

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE103124\  
 Data File : BE101434.D  
 Acq On : 31 Oct 2024 15:50  
 Operator : RC/JU  
 Sample : P4639-03 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EO-02-103024

Quant Time: Oct 31 20:36:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 29 01:26:30 2024  
 Response via : Initial Calibration

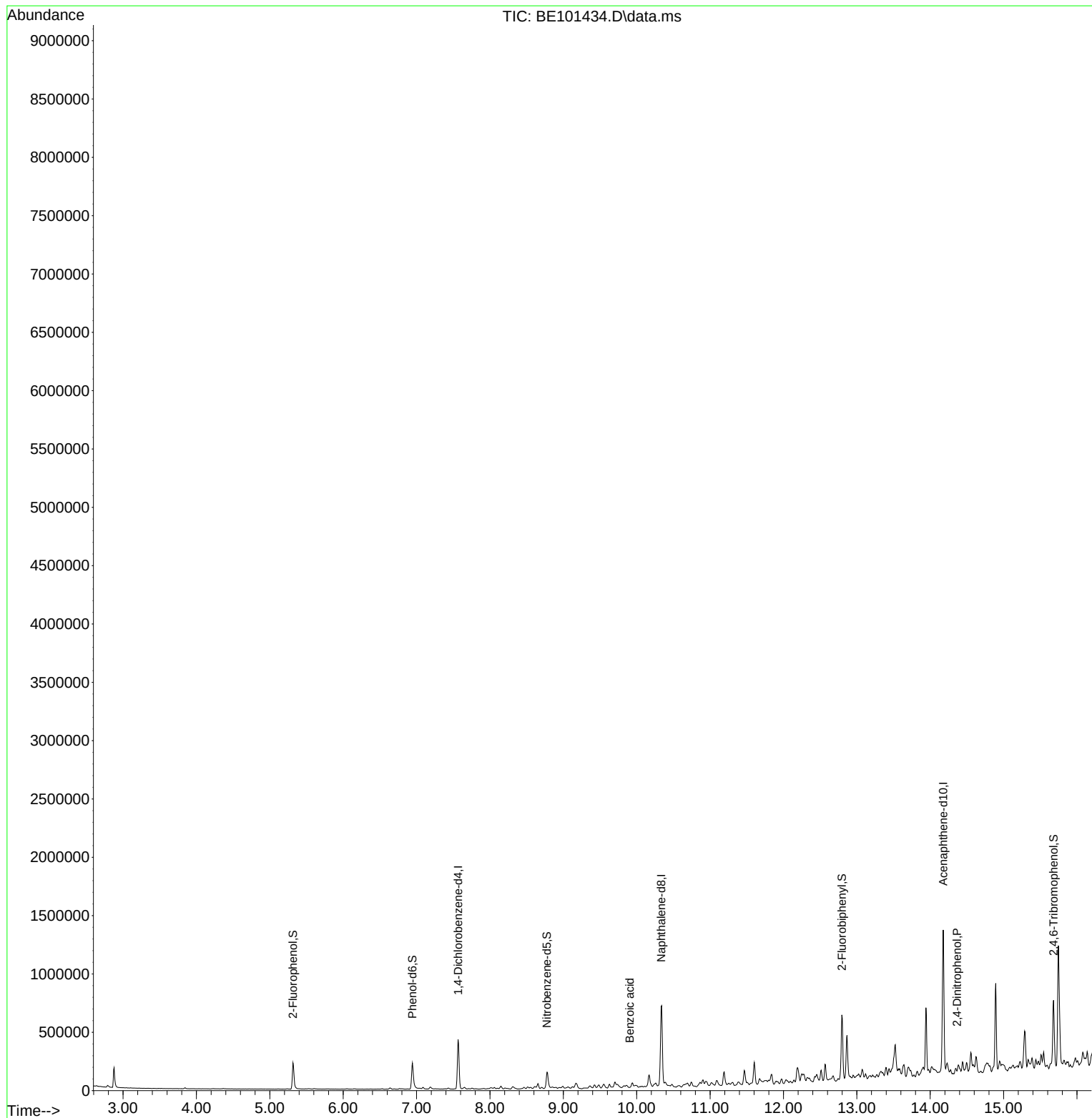
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.567  | 152  | 121922   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.334 | 136  | 577495   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.177 | 164  | 429096   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.915 | 188  | 1012535  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.074 | 240  | 1092047  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.366 | 264  | 1412315  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.316  | 112  | 119757   | 17.215 | ng    | 0.00     |
| 7) Phenol-d6                | 6.944  | 99   | 155748   | 16.147 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.777  | 82   | 89935    | 9.781  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.681 | 330  | 131595   | 17.498 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.796 | 172  | 294586   | 11.627 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.506 | 244  | 688531   | 14.511 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 9.905  | 122  | 88       | 8.227  | ng    | # 53     |
| 54) 2,4-Dinitrophenol       | 14.365 | 184  | 41       | 5.624  | ng    | # 1      |
| 71) Phenanthrene            | 16.956 | 178  | 101855   | 2.101  | ng    | 98       |
| 72) Anthracene              | 16.956 | 178  | 101855   | 2.152  | ng    | 98       |
| 75) Fluoranthene            | 18.959 | 202  | 135575   | 2.303  | ng    | 98       |
| 78) Pyrene                  | 19.329 | 202  | 159975   | 2.664  | ng    | 98       |
| -----                       |        |      |          |        |       |          |

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

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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EO-02-103024

