

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101625\  
 Data File : BF143979.D  
 Acq On : 16 Oct 2025 15:11  
 Operator : RC/JU  
 Sample : Q3345-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2ND-STREET-SOIL

Quant Time: Oct 16 16:21:00 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

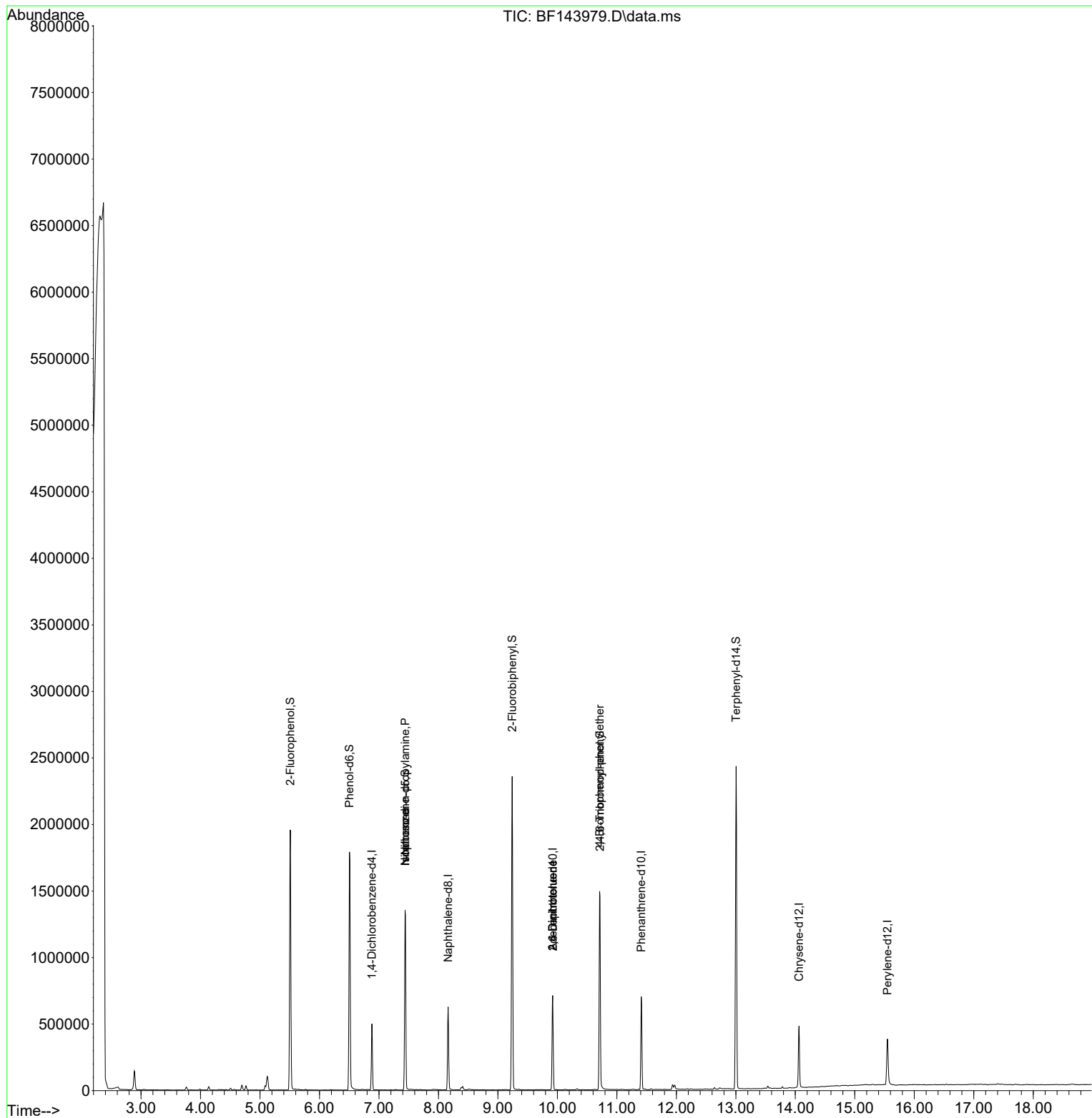
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 99929    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 392146   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 215794   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 377581   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 230751   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 242130   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 766053   | 121.73 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 836913   | 111.58 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 610885   | 94.64  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 311374   | 144.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1140377  | 83.85  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.004 | 244  | 1314944  | 97.39  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 90226    | 17.57  | ng    | # 76     |
| 25) Isophorone                | 7.439  | 82   | 537209   | 39.47  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 27698    | 10.90  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 27698    | 8.01   | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 17816    | 4.27   | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

