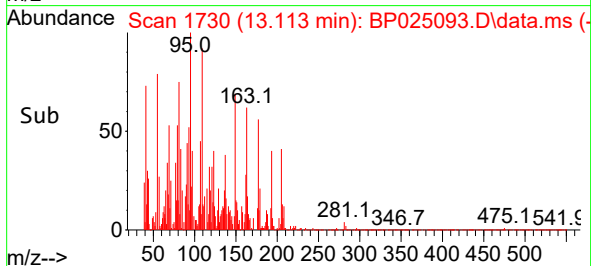
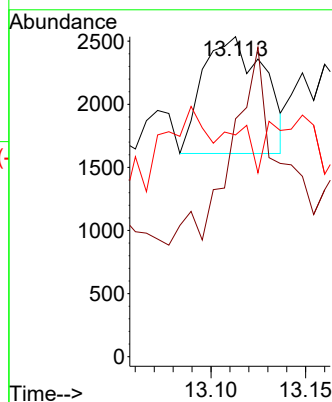
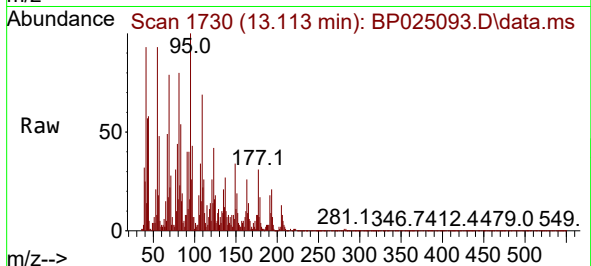




#48  
2-Nitroaniline  
Concen: 2.953 ng  
RT: 13.113 min Scan# 1730  
Delta R.T. -0.029 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

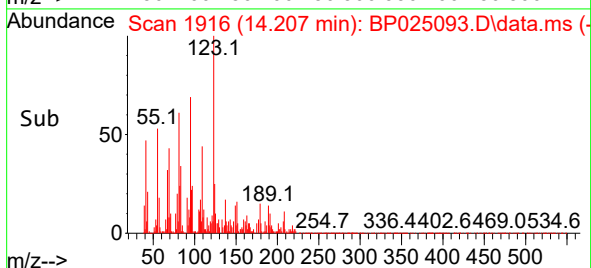
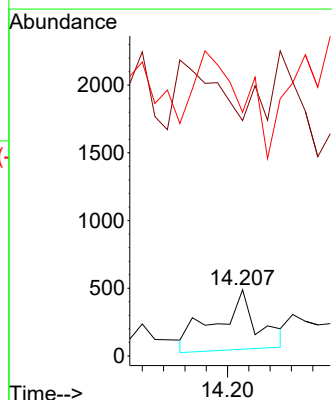
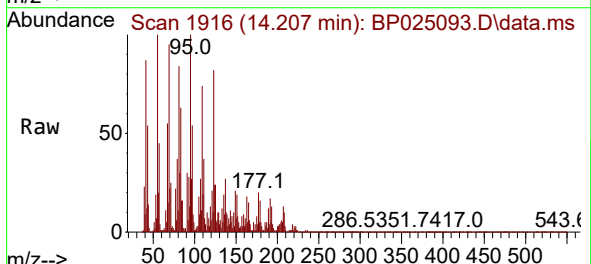
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

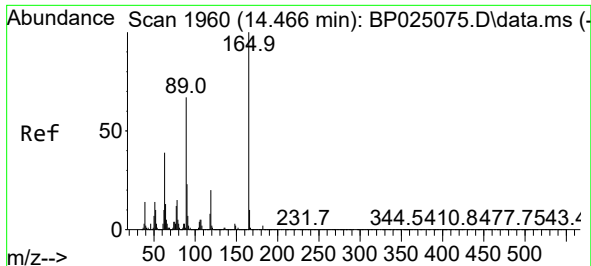
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Ion Ratio Lower Upper  
65 100  
92 74.4 58.7 88.1  
138 69.3 99.0 148.4#



