

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140021.D  
 Acq On : 25 Oct 2024 00:50  
 Operator : RC/JU  
 Sample : P4485-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D20241001-01-04

Quant Time: Oct 25 03:05:12 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

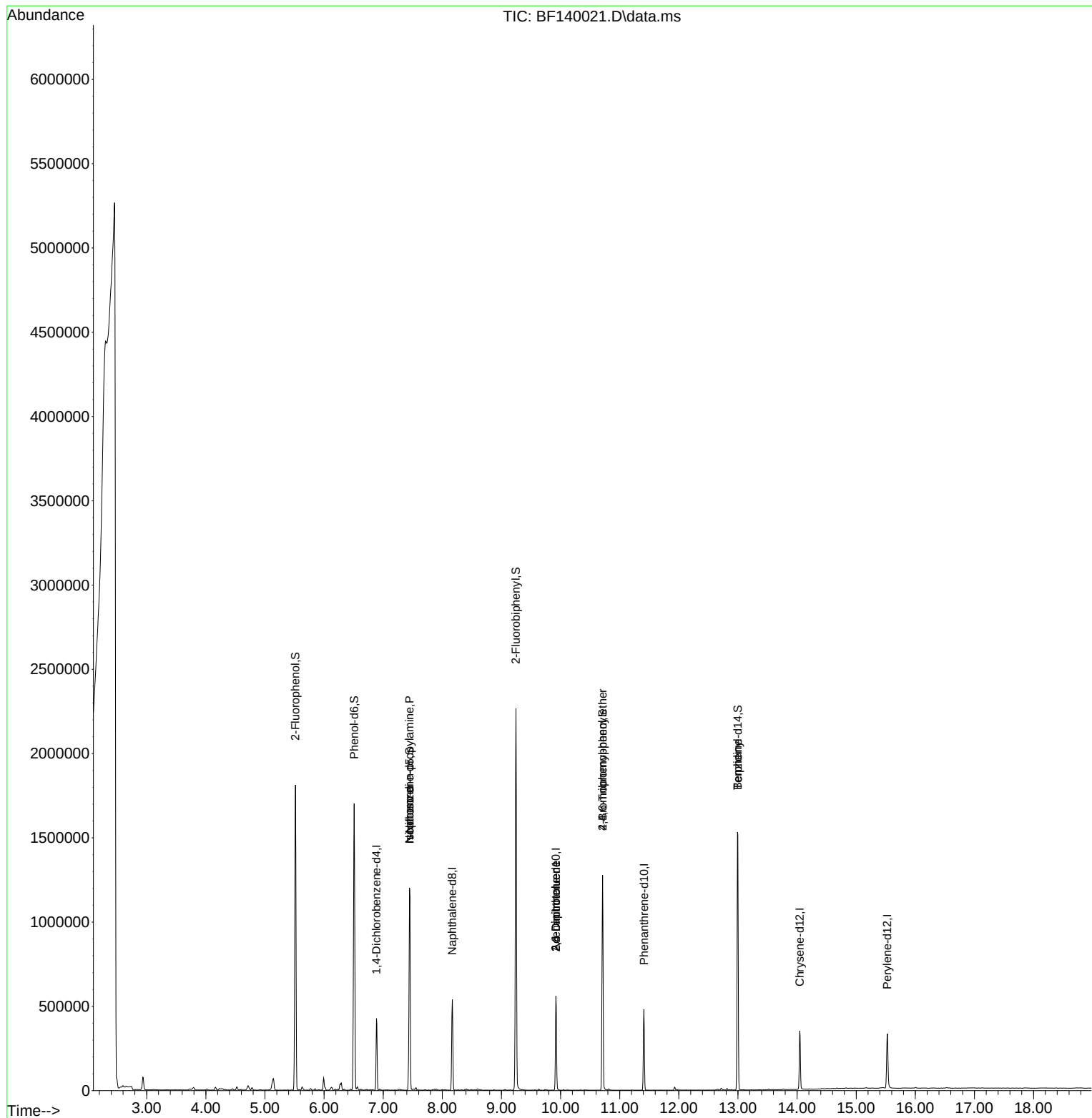
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 87094    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 322143   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 169081   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 246371   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 169152   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 205103   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 678898   | 122.030 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 828858   | 115.032 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 571327   | 98.295  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 214722   | 135.768 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1035535  | 101.219 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 791099   | 76.208  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 80059    | 18.320  | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 567529   | 51.444  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 21264    | 9.325   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 21264    | 7.583   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 14508    | 5.716   | ng    | # 1      |
| 77) Benzidine                 | 12.998 | 184  | 10261    | 3.689   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