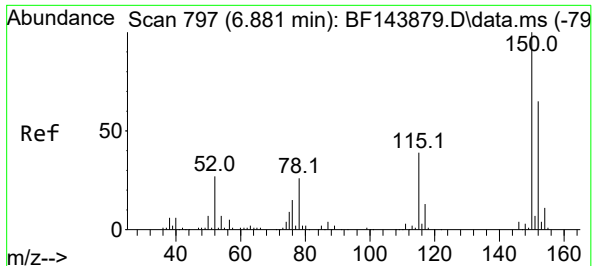
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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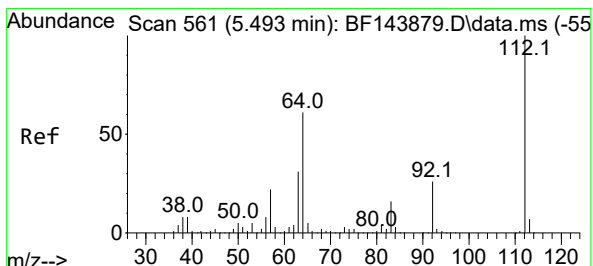
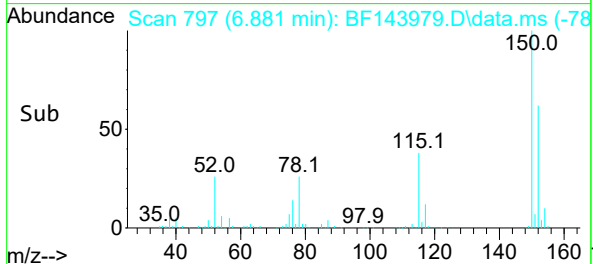
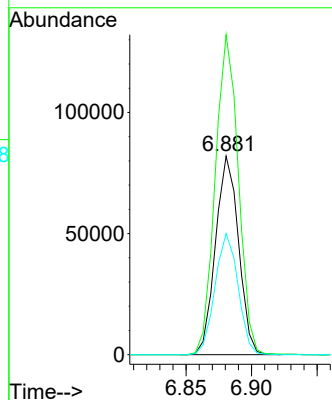
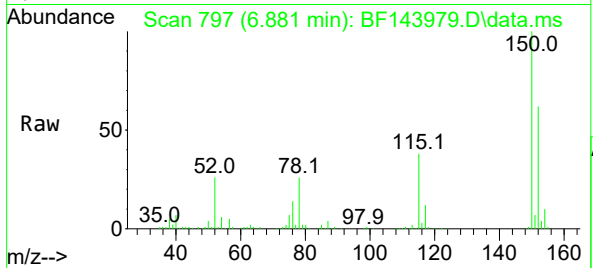




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.881 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

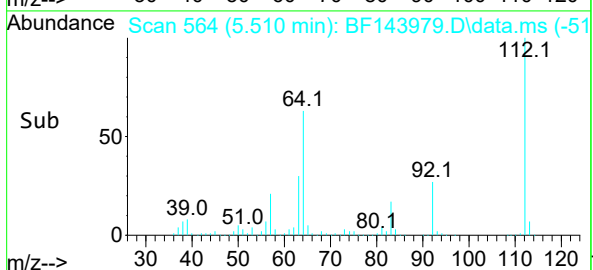
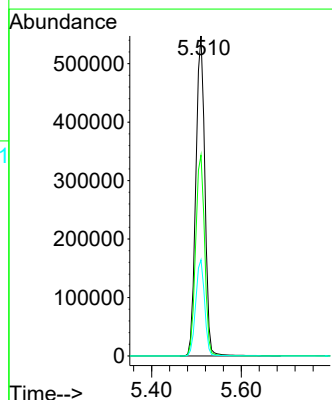
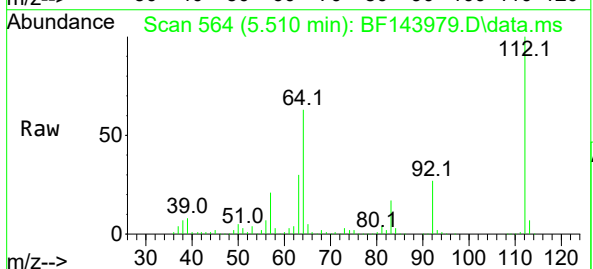
Instrument :  
BNA\_F  
ClientSampleId :  
2ND-STREET-SOIL

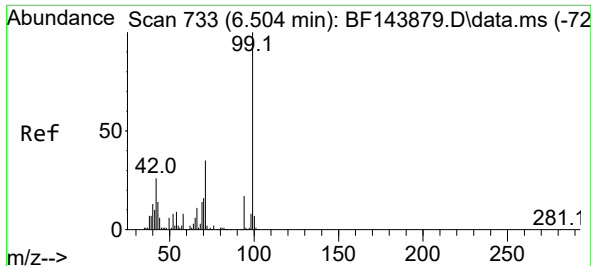
Tgt Ion:152 Resp: 99929  
Ion Ratio Lower Upper  
152 100  
150 161.2 124.4 186.6  
115 61.0 48.1 72.1



#5  
2-Fluorophenol  
Concen: 121.73 ng  
RT: 5.510 min Scan# 564  
Delta R.T. 0.012 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion:112 Resp: 766053  
Ion Ratio Lower Upper  
112 100  
64 62.8 49.1 73.7  
63 30.0 24.5 36.7

