

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042125\  
 Data File : BP024360.D  
 Acq On : 21 Apr 2025 13:35  
 Operator : RC/JU  
 Sample : Q1821-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-CUTTING

Quant Time: Apr 21 14:55:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.728  | 152  | 212685   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.493 | 136  | 807198   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.351 | 164  | 469884   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.151 | 188  | 914270   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.586 | 240  | 1076208  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.927 | 264  | 1302876  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 1602727  | 124.599 | ng    | 0.00     |
| 7) Phenol-d6                | 6.910  | 99   | 1919506  | 108.981 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.869  | 82   | 1232575  | 87.070  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.863 | 330  | 912095   | 140.299 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.963 | 172  | 2599194  | 84.694  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.869 | 244  | 4731954  | 88.625  | ng    | 0.00     |

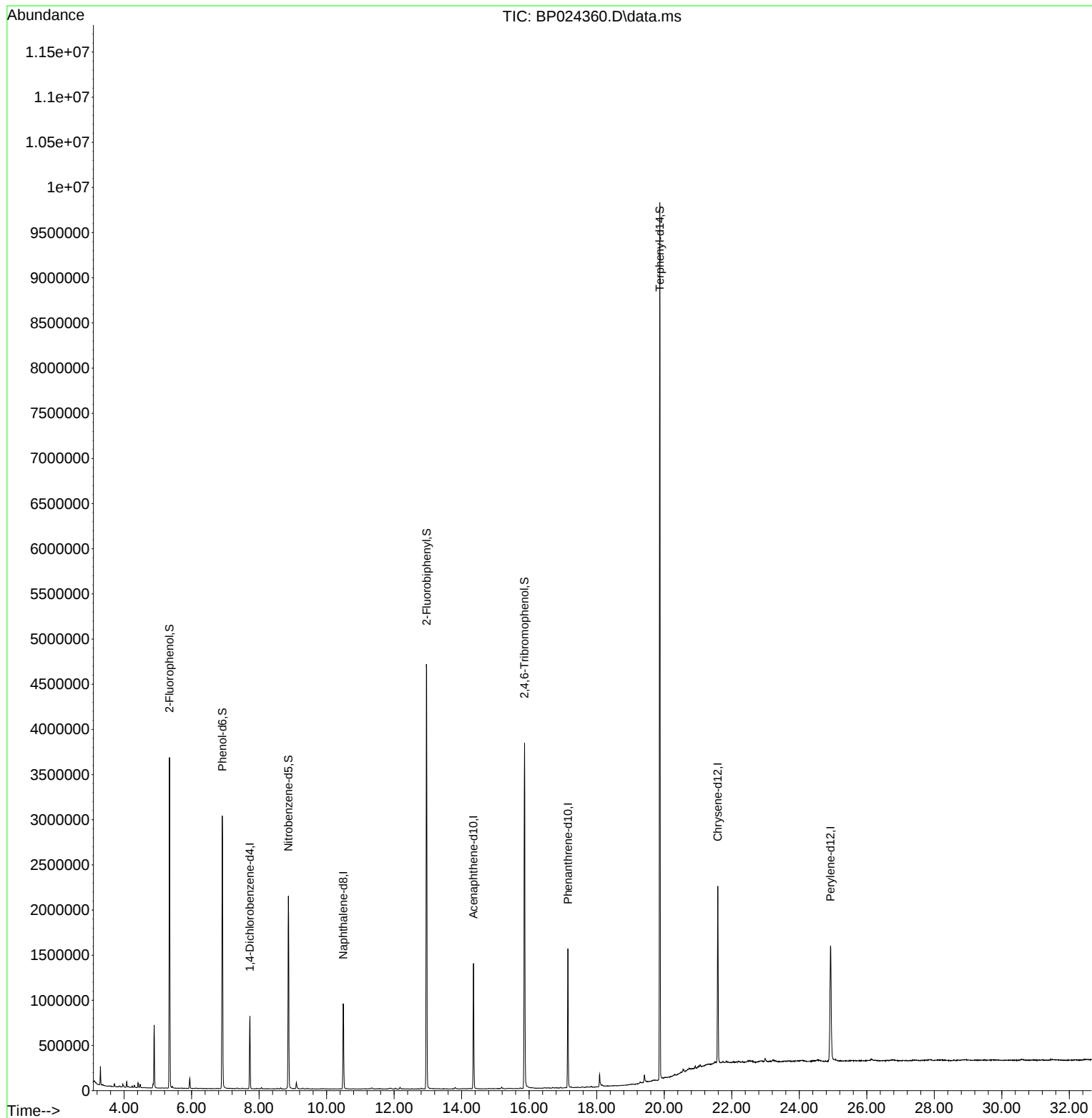
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

