

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100424\  
 Data File : BF139645.D  
 Acq On : 04 Oct 2024 09:29  
 Operator : RC/JU  
 Sample : PB163883BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163883BL

Quant Time: Oct 04 20:37:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

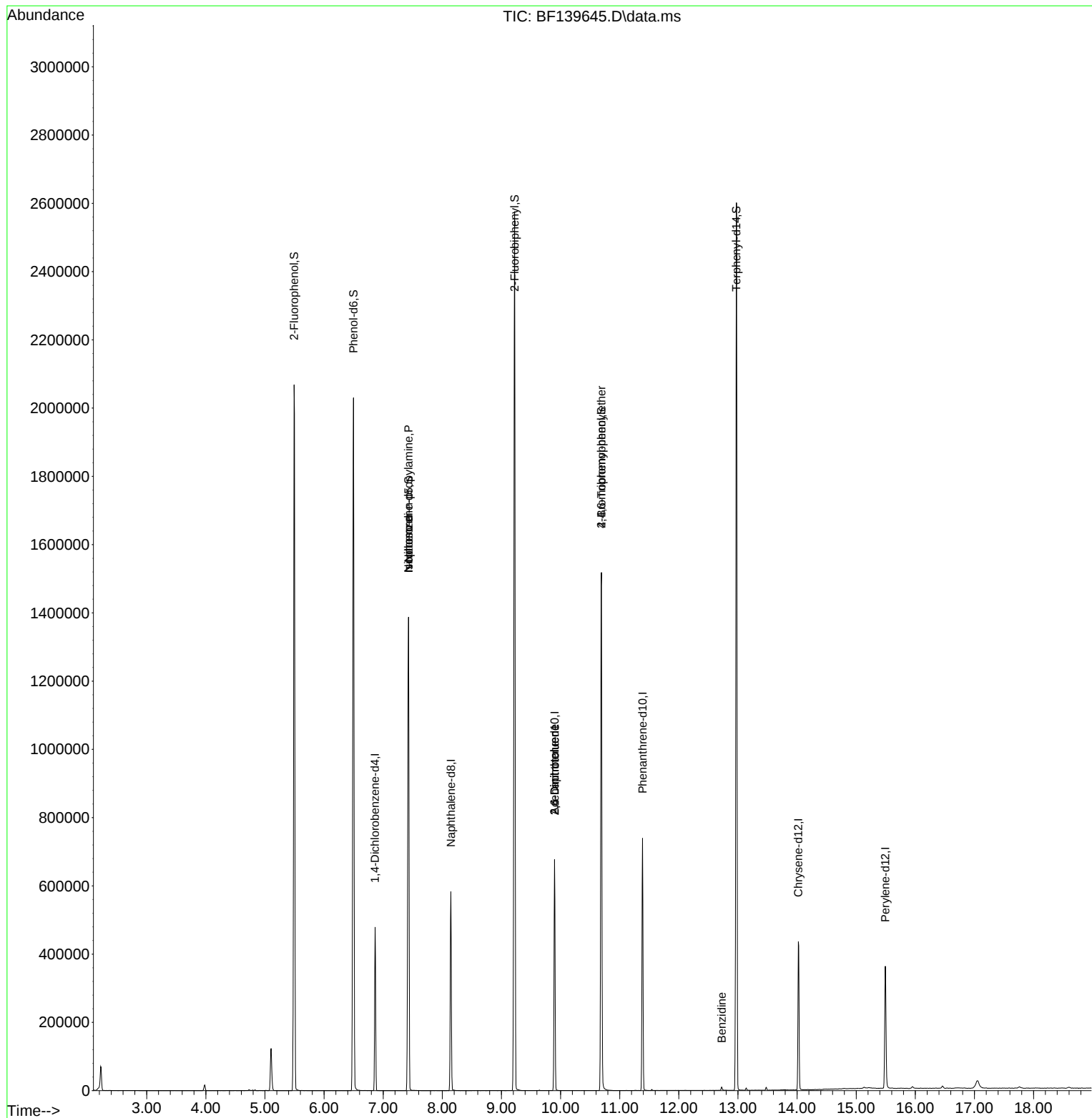
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 93658    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 358600   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 200684   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 382052   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 212702   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 210145   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 737657   | 136.512 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 973398   | 133.953 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 639567   | 90.300  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 251010   | 129.568 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1178897  | 90.183  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1285285  | 99.150  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 86954    | 18.612  | ng    | # 78     |
| 25) Isophorone                | 7.428  | 82   | 634326   | 50.424  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 25085    | 8.453   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 25085    | 6.467   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 17144    | 4.377   | ng    | # 1      |
| 77) Benzydine                 | 12.727 | 184  | 8813     | 2.349   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

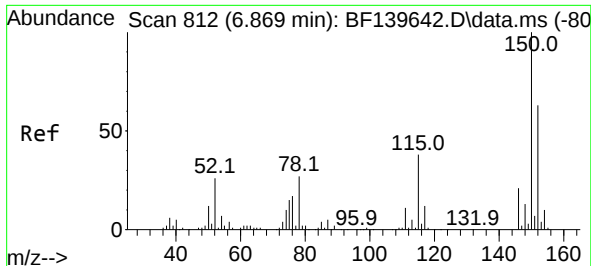
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100424\  
Data File : BF139645.D  
Acq On : 04 Oct 2024 09:29  
Operator : RC/JU  
Sample : PB163883BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

Quant Time: Oct 04 20:37:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 02 04:58:47 2024  
Response via : Initial Calibration

