

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140066.D  
 Acq On : 26 Oct 2024 18:12  
 Operator : RC/JU  
 Sample : P4508-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3

Quant Time: Oct 28 01:09:33 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

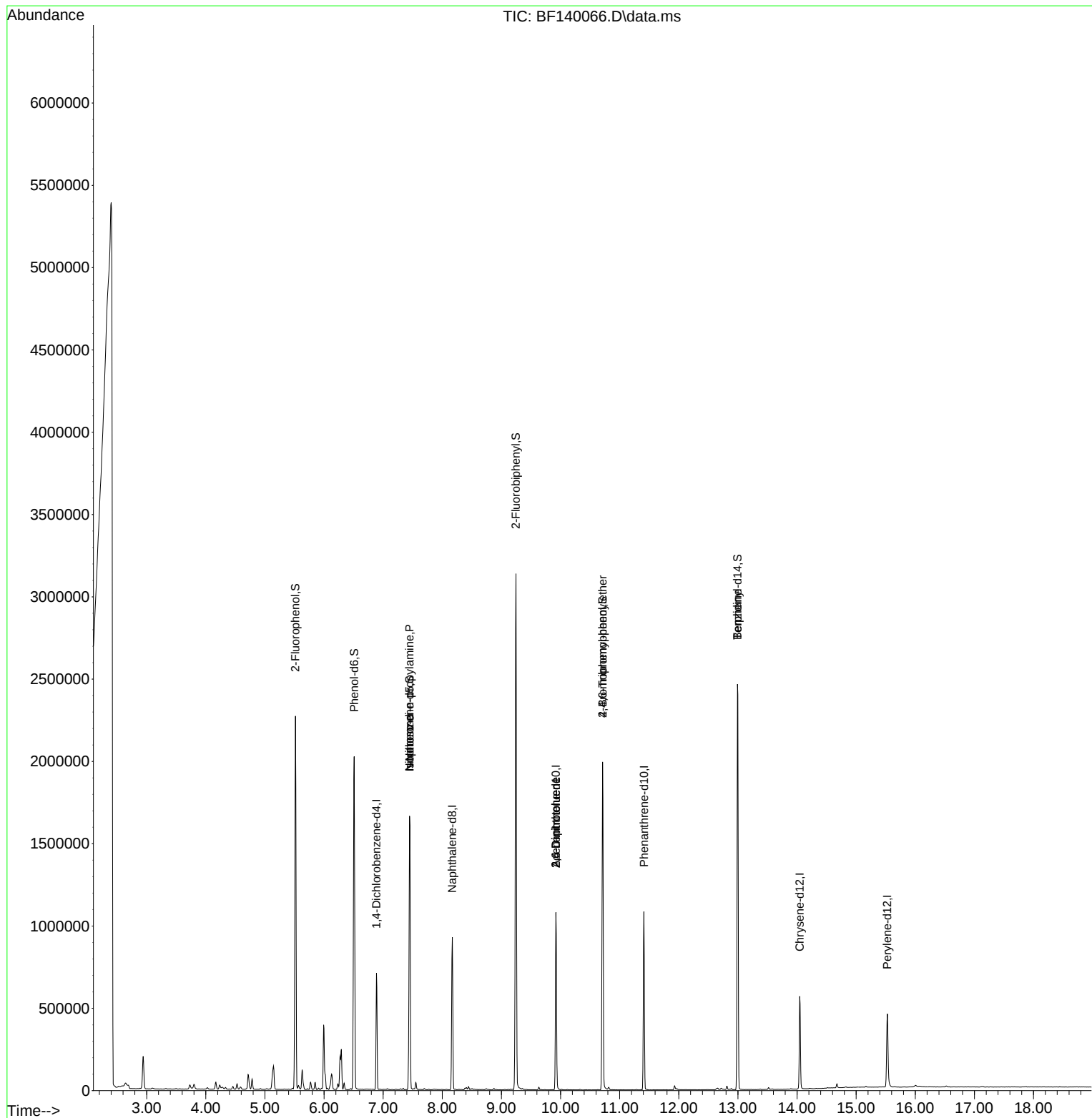
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 144092   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 564473   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 326209   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 557096   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 274861   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 292959   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 855271   | 92.921  | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 1006405  | 84.423  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 796663   | 78.222  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 365874   | 119.909 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1475168  | 74.738  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1280821  | 75.932  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 106630   | 14.748  | ng    | # 78     |
| 25) Isophorone                | 7.445  | 82   | 791519   | 40.946  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 42229    | 9.599   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 42230    | 7.806   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 21878    | 3.812   | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 15624    | 3.457   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
Data File : BF140066.D  
Acq On : 26 Oct 2024 18:12  
Operator : RC/JU  
Sample : P4508-04  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

Quant Time: Oct 28 01:09:33 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