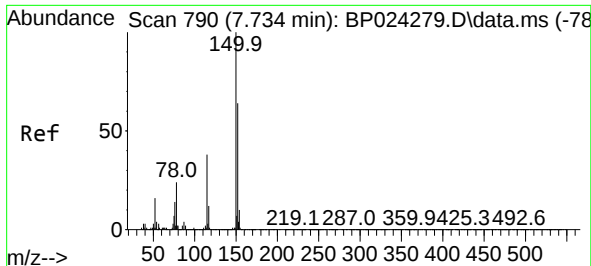
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1821-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

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QLast Update : Fri Apr 18 12:04:48 2025  
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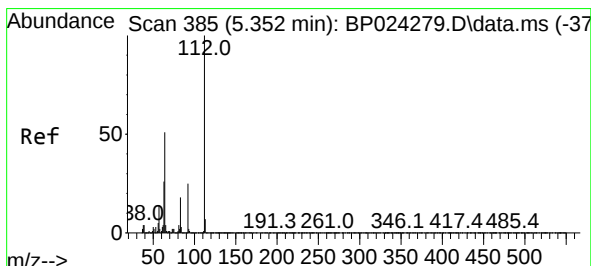
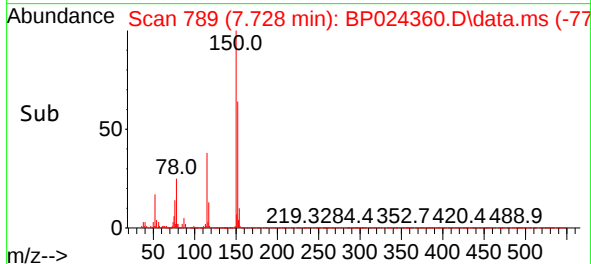
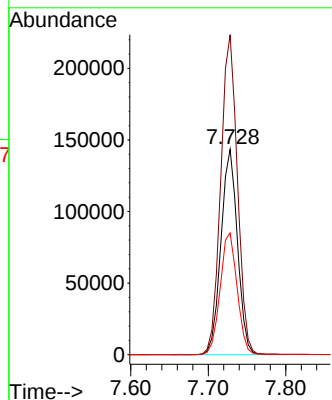
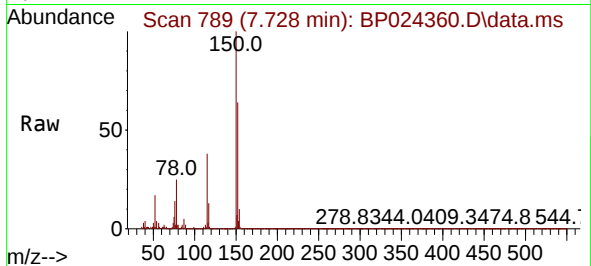




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: BP024360.D  
 Acq: 21 Apr 2025 13:35

