

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE103124\  
 Data File : BE101442.D  
 Acq On : 31 Oct 2024 20:36  
 Operator : RC/JU  
 Sample : P4595-01RE  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PITKIN-COMP

Quant Time: Nov 01 06:16:51 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

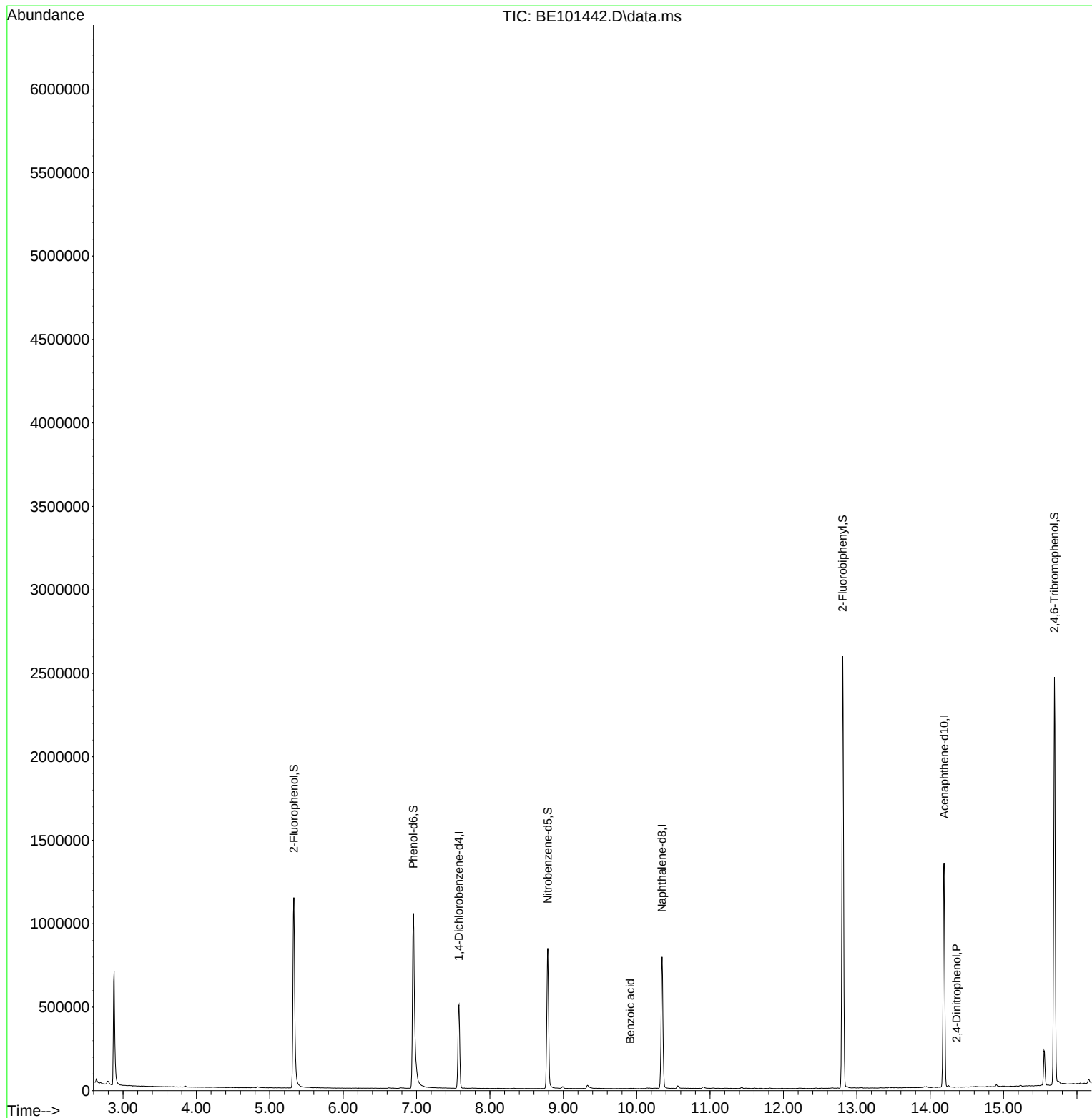
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.579  | 152  | 148112   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.346 | 136  | 698047   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.189 | 164  | 479391   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.927 | 188  | 1031178  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.086 | 240  | 1039489  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.384 | 264  | 1358300  | 20.000 | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 625722   | 74.044 | ng    | 0.00     |
| 7) Phenol-d6                | 6.956  | 99   | 850492   | 72.582 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.789  | 82   | 513706   | 46.222 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.693 | 330  | 593575   | 70.645 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.808 | 172  | 1395500  | 49.299 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.518 | 244  | 2503604  | 55.433 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 9.911  | 122  | 31       | 8.219  | ng    | # 43     |
| 54) 2,4-Dinitrophenol       | 14.359 | 184  | 40       | 5.623  | ng    | # 56     |
| 75) Fluoranthene            | 18.971 | 202  | 160620   | 2.679  | ng    | 96       |
| 78) Pyrene                  | 19.336 | 202  | 155894   | 2.727  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 22.667 | 252  | 173866   | 2.456  | ng    | # 86     |
| 89) Benzo(k)fluoranthene    | 22.667 | 252  | 173866   | 2.629  | ng    | # 87     |
| -----                       |        |      |          |        |       |          |