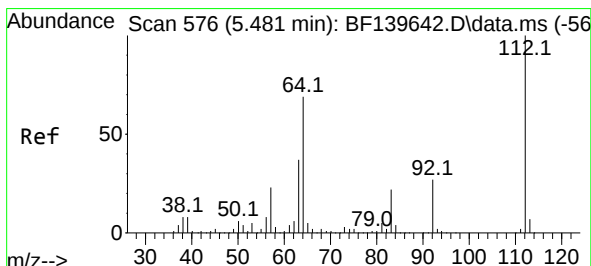
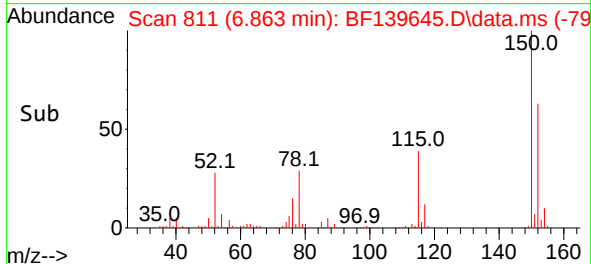
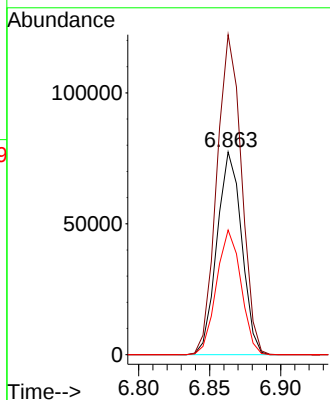
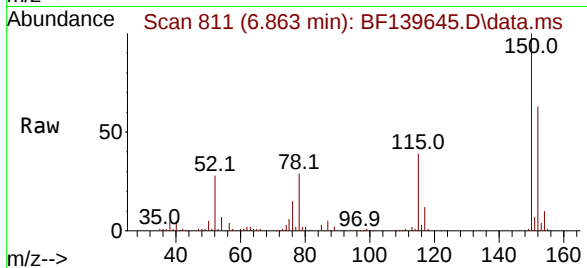




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

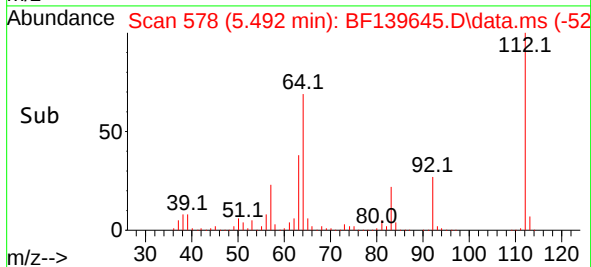
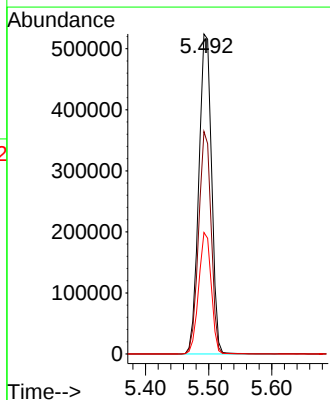
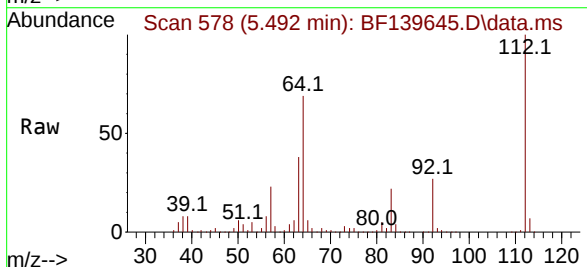
Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

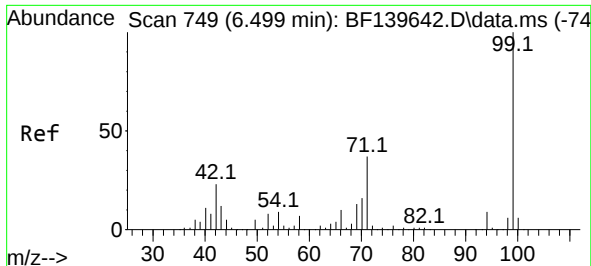
Tgt Ion:152 Resp: 93658  
Ion Ratio Lower Upper  
152 100  
150 157.9 127.2 190.8  
115 61.5 49.0 73.4



#5  
2-Fluorophenol  
Concen: 136.512 ng  
RT: 5.492 min Scan# 578  
Delta R.T. 0.005 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

Tgt Ion:112 Resp: 737657  
Ion Ratio Lower Upper  
112 100  
64 69.5 54.2 81.4  
63 38.0 29.4 44.2

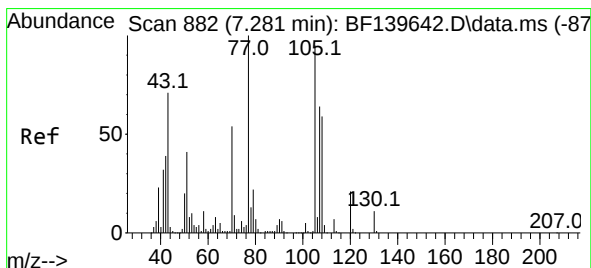
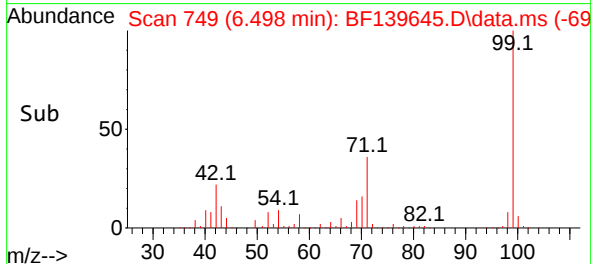
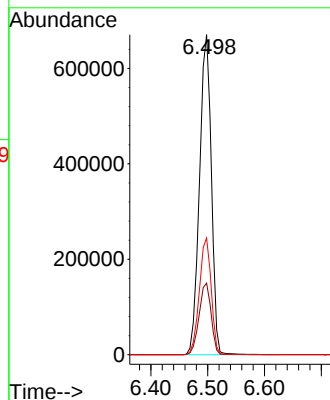
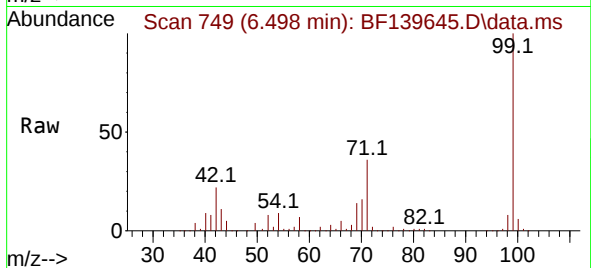