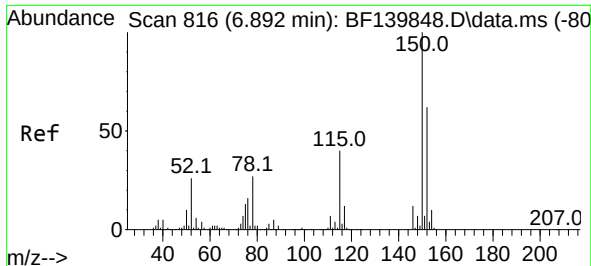
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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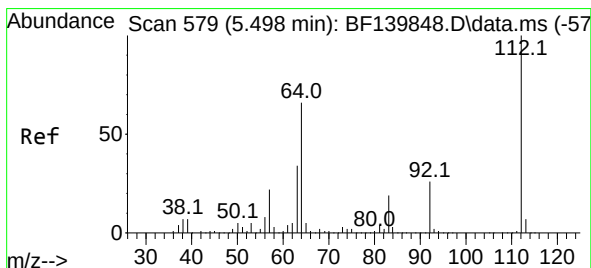
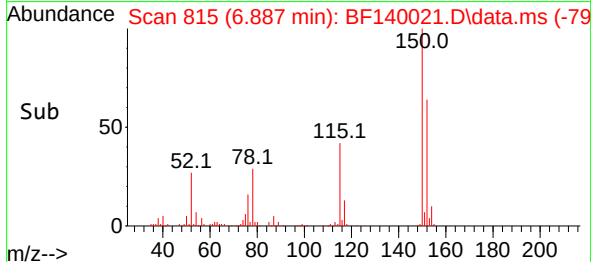
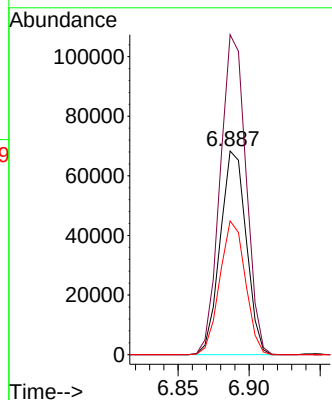
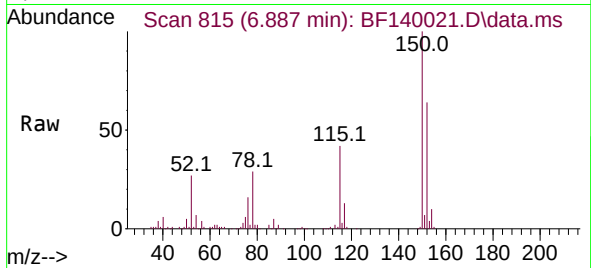




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

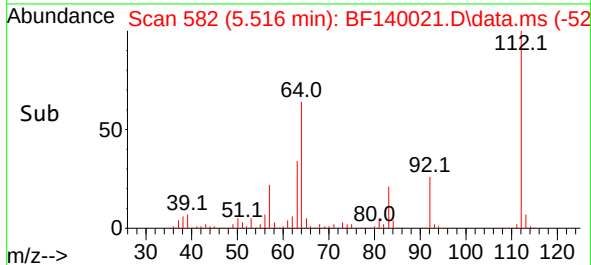
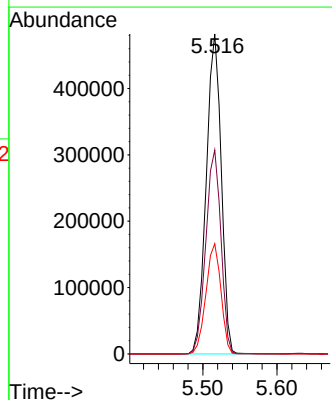
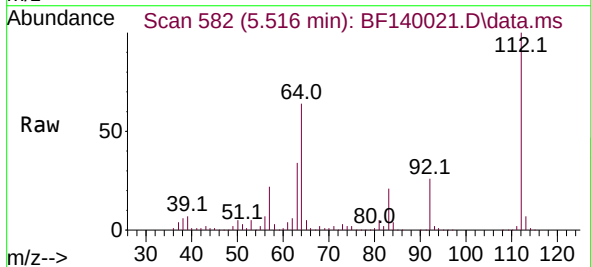
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