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

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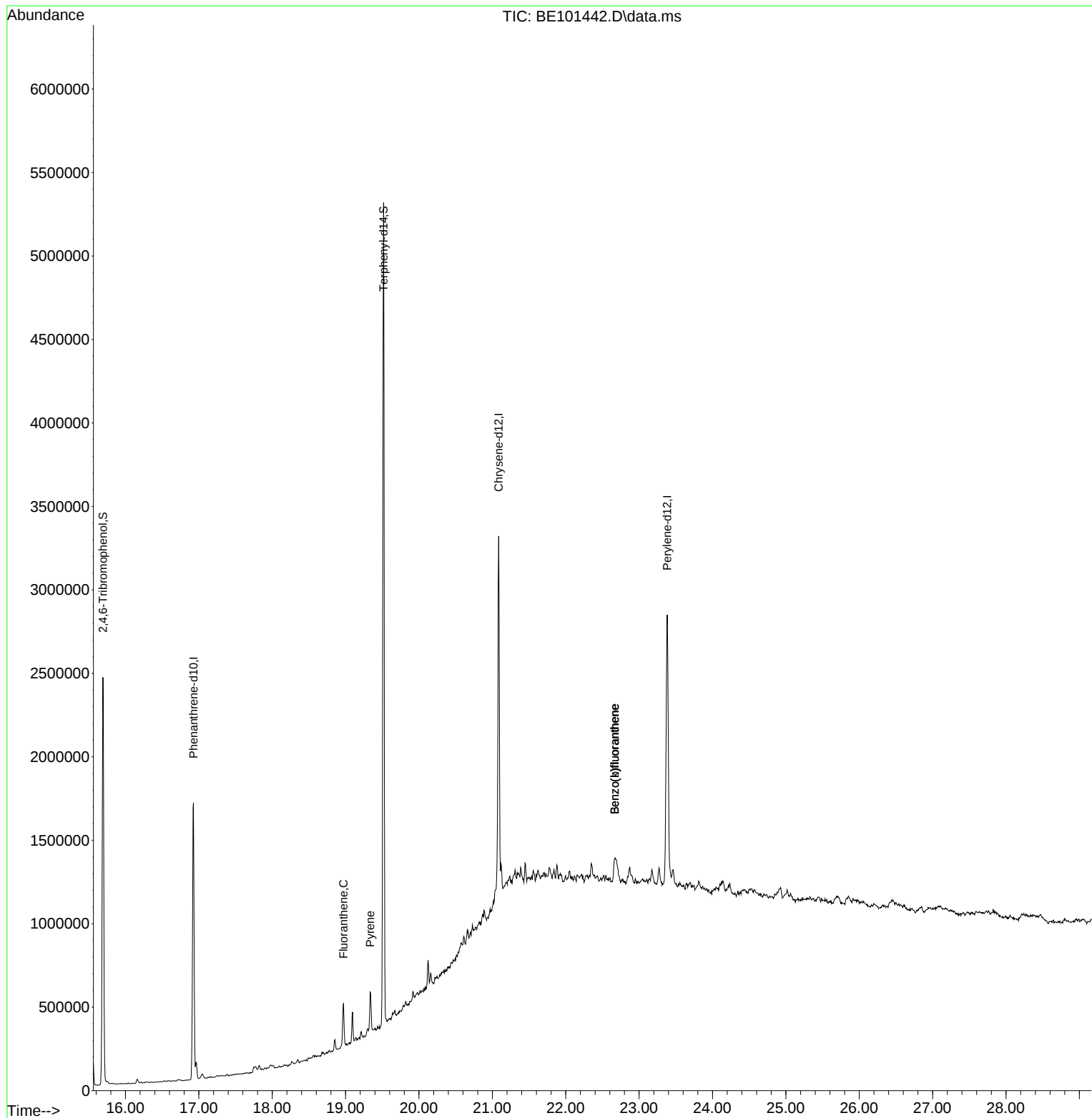
Quant Time: Nov 01 06:16:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 29 01:26:30 2024  
Response via : Initial Calibration

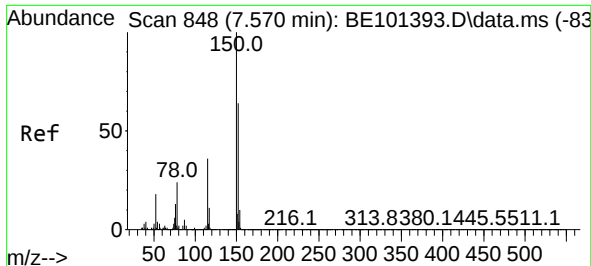


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Quant Time: Nov 01 06:16:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-BE102824.M  
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Response via : Initial Calibration

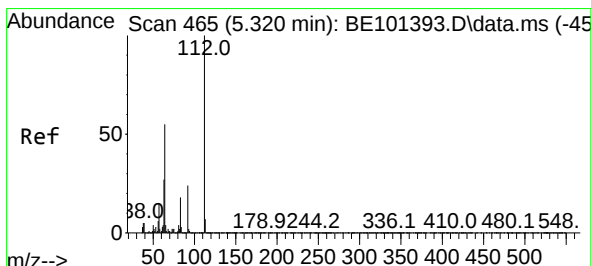
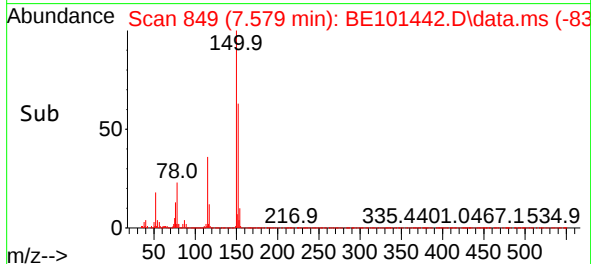
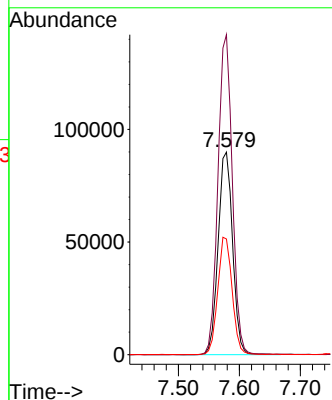
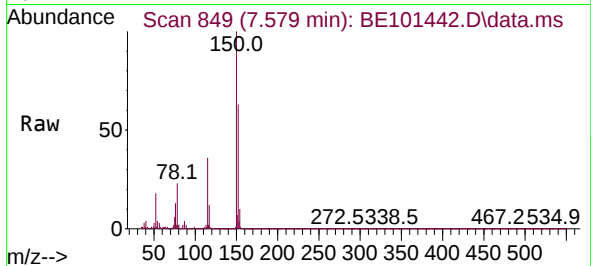




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.579 min Scan# 848  
Delta R.T. 0.009 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