#7  
Phenol-d6  
Concen: 133.953 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

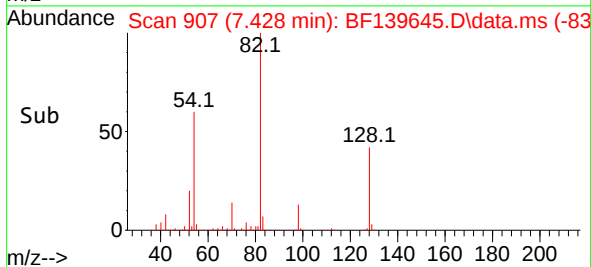
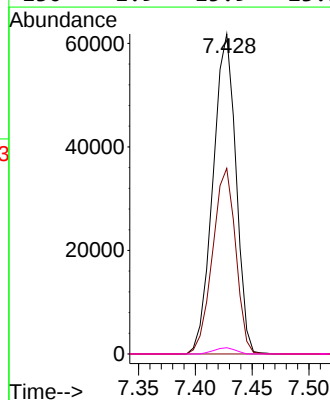
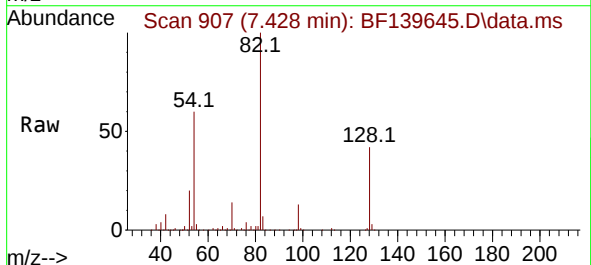
Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

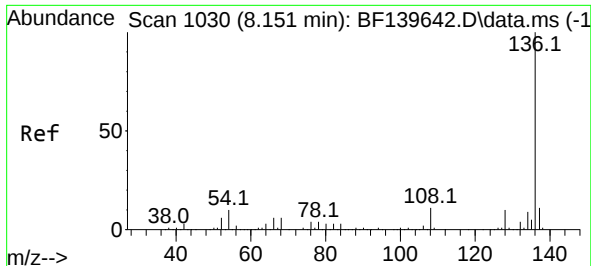
Tgt Ion: 99 Resp: 973398  
Ion Ratio Lower Upper  
99 100  
42 22.4 19.1 28.7  
71 36.4 29.7 44.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.612 ng  
RT: 7.428 min Scan# 907  
Delta R.T. 0.141 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

Tgt Ion: 70 Resp: 86954  
Ion Ratio Lower Upper  
70 100  
42 58.0 58.0 87.0#  
101 0.0 7.8 11.8#  
130 1.9 15.9 23.9#

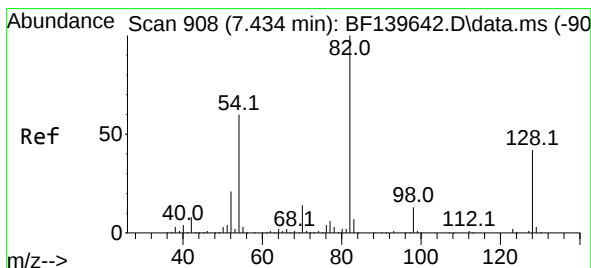
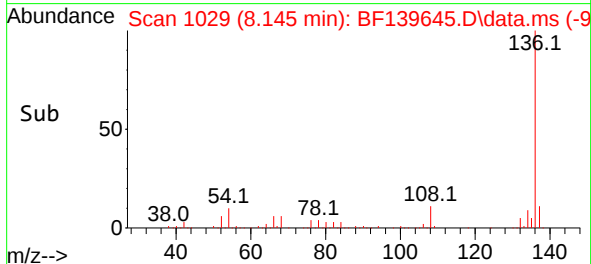
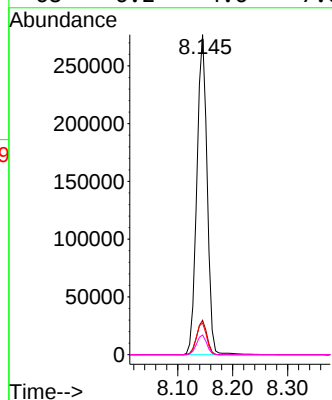
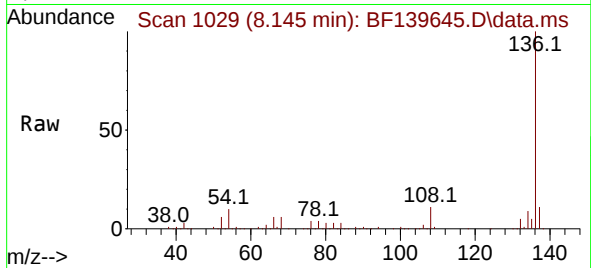