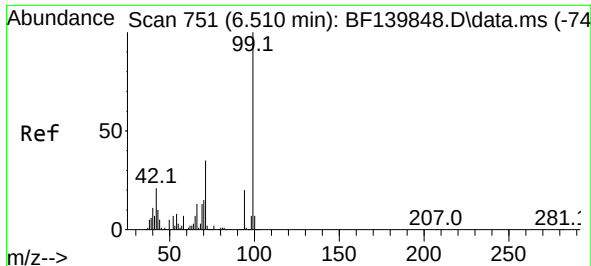
Tgt Ion:152 Resp: 87094  
Ion Ratio Lower Upper  
152 100  
150 157.1 130.2 195.2  
115 65.7 51.4 77.2



#5  
2-Fluorophenol  
Concen: 122.030 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion:112 Resp: 678898  
Ion Ratio Lower Upper  
112 100  
64 63.7 53.0 79.6  
63 34.4 27.0 40.4

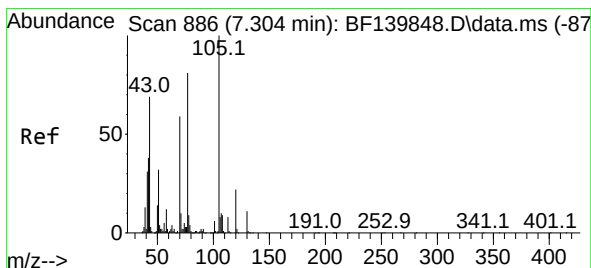
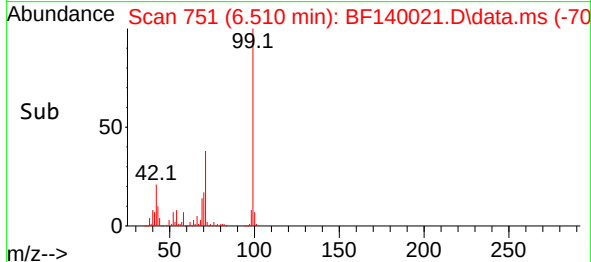
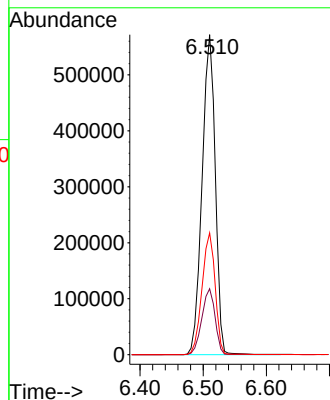
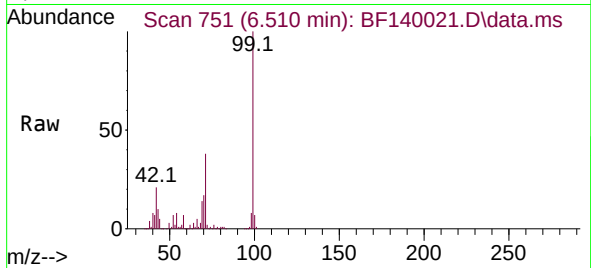




#7  
Phenol-d6  
Concen: 115.032 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