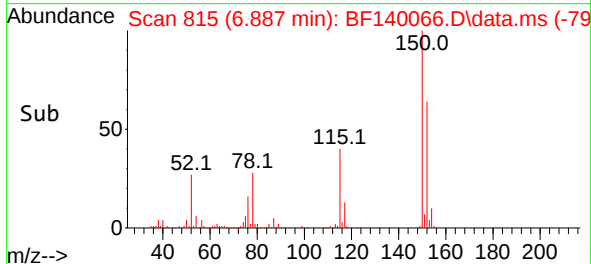
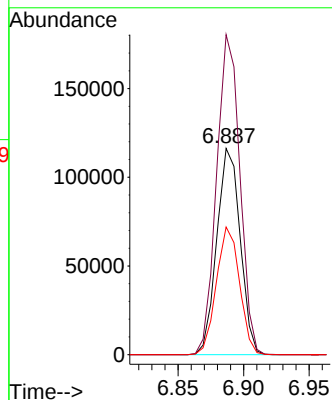
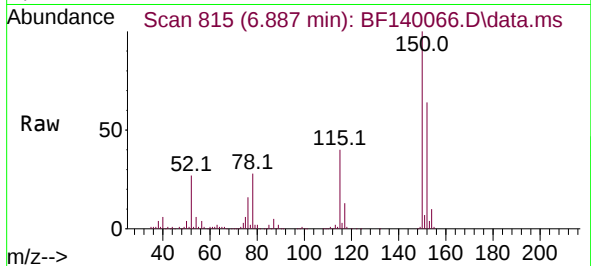




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

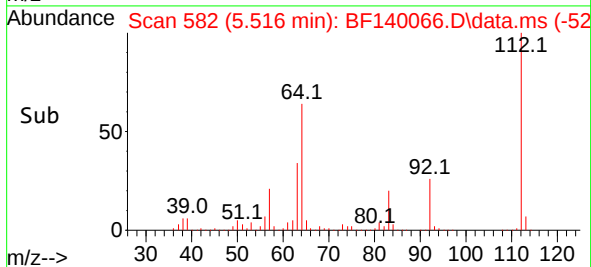
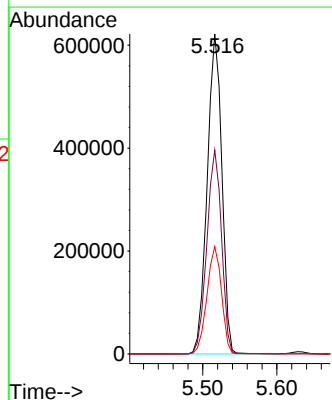
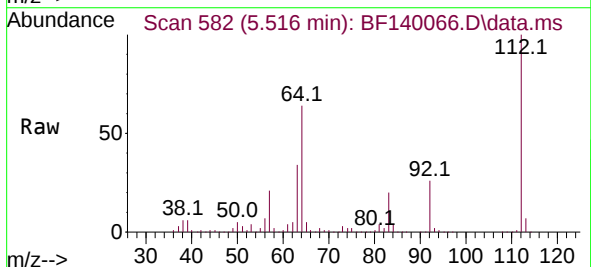
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

Tgt Ion:152 Resp: 144092  
Ion Ratio Lower Upper  
152 100  
150 155.1 130.2 195.2  
115 61.9 51.4 77.2



#5  
2-Fluorophenol  
Concen: 92.921 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion:112 Resp: 855271  
Ion Ratio Lower Upper  
112 100  
64 63.7 53.0 79.6  
63 33.5 27.0 40.4

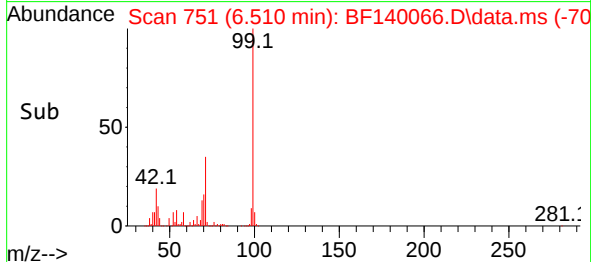
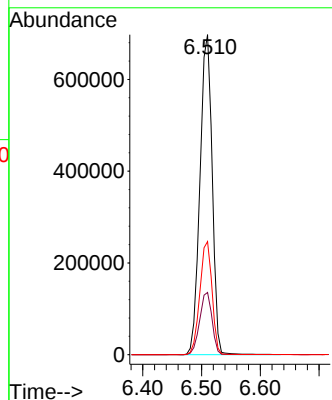
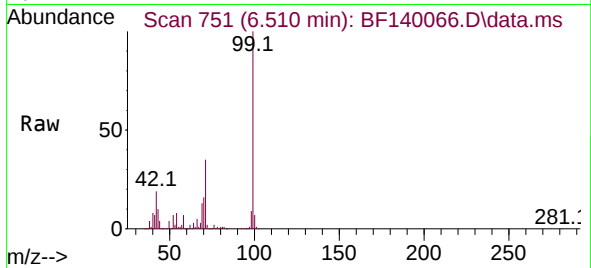




#7  
Phenol-d6  
Concen: 84.423 ng  
RT: 6.510 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