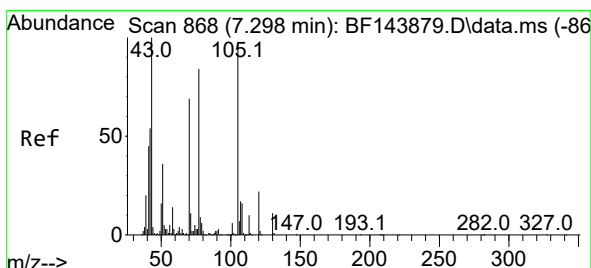
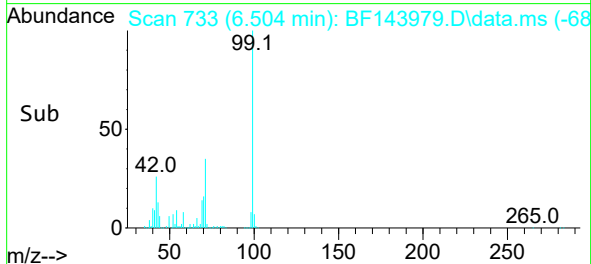
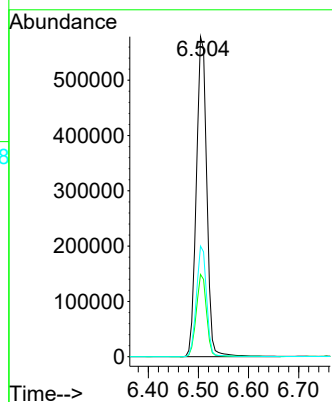
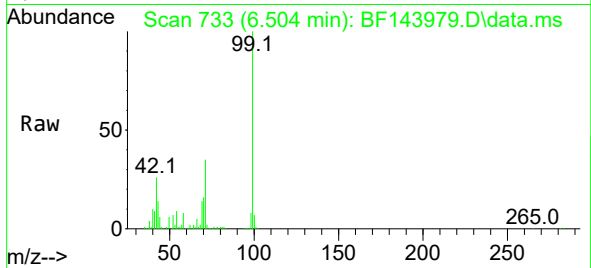




#7  
Phenol-d6  
Concen: 111.58 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

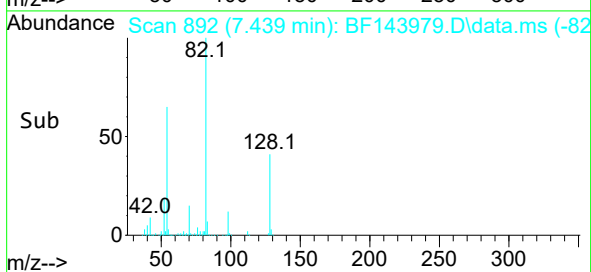
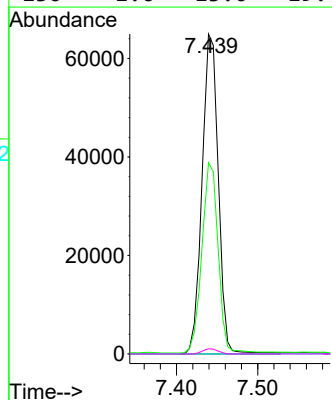
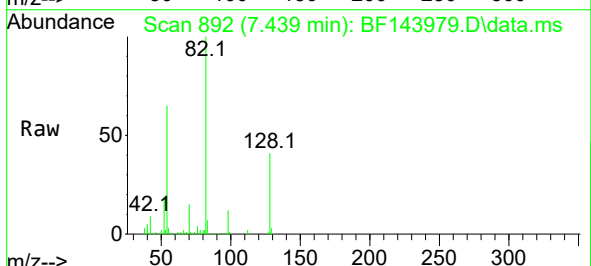
Instrument :  
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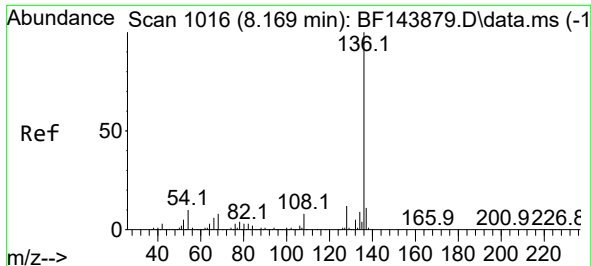
Tgt Ion: 99 Resp: 836913  
Ion Ratio Lower Upper  
99 100  
42 25.7 21.0 31.4  
71 34.6 27.8 41.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.57 ng  
RT: 7.439 min Scan# 892  
Delta R.T. 0.124 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion: 70 Resp: 90226  
Ion Ratio Lower Upper  
70 100  
42 59.8 62.8 94.2#  
101 0.0 6.7 10.1#  
130 1.6 13.0 19.4#

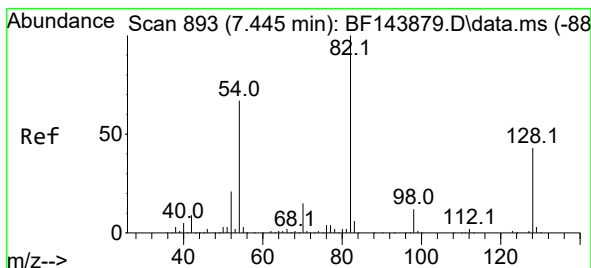
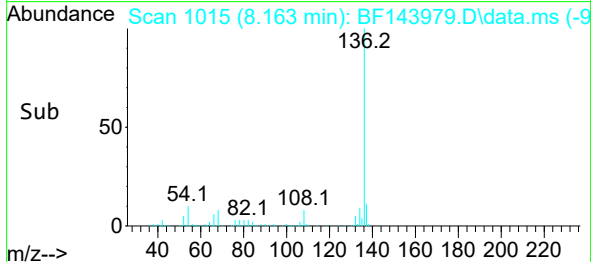
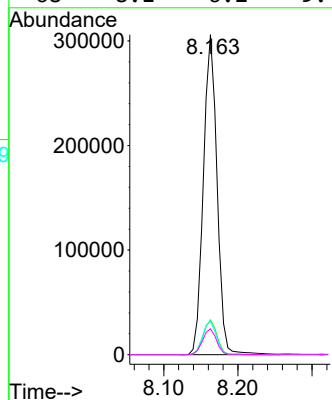
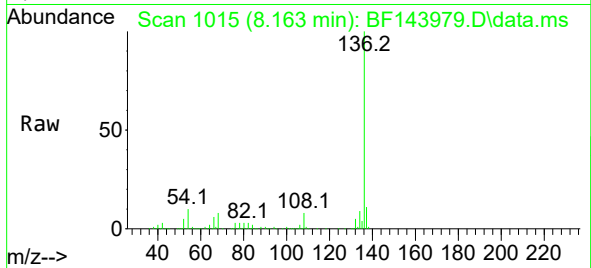




