

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103024\  
 Data File : BF140159.D  
 Acq On : 30 Oct 2024 16:00  
 Operator : RC/JU  
 Sample : P4611-16  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Quant Time: Oct 30 16:21:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

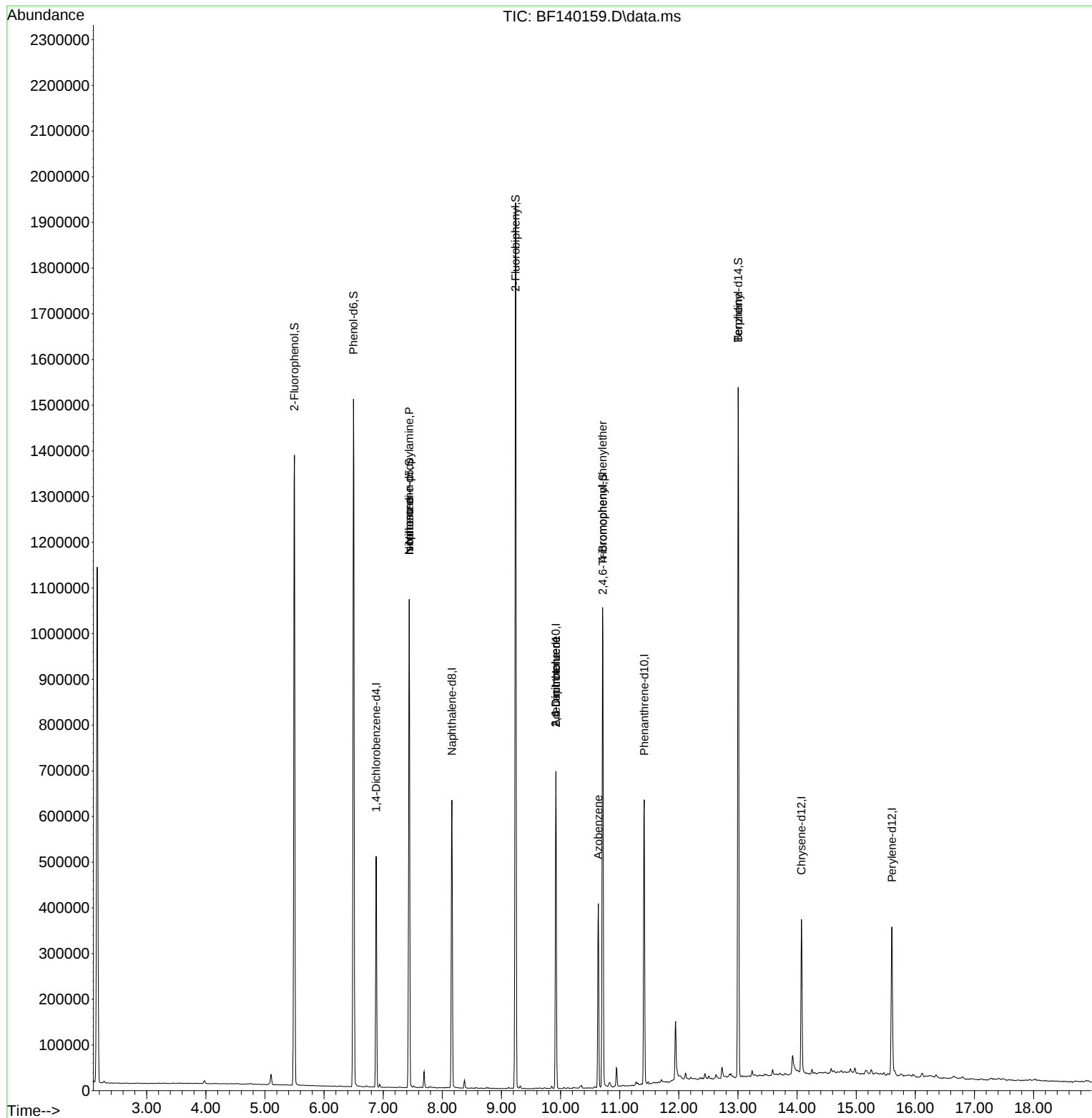
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 97154    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.163  | 136  | 374250   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.922  | 164  | 198763   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 327830   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 157069   | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 15.604 | 264  | 192994   | 20.000 | ng    | 0.08     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 493669   | 79.547 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 672155   | 83.625 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 451392   | 66.848 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 169082   | 90.945 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 841778   | 69.993 | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.004 | 244  | 729850   | 75.717 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 62730    | 12.868 | ng    | # 77     |
| 25) Isophorone                | 7.439  | 82   | 448456   | 34.991 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 25510    | 9.516  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 25510    | 7.739  | ng    | # 21     |
| 63) Azobenzene                | 10.639 | 77   | 100953   | 7.834  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 10984    | 3.252  | ng    | # 1      |
| 77) Benzidine                 | 13.004 | 184  | 9685     | 3.750  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103024\  
Data File : BF140159.D  
Acq On : 30 Oct 2024 16:00  
Operator : RC/JU  
Sample : P4611-16  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

Quant Time: Oct 30 16:21:30 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 15:07:50 2024  
Response via : Initial Calibration