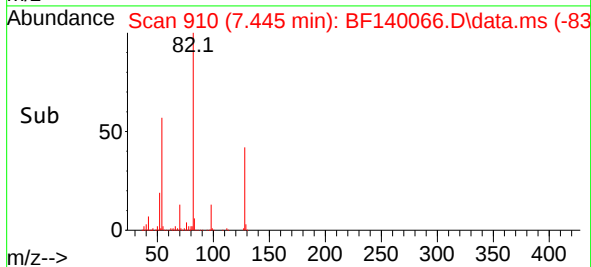
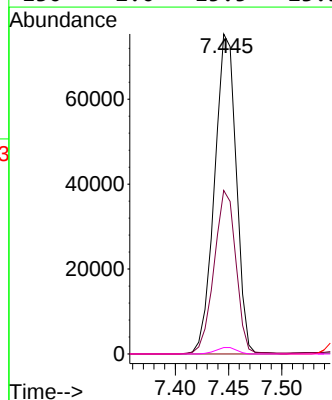
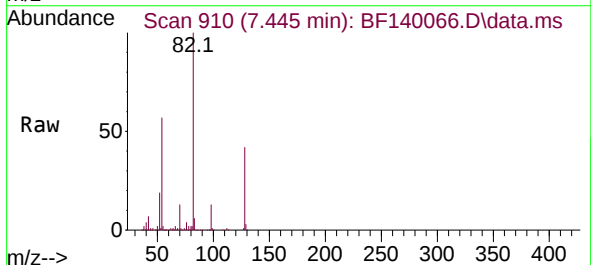
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

Tgt Ion: 99 Resp: 1006405  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.7 25.1  
71 35.3 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.748 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion: 70 Resp: 106630  
Ion Ratio Lower Upper  
70 100  
42 51.1 51.5 77.3#  
101 0.0 7.5 11.3#  
130 2.0 15.5 23.3#





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

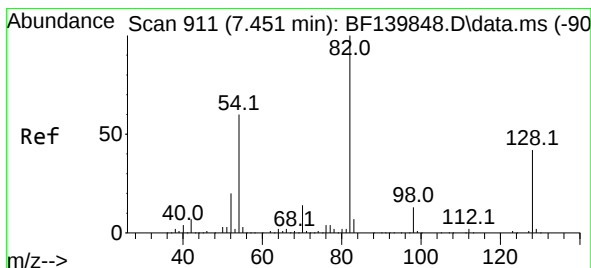
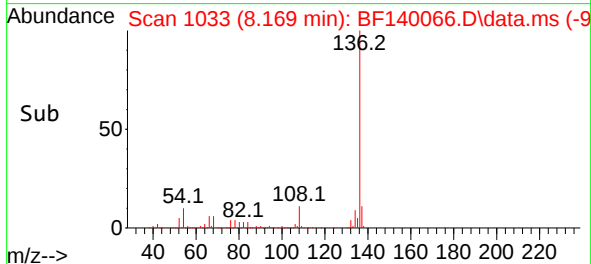
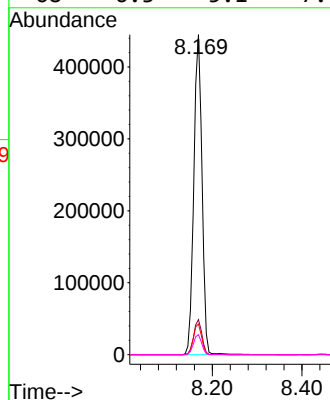
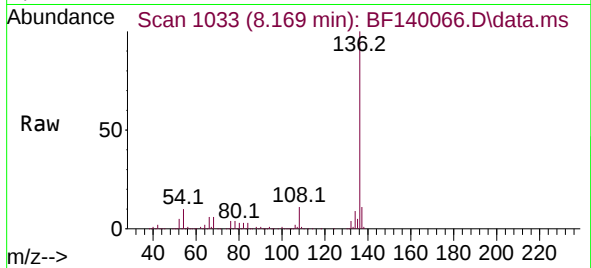
Instrument :

BNA\_F

ClientSampleId :

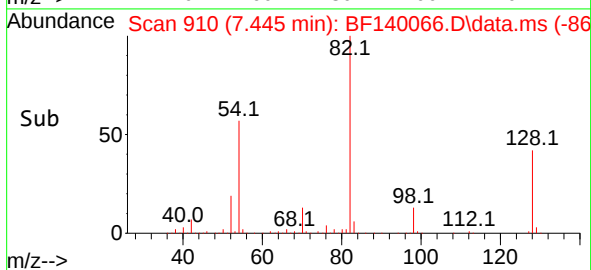
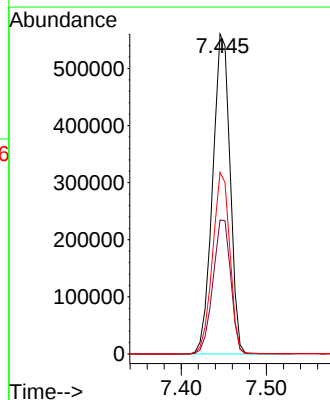
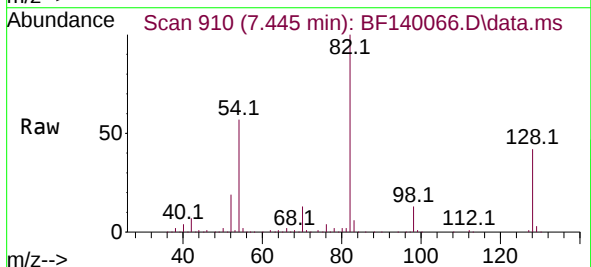
TP-3