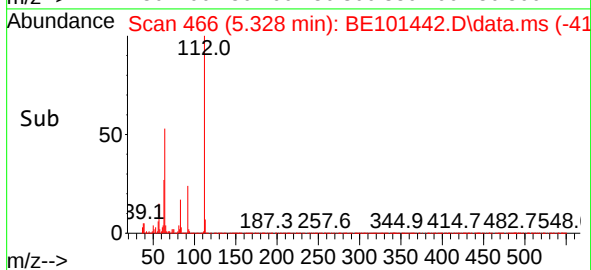
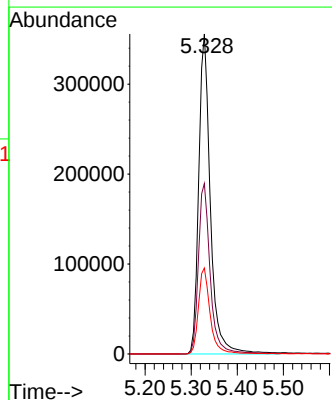
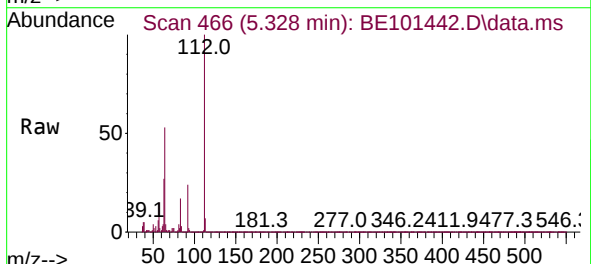
Instrument :  
BNA\_E  
ClientSampleId :  
PITKIN-COMP

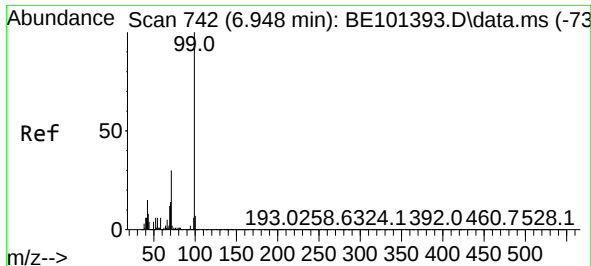
Tgt Ion:152 Resp: 148112  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.2 186.4  
115 57.1 45.3 67.9



#5  
2-Fluorophenol  
Concen: 74.044 ng  
RT: 5.328 min Scan# 466  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

Tgt Ion:112 Resp: 625722  
Ion Ratio Lower Upper  
112 100  
64 53.2 43.7 65.5  
63 26.8 21.4 32.2

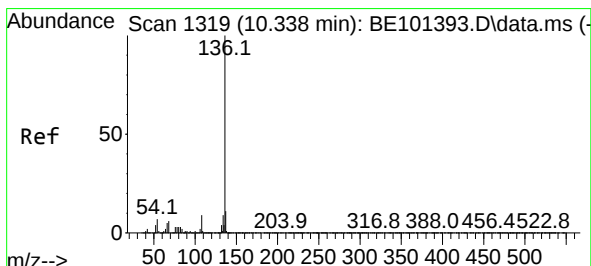
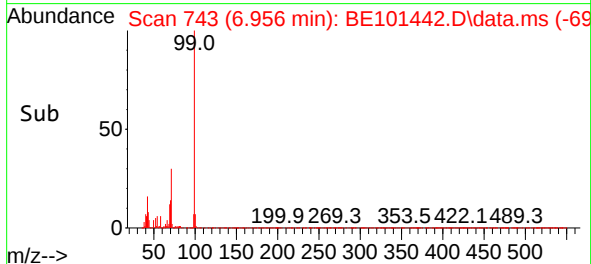
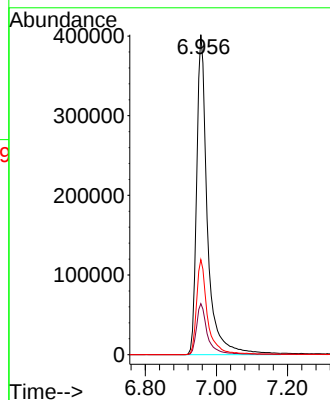
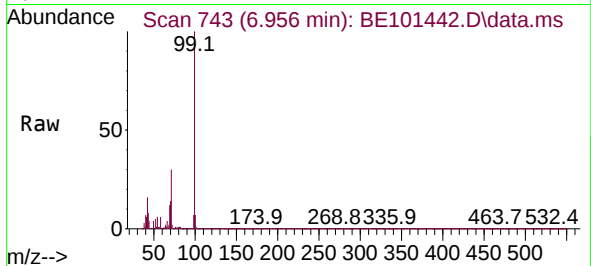




#7  
Phenol-d6  
Concen: 72.582 ng  
RT: 6.956 min Scan# 74  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

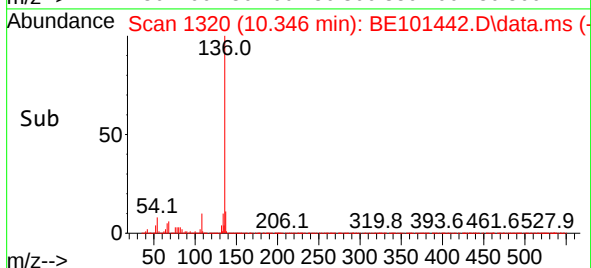
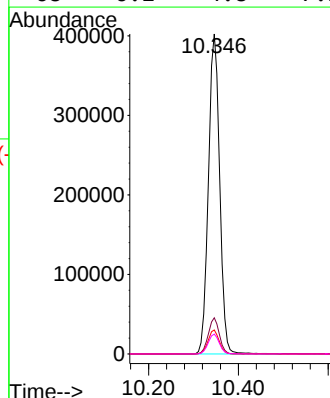
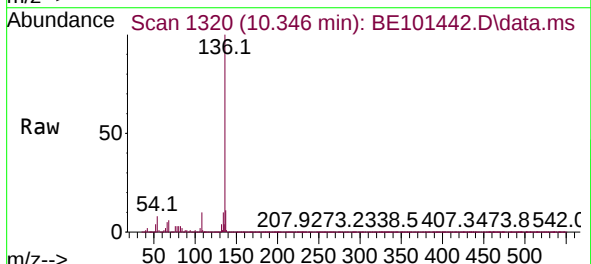
Instrument :  
BNA\_E  
ClientSampleId :  
PITKIN-COMP

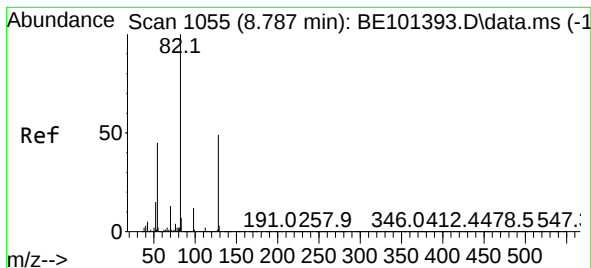
Tgt Ion: 99 Resp: 850492  
Ion Ratio Lower Upper  
99 100  
42 16.0 12.3 18.5  
71 29.7 23.8 35.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.346 min Scan# 1320  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