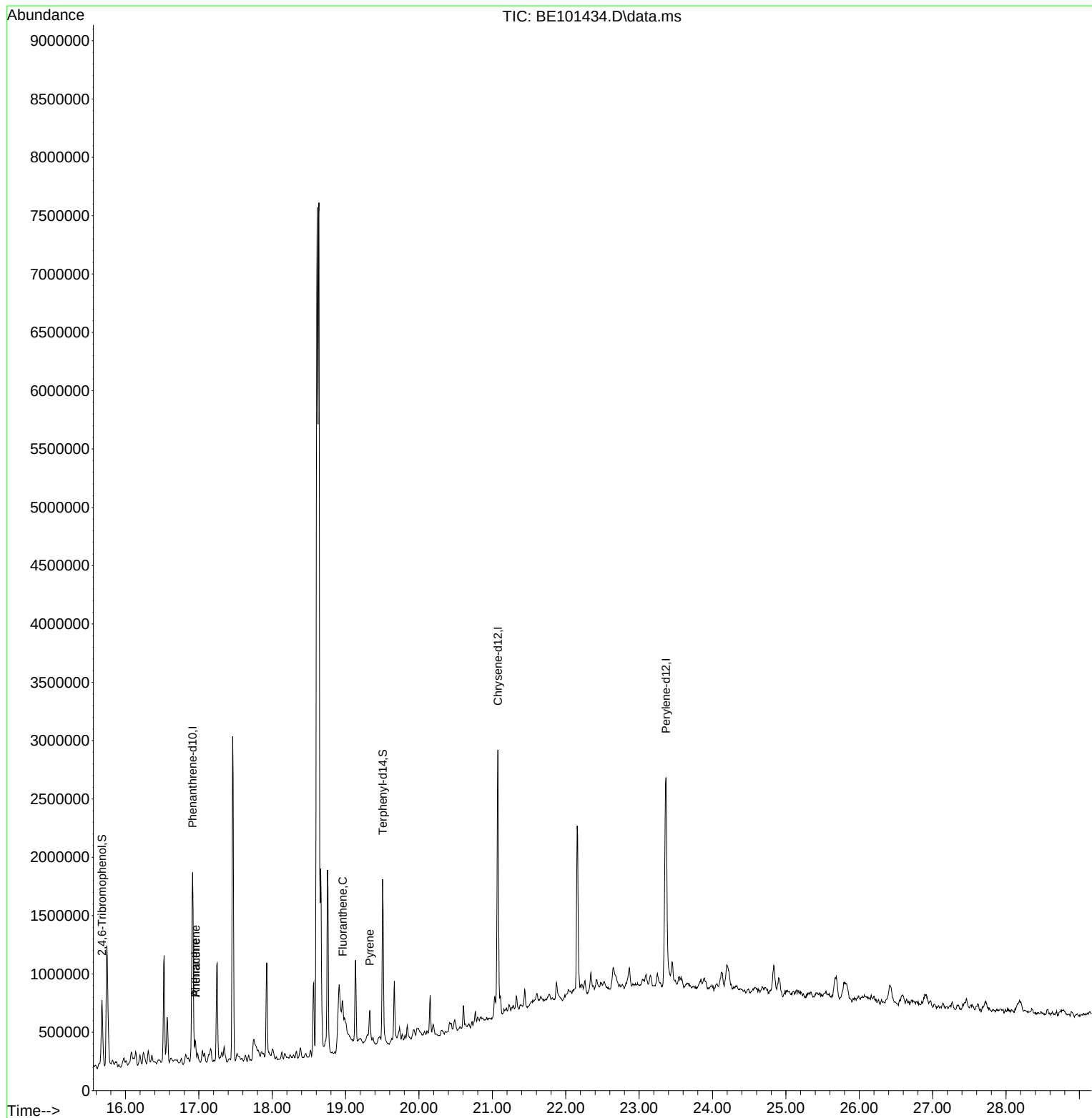
Quant Time: Oct 31 20:36:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 29 01:26:30 2024  
Response via : Initial Calibration

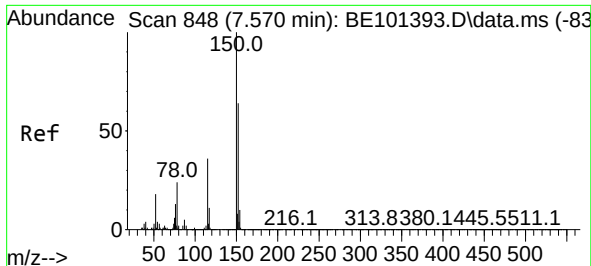


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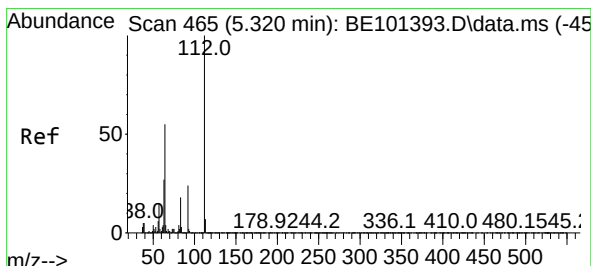
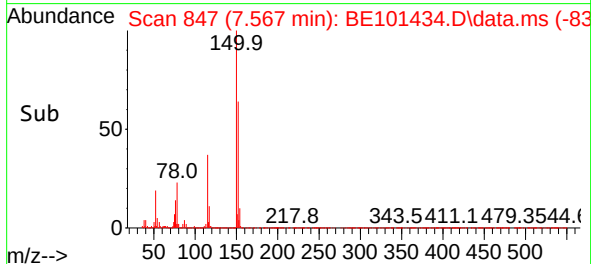
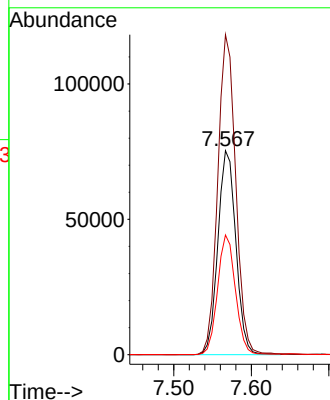
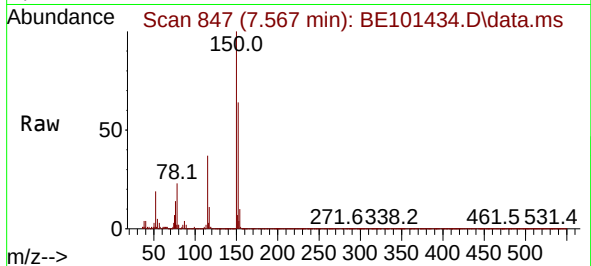




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.567 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