Tgt Ion:136 Resp: 564473  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 9.6 8.4 12.6  
68 6.3 5.1 7.7



#23  
Nitrobenzene-d5  
Concen: 78.222 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion: 82 Resp: 796663  
Ion Ratio Lower Upper  
82 100  
128 41.9 33.4 50.0  
54 56.7 47.8 71.8

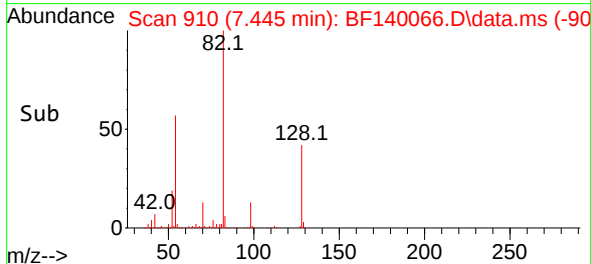
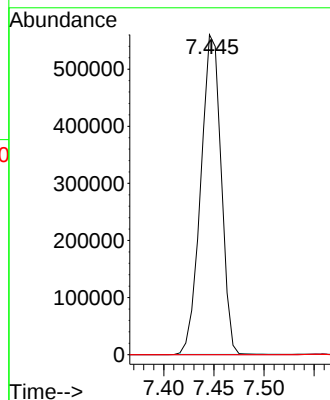
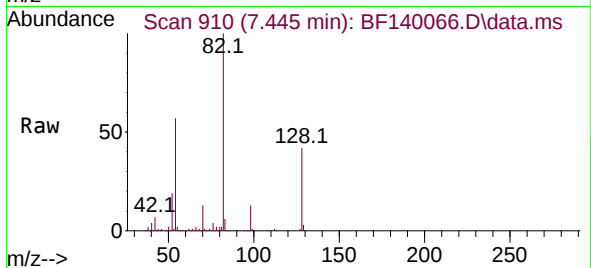




#25  
Isophorone  
Concen: 40.946 ng  
RT: 7.445 min Scan# 91  
Delta R.T. -0.264 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

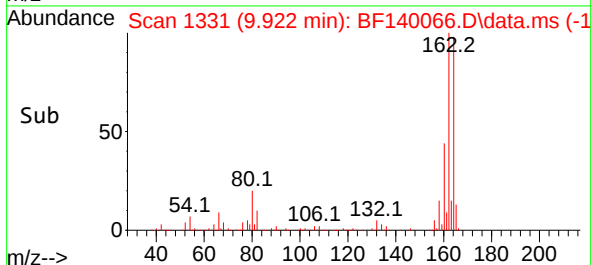
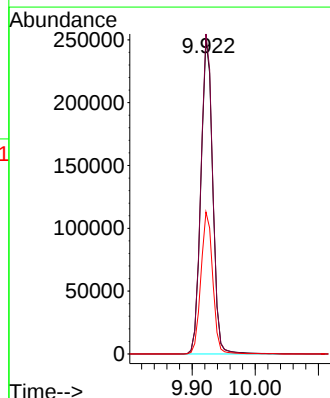
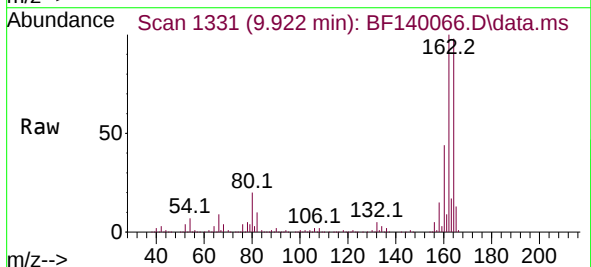
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

Tgt Ion: 82 Resp: 791519  
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: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion: 164 Resp: 326209  
Ion Ratio Lower Upper  
164 100  
162 101.6 81.0 121.4  
160 45.0 35.4 53.0