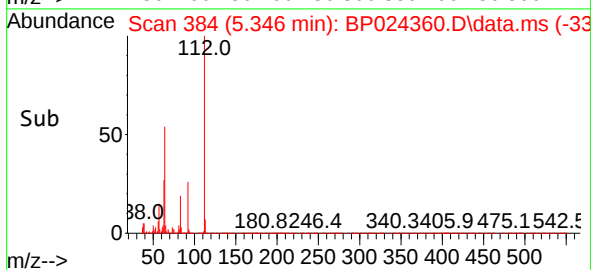
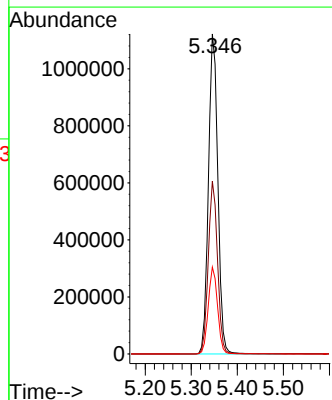
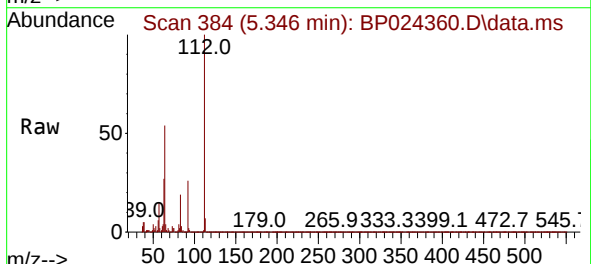
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-CUTTING

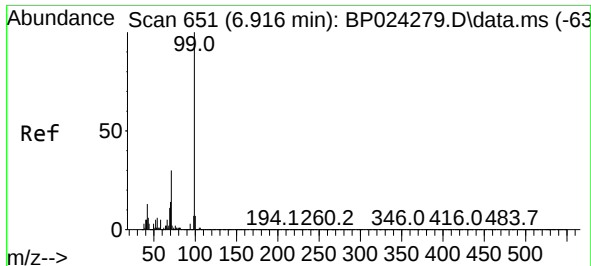
Tgt Ion:152 Resp: 212685  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 124.9 187.3  
 115 59.3 47.7 71.5



#5  
 2-Fluorophenol  
 Concen: 124.599 ng  
 RT: 5.346 min Scan# 384  
 Delta R.T. 0.000 min  
 Lab File: BP024360.D  
 Acq: 21 Apr 2025 13:35

Tgt Ion:112 Resp: 1602727  
 Ion Ratio Lower Upper  
 112 100  
 64 54.0 41.1 61.7  
 63 27.2 20.6 30.8

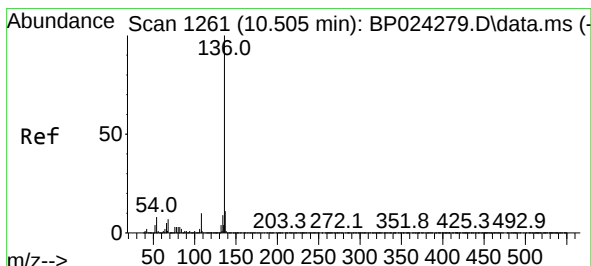
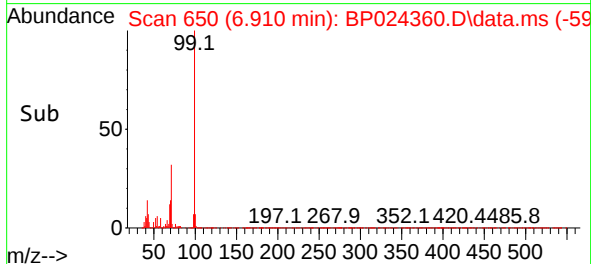
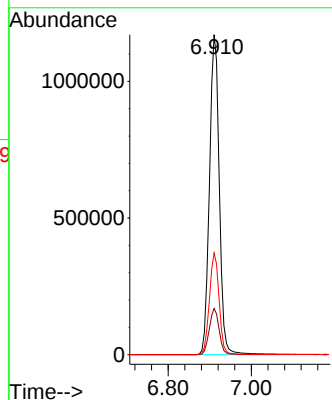
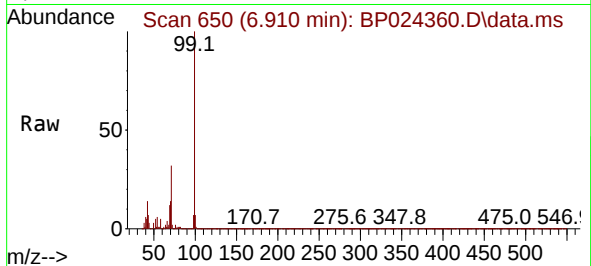