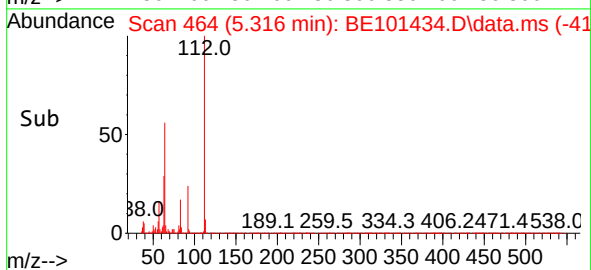
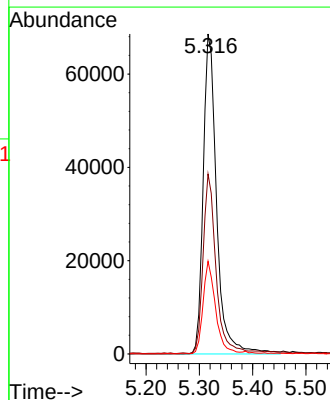
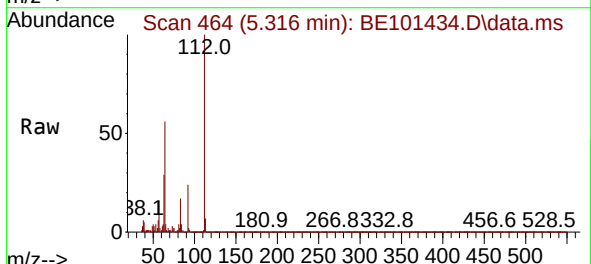
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ClientSampleId :  
EO-02-103024

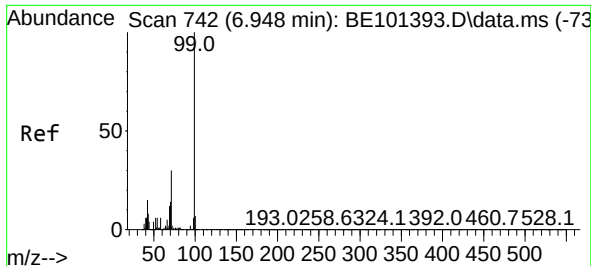
Tgt Ion:152 Resp: 121922  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.2 186.4  
115 58.7 45.3 67.9



#5  
2-Fluorophenol  
Concen: 17.215 ng  
RT: 5.316 min Scan# 464  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

Tgt Ion:112 Resp: 119757  
Ion Ratio Lower Upper  
112 100  
64 56.3 43.7 65.5  
63 29.0 21.4 32.2

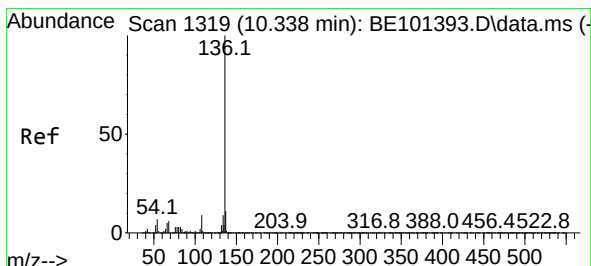
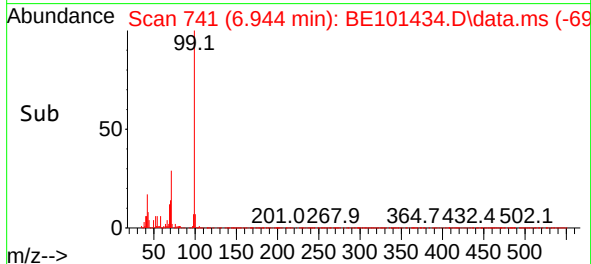
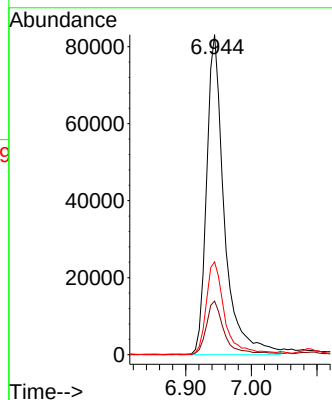
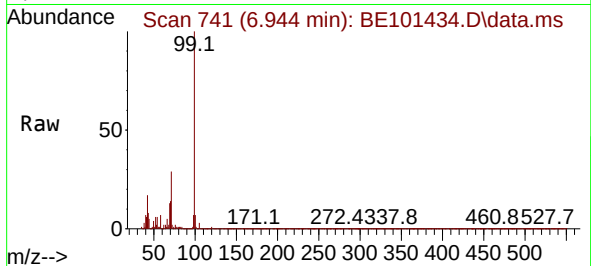




#7  
Phenol-d6  
Concen: 16.147 ng  
RT: 6.944 min Scan# 741  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

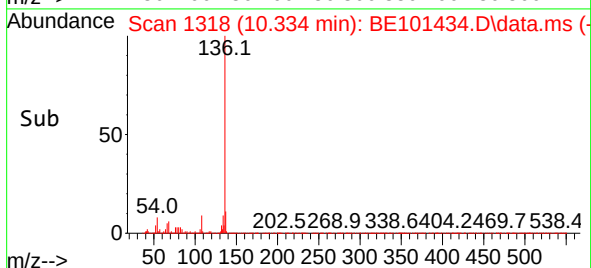
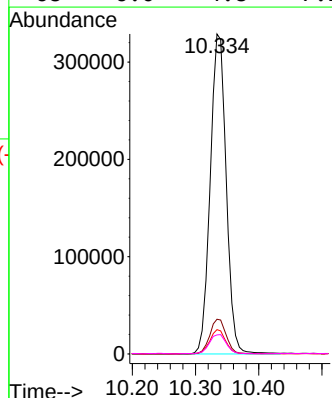
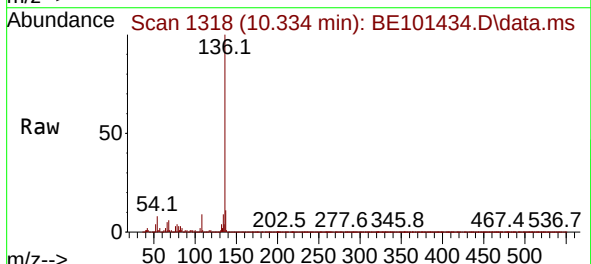
Instrument :  
BNA\_E  
ClientSampleId :  
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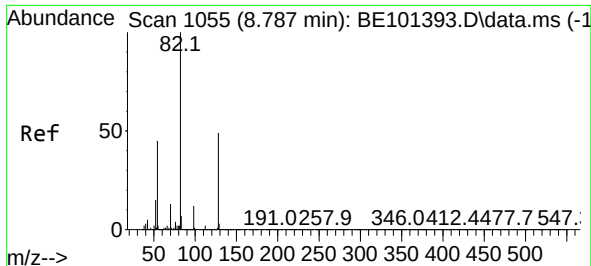
Tgt Ion: 99 Resp: 155748  
Ion Ratio Lower Upper  
99 100  
42 16.8 12.3 18.5  
71 29.0 23.8 35.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.334 min Scan# 1318  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