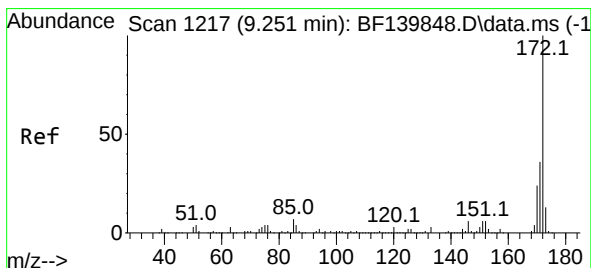
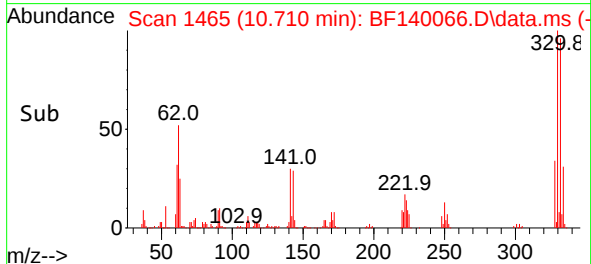
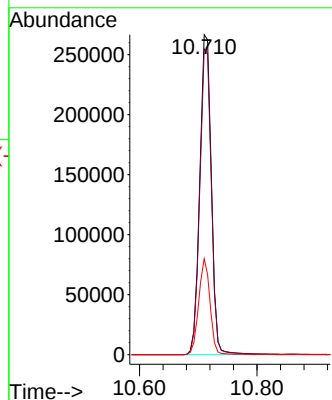
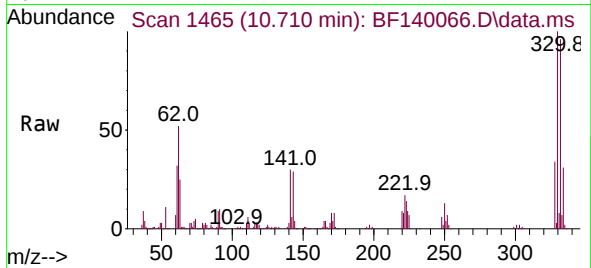




#42  
2,4,6-Tribromophenol  
Concen: 119.909 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

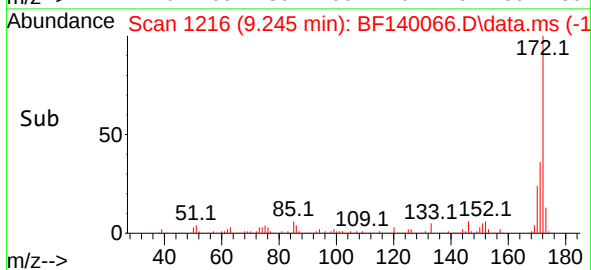
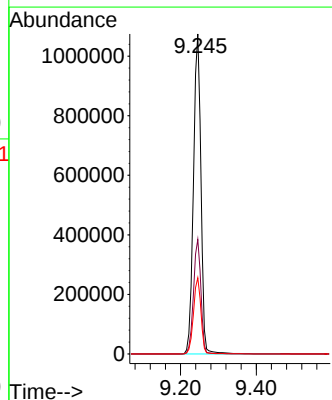
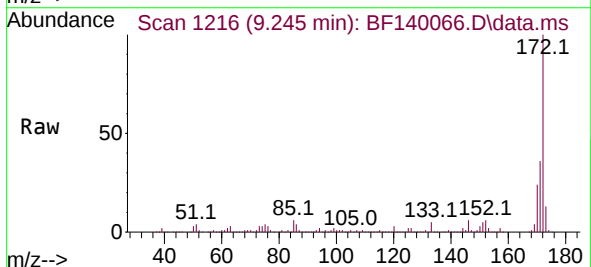
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

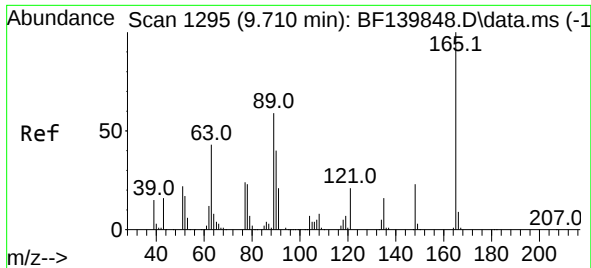
Tgt Ion:330 Resp: 365874  
Ion Ratio Lower Upper  
330 100  
332 95.5 78.1 117.1  
141 29.2 26.6 39.8



#45  
2-Fluorobiphenyl  
Concen: 74.738 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion:172 Resp: 1475168  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 43.0  
170 23.8 19.1 28.7

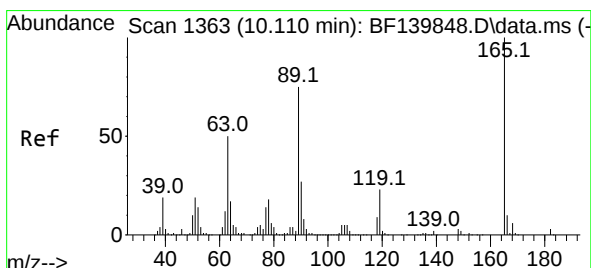
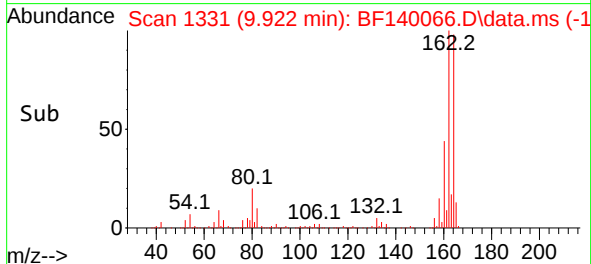
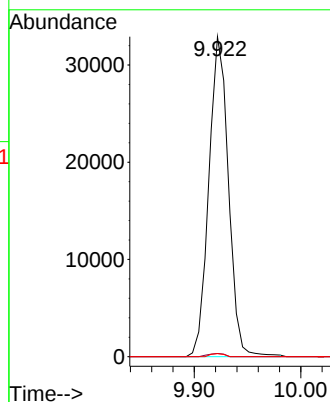
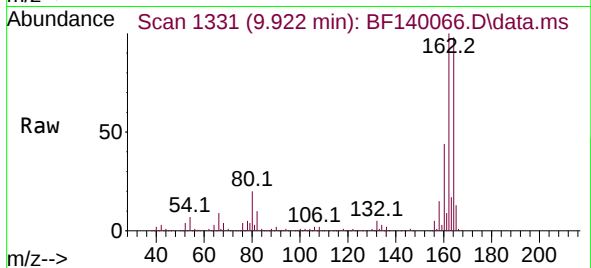