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

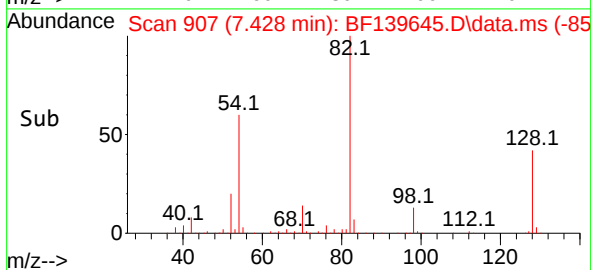
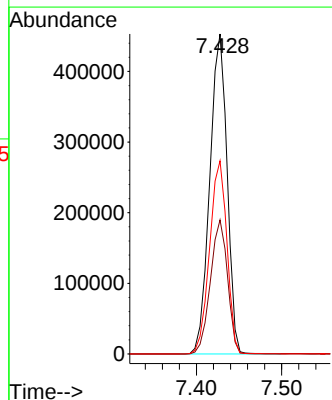
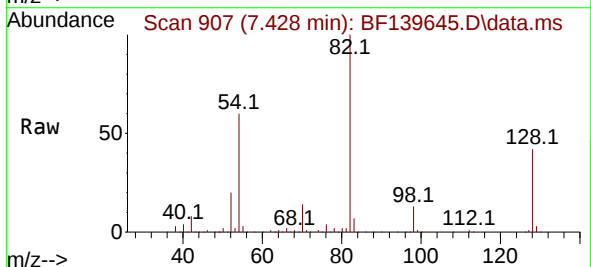
Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

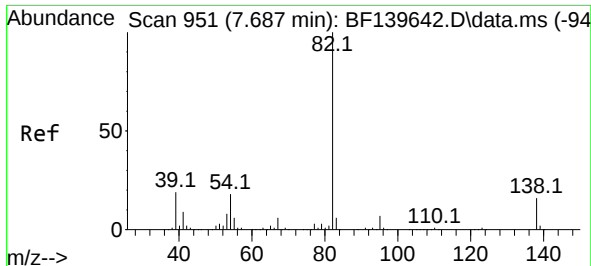
Tgt Ion:136 Resp: 358600  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 9.9 8.3 12.5  
68 6.2 4.6 7.0



#23  
Nitrobenzene-d5  
Concen: 90.300 ng  
RT: 7.428 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

Tgt Ion: 82 Resp: 639567  
Ion Ratio Lower Upper  
82 100  
128 41.9 32.4 48.6  
54 60.3 49.1 73.7

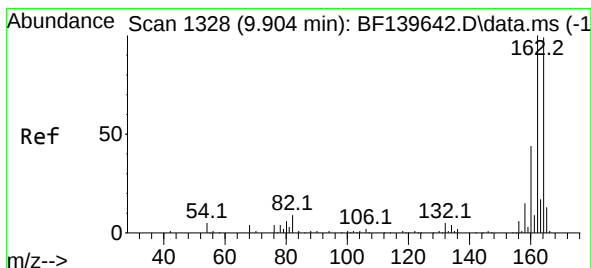
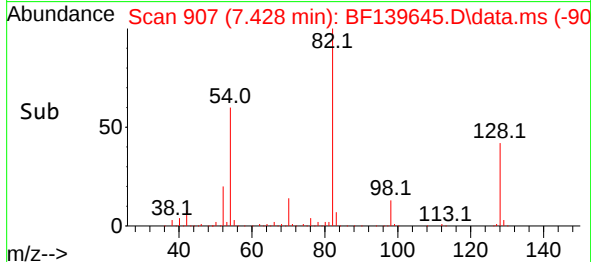
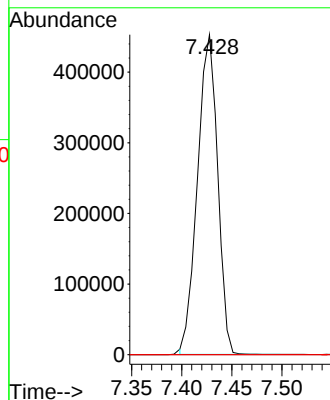
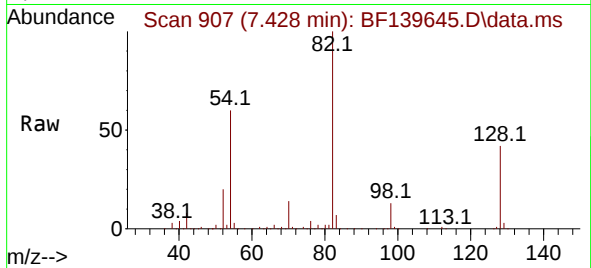




#25  
Isophorone  
Concen: 50.424 ng  
RT: 7.428 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

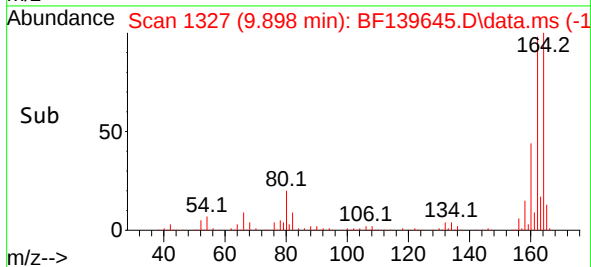
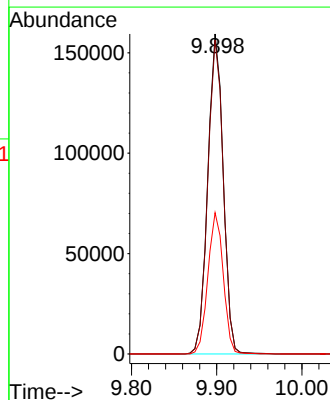
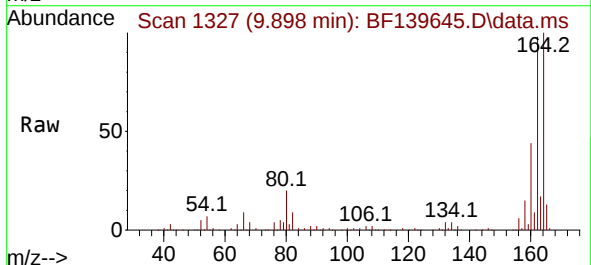
Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