Tgt Ion: 136 Resp: 577495  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.6  
54 7.6 5.9 8.9  
68 6.0 4.8 7.2

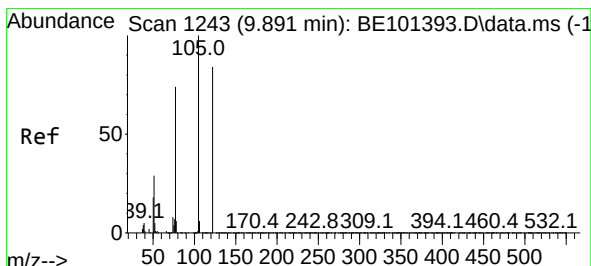
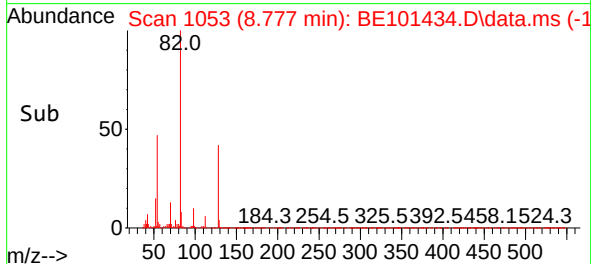
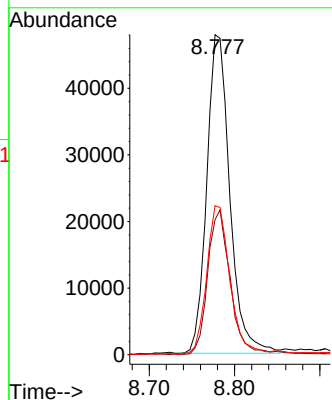
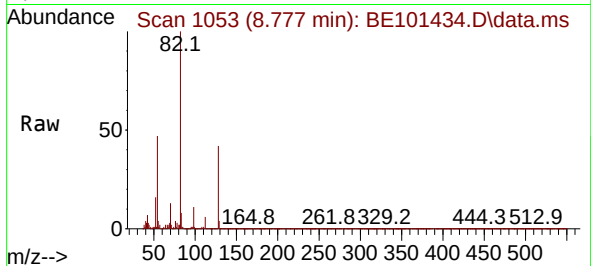




#23  
 Nitrobenzene-d5  
 Concen: 9.781 ng  
 RT: 8.777 min Scan# 1055  
 Delta R.T. -0.010 min  
 Lab File: BE101434.D  
 Acq: 31 Oct 2024 15:50

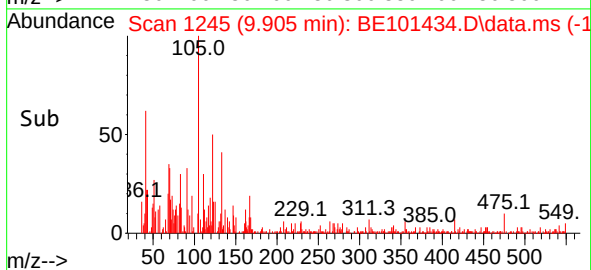
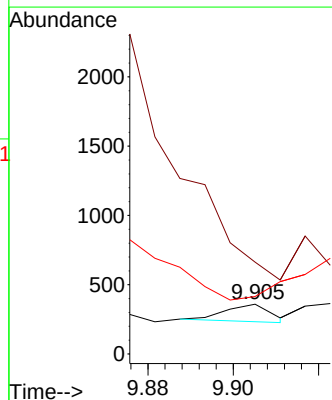
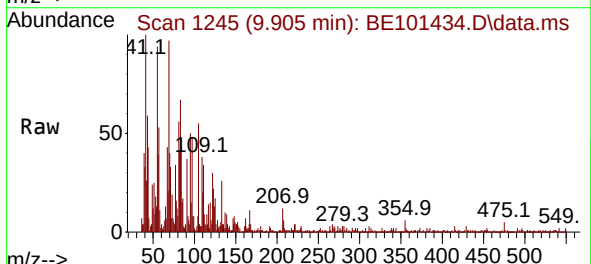
Instrument :  
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 ClientSampleId :  
 EO-02-103024

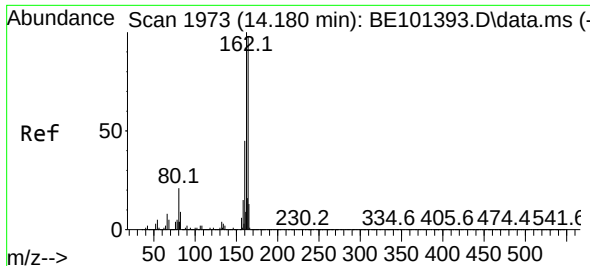
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 89935 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 42.2  | 38.9  | 58.3  |
| 54       | 46.6  | 36.2  | 54.4  |



#32  
 Benzoic acid  
 Concen: 8.227 ng  
 RT: 9.905 min Scan# 1245  
 Delta R.T. 0.014 min  
 Lab File: BE101434.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 88     |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 184.2 | 97.9  | 137.9# |
| 77       | 115.3 | 68.1  | 108.1# |

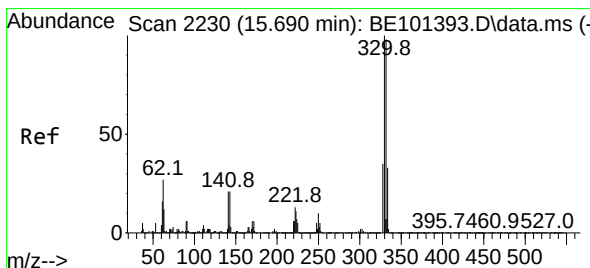
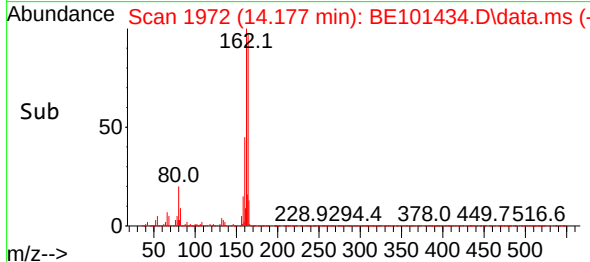
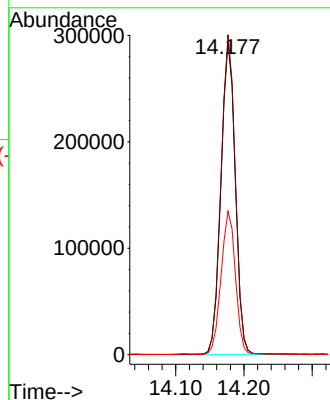
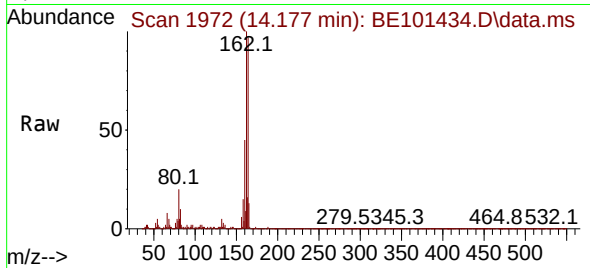