Tgt Ion:136 Resp: 698047  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.6  
54 7.5 5.9 8.9  
68 6.2 4.8 7.2

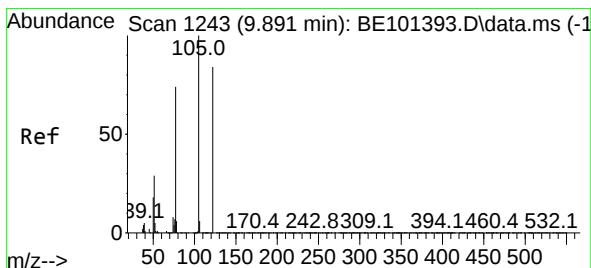
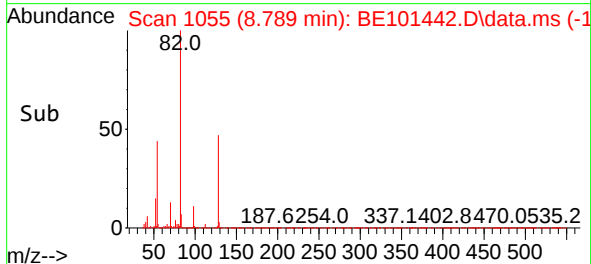
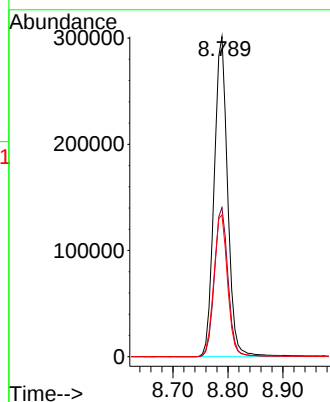
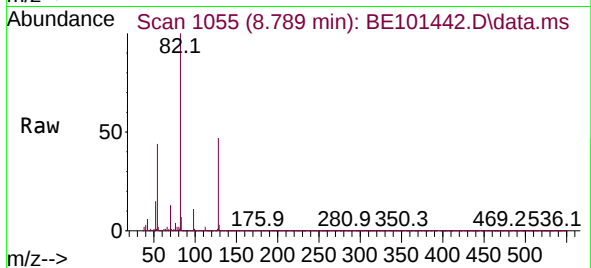




#23  
Nitrobenzene-d5  
Concen: 46.222 ng  
RT: 8.789 min Scan# 1055  
Delta R.T. 0.002 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

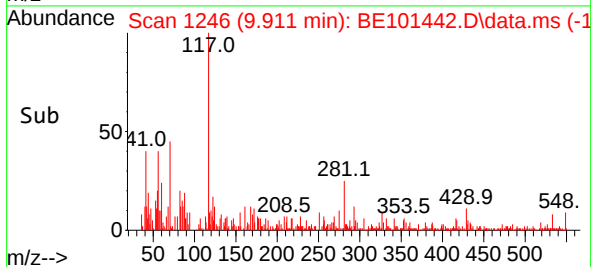
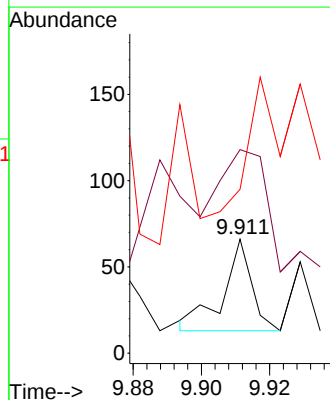
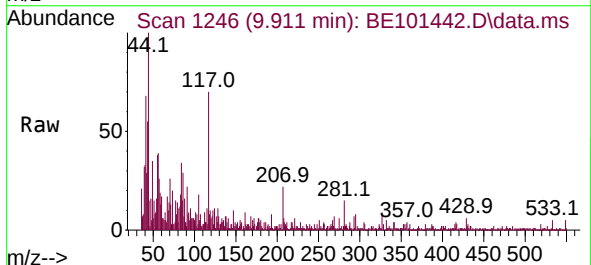
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ClientSampleId :  
PITKIN-COMP

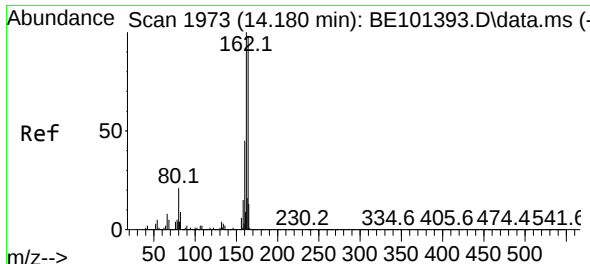
Tgt Ion: 82 Resp: 513706  
Ion Ratio Lower Upper  
82 100  
128 46.6 38.9 58.3  
54 44.3 36.2 54.4



#32  
Benzoic acid  
Concen: 8.219 ng  
RT: 9.911 min Scan# 1246  
Delta R.T. 0.020 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

Tgt Ion: 122 Resp: 31  
Ion Ratio Lower Upper  
122 100  
105 178.8 97.9 137.9#  
77 143.9 68.1 108.1#