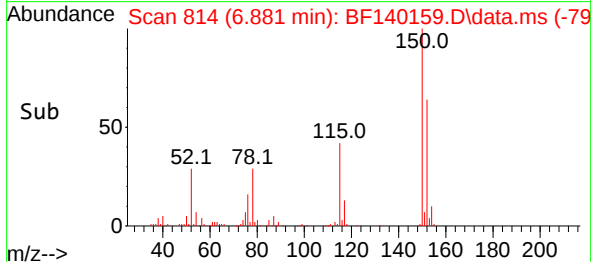
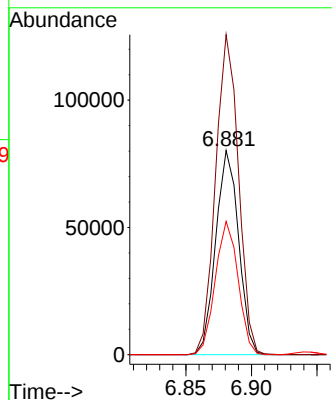
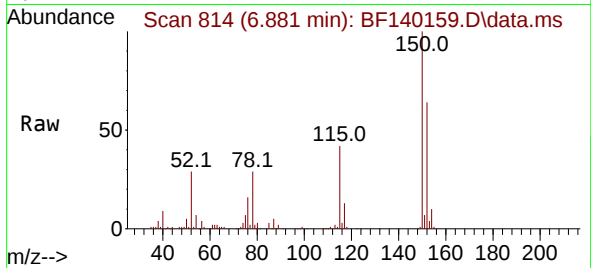




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 816  
Delta R.T. -0.011 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

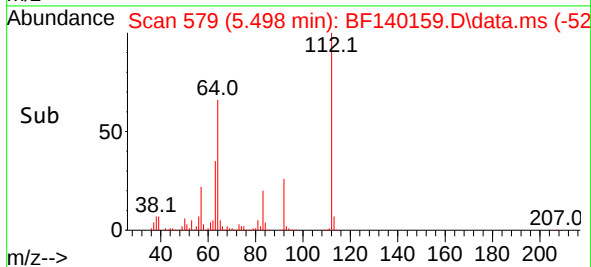
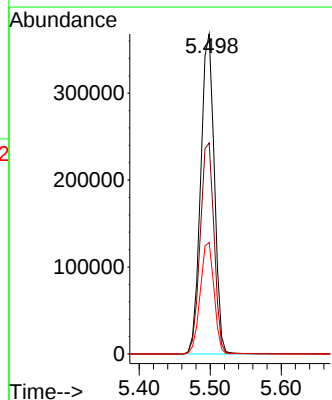
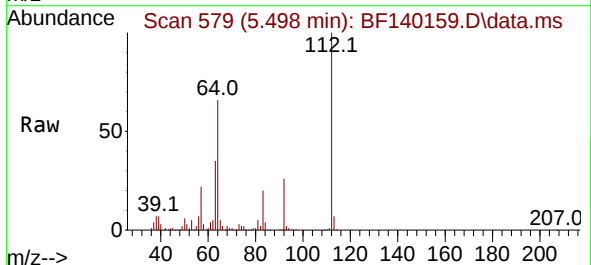
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

Tgt Ion:152 Resp: 97154  
Ion Ratio Lower Upper  
152 100  
150 156.8 130.2 195.2  
115 65.3 51.4 77.2



#5  
2-Fluorophenol  
Concen: 79.547 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion:112 Resp: 493669  
Ion Ratio Lower Upper  
112 100  
64 66.0 53.0 79.6  
63 34.9 27.0 40.4

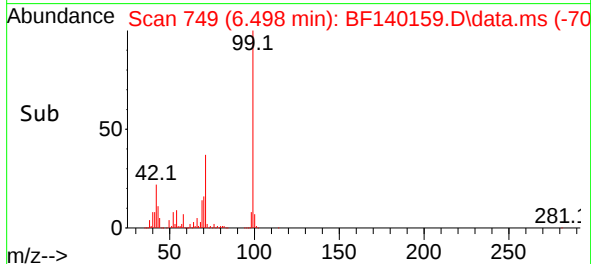
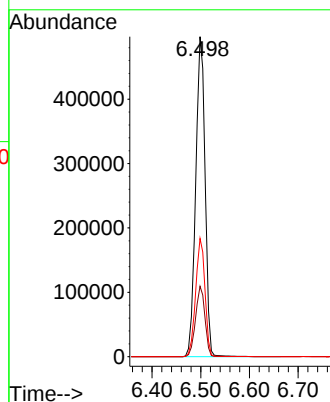
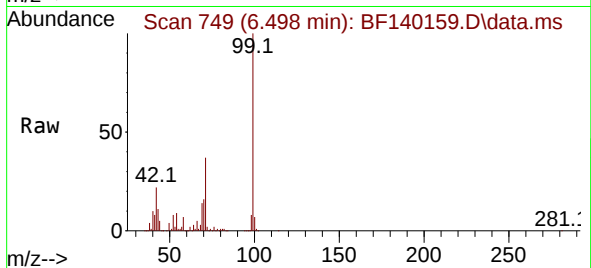




#7  
Phenol-d6  
Concen: 83.625 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