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.163 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

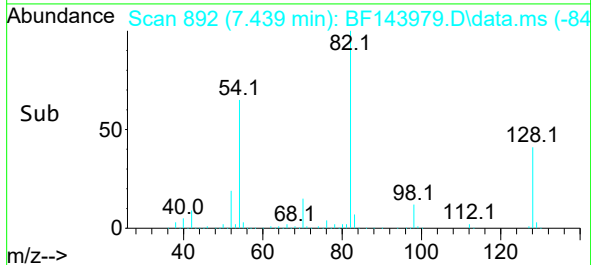
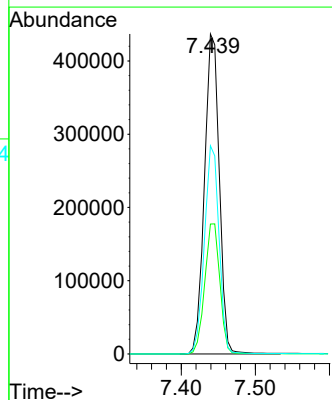
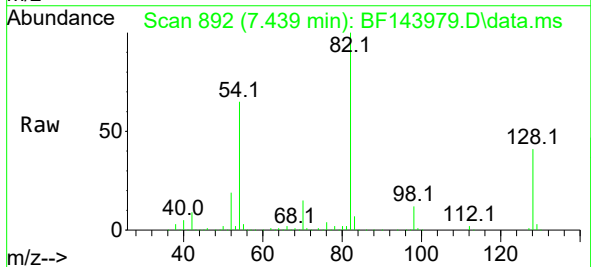
Instrument :  
BNA\_F  
ClientSampleId :  
2ND-STREET-SOIL

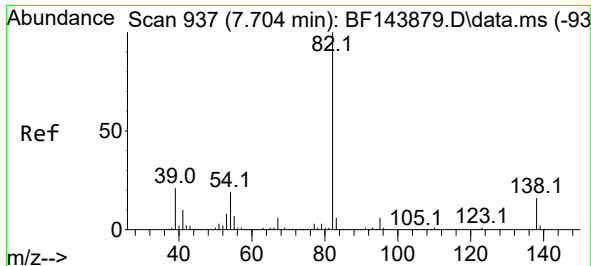
Tgt Ion:136 Resp: 392146  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.5 12.7  
54 10.5 8.2 12.4  
68 8.1 6.2 9.4



#23  
Nitrobenzene-d5  
Concen: 94.64 ng  
RT: 7.439 min Scan# 892  
Delta R.T. -0.018 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

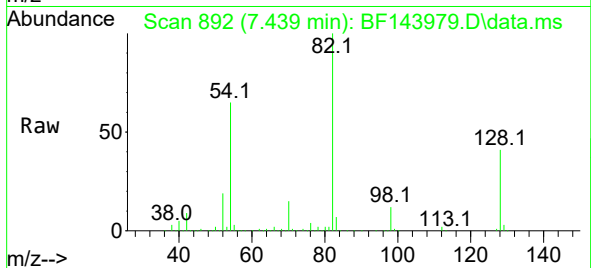
Tgt Ion: 82 Resp: 610885  
Ion Ratio Lower Upper  
82 100  
128 40.6 34.0 51.0  
54 65.1 53.2 79.8



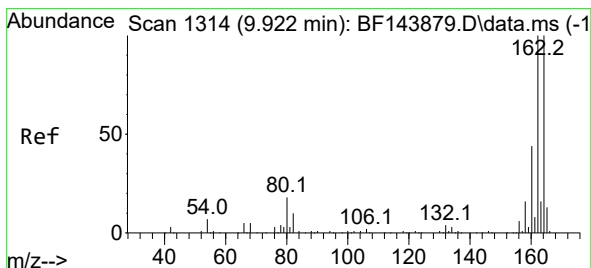
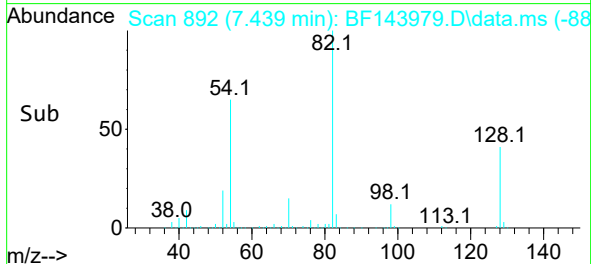
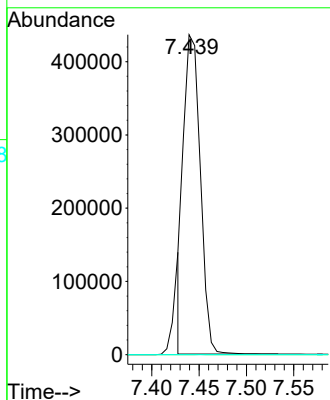