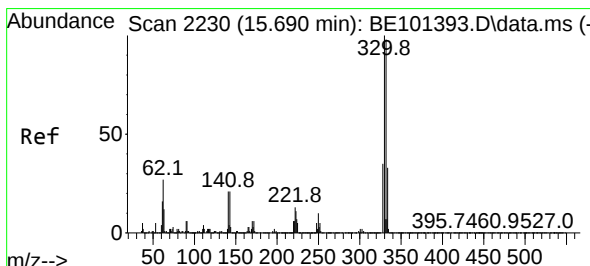
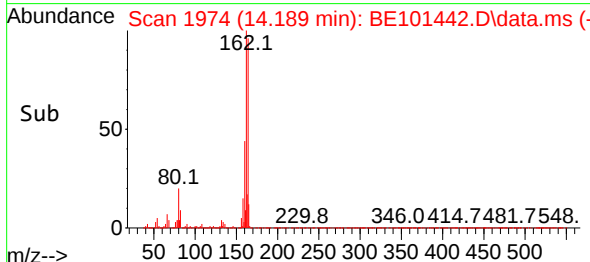
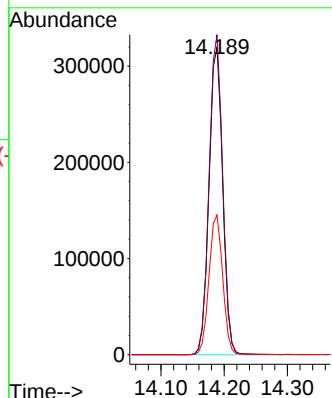
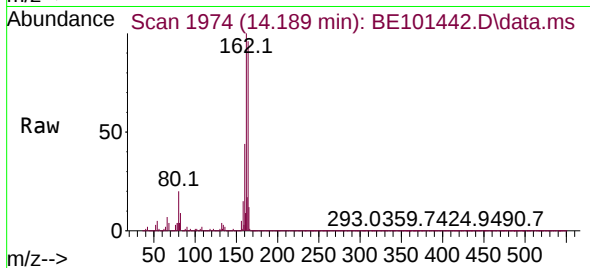




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.189 min Scan# 1973  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

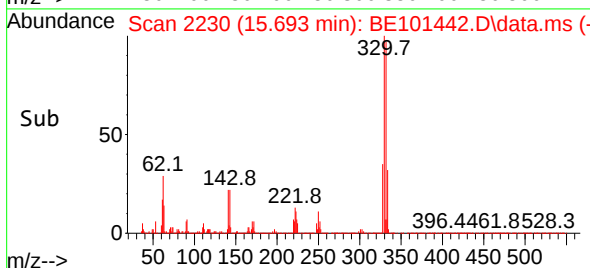
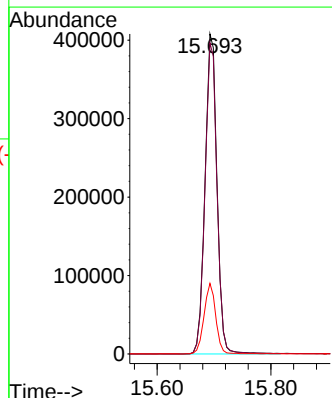
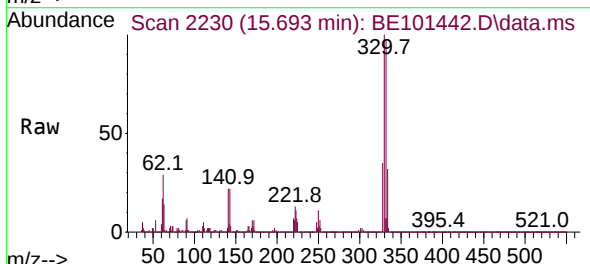
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PITKIN-COMP

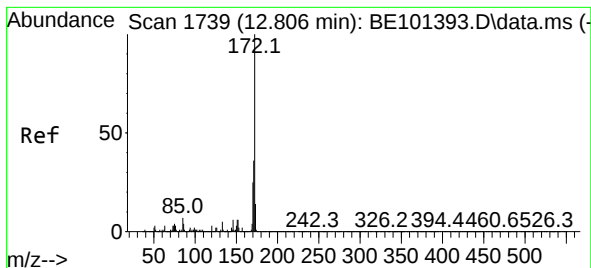
Tgt Ion:164 Resp: 479391  
Ion Ratio Lower Upper  
164 100  
162 104.1 81.3 121.9  
160 45.5 36.4 54.6



#42  
2,4,6-Tribromophenol  
Concen: 70.645 ng  
RT: 15.693 min Scan# 2230  
Delta R.T. 0.002 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

Tgt Ion:330 Resp: 593575  
Ion Ratio Lower Upper  
330 100  
332 97.7 78.2 117.2  
141 21.6 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 49.299 ng

RT: 12.808 min Scan# 11

Delta R.T. 0.002 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

Instrument :

BNA\_E

ClientSampleId :

PITKIN-COMP

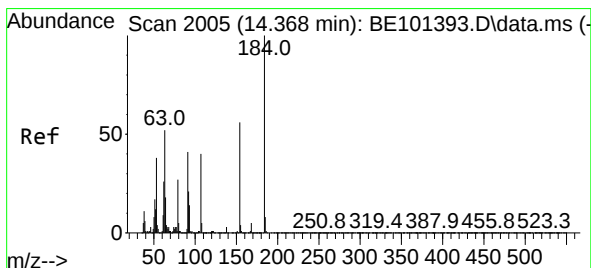
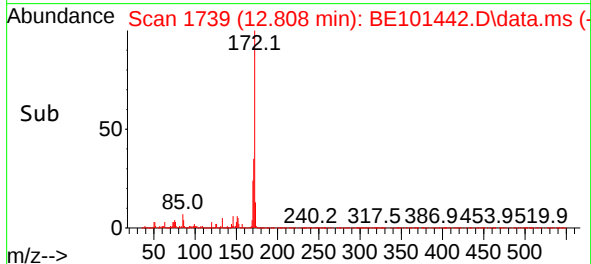
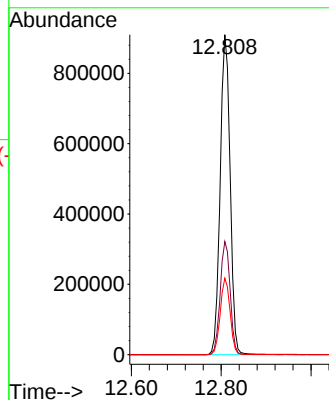
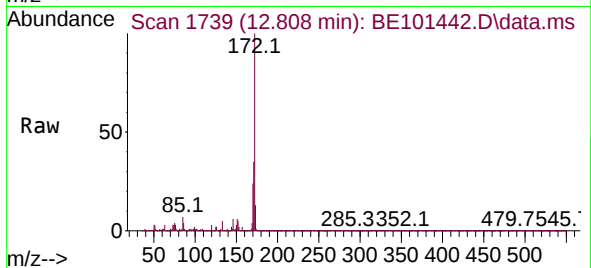
Tgt Ion:172 Resp: 1395500