#54  
2,4-Dinitrophenol  
Concen: 5.493 ng  
RT: 14.207 min Scan# 1916  
Delta R.T. 0.012 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion: 184 Resp: 596  
Ion Ratio Lower Upper  
184 100  
63 355.4 47.4 71.0#  
154 368.1 47.8 71.8#

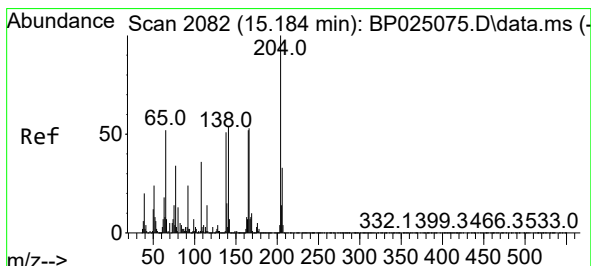
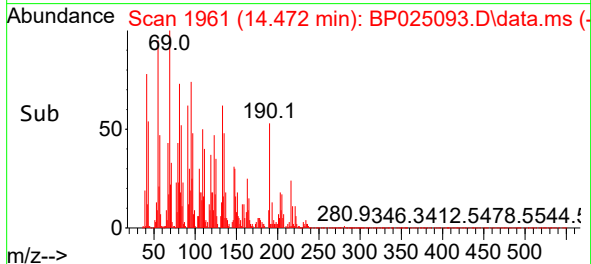
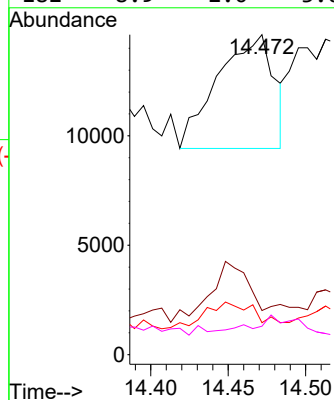
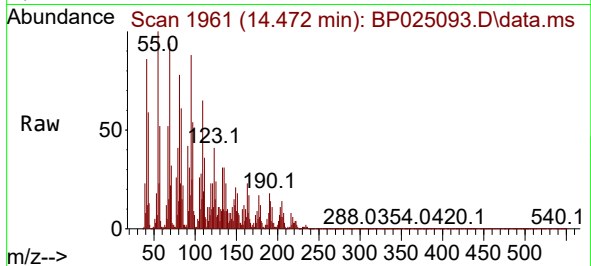




#57  
2,4-Dinitrotoluene  
Concen: 3.439 ng  
RT: 14.472 min Scan# 1961  
Delta R.T. 0.006 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

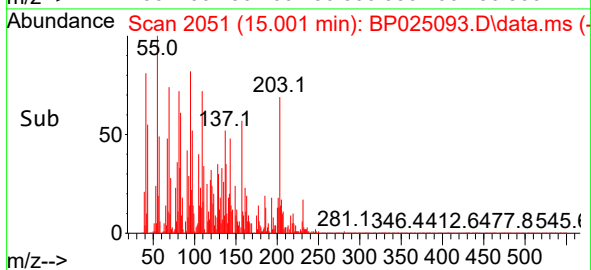
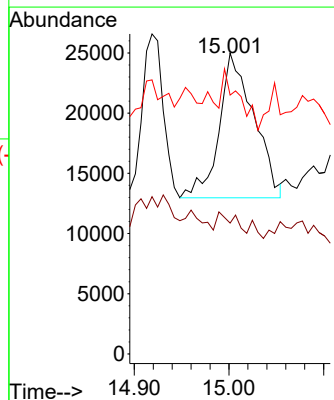
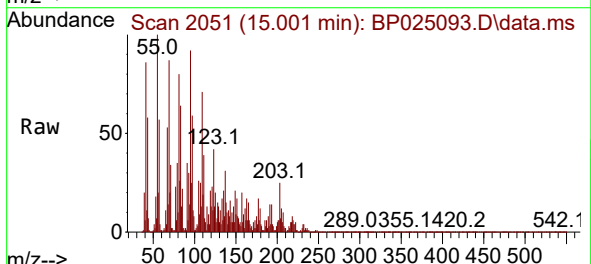
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