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.177 min Scan# 1973  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

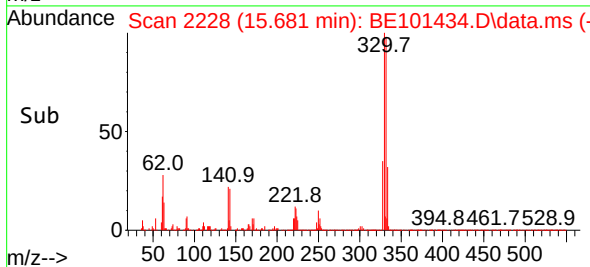
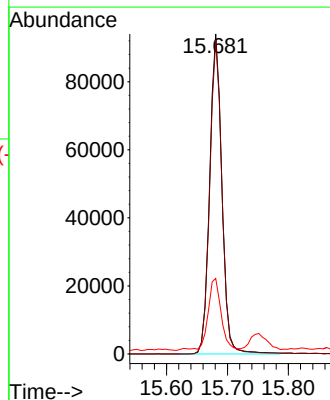
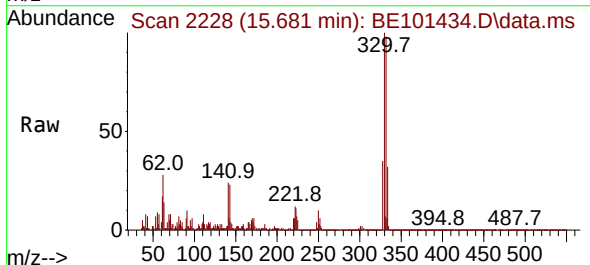
Instrument :  
BNA\_E  
ClientSampleId :  
EO-02-103024

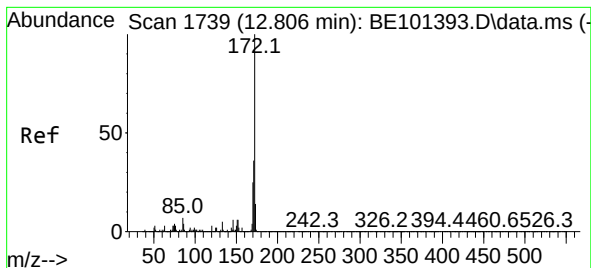
Tgt Ion:164 Resp: 429096  
Ion Ratio Lower Upper  
164 100  
162 102.6 81.3 121.9  
160 46.0 36.4 54.6



#42  
2,4,6-Tribromophenol  
Concen: 17.498 ng  
RT: 15.681 min Scan# 2228  
Delta R.T. -0.010 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

Tgt Ion:330 Resp: 131595  
Ion Ratio Lower Upper  
330 100  
332 98.2 78.2 117.2  
141 22.5 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 11.627 ng

RT: 12.796 min Scan# 1

Delta R.T. -0.010 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

Instrument :

BNA\_E

ClientSampleId :

EO-02-103024

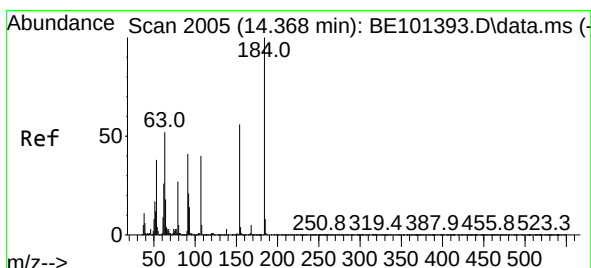
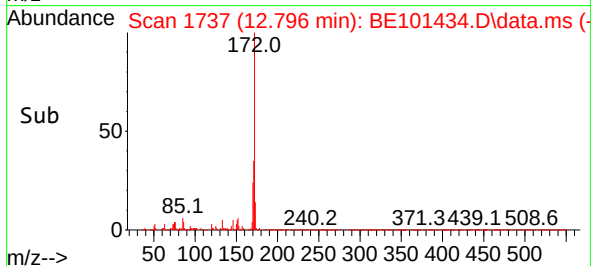
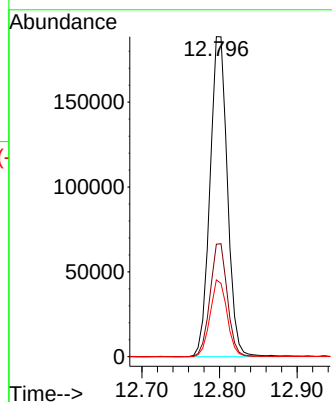
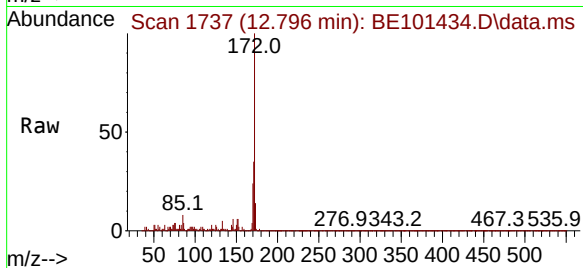
Tgt Ion:172 Resp: 294586