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

170 23.9 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.623 ng

RT: 14.359 min Scan# 2003

Delta R.T. -0.009 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

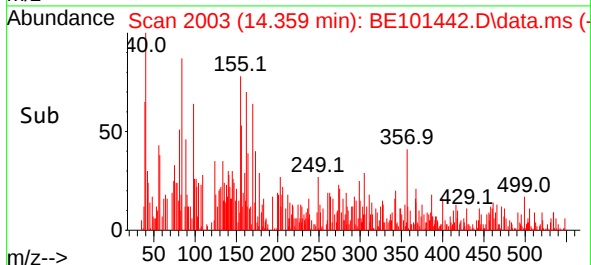
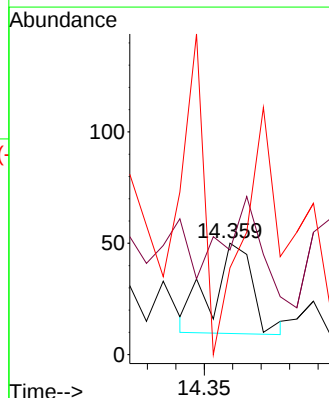
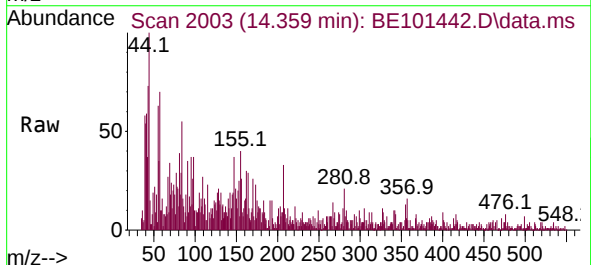
Tgt Ion:184 Resp: 40

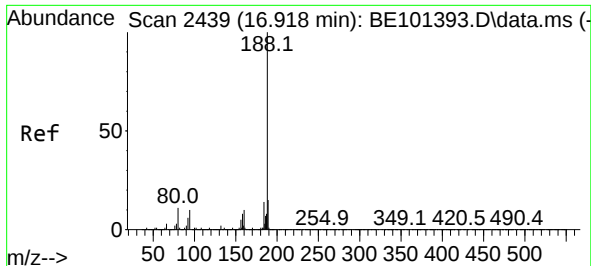
Ion Ratio Lower Upper

184 100

63 94.0 41.8 62.6#

154 78.0 44.9 67.3#

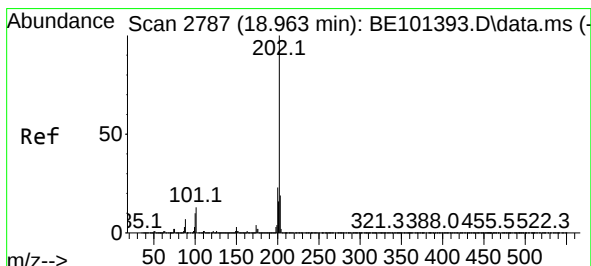
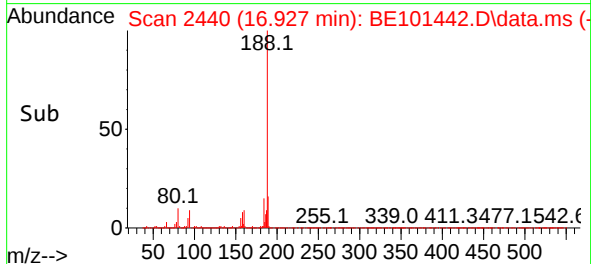
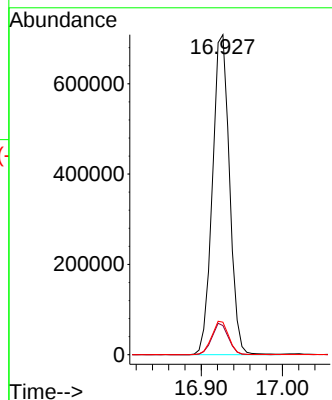
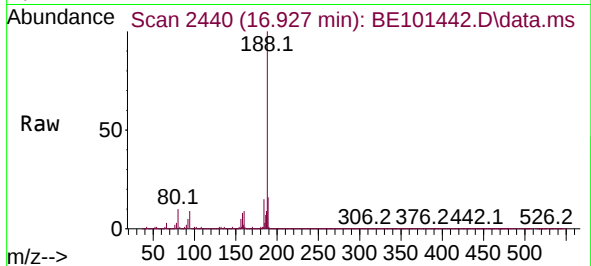




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.927 min Scan# 24  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

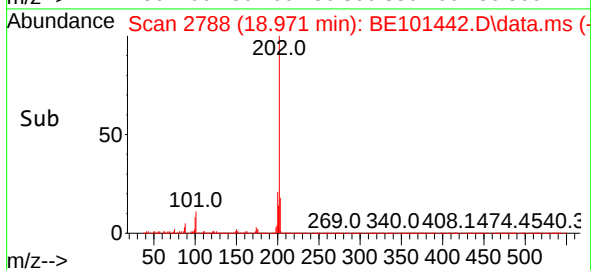
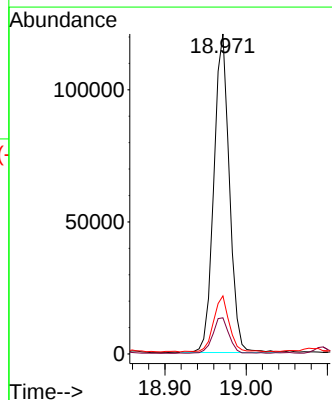
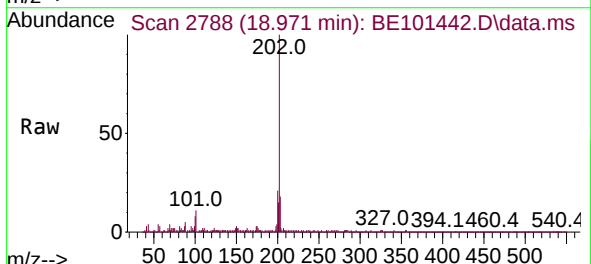
Instrument :  
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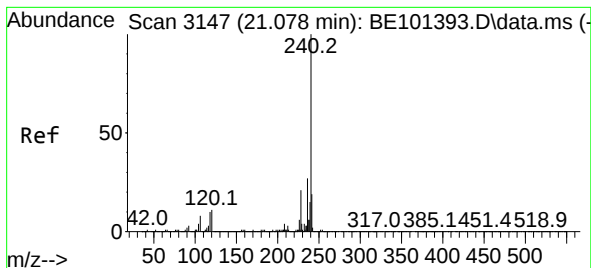
Tgt Ion:188 Resp: 1031178  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.8 11.8  
80 10.1 8.6 12.8