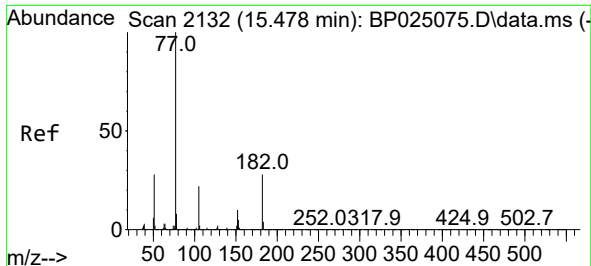
Tgt Ion:165 Resp: 13085  
Ion Ratio Lower Upper  
165 100  
63 13.8 31.0 46.4#  
89 10.0 53.4 80.0#  
182 8.9 2.0 3.0#



#62  
4-Nitroaniline  
Concen: 2.590 ng  
RT: 15.001 min Scan# 2051  
Delta R.T. -0.182 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion:138 Resp: 30577  
Ion Ratio Lower Upper  
138 100  
92 43.5 26.0 66.0  
108 86.0 50.0 90.0

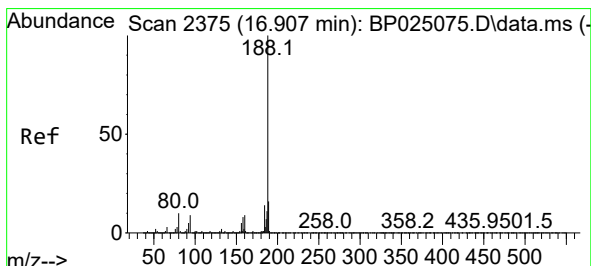
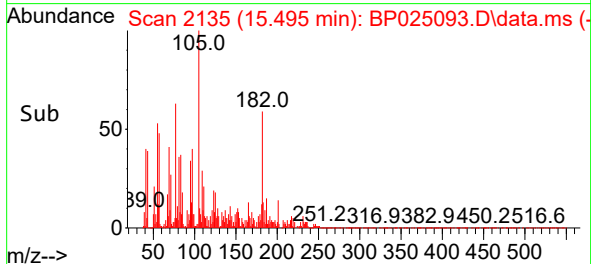
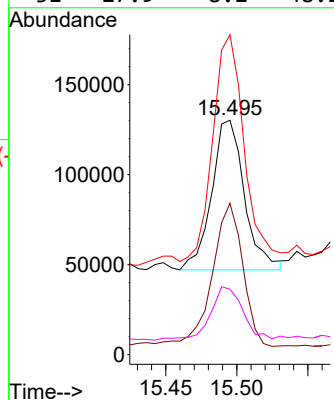
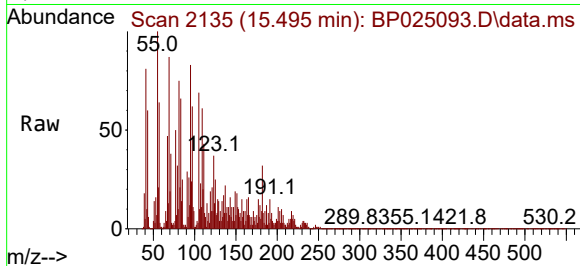




#63  
Azobenzene  
Concen: 2.776 ng  
RT: 15.495 min Scan# 2135  
Delta R.T. 0.018 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