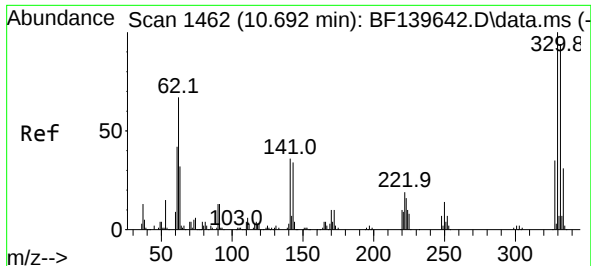
Tgt Ion: 82 Resp: 634326  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.012 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

Tgt Ion:164 Resp: 200684  
Ion Ratio Lower Upper  
164 100  
162 98.1 79.4 119.0  
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.568 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139645.D

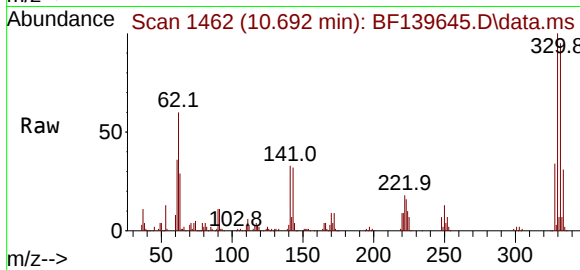
Acq: 04 Oct 2024 09:29

Instrument :

BNA\_F

ClientSampleId :

PB163883BL



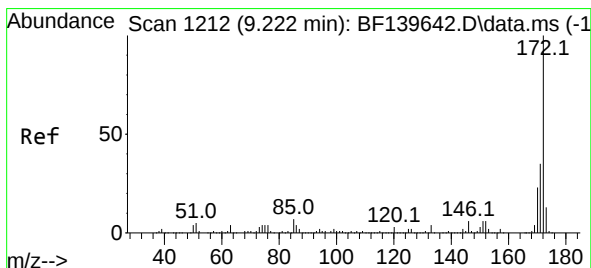
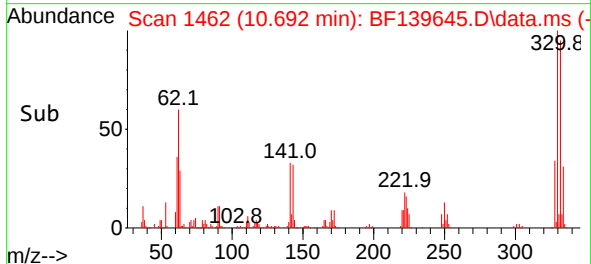
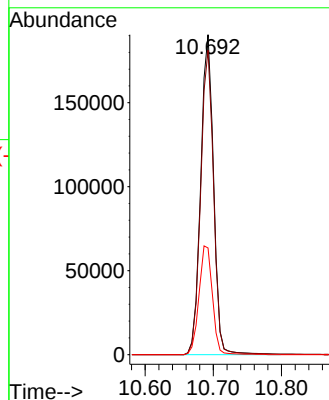
Tgt Ion:330 Resp: 251010

Ion Ratio Lower Upper

330 100

332 95.4 76.5 114.7

141 35.4 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 90.183 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139645.D

Acq: 04 Oct 2024 09:29

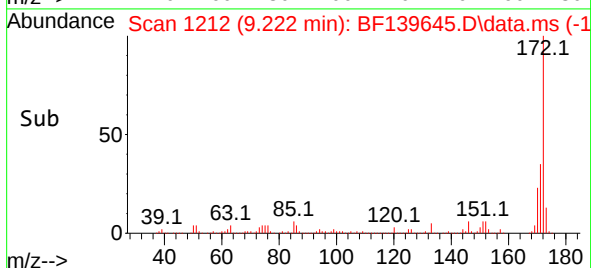
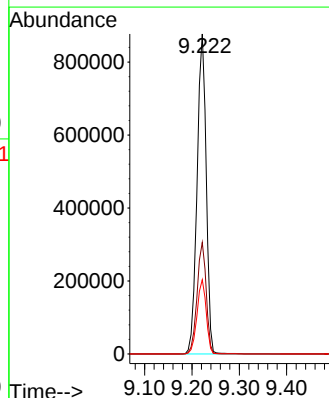
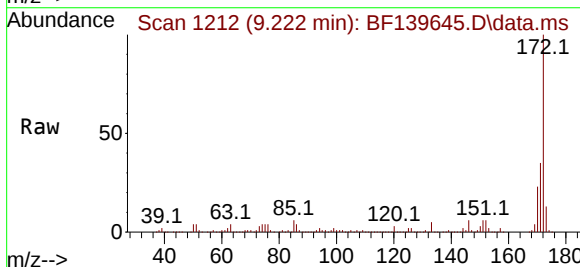
Tgt Ion:172 Resp: 1178897

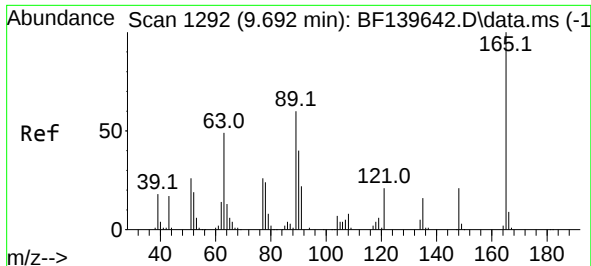
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.2 18.8 28.2