#75  
Fluoranthene  
Concen: 2.679 ng  
RT: 18.971 min Scan# 2788  
Delta R.T. 0.008 min  
Lab File: BE101442.D  
Acq: 31 Oct 2024 20:36

Tgt Ion:202 Resp: 160620  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 33.3  
203 18.2 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.086 min Scan# 3147

Delta R.T. 0.008 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

Instrument :

BNA\_E

ClientSampleId :

PITKIN-COMP

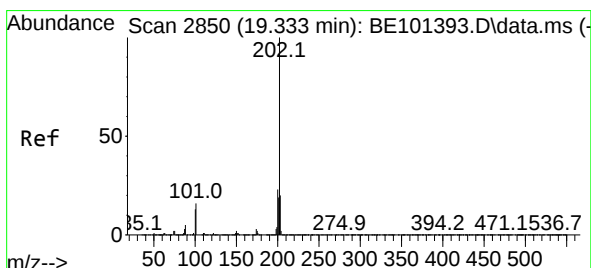
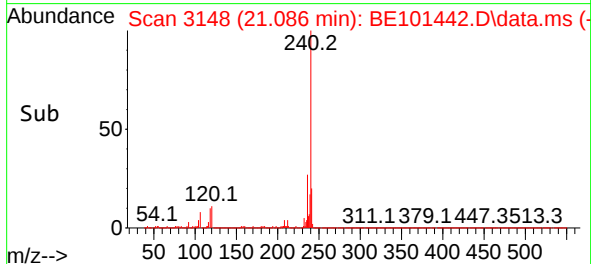
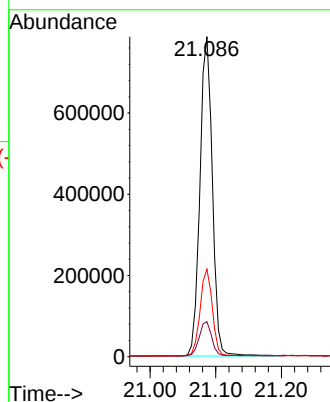
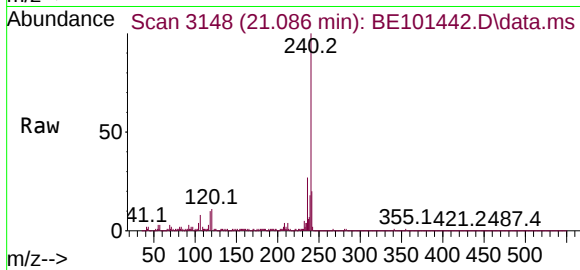
Tgt Ion:240 Resp: 1039489

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 27.3 21.4 32.0



#78

Pyrene

Concen: 2.727 ng

RT: 19.336 min Scan# 2850

Delta R.T. 0.002 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

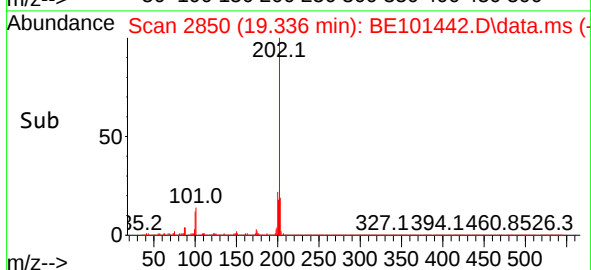
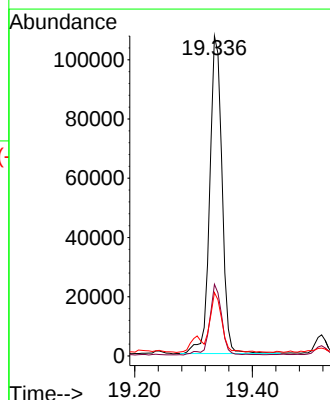
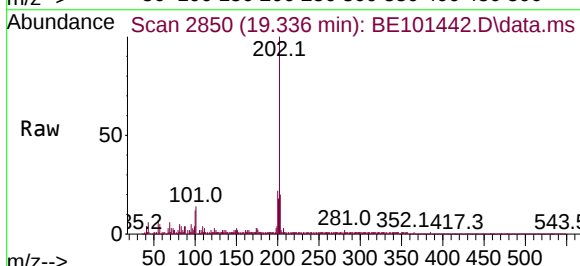
Tgt Ion:202 Resp: 155894

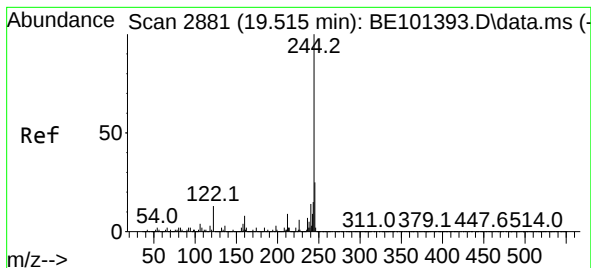
Ion Ratio Lower Upper

202 100

200 22.4 18.6 28.0

203 19.8 15.6 23.4





#79

Terphenyl-d14

Concen: 55.433 ng

RT: 19.518 min Scan# 21

Delta R.T. 0.003 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

Instrument :

BNA\_E

ClientSampleId :