#51  
2,6-Dinitrotoluene  
Concen: 9.599 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. 0.212 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

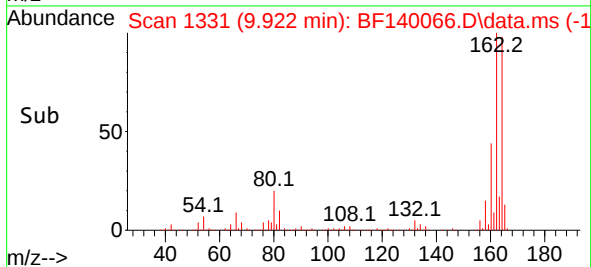
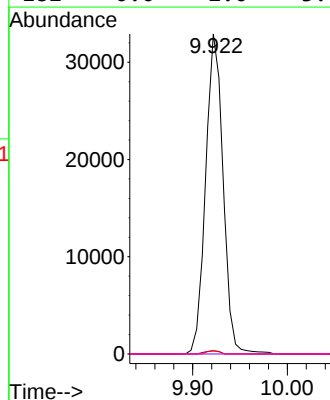
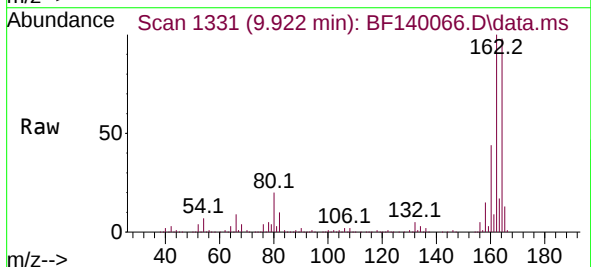
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

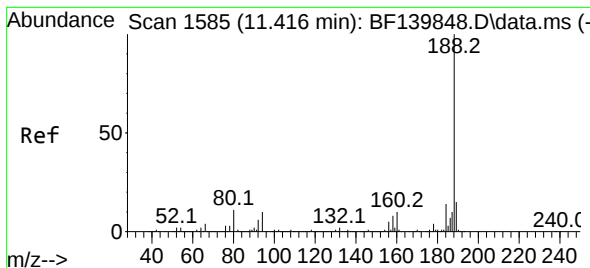
Tgt Ion:165 Resp: 42229  
Ion Ratio Lower Upper  
165 100  
63 1.0 50.6 75.8#  
89 1.0 47.5 71.3#



#57  
2,4-Dinitrotoluene  
Concen: 7.806 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.188 min  
Lab File: BF140066.D  
Acq: 26 Oct 2024 18:12

Tgt Ion:165 Resp: 42230  
Ion Ratio Lower Upper  
165 100  
63 1.0 40.1 60.1#  
89 1.0 60.4 90.6#  
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140066.D

Acq: 26 Oct 2024 18:12

Instrument :

BNA\_F

ClientSampleId :

TP-3

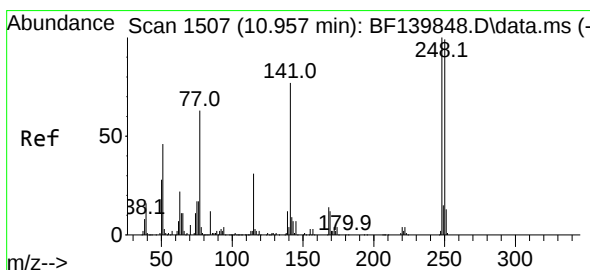
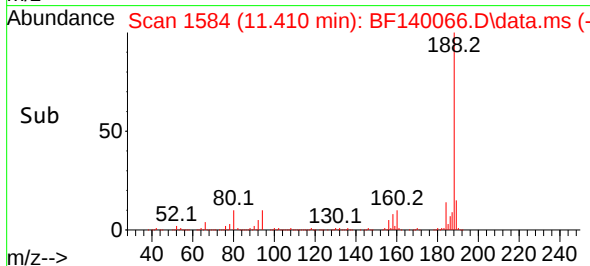
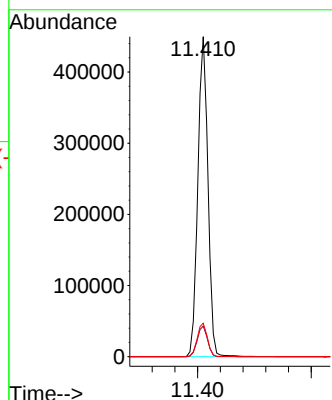
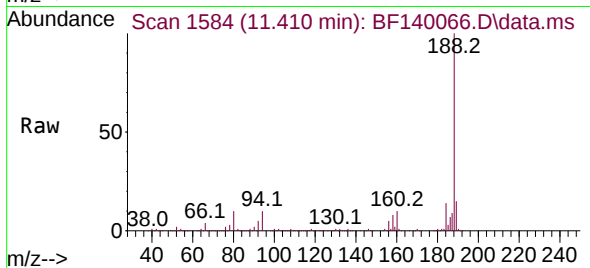
Tgt Ion:188 Resp: 557096