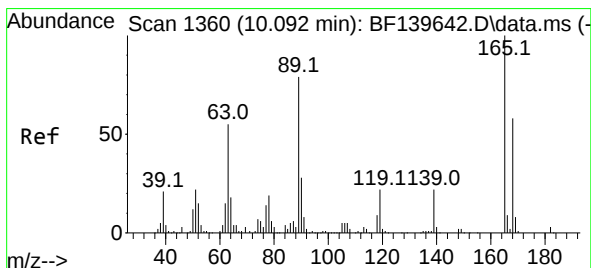
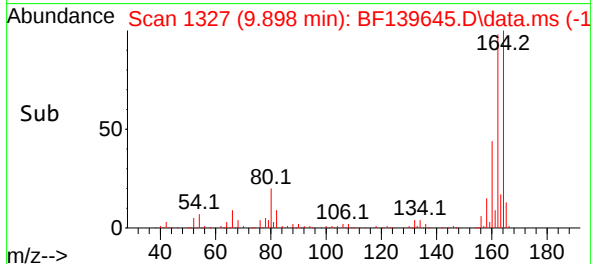
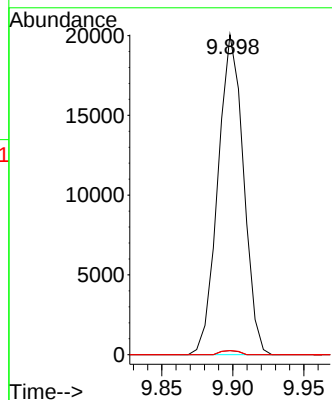
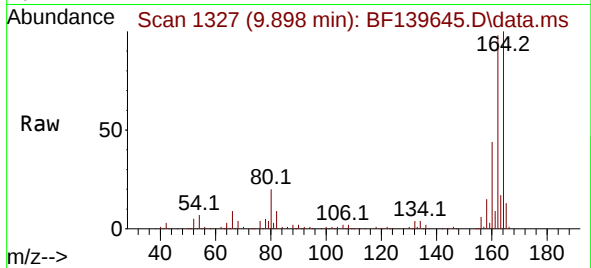




#51  
2,6-Dinitrotoluene  
Concen: 8.453 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

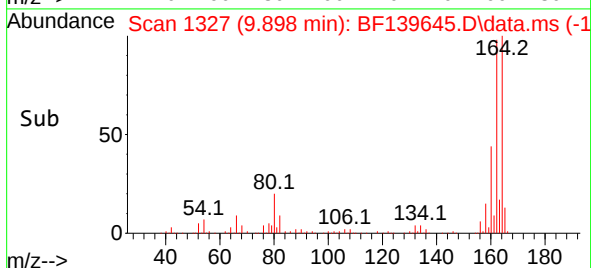
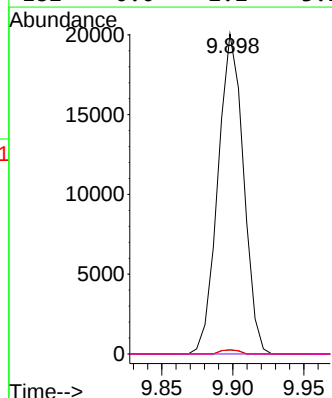
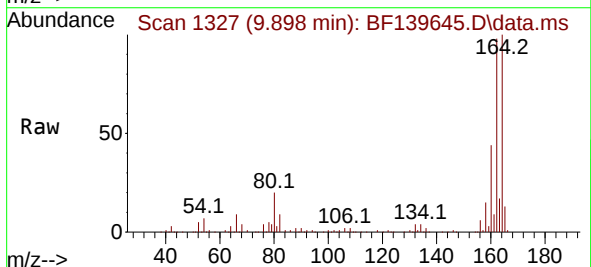
Instrument :  
BNA\_F  
ClientSampleId :  
PB163883BL

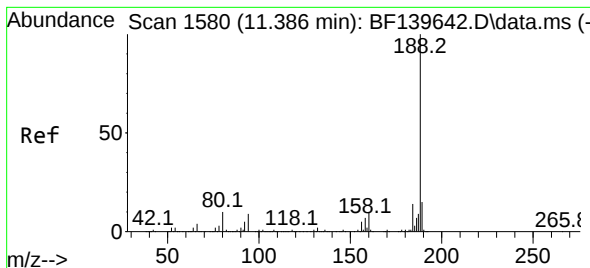
Tgt Ion:165 Resp: 25085  
Ion Ratio Lower Upper  
165 100  
63 1.3 56.7 85.1#  
89 1.3 51.6 77.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.467 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.200 min  
Lab File: BF139645.D  
Acq: 04 Oct 2024 09:29

Tgt Ion:165 Resp: 25085  
Ion Ratio Lower Upper  
165 100  
63 1.3 46.9 70.3#  
89 1.3 64.4 96.6#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139645.D

Acq: 04 Oct 2024 09:29

Instrument :

BNA\_F

ClientSampleId :