#7  
Phenol-d6  
Concen: 108.981 ng  
RT: 6.910 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BP024360.D  
Acq: 21 Apr 2025 13:35

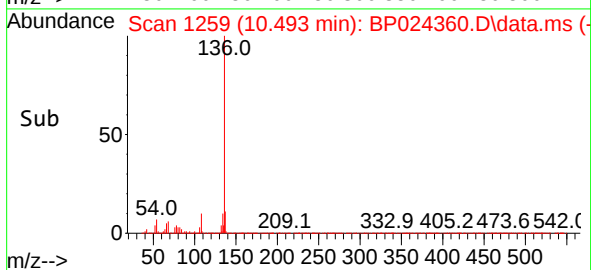
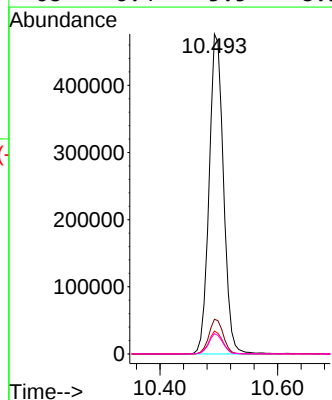
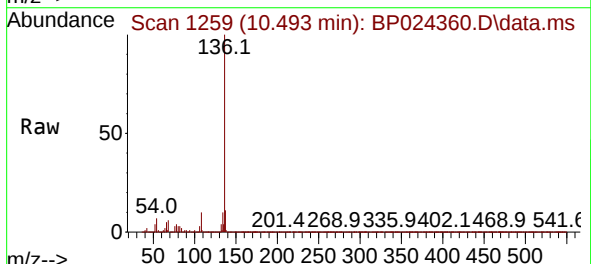
Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-CUTTING

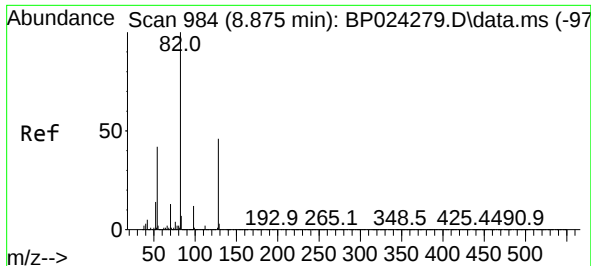
Tgt Ion: 99 Resp: 1919506  
Ion Ratio Lower Upper  
99 100  
42 14.5 10.6 16.0  
71 31.8 23.7 35.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.493 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: BP024360.D  
Acq: 21 Apr 2025 13:35

Tgt Ion:136 Resp: 807198  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.2 13.8  
54 7.2 6.0 9.0  
68 6.4 5.5 8.3