#25  
Isophorone  
Concen: 39.47 ng  
RT: 7.439 min Scan# 892  
Delta R.T. -0.282 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
2ND-STREET-SOIL

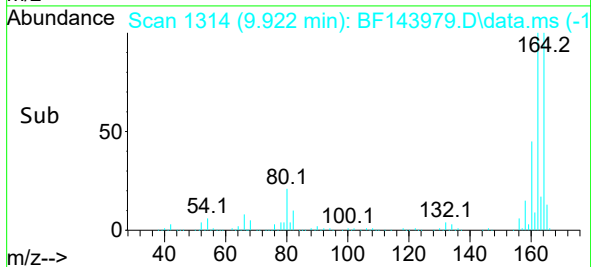
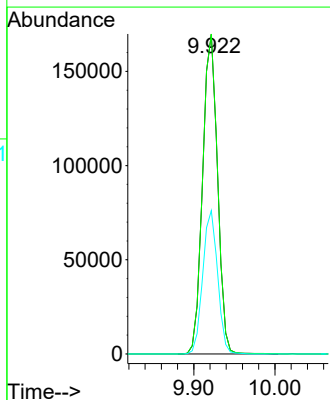
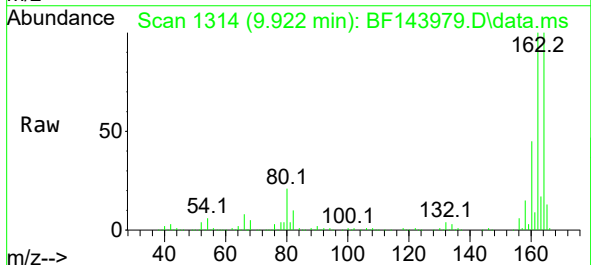


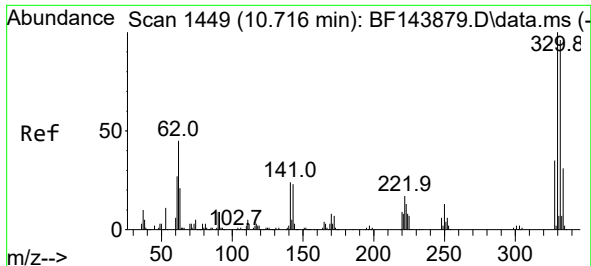
Tgt Ion: 82 Resp: 537209  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.1 7.7#  
138 0.0 12.9 19.3#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.922 min Scan# 1314  
Delta R.T. -0.005 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion:164 Resp: 215794  
Ion Ratio Lower Upper  
164 100  
162 100.1 80.2 120.2  
160 44.8 35.4 53.0

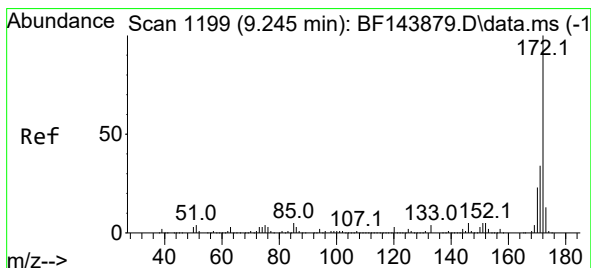
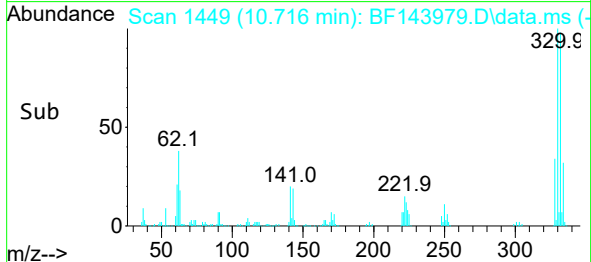
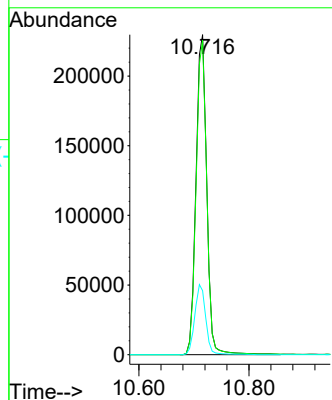
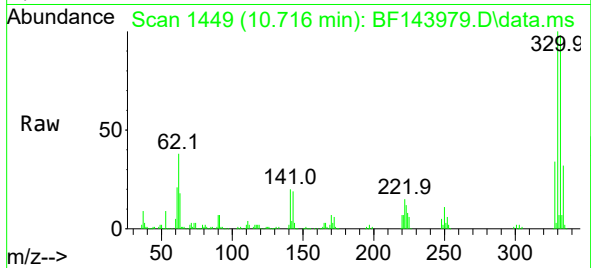




#42  
2,4,6-Tribromophenol  
Concen: 144.87 ng  
RT: 10.716 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