PB163883BL

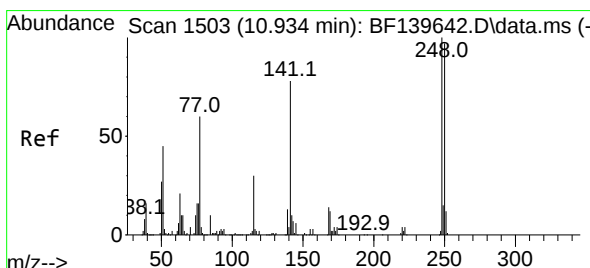
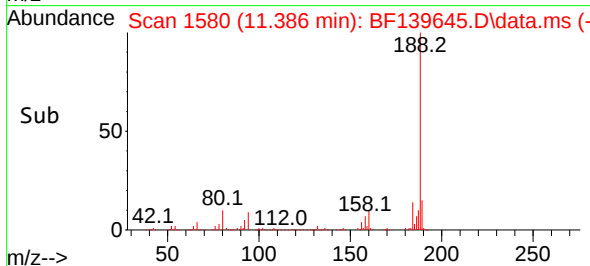
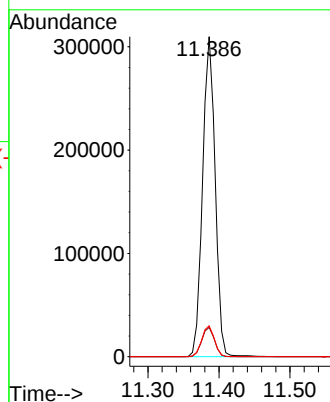
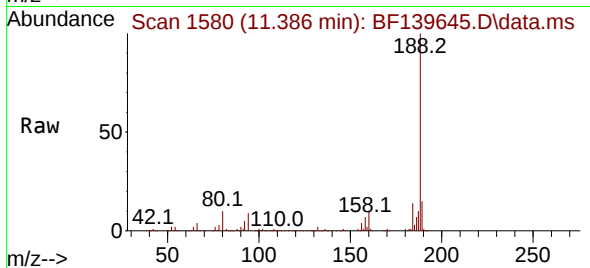
Tgt Ion:188 Resp: 382052

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.6 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 4.377 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139645.D

Acq: 04 Oct 2024 09:29

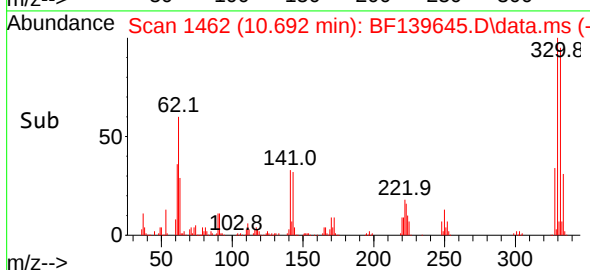
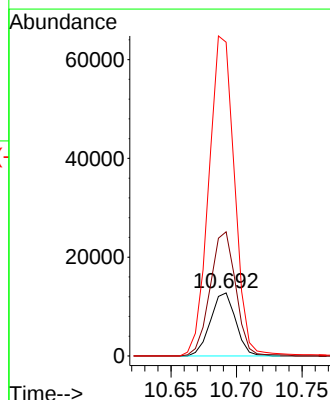
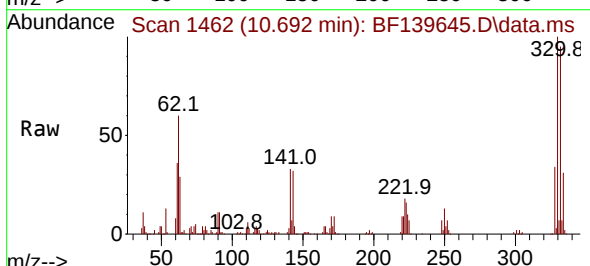
Tgt Ion:248 Resp: 17144

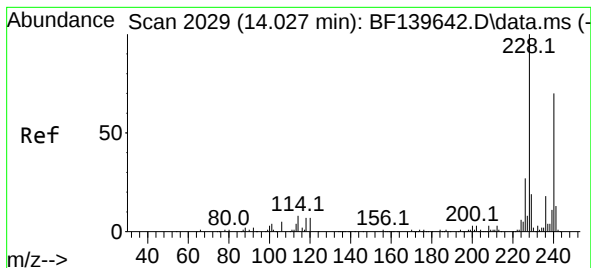
Ion Ratio Lower Upper

248 100

250 196.8 77.1 115.7#

141 497.4 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139645.D

Acq: 04 Oct 2024 09:29

Instrument :

BNA\_F

ClientSampleId :

PB163883BL

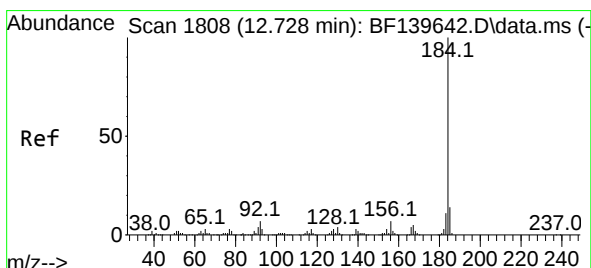
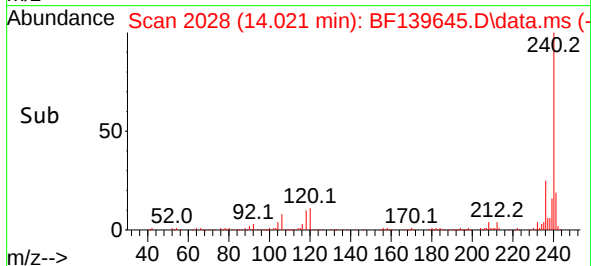
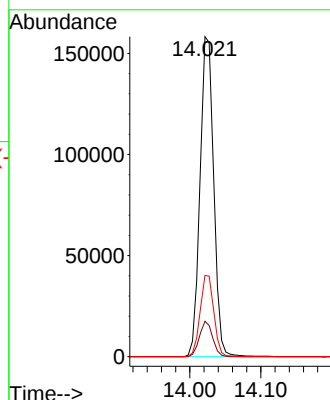
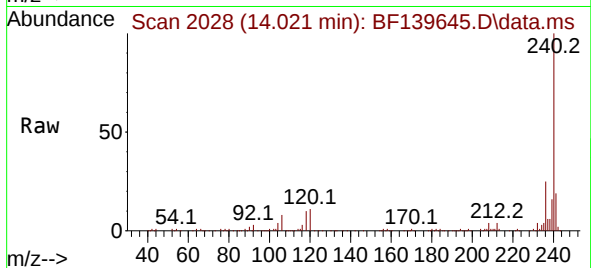
Tgt Ion:240 Resp: 212702