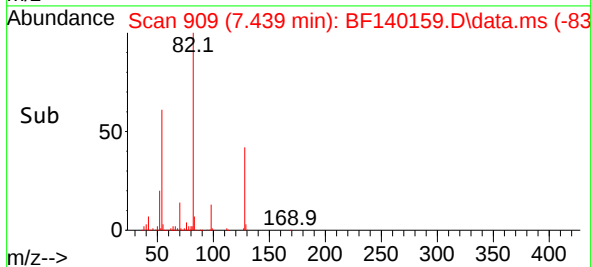
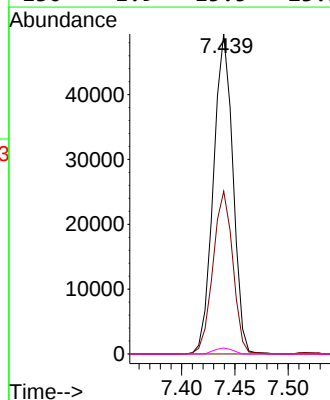
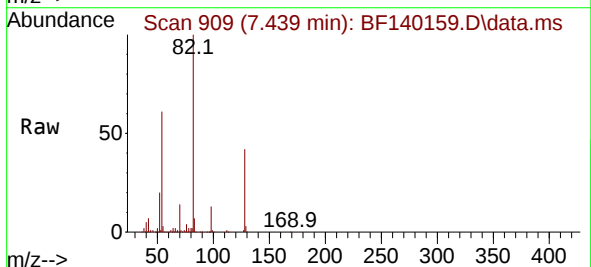
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

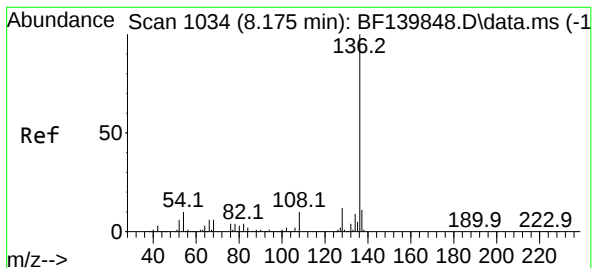
Tgt Ion: 99 Resp: 672155  
Ion Ratio Lower Upper  
99 100  
42 22.0 16.7 25.1  
71 36.9 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.868 ng  
RT: 7.439 min Scan# 909  
Delta R.T. 0.135 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion: 70 Resp: 62730  
Ion Ratio Lower Upper  
70 100  
42 50.8 51.5 77.3#  
101 0.0 7.5 11.3#  
130 1.9 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

Instrument :

BNA\_F

ClientSampleId :

TP-6

Tgt Ion:136 Resp: 374250

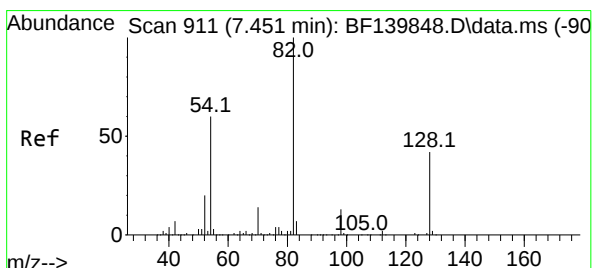
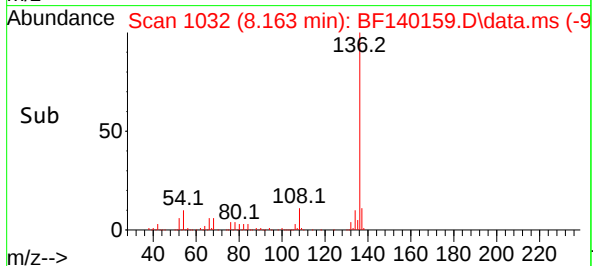
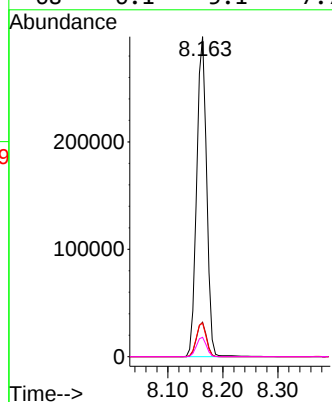
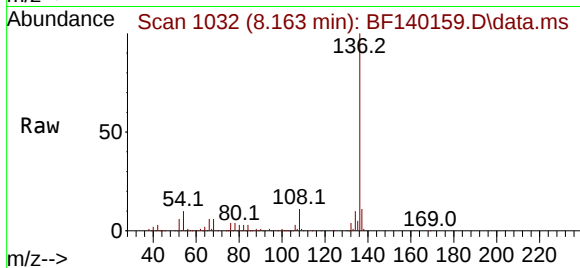
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.4 8.4 12.6

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 66.848 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

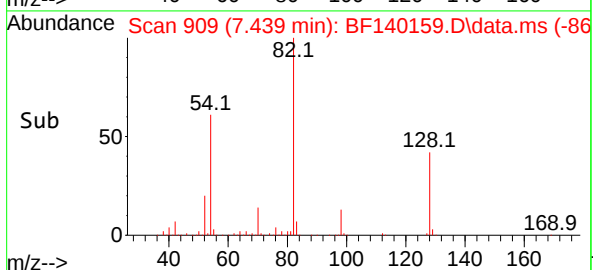
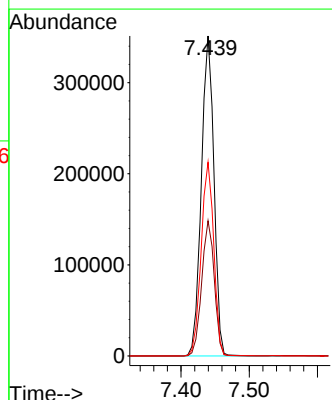
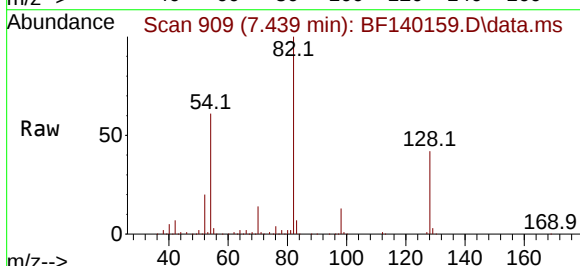
Tgt Ion: 82 Resp: 451392