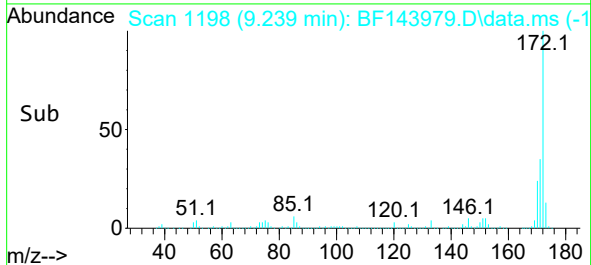
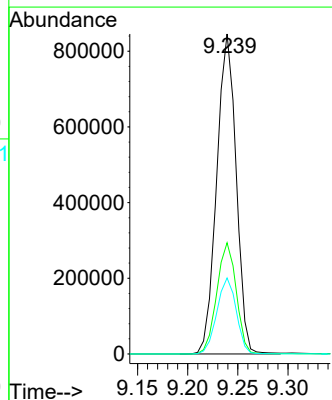
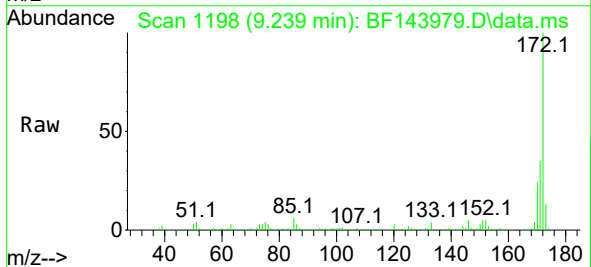
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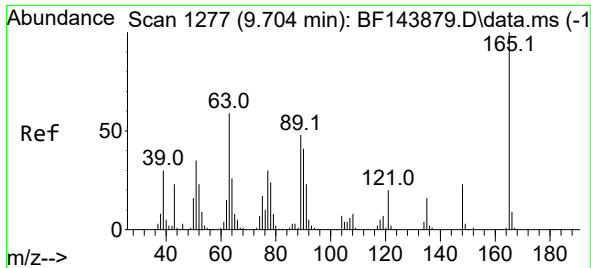
Tgt Ion: 330 Resp: 311374  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.9 115.3  
141 22.4 20.2 30.4



#45  
2-Fluorobiphenyl  
Concen: 83.85 ng  
RT: 9.239 min Scan# 1198  
Delta R.T. -0.012 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion: 172 Resp: 1140377  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.4 41.0  
170 23.7 18.6 28.0

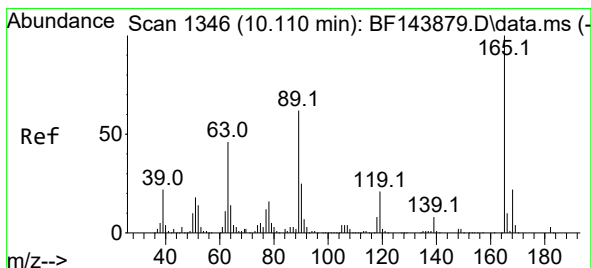
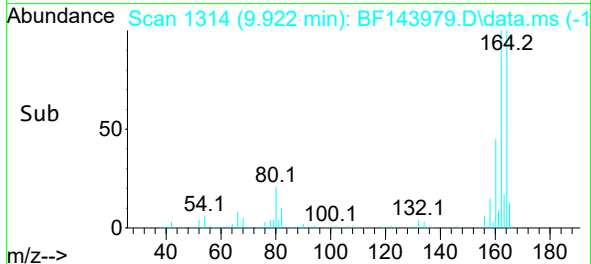
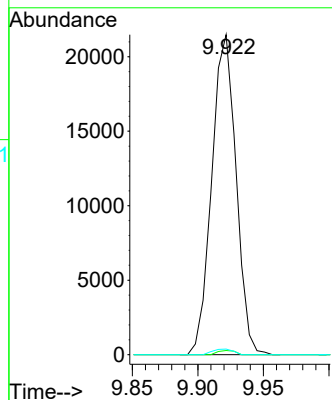
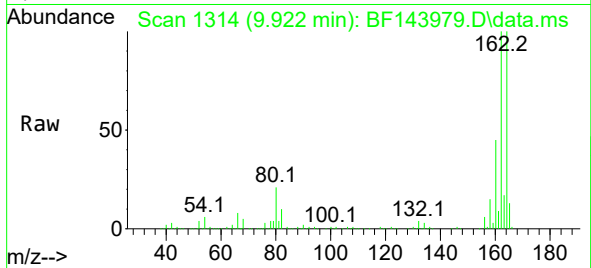




#51  
2,6-Dinitrotoluene  
Concen: 10.90 ng  
RT: 9.922 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

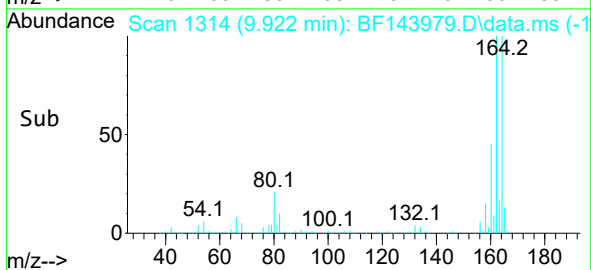
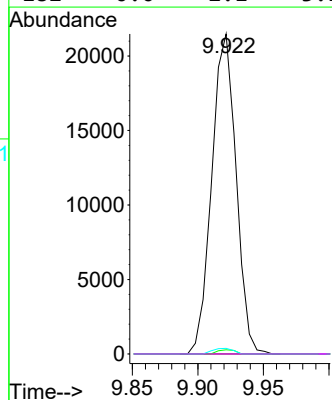
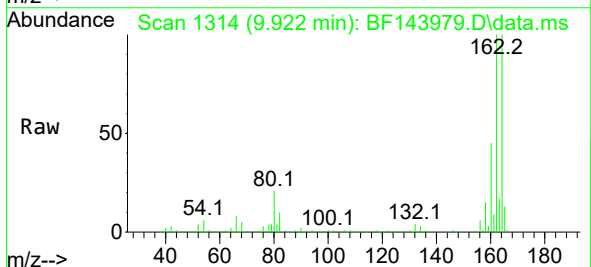
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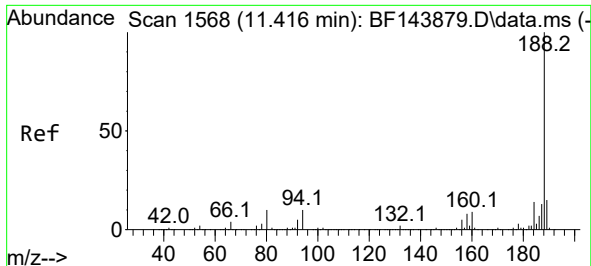
Tgt Ion:165 Resp: 27698  
Ion Ratio Lower Upper  
165 100  
63 1.3 47.3 70.9#  
89 1.8 38.2 57.4#