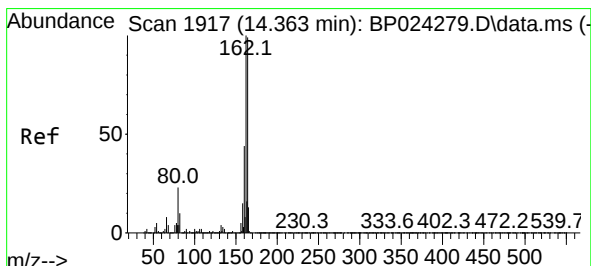
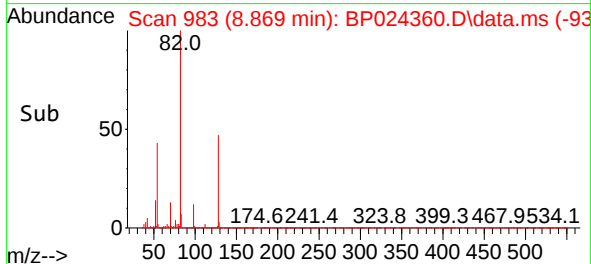
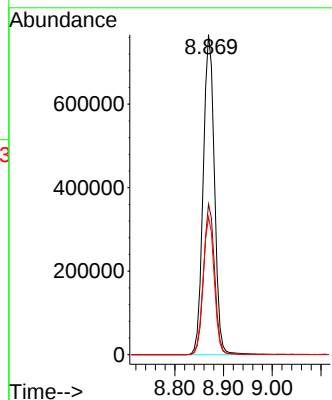
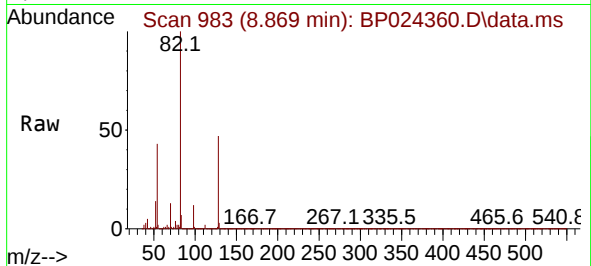




#23  
Nitrobenzene-d5  
Concen: 87.070 ng  
RT: 8.869 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BP024360.D  
Acq: 21 Apr 2025 13:35

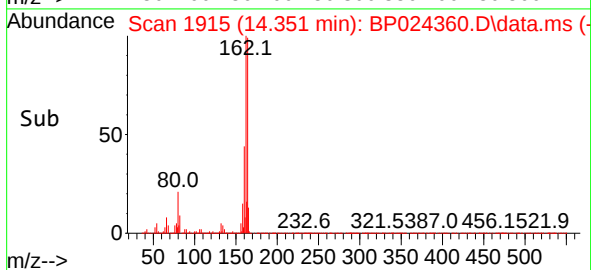
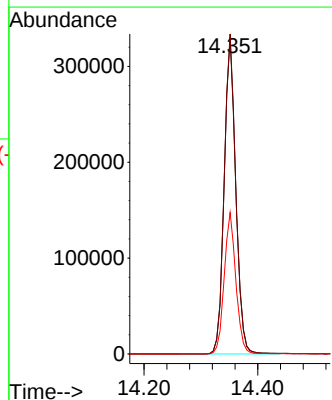
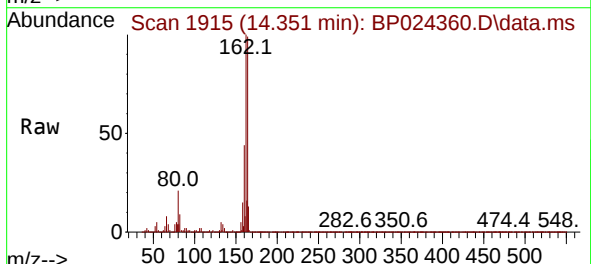
Instrument :  
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SOIL-CUTTING

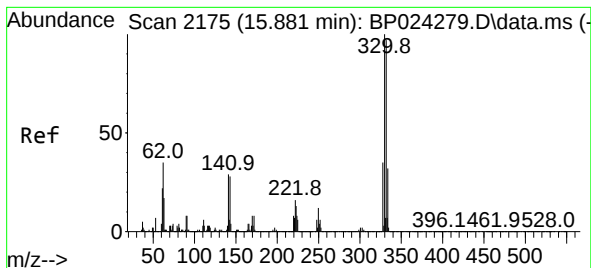
Tgt Ion: 82 Resp: 1232575  
Ion Ratio Lower Upper  
82 100  
128 47.0 36.5 54.7  
54 43.0 33.4 50.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.351 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP024360.D  
Acq: 21 Apr 2025 13:35