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

236 25.4 20.3 30.5



#77

Benzdine

Concen: 2.349 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.000 min

Lab File: BF139645.D

Acq: 04 Oct 2024 09:29

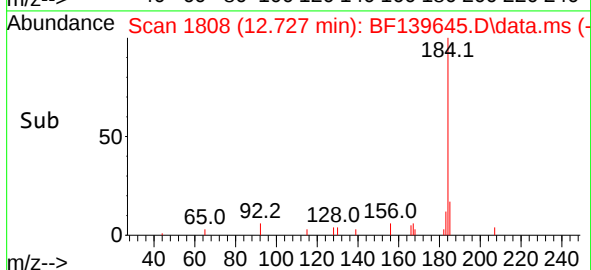
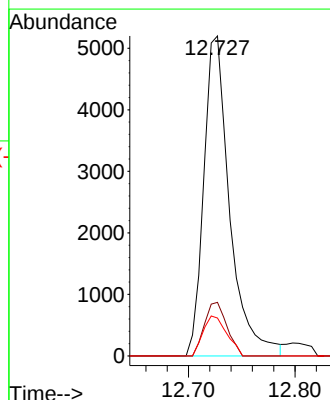
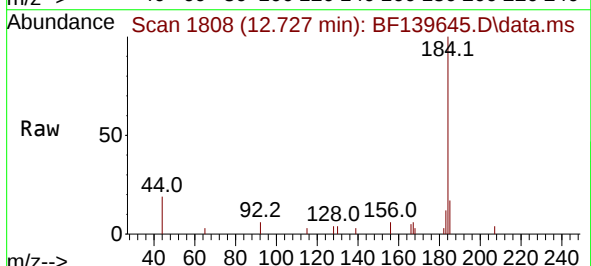
Tgt Ion:184 Resp: 8813

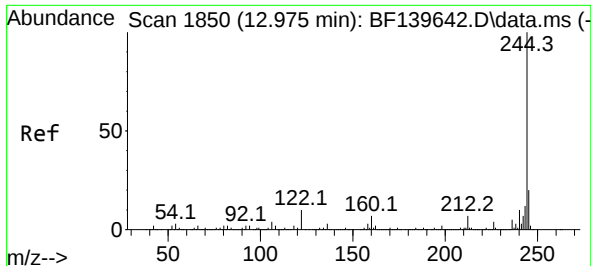
Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.0

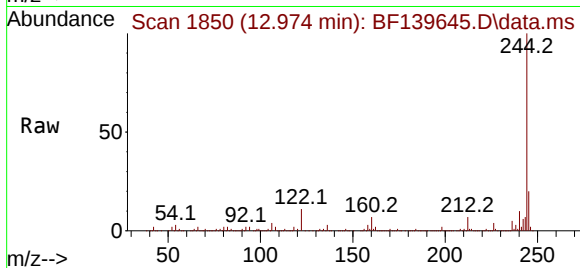
183 11.8 8.8 13.2





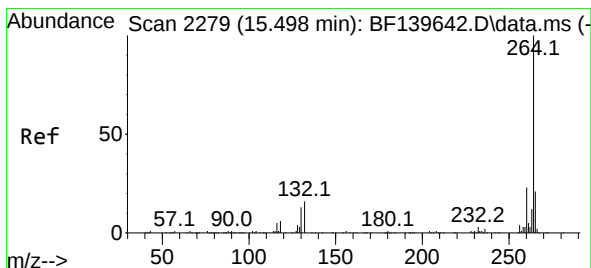
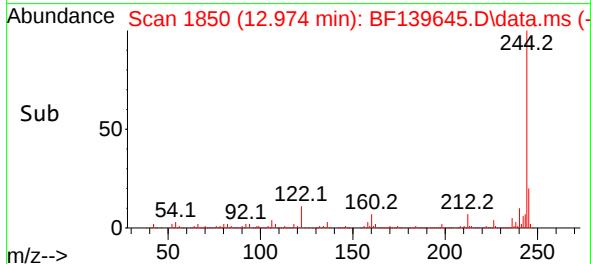
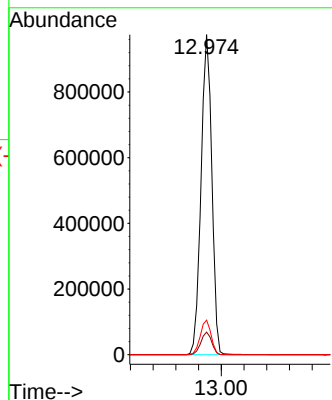
#79  
 Terphenyl-d14  
 Concen: 99.150 ng  
 RT: 12.974 min Scan# 1850  
 Delta R.T. -0.006 min  
 Lab File: BF139645.D  
 Acq: 04 Oct 2024 09:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163883BL



Tgt Ion:244 Resp: 1285285  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.8   | 8.6   |
| 122 | 10.8  | 8.6   | 12.8  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.492 min Scan# 2278  
 Delta R.T. -0.012 min  
 Lab File: BF139645.D  
 Acq: 04 Oct 2024 09:29

Tgt Ion:264 Resp: 210145  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.7  | 28.1  |
| 265 | 21.5  | 16.9  | 25.3  |