PITKIN-COMP

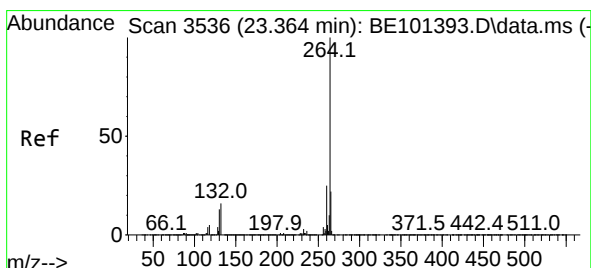
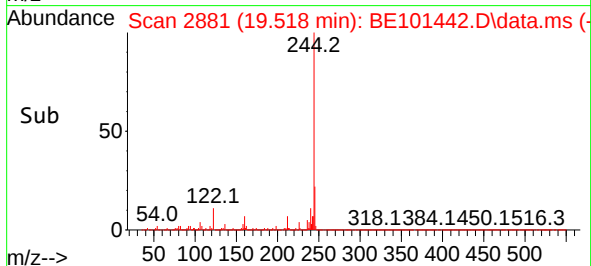
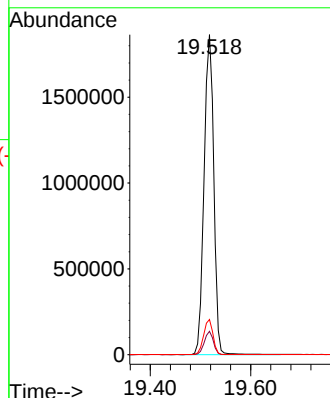
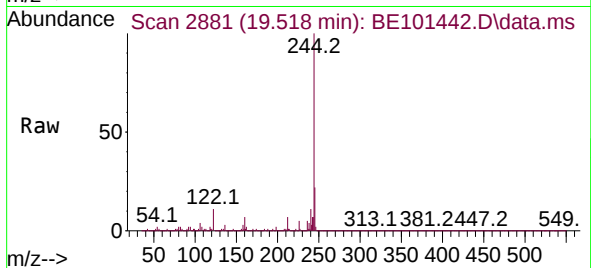
Tgt Ion:244 Resp: 2503604

Ion Ratio Lower Upper

244 100

212 7.3 7.2 10.8

122 11.0 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.384 min Scan# 3539

Delta R.T. 0.020 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

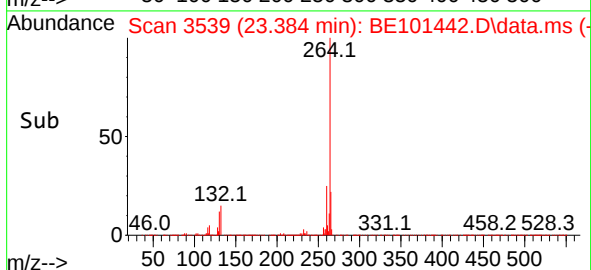
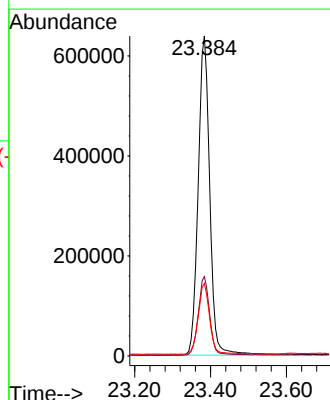
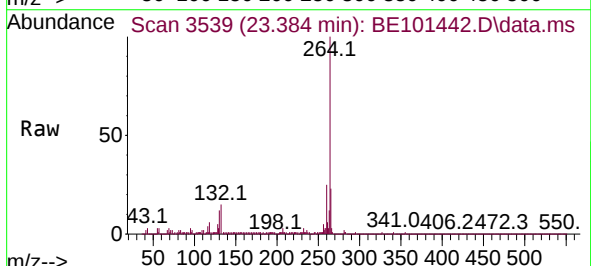
Tgt Ion:264 Resp: 1358300

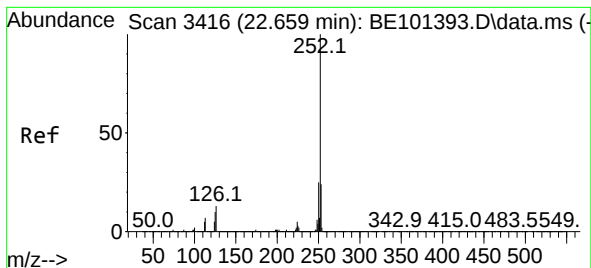
Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

265 22.7 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 2.456 ng

RT: 22.667 min Scan# 3416

Delta R.T. 0.008 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

Instrument :

BNA\_E

ClientSampleId :

PITKIN-COMP

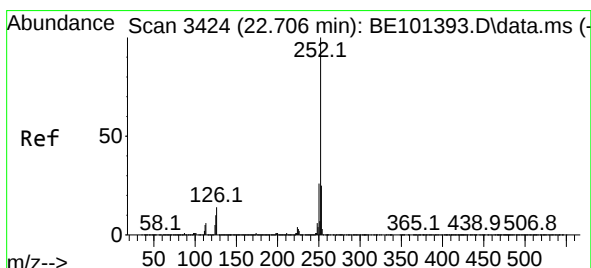
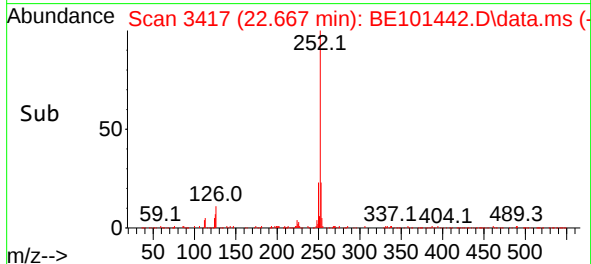
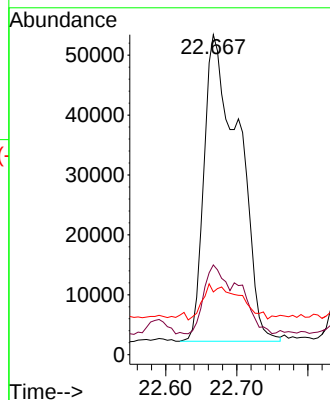
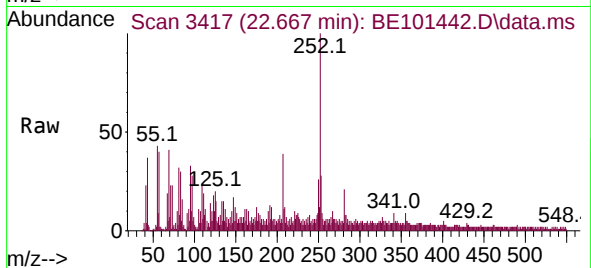
Tgt Ion:252 Resp: 173866

Ion Ratio Lower Upper

252 100

253 28.1 19.0 28.6

125 19.6 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 2.629 ng

RT: 22.667 min Scan# 3417

Delta R.T. -0.039 min

Lab File: BE101442.D

Acq: 31 Oct 2024 20:36

Tgt Ion:252 Resp: 173866

Ion Ratio Lower Upper

252 100

253 28.1 19.4 29.2

125 19.6 8.2 12.2#