#57  
2,4-Dinitrotoluene  
Concen: 8.01 ng  
RT: 9.922 min Scan# 1314  
Delta R.T. -0.194 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion:165 Resp: 27698  
Ion Ratio Lower Upper  
165 100  
63 1.3 37.2 55.8#  
89 1.8 49.4 74.2#  
182 0.0 2.1 3.1#

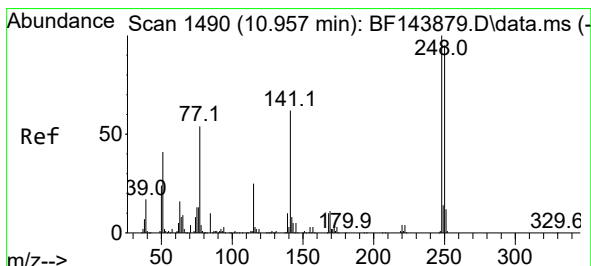
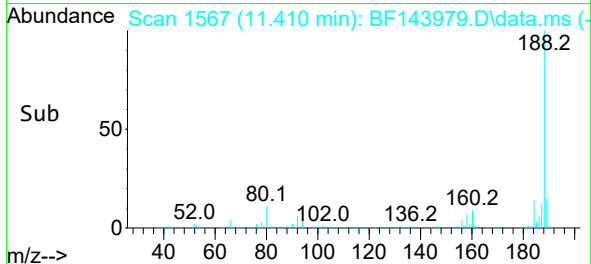
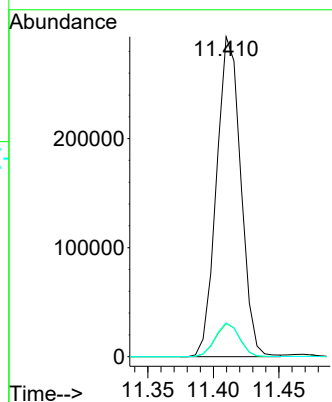
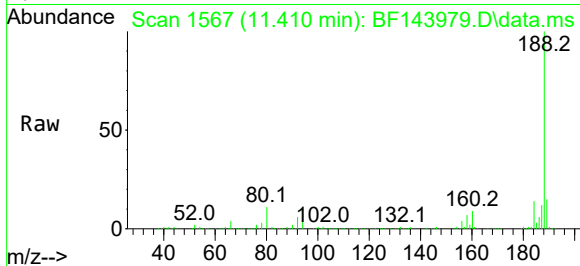




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

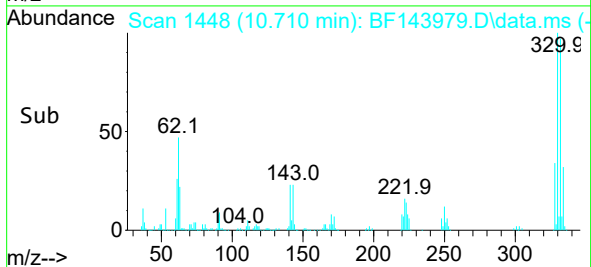
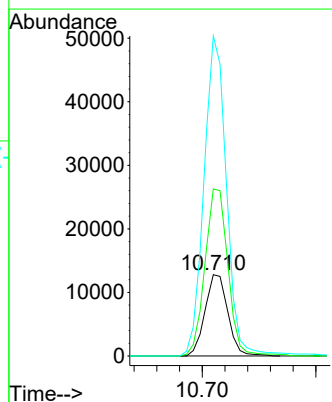
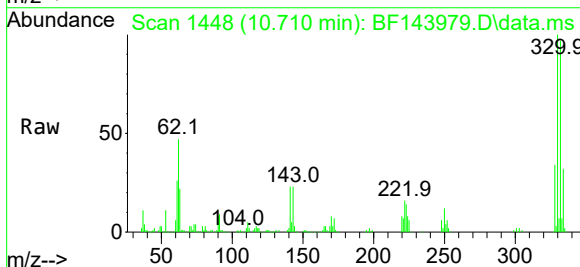
Instrument :  
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2ND-STREET-SOIL

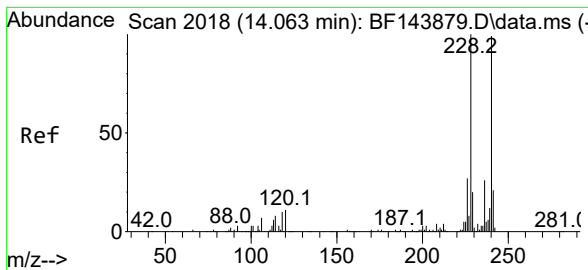
Tgt Ion:188 Resp: 377581  
Ion Ratio Lower Upper  
188 100  
94 10.3 7.8 11.6  
80 10.6 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.27 ng  
RT: 10.710 min Scan# 1448  
Delta R.T. -0.253 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