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.0

54 60.6 47.8 71.8

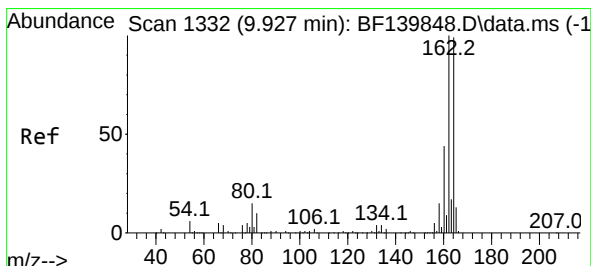
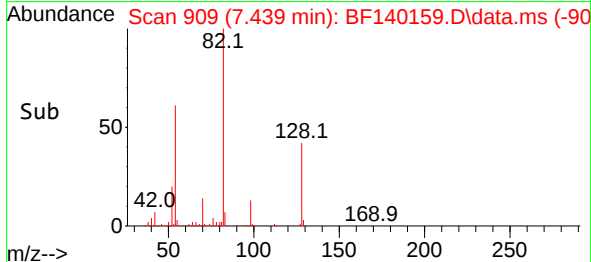
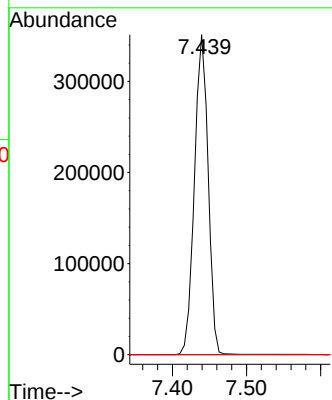
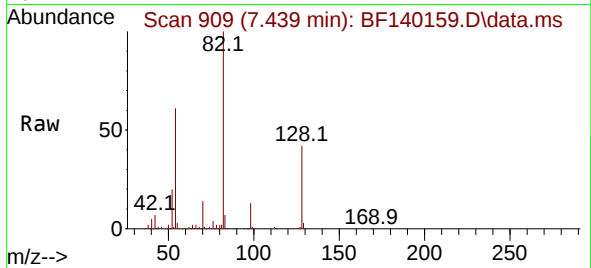




#25  
Isophorone  
Concen: 34.991 ng  
RT: 7.439 min Scan# 909  
Delta R.T. -0.270 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

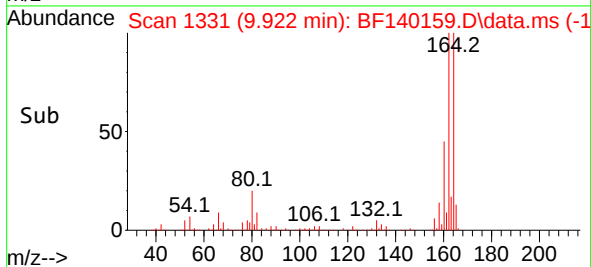
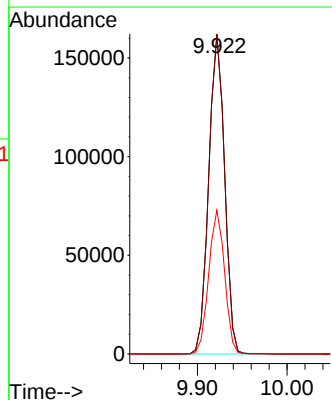
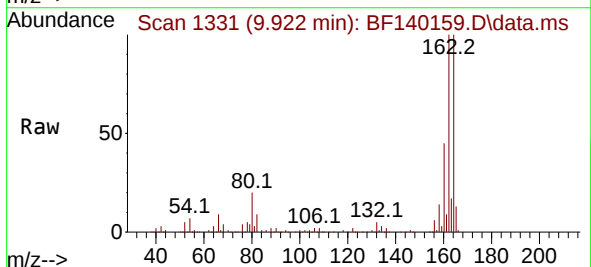
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

Tgt Ion: 82 Resp: 448456  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.2 19.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.005 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion: 164 Resp: 198763  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.0 121.4  
160 45.0 35.4 53.0

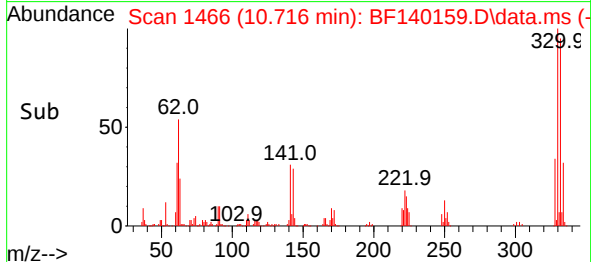
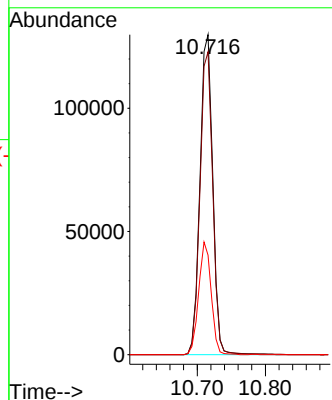
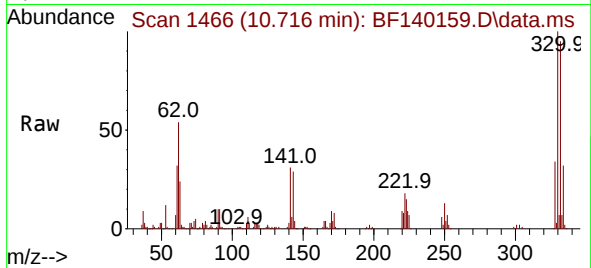