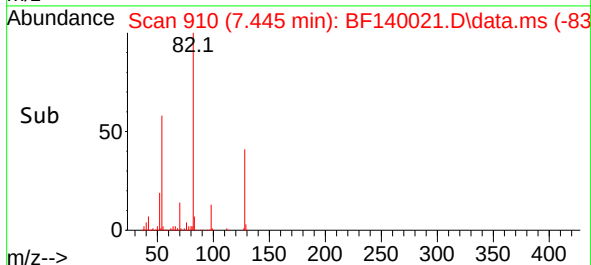
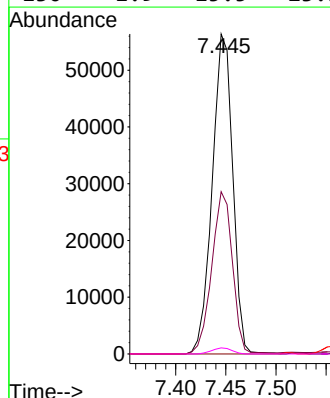
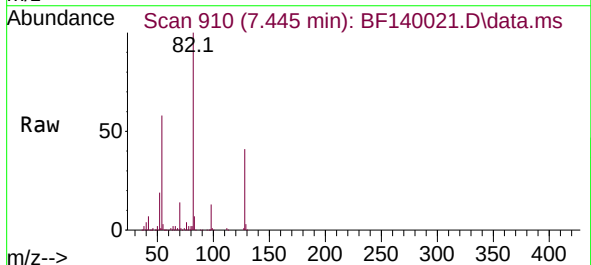
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

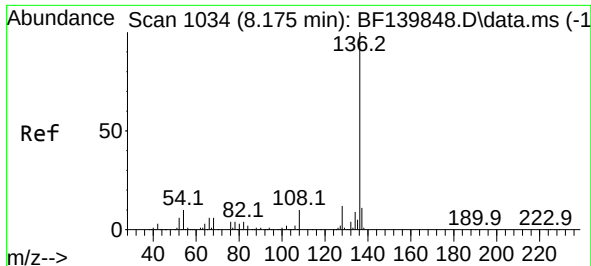
Tgt Ion: 99 Resp: 828858  
Ion Ratio Lower Upper  
99 100  
42 20.6 16.7 25.1  
71 38.1 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.320 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion: 70 Resp: 80059  
Ion Ratio Lower Upper  
70 100  
42 50.7 51.5 77.3#  
101 0.0 7.5 11.3#  
130 1.9 15.5 23.3#

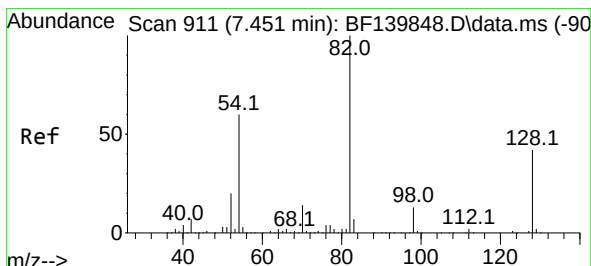
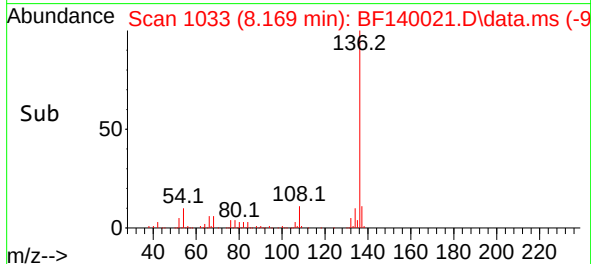
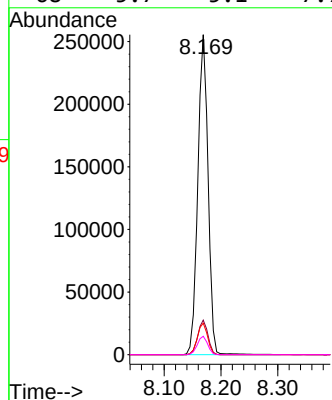
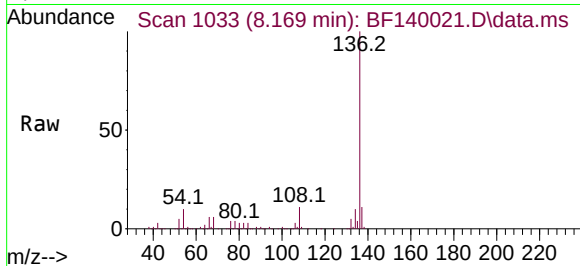