Ion Ratio Lower Upper

172 100

171 35.2 29.2 43.8

170 24.0 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.624 ng

RT: 14.365 min Scan# 2004

Delta R.T. -0.003 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

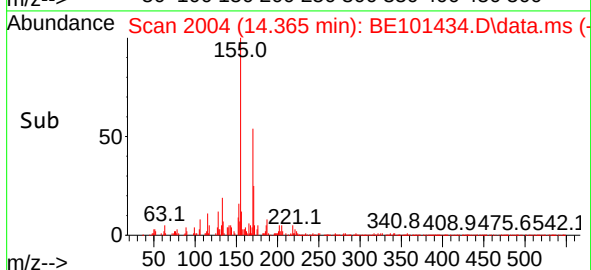
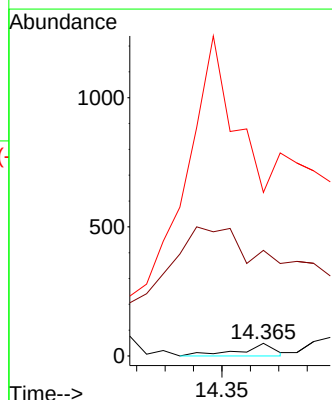
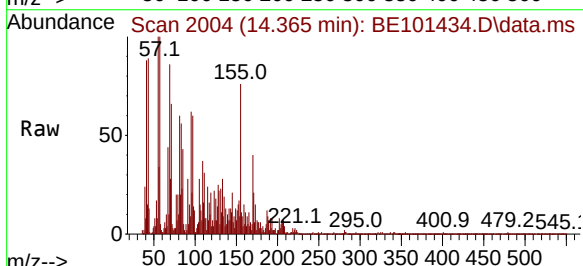
Tgt Ion:184 Resp: 41

Ion Ratio Lower Upper

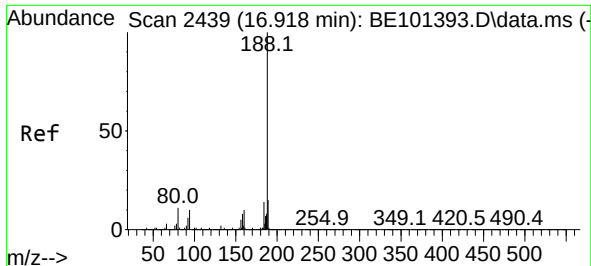
184 100

63 834.7 41.8 62.6#

154 1291.8 44.9 67.3#



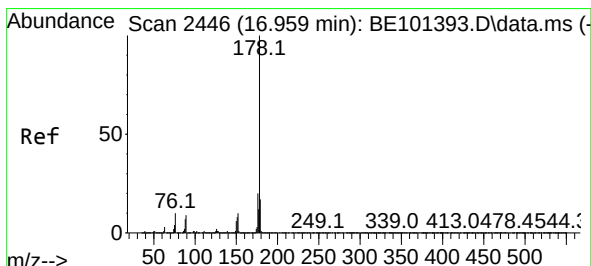
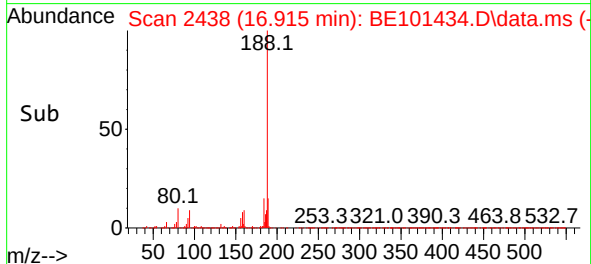
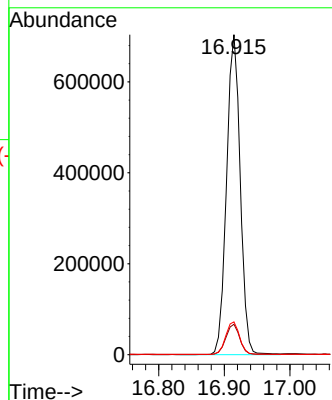
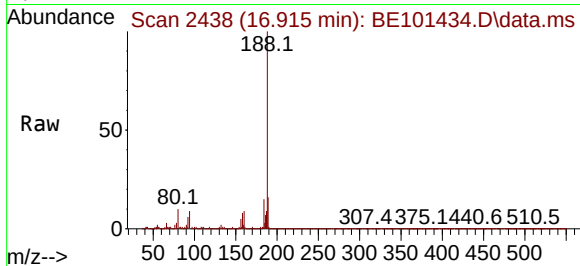




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.915 min Scan# 2439  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

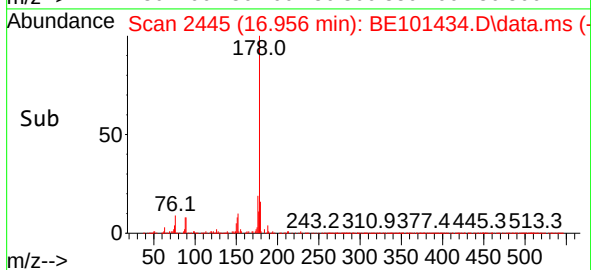
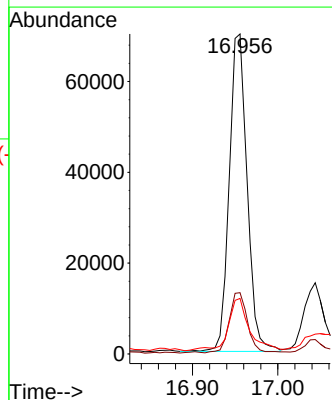
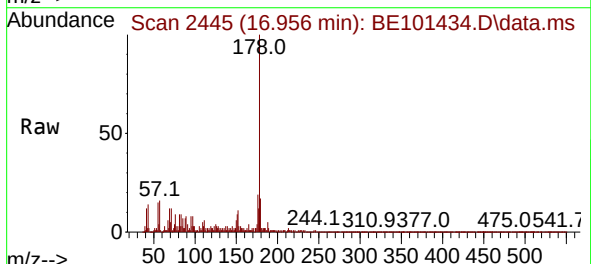
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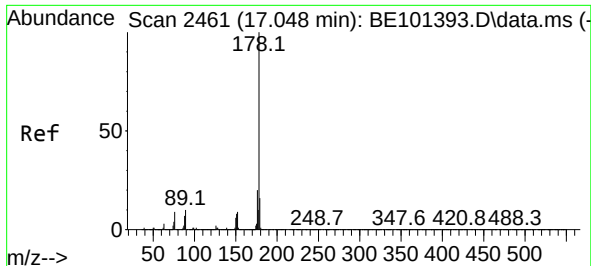
Tgt Ion:188 Resp: 1012535  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.8 11.8  
80 10.2 8.6 12.8