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.812 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140066.D

Acq: 26 Oct 2024 18:12

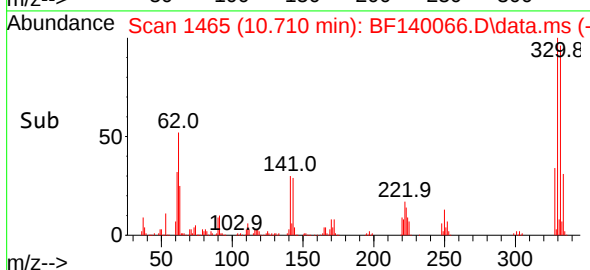
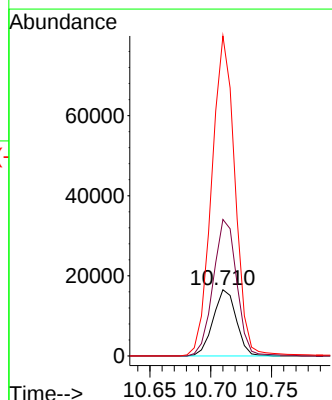
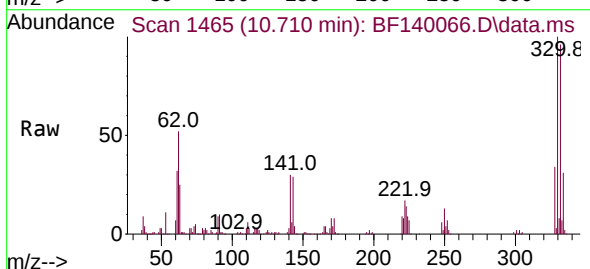
Tgt Ion:248 Resp: 21878

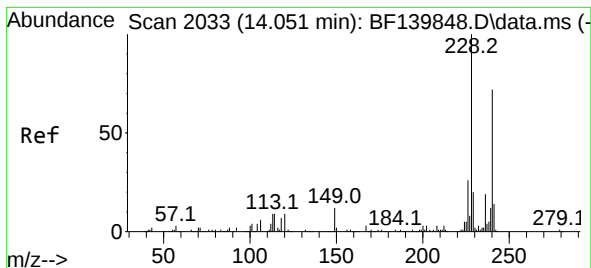
Ion Ratio Lower Upper

248 100

250 206.1 79.0 118.6#

141 483.1 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140066.D

Acq: 26 Oct 2024 18:12

Instrument :

BNA\_F

ClientSampleId :

TP-3

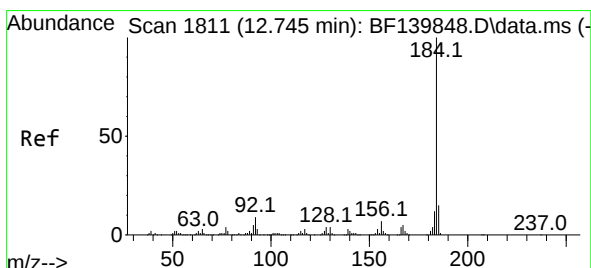
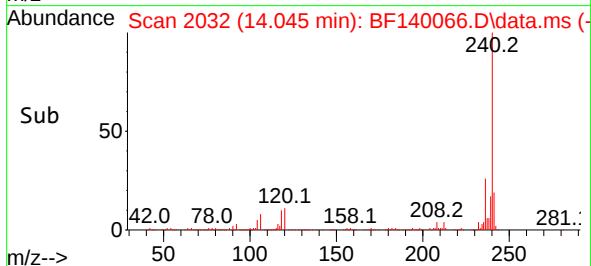
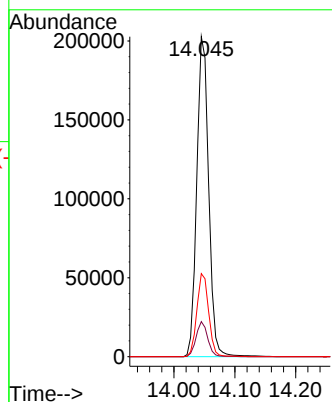
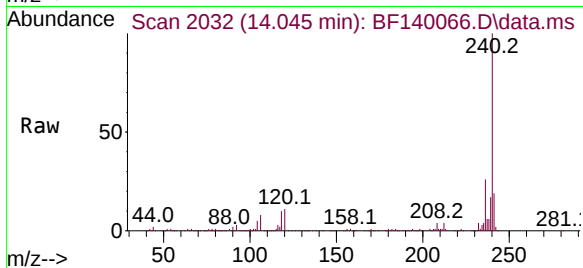
Tgt Ion:240 Resp: 274861