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

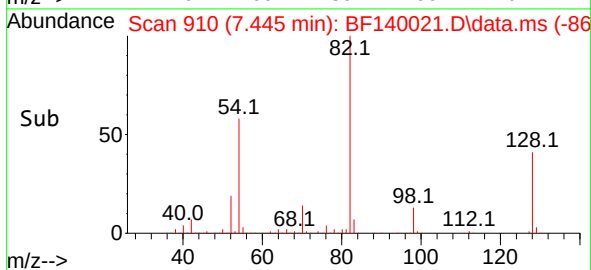
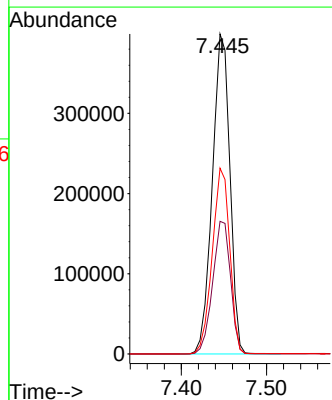
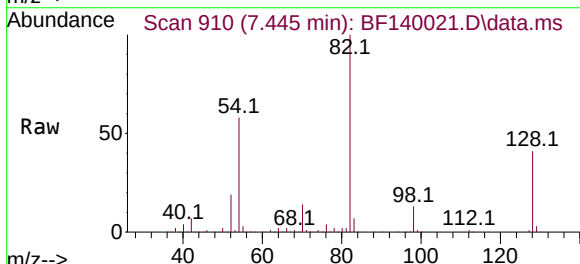
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

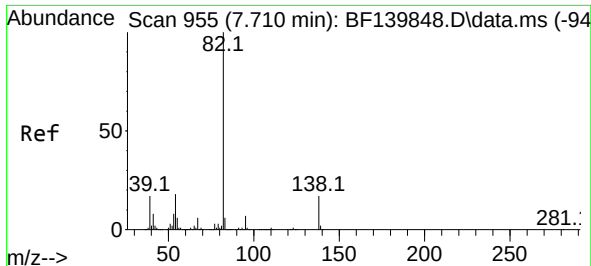
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 322143 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 12.8   |
| 54       | 9.8   | 8.4   | 12.6   |
| 68       | 5.7   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 98.295 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 571327 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.5  | 33.4  | 50.0   |
| 54       | 58.0  | 47.8  | 71.8   |

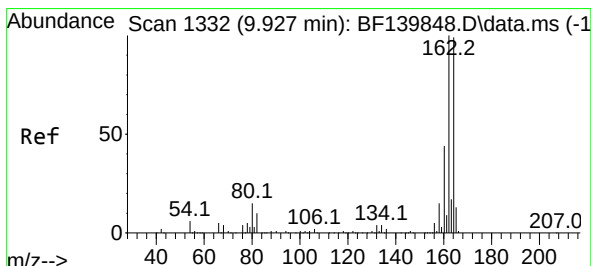
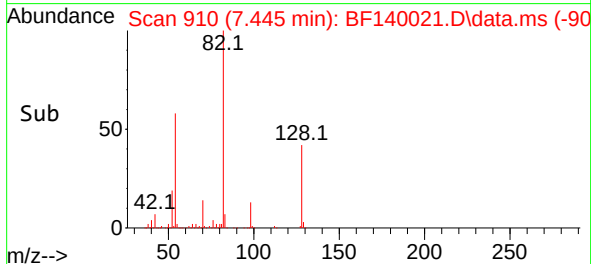
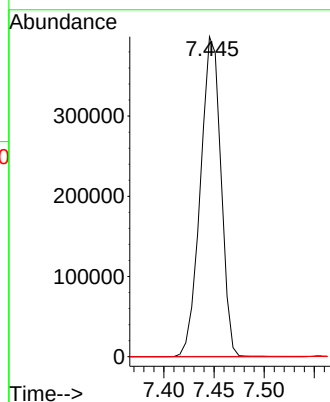
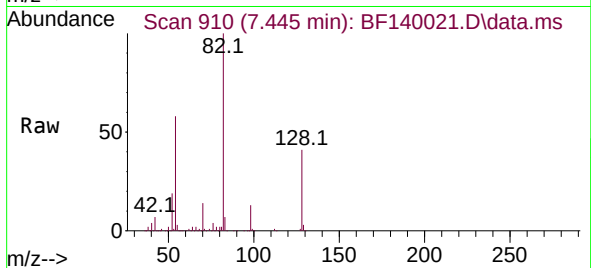