Tgt Ion:164 Resp: 469884  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.6 120.8  
160 44.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 140.299 ng

RT: 15.863 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BP024360.D

Acq: 21 Apr 2025 13:35

Instrument :

BNA\_P

ClientSampleId :

SOIL-CUTTING

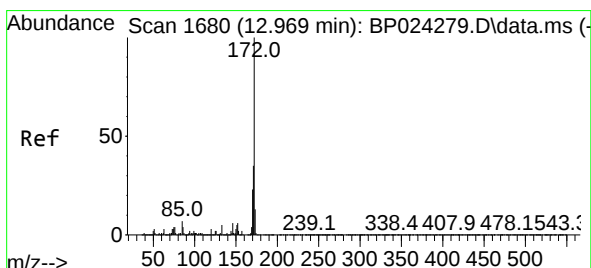
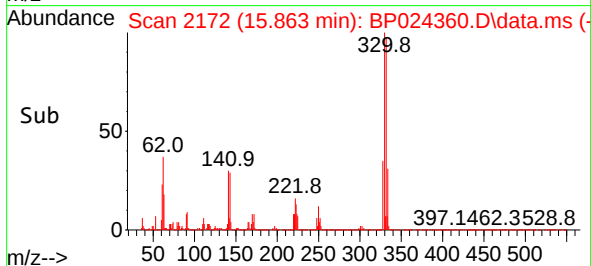
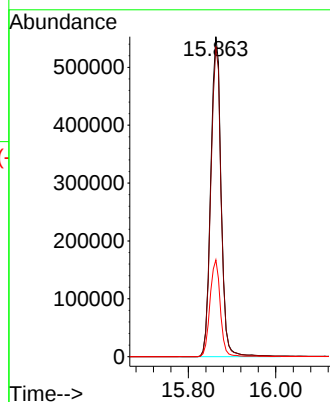
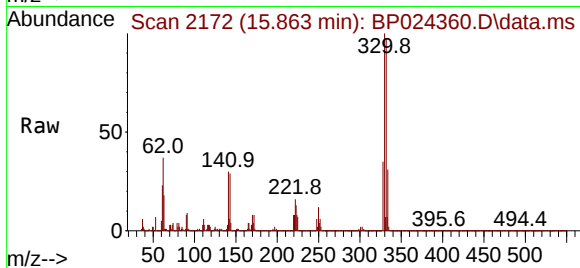
Tgt Ion:330 Resp: 912095

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 30.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 84.694 ng

RT: 12.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP024360.D

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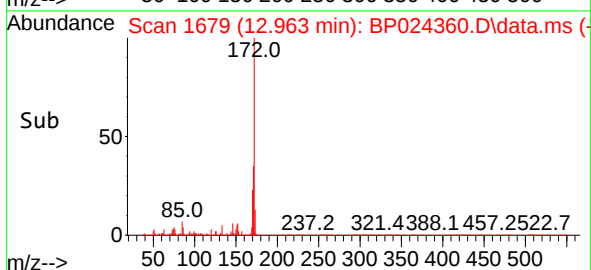
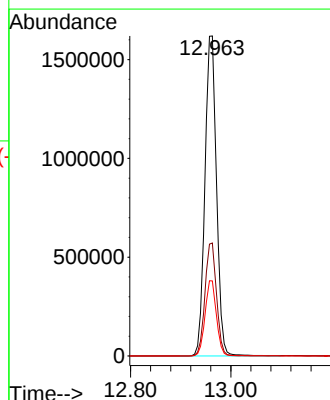
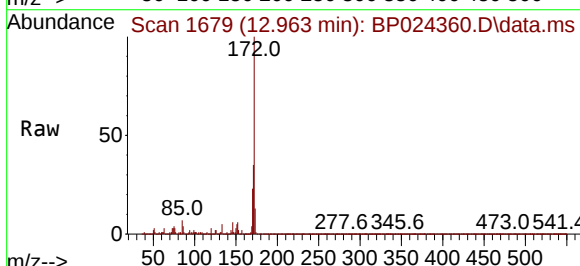
Tgt Ion:172 Resp: 2599194