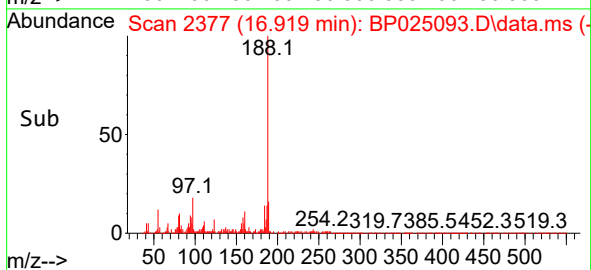
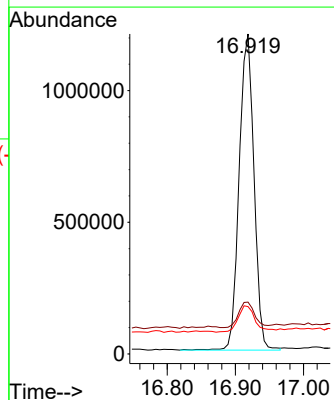
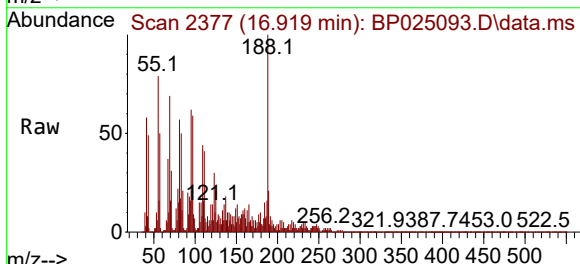
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

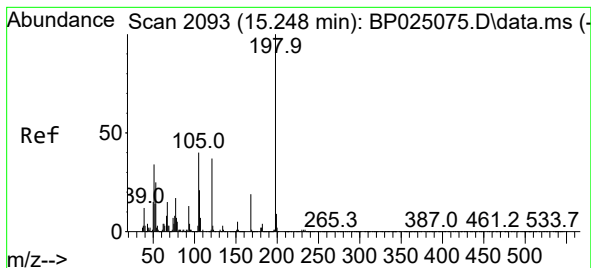
Tgt Ion: 77 Resp: 133758  
Ion Ratio Lower Upper  
77 100  
182 64.6 7.7 47.7#  
105 136.5 1.9 41.9#  
51 27.9 8.2 48.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.919 min Scan# 2377  
Delta R.T. 0.012 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion:188 Resp: 1812836  
Ion Ratio Lower Upper  
188 100  
94 16.2 7.3 10.9#  
80 14.8 7.8 11.6#

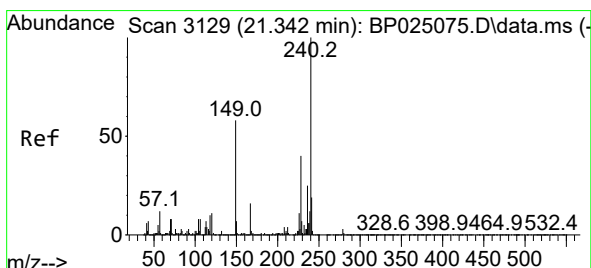
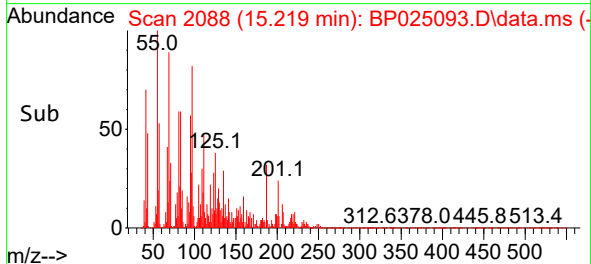
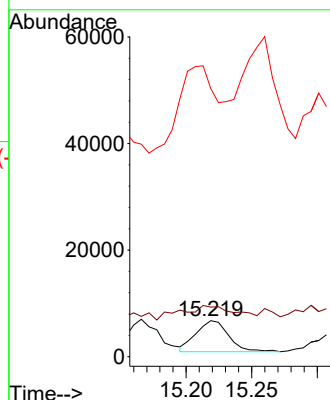
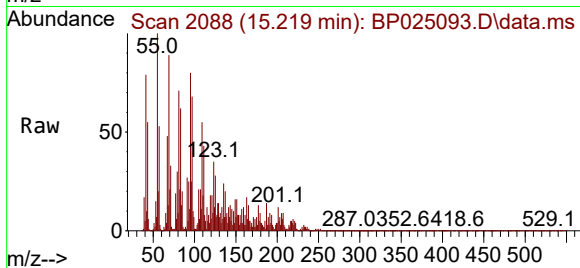