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 25.9 20.9 31.3



#77

Benzdine

Concen: 3.457 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140066.D

Acq: 26 Oct 2024 18:12

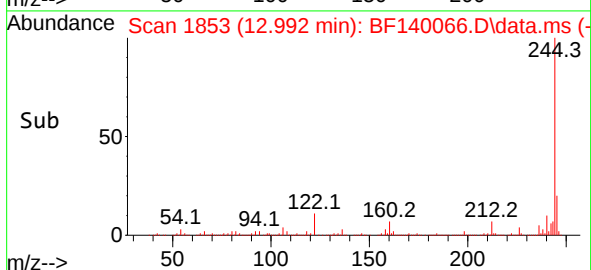
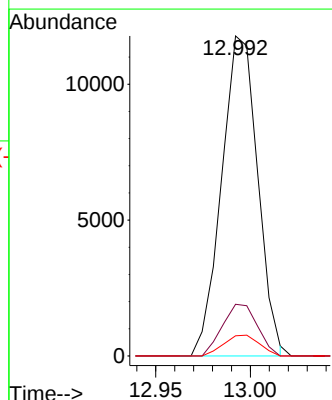
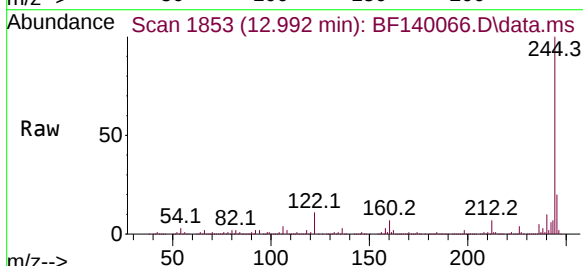
Tgt Ion:184 Resp: 15624

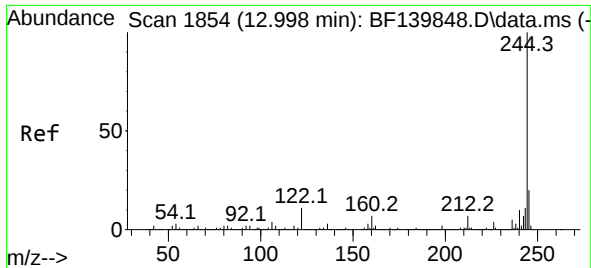
Ion Ratio Lower Upper

184 100

185 16.2 12.0 18.0

183 6.3 9.4 14.2#

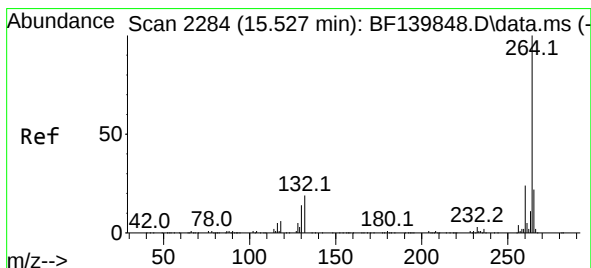
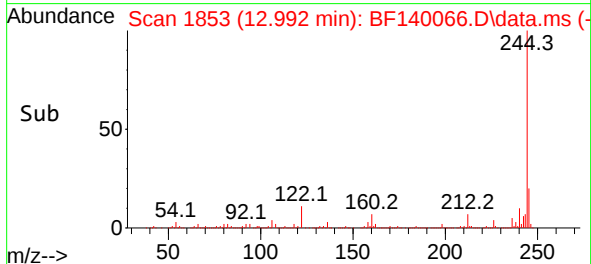
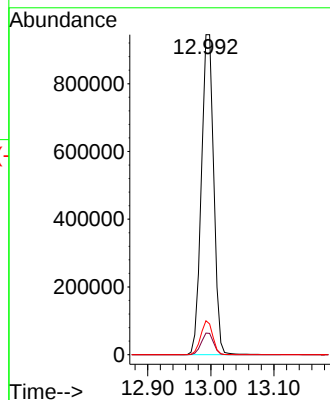
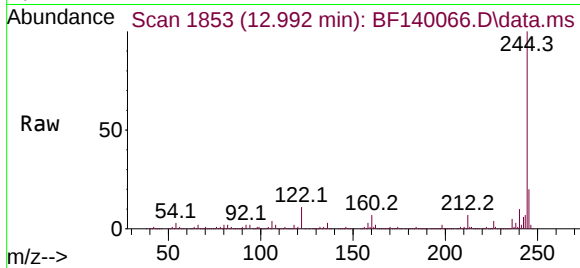




#79  
 Terphenyl-d14  
 Concen: 75.932 ng  
 RT: 12.992 min Scan# 1853  
 Delta R.T. -0.006 min  
 Lab File: BF140066.D  
 Acq: 26 Oct 2024 18:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3

Tgt Ion:244 Resp: 1280821  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.7 8.5  
 122 10.6 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.527 min Scan# 2284  
 Delta R.T. 0.000 min  
 Lab File: BF140066.D  
 Acq: 26 Oct 2024 18:12

Tgt Ion:264 Resp: 292959  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.4 29.2  
 265 21.2 17.4 26.0