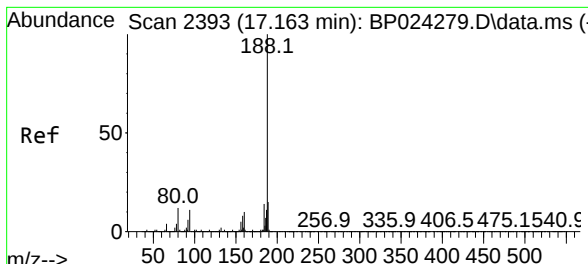
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.5 18.6 27.8



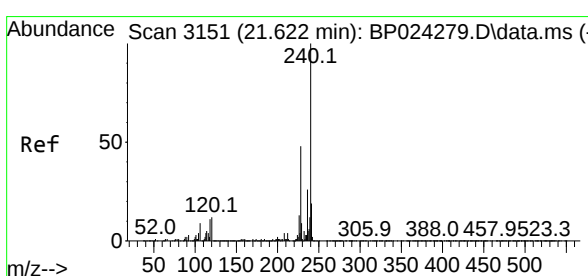
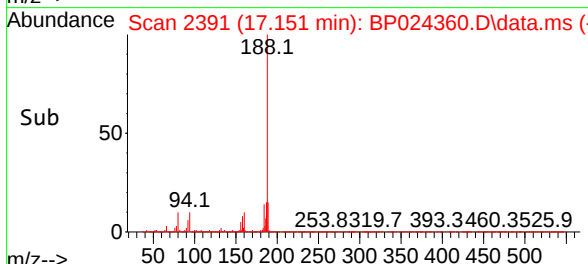
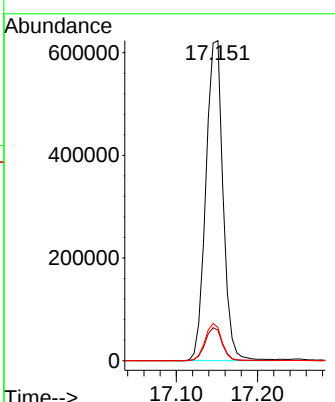
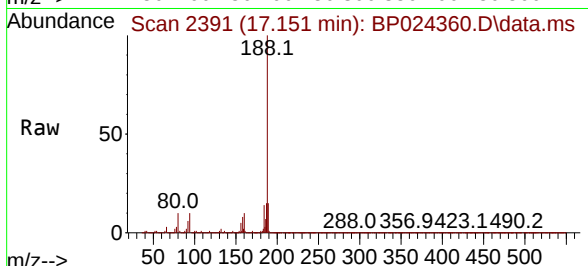


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.151 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BP024360.D  
 Acq: 21 Apr 2025 13:35

Instrument :  
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 ClientSampleId :  
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Tgt Ion:188 Resp: 914270

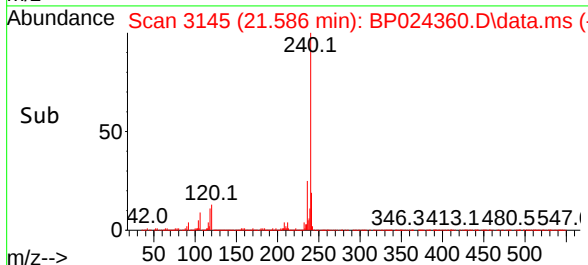
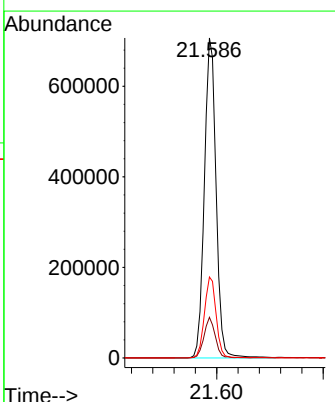
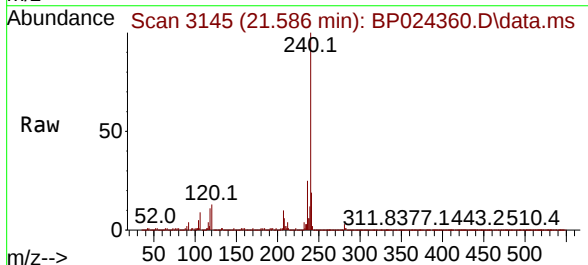
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.6   | 8.6   | 13.0  |
| 80  | 10.4  | 9.8   | 14.6  |