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.666 ng  
RT: 15.219 min Scan# 2093  
Delta R.T. -0.029 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

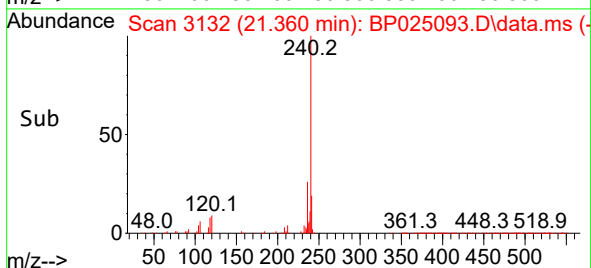
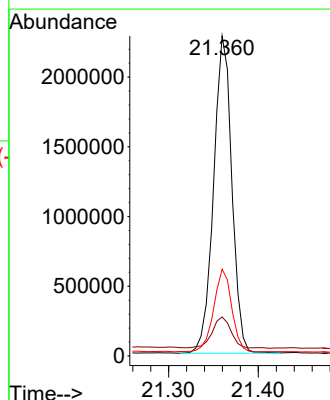
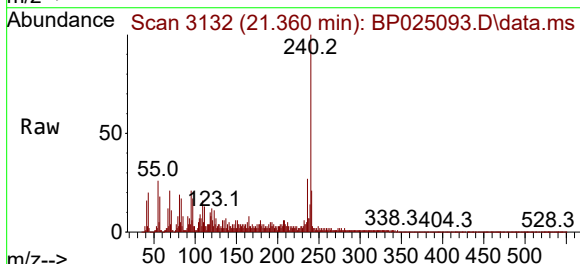
Instrument :  
BNA\_P  
ClientSampleId :  
PAD-070825-1

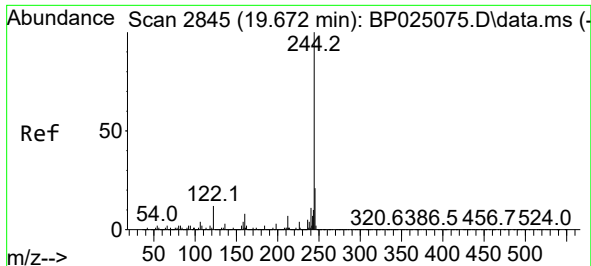
Tgt Ion:198 Resp: 10150  
Ion Ratio Lower Upper  
198 100  
51 138.1 16.8 56.8#  
105 745.8 20.8 60.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.360 min Scan# 3132  
Delta R.T. 0.018 min  
Lab File: BP025093.D  
Acq: 10 Jul 2025 21:50

Tgt Ion:240 Resp: 3218329  
Ion Ratio Lower Upper  
240 100  
120 12.2 9.0 13.4  
236 27.1 20.3 30.5