#71  
Phenanthrene  
Concen: 2.101 ng  
RT: 16.956 min Scan# 2445  
Delta R.T. -0.004 min  
Lab File: BE101434.D  
Acq: 31 Oct 2024 15:50

Tgt Ion:178 Resp: 101855  
Ion Ratio Lower Upper  
178 100  
176 19.2 16.4 24.6  
179 17.4 13.2 19.8

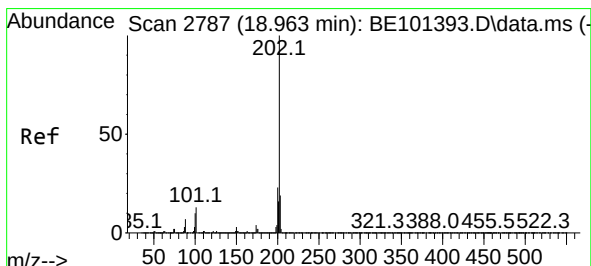
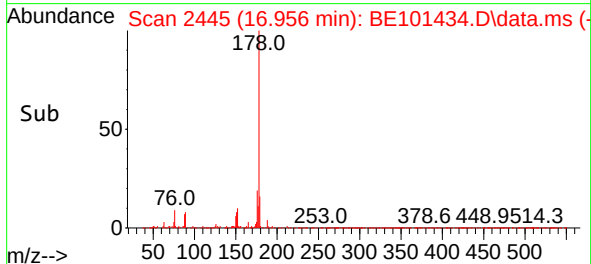
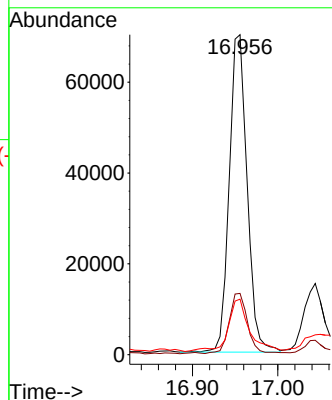
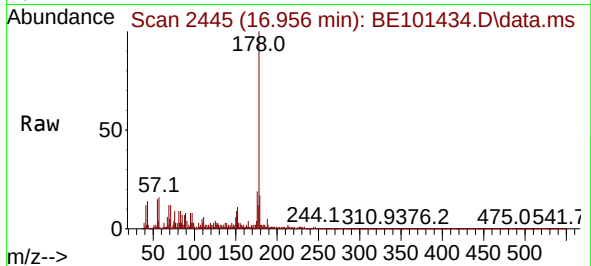




#72  
 Anthracene  
 Concen: 2.152 ng  
 RT: 16.956 min Scan# 2461  
 Delta R.T. -0.092 min  
 Lab File: BE101434.D  
 Acq: 31 Oct 2024 15:50

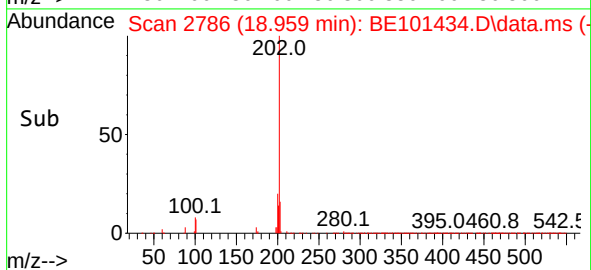
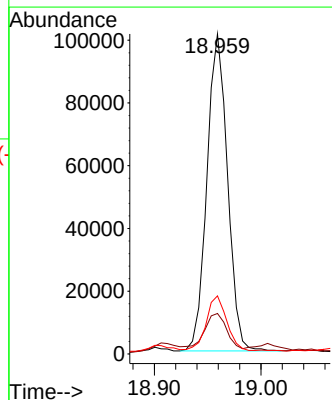
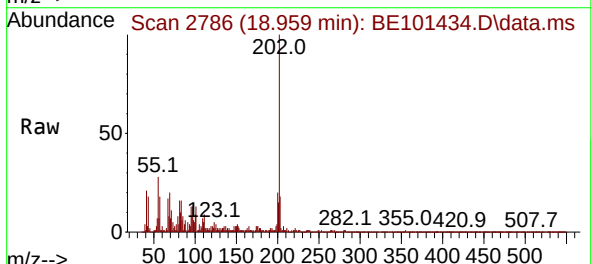
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EO-02-103024

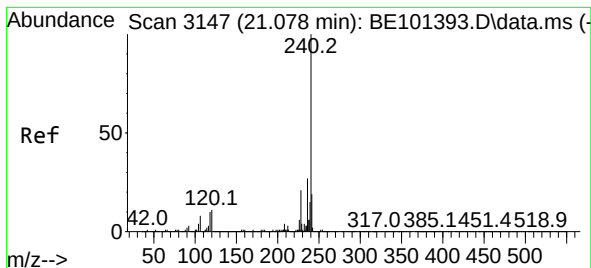
Tgt Ion:178 Resp: 101855  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.9 23.9  
 179 17.4 13.1 19.7



#75  
 Fluoranthene  
 Concen: 2.303 ng  
 RT: 18.959 min Scan# 2786  
 Delta R.T. -0.004 min  
 Lab File: BE101434.D  
 Acq: 31 Oct 2024 15:50

Tgt Ion:202 Resp: 135575  
 Ion Ratio Lower Upper  
 202 100  
 101 12.7 0.0 33.3  
 203 18.2 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.074 min Scan# 31

Delta R.T. -0.004 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

Instrument :

BNA\_E

ClientSampleId :