#42  
2,4,6-Tribromophenol  
Concen: 90.945 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. 0.000 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

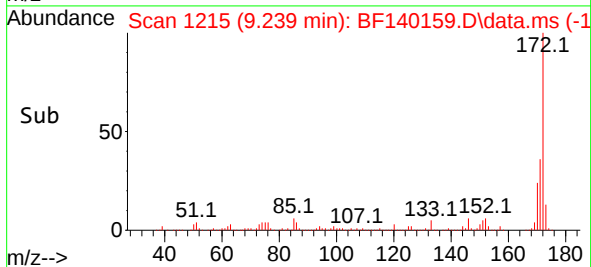
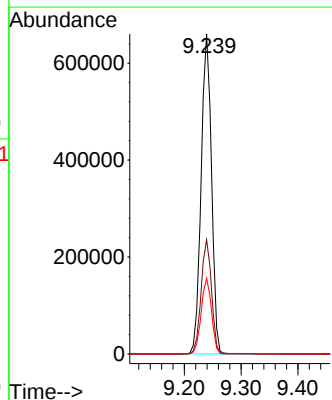
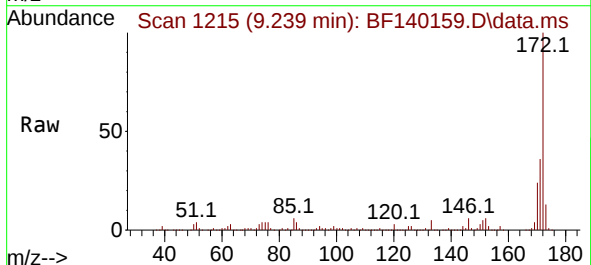
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

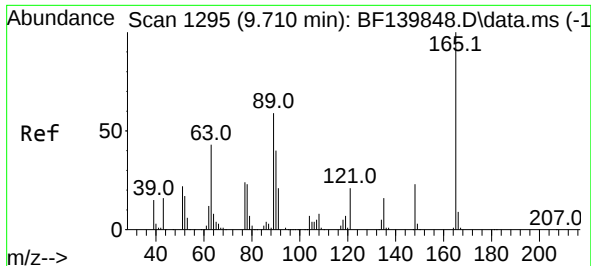
Tgt Ion:330 Resp: 169082  
Ion Ratio Lower Upper  
330 100  
332 94.8 78.1 117.1  
141 34.5 26.6 39.8



#45  
2-Fluorobiphenyl  
Concen: 69.993 ng  
RT: 9.239 min Scan# 1215  
Delta R.T. -0.012 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion:172 Resp: 841778  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.6 43.0  
170 23.7 19.1 28.7

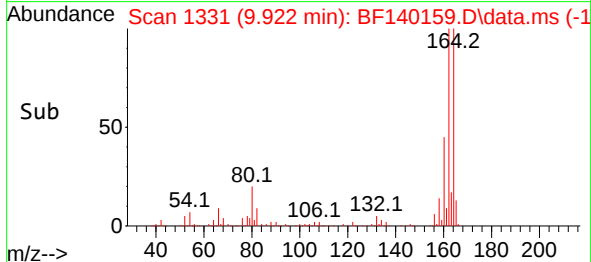
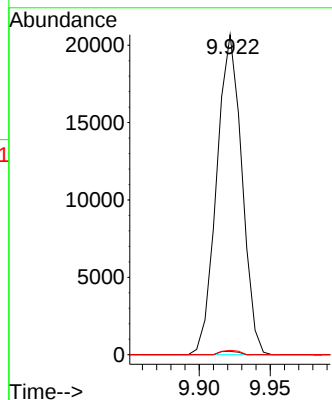
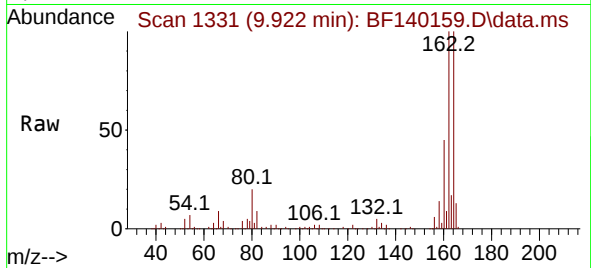




#51  
2,6-Dinitrotoluene  
Concen: 9.516 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. 0.212 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