#25  
Isophorone  
Concen: 51.444 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.265 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

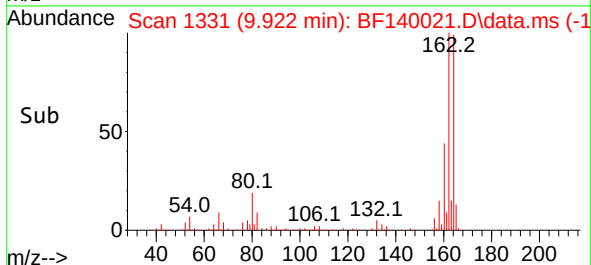
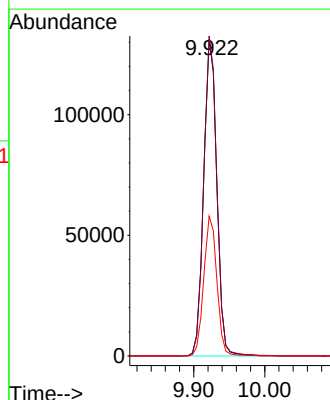
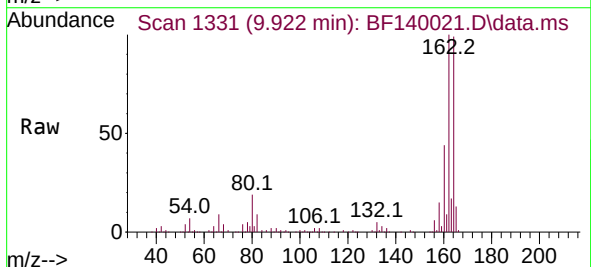
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

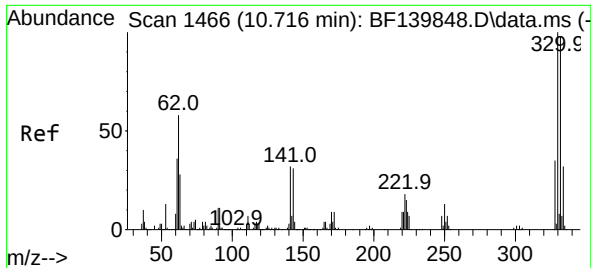
Tgt Ion: 82 Resp: 567529  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.2 19.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.005 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion:164 Resp: 169081  
Ion Ratio Lower Upper  
164 100  
162 101.0 81.0 121.4  
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 135.768 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140021.D

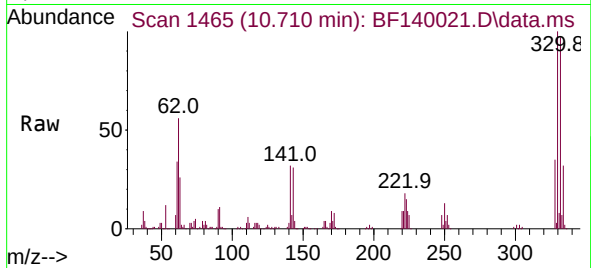
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Instrument :

BNA\_F

ClientSampleId :