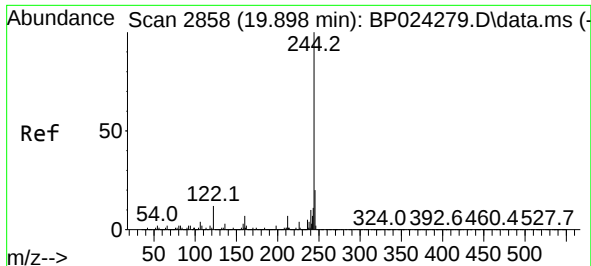


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.586 min Scan# 3145  
 Delta R.T. -0.006 min  
 Lab File: BP024360.D  
 Acq: 21 Apr 2025 13:35

Tgt Ion:240 Resp: 1076208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 12.7  | 9.8   | 14.8  |
| 236 | 25.3  | 20.9  | 31.3  |

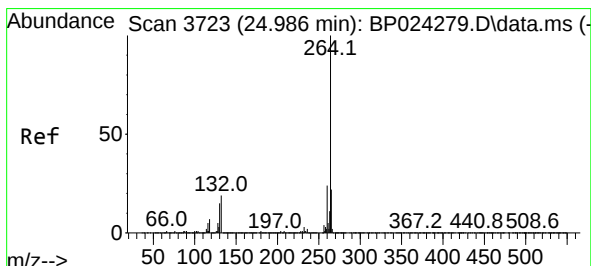
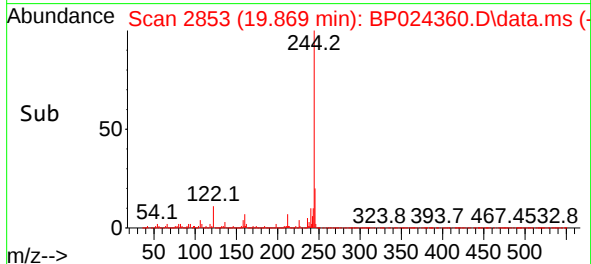
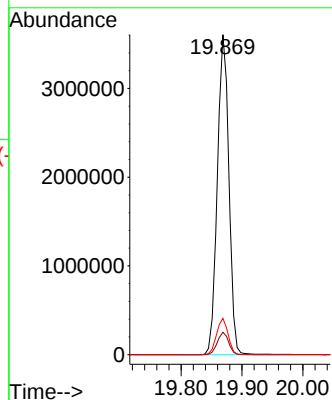
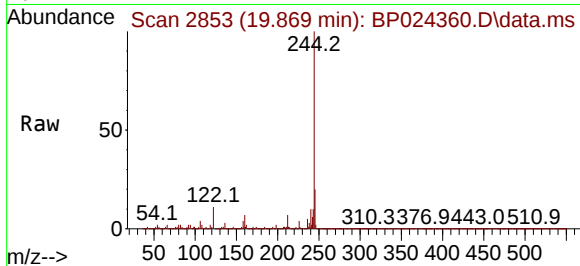




#79  
 Terphenyl-d14  
 Concen: 88.625 ng  
 RT: 19.869 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BP024360.D  
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Tgt Ion:244 Resp: 4731954  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 11.3 9.4 14.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.927 min Scan# 3713  
 Delta R.T. -0.006 min  
 Lab File: BP024360.D  
 Acq: 21 Apr 2025 13:35

Tgt Ion:264 Resp: 1302876  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.9 28.3  
 265 22.0 17.8 26.6