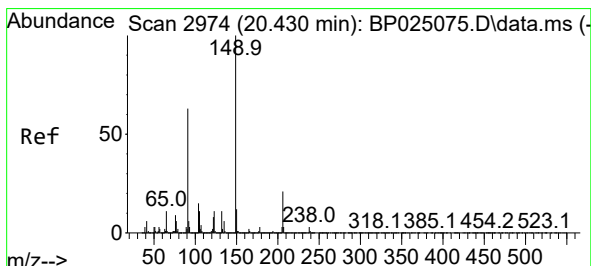
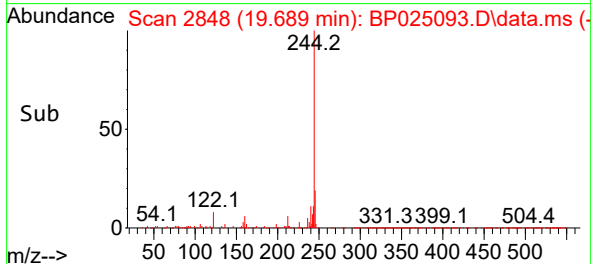
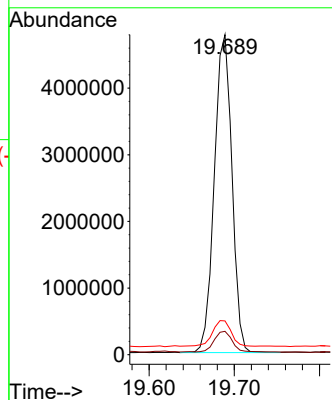
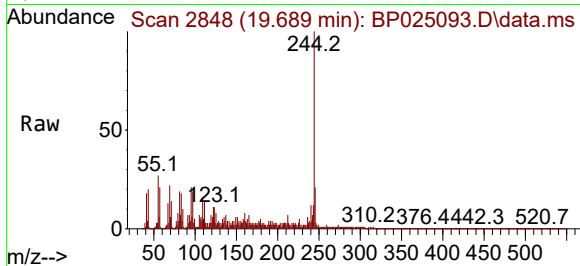




#79  
 Terphenyl-d14  
 Concen: 46.716 ng  
 RT: 19.689 min Scan# 21  
 Delta R.T. 0.018 min  
 Lab File: BP025093.D  
 Acq: 10 Jul 2025 21:50

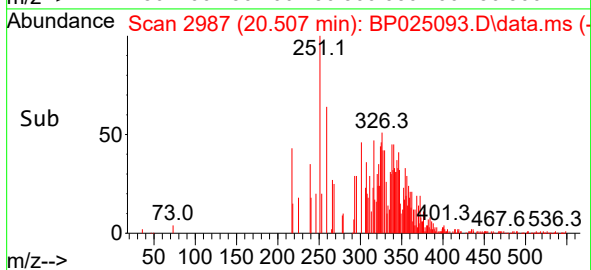
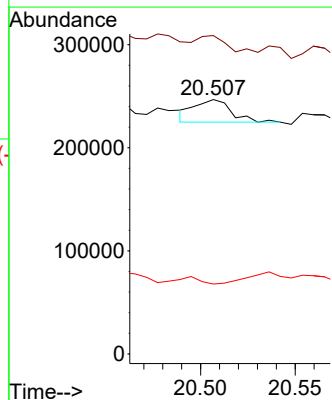
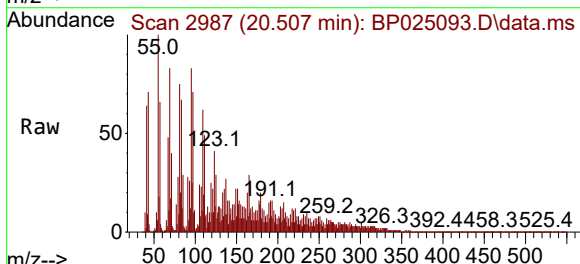
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAD-070825-1

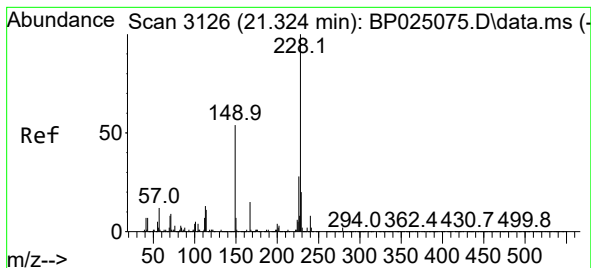
Tgt Ion:244 Resp: 6840879  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.9 8.9  
 122 10.6 9.4 14.2



#80  
 Butylbenzylphthalate  
 Concen: 4.043 ng  
 RT: 20.507 min Scan# 2987  
 Delta R.T. 0.077 min  
 Lab File: BP025093.D  
 Acq: 10 Jul 2025 21:50