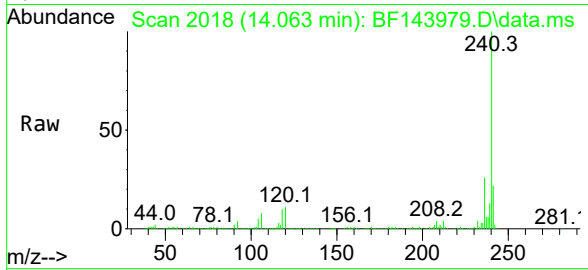
Tgt Ion:248 Resp: 17816  
Ion Ratio Lower Upper  
248 100  
250 205.5 76.3 114.5#  
141 393.5 49.7 74.5#



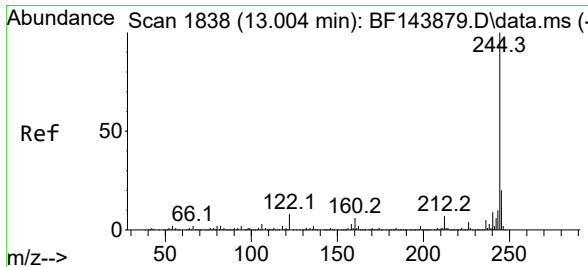
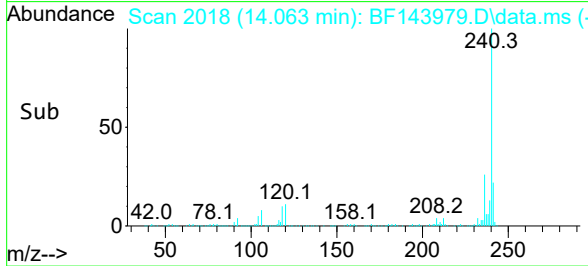
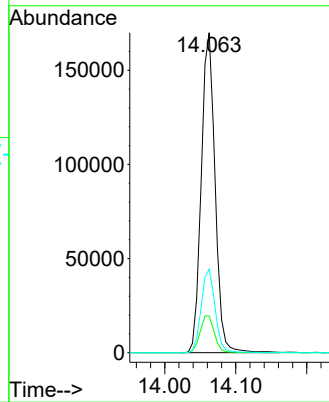


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.005 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
2ND-STREET-SOIL

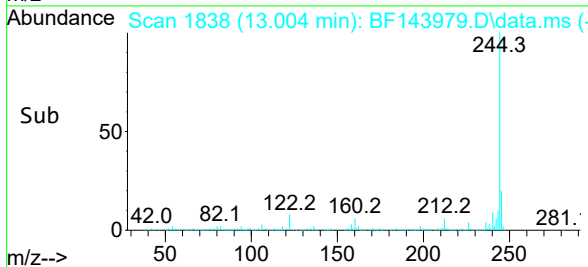
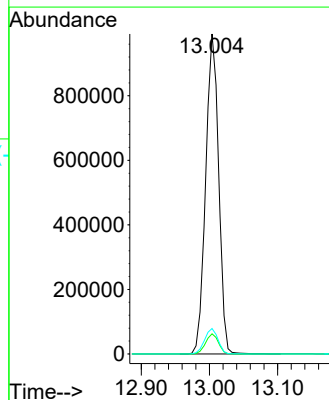
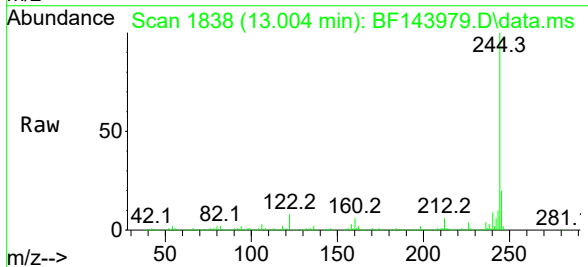


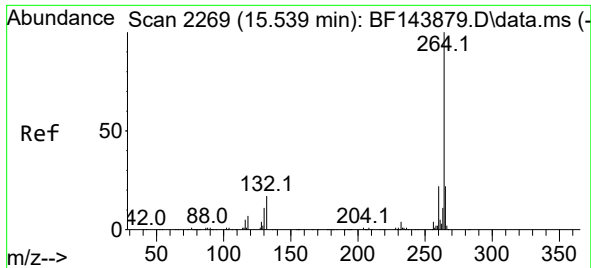
Tgt Ion:240 Resp: 230751  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.6 13.0  
236 26.1 21.1 31.7



#79  
Terphenyl-d14  
Concen: 97.39 ng  
RT: 13.004 min Scan# 1838  
Delta R.T. -0.006 min  
Lab File: BF143979.D  
Acq: 16 Oct 2025 15:11

Tgt Ion:244 Resp: 1314944  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.4 8.0  
122 7.9 6.4 9.6





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.551 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF143979.D  
 Acq: 16 Oct 2025 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2ND-STREET-SOIL

Tgt Ion:264 Resp: 242130  
 Ion Ratio Lower Upper  
 264 100  
 260 21.4 17.8 26.8  
 265 21.4 17.5 26.3