D20241001-01-04



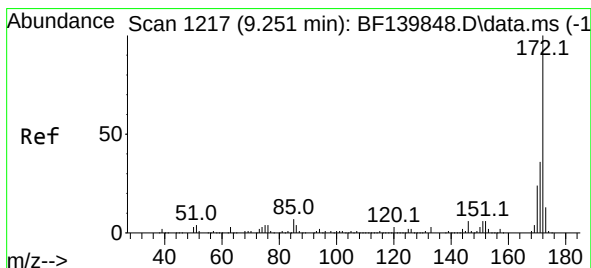
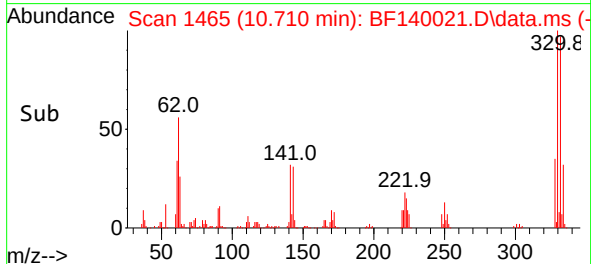
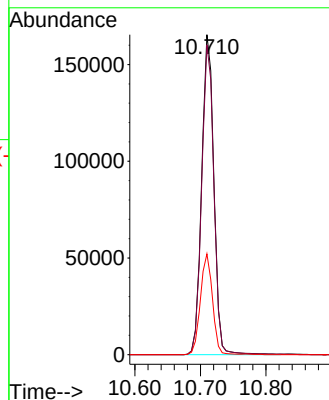
Tgt Ion:330 Resp: 214722

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 31.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 101.219 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

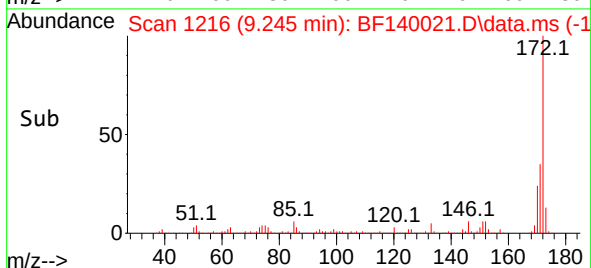
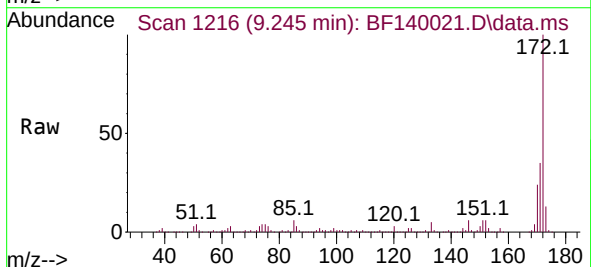
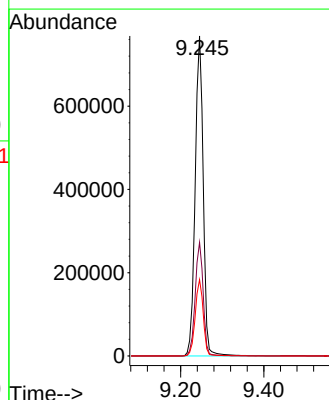
Tgt Ion:172 Resp: 1035535

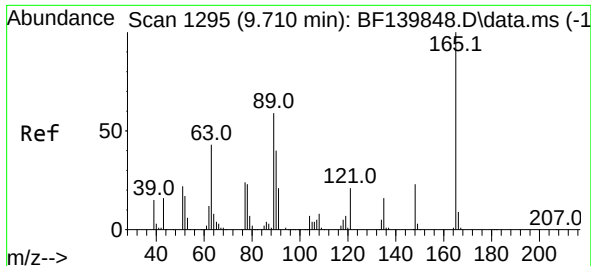
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.9 19.1 28.7