Tgt Ion:149 Resp: 30047  
 Ion Ratio Lower Upper  
 149 100  
 91 125.1 50.6 76.0#  
 206 27.5 17.2 25.8#





#81

Benzo(a)anthracene

Concen: 2.284 ng

RT: 21.377 min Scan# 3135

Delta R.T. 0.053 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

Instrument :

BNA\_P

ClientSampleId :

PAD-070825-1

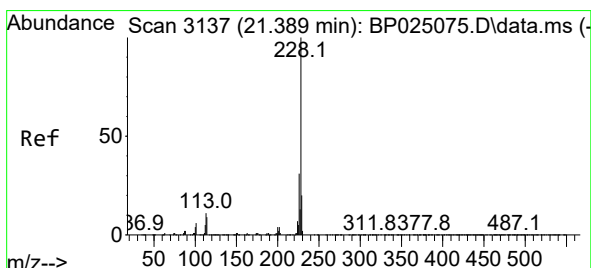
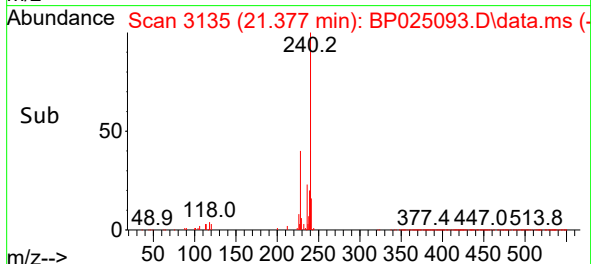
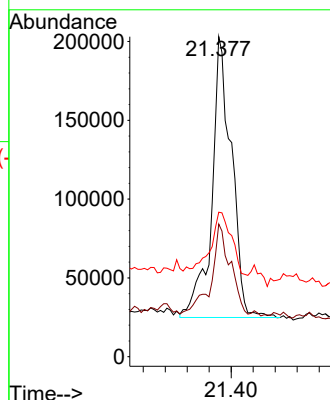
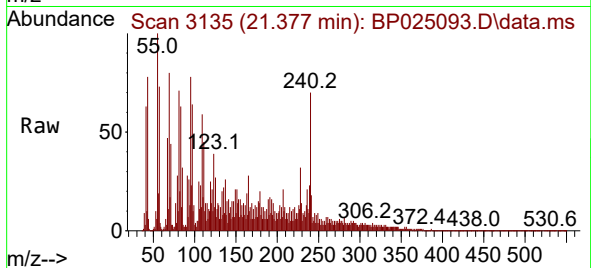
Tgt Ion:228 Resp: 445547

Ion Ratio Lower Upper

228 100

226 41.4 22.1 33.1#

229 45.2 16.0 24.0#



#83

Chrysene

Concen: 2.374 ng

RT: 21.377 min Scan# 3135

Delta R.T. -0.012 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

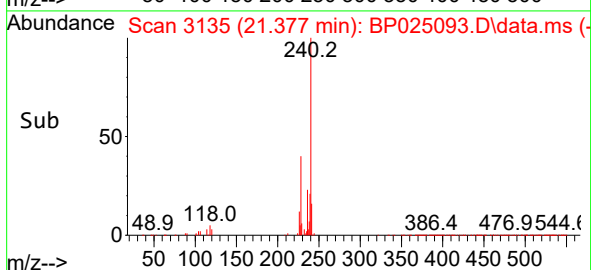
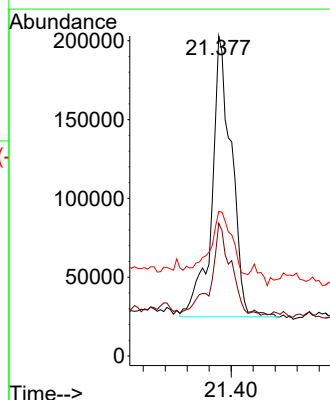
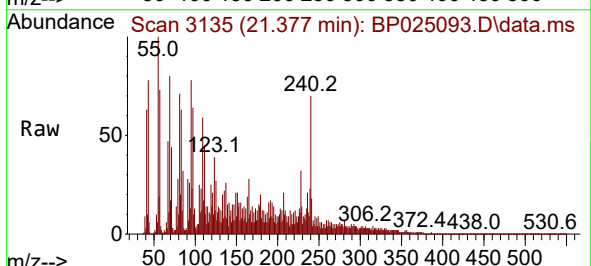
Tgt Ion:228 Resp: 445547