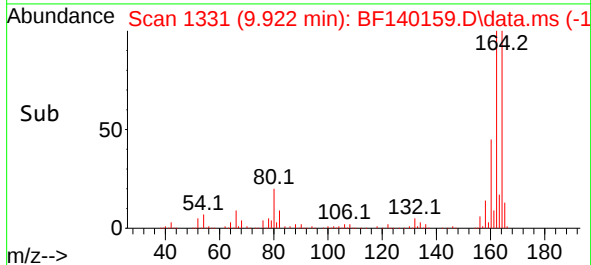
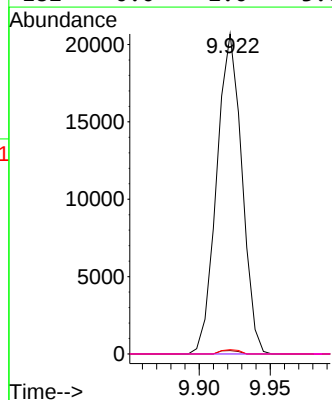
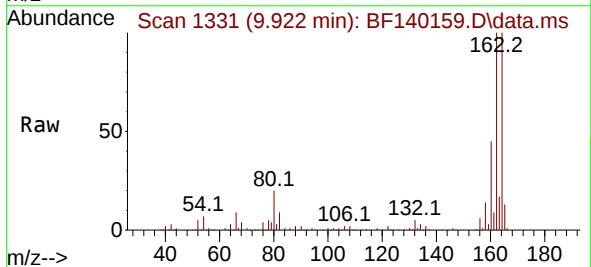
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

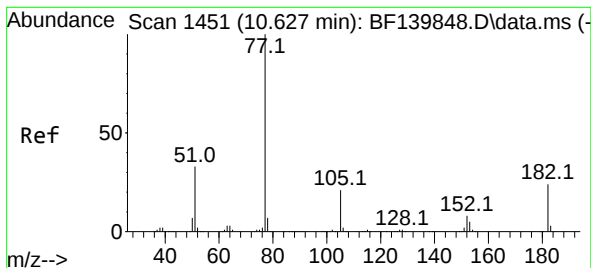
Tgt Ion:165 Resp: 25510  
Ion Ratio Lower Upper  
165 100  
63 1.1 50.6 75.8#  
89 1.4 47.5 71.3#



#57  
2,4-Dinitrotoluene  
Concen: 7.739 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.188 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion:165 Resp: 25510  
Ion Ratio Lower Upper  
165 100  
63 1.1 40.1 60.1#  
89 1.4 60.4 90.6#  
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 7.834 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

Instrument :

BNA\_F

ClientSampleId :

TP-6

Tgt Ion: 77 Resp: 100953

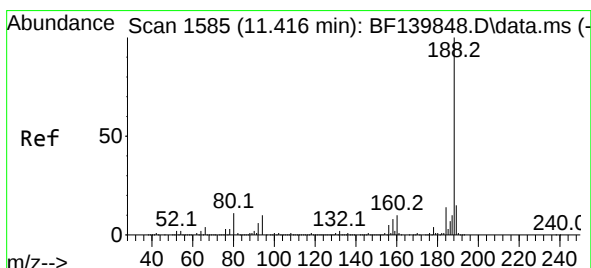
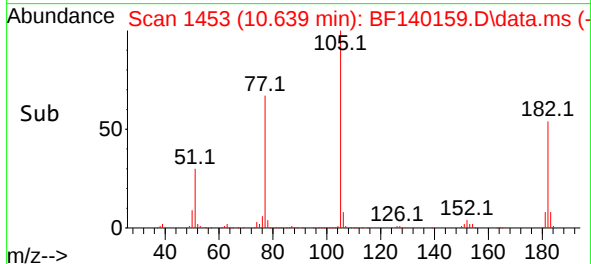
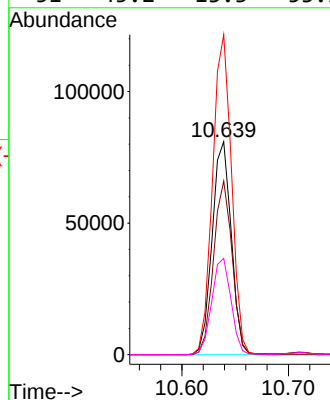
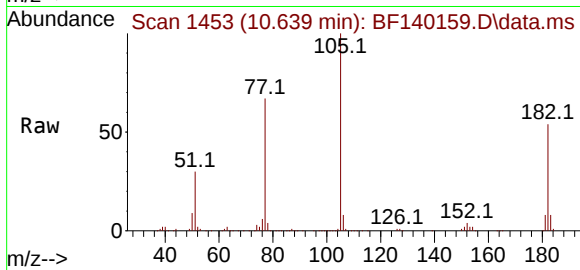
Ion Ratio Lower Upper

77 100

182 81.5 3.3 43.3#

105 150.3 1.2 41.2#

51 45.2 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

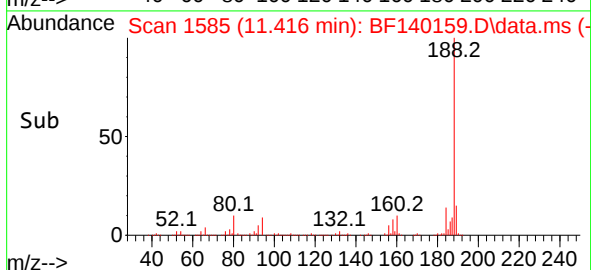
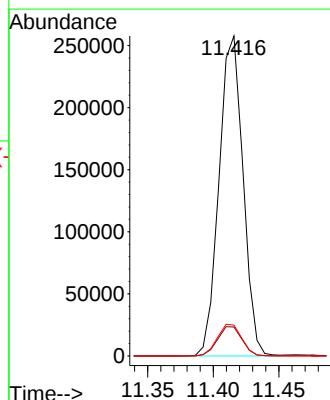
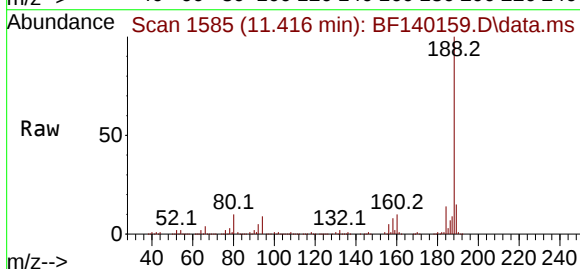
Tgt Ion:188 Resp: 327830