EO-02-103024

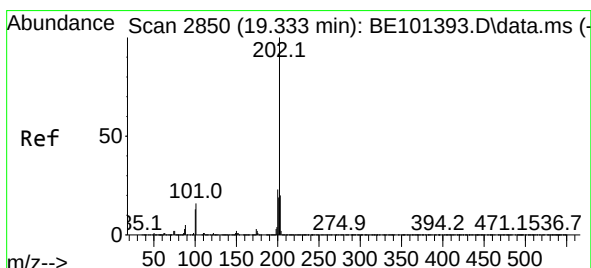
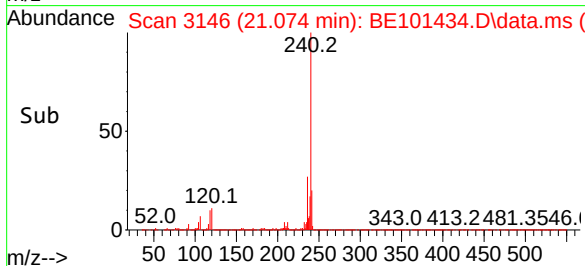
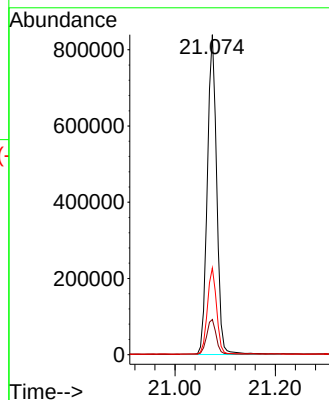
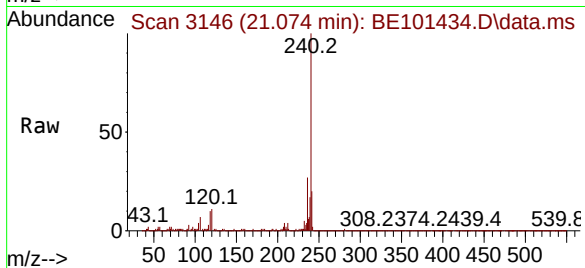
Tgt Ion:240 Resp: 1092047

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.4

236 27.1 21.4 32.0



#78

Pyrene

Concen: 2.664 ng

RT: 19.329 min Scan# 2849

Delta R.T. -0.004 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

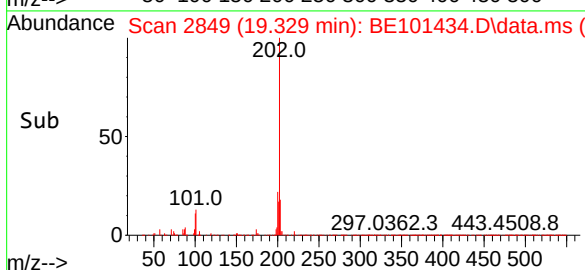
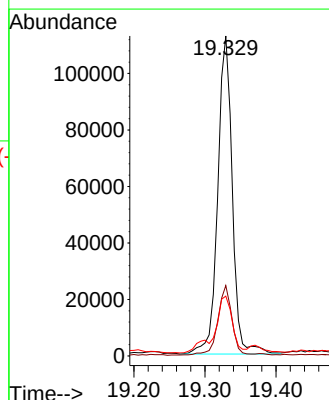
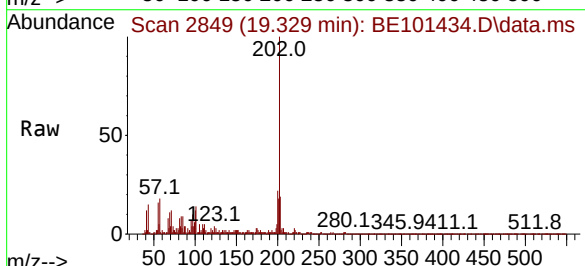
Tgt Ion:202 Resp: 159975

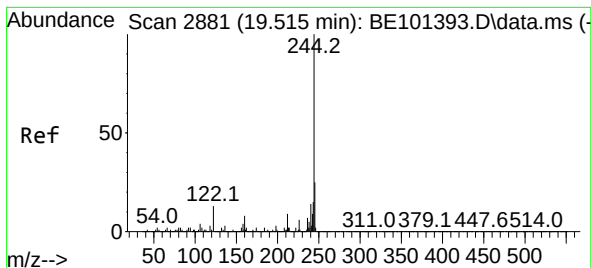
Ion Ratio Lower Upper

202 100

200 22.0 18.6 28.0

203 18.7 15.6 23.4





#79

Terphenyl-d14

Concen: 14.511 ng

RT: 19.506 min Scan# 2879

Delta R.T. -0.009 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

Instrument :

BNA\_E

ClientSampleId :

EO-02-103024

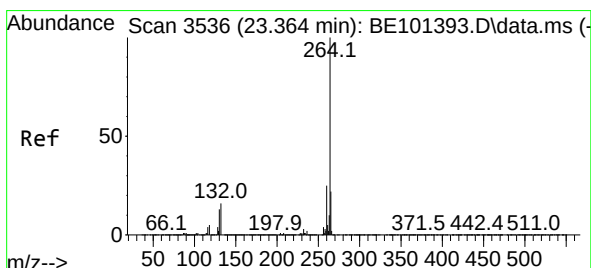
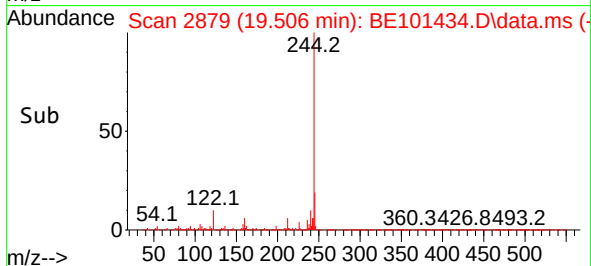
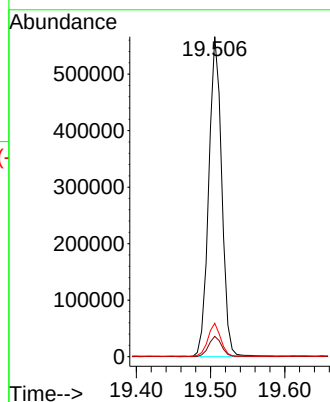
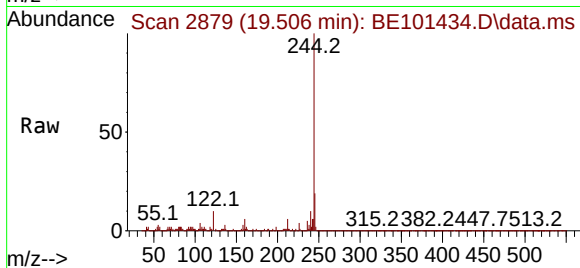
Tgt Ion:244 Resp: 688531

Ion Ratio Lower Upper

244 100

212 6.4 7.2 10.8#

122 10.5 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.366 min Scan# 3536

Delta R.T. 0.002 min

Lab File: BE101434.D

Acq: 31 Oct 2024 15:50

Tgt Ion:264 Resp: 1412315

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

265 22.5 17.6 26.4