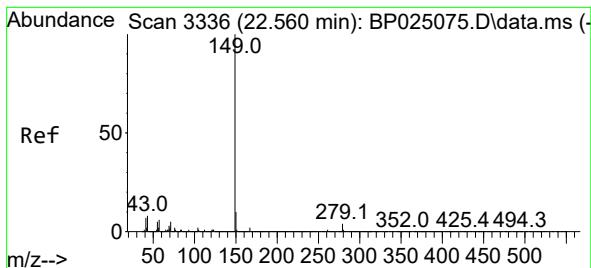
Ion Ratio Lower Upper

228 100

226 41.4 24.4 36.6#

229 45.2 16.0 24.0#





#85

Di-n-octyl phthalate

Concen: 6.183 ng

RT: 22.571 min Scan# 31

Delta R.T. 0.011 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

Instrument :

BNA\_P

ClientSampleId :

PAD-070825-1

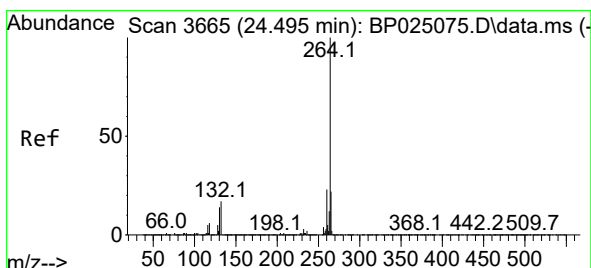
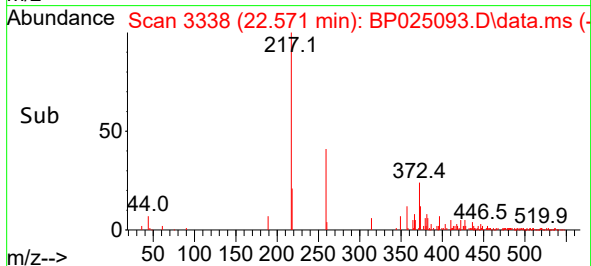
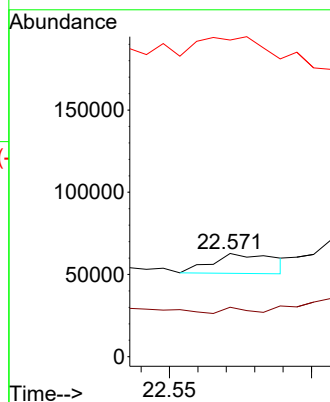
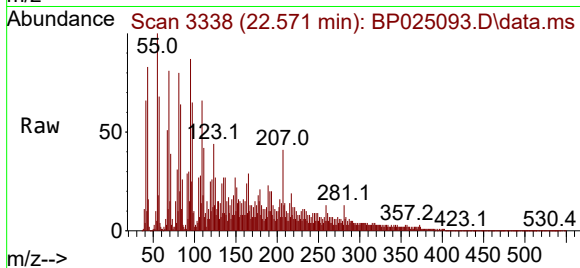
Tgt Ion:149 Resp: 18532

Ion Ratio Lower Upper

149 100

167 12.1 1.3 1.9#

43 0.0 6.9 10.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.483 min Scan# 3663

Delta R.T. -0.012 min

Lab File: BP025093.D

Acq: 10 Jul 2025 21:50

Tgt Ion:264 Resp: 4135036

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.2 17.7 26.5