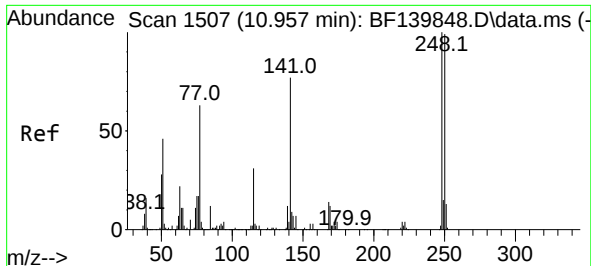
Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

80 9.7 9.0 13.4

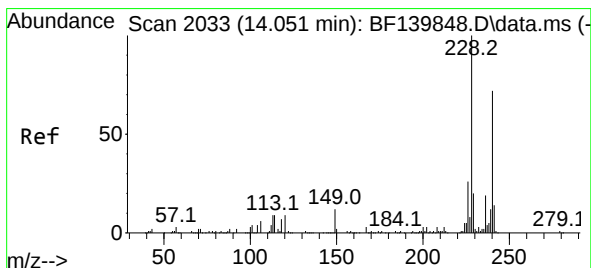
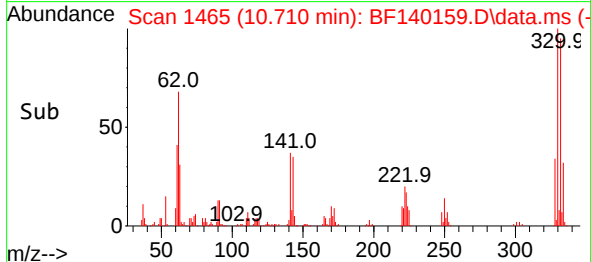
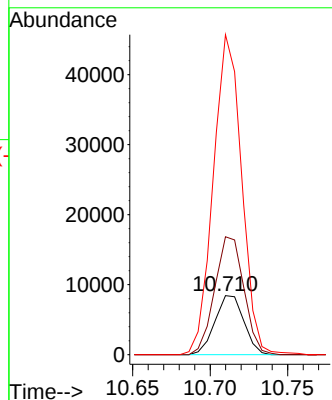
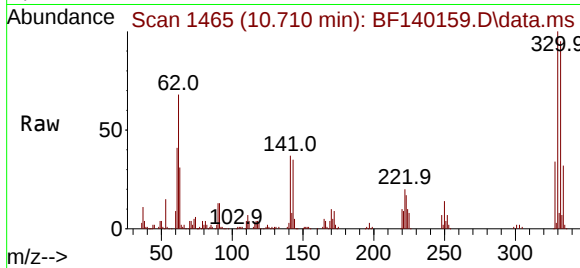




#67  
4-Bromophenyl-phenylether  
Concen: 3.252 ng  
RT: 10.710 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

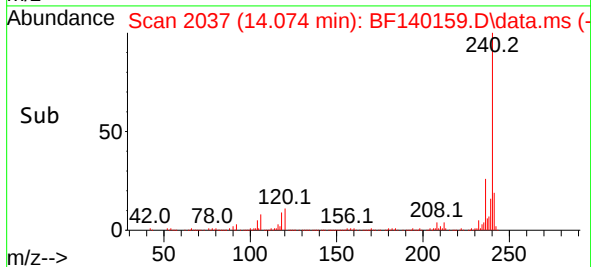
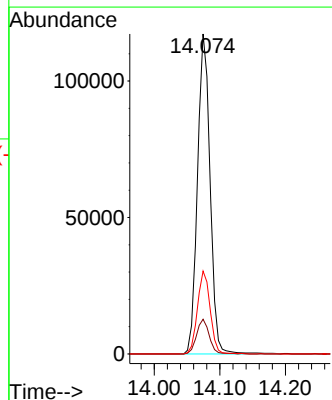
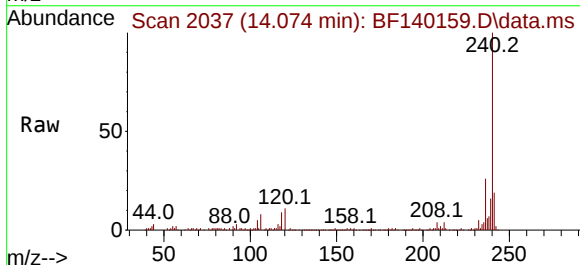
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

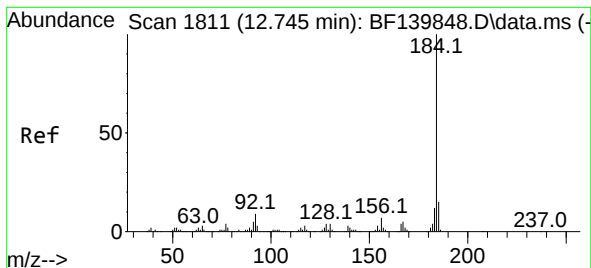
Tgt Ion:248 Resp: 10984  
Ion Ratio Lower Upper  
248 100  
250 199.4 79.0 118.6#  
141 541.4 61.7 92.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.074 min Scan# 2037  
Delta R.T. 0.024 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Tgt Ion:240 Resp: 157069  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.4 14.2  
236 25.9 20.9 31.3





#77

Benzidine

Concen: 3.750 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.259 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

Instrument :

BNA\_F

ClientSampleId :

TP-6

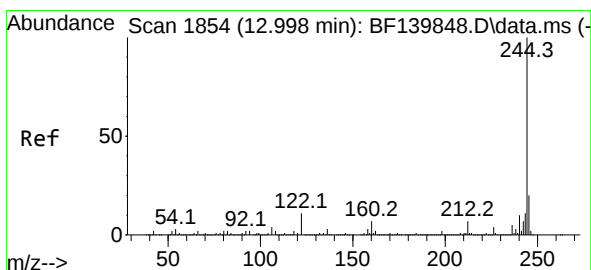
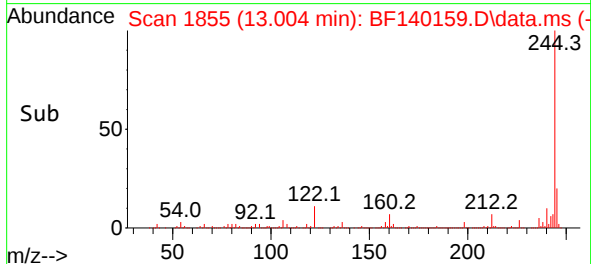
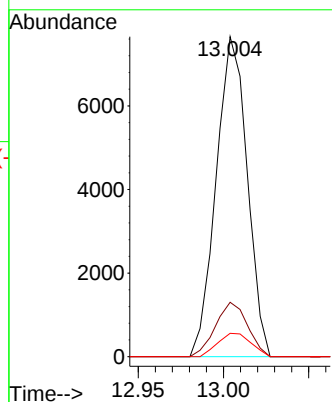
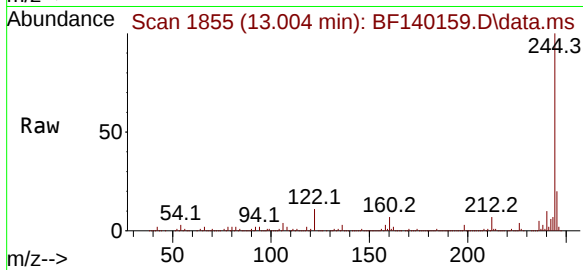
Tgt Ion:184 Resp: 9685

Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 7.3 9.4 14.2#



#79

Terphenyl-d14

Concen: 75.717 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF140159.D

Acq: 30 Oct 2024 16:00

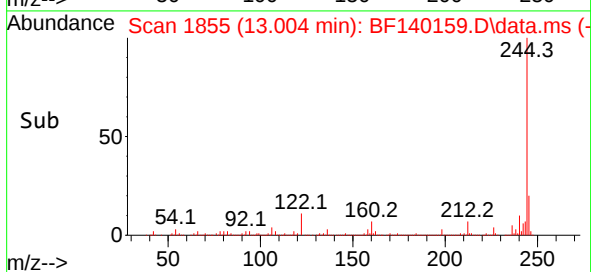
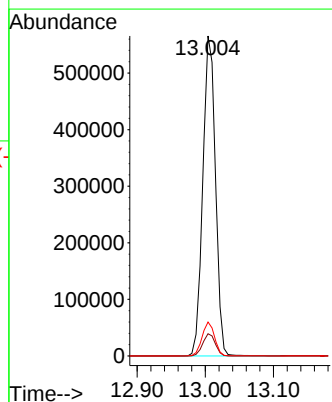
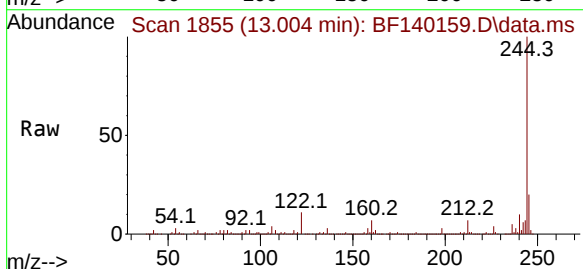
Tgt Ion:244 Resp: 729850

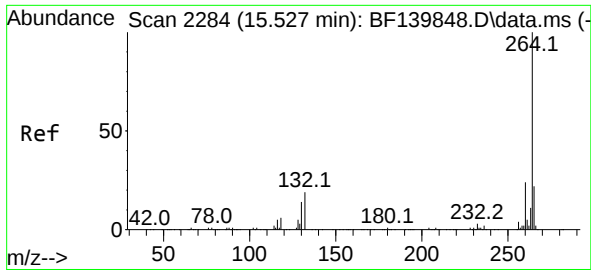
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.6 8.6 13.0





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.604 min Scan# 21  
Delta R.T. 0.077 min  
Lab File: BF140159.D  
Acq: 30 Oct 2024 16:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

Tgt Ion:264 Resp: 192994  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.4  | 29.2  |
| 265 | 21.0  | 17.4  | 26.0  |