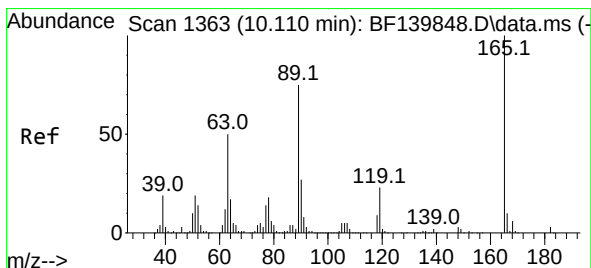
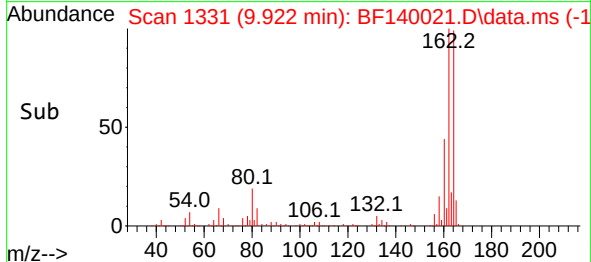
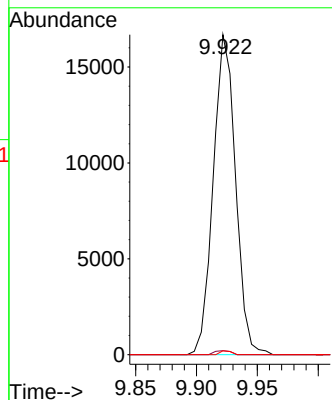
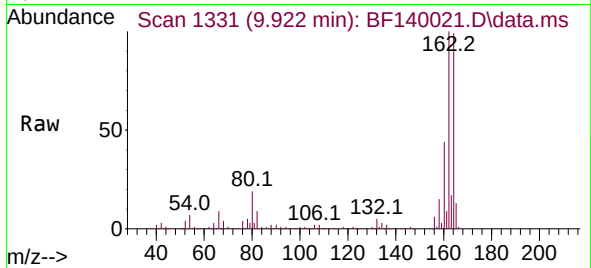




#51  
2,6-Dinitrotoluene  
Concen: 9.325 ng  
RT: 9.922 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

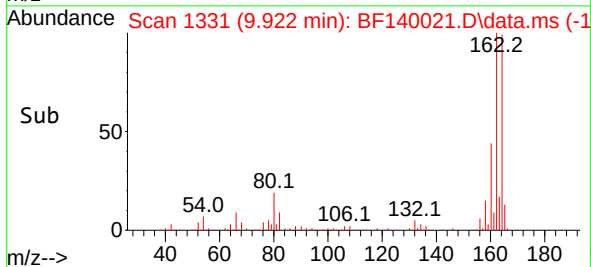
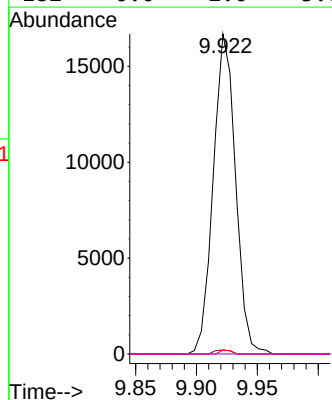
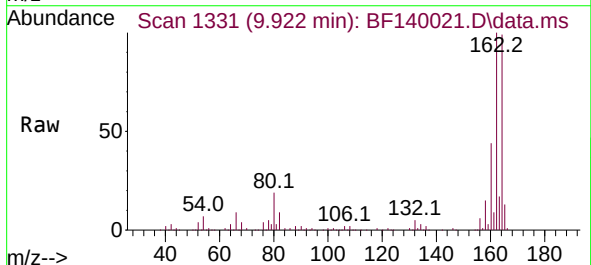
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BNA\_F  
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D20241001-01-04

Tgt Ion:165 Resp: 21264  
Ion Ratio Lower Upper  
165 100  
63 1.3 50.6 75.8#  
89 1.2 47.5 71.3#

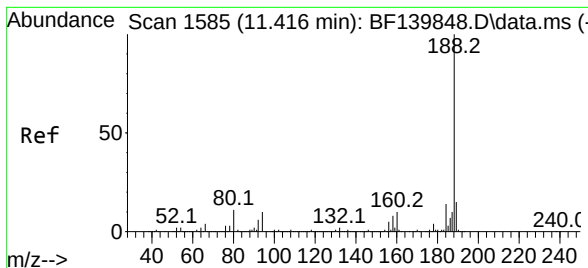


#57  
2,4-Dinitrotoluene  
Concen: 7.583 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.188 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion:165 Resp: 21264  
Ion Ratio Lower Upper  
165 100  
63 1.3 40.1 60.1#  
89 1.2 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: BF140021.D

Acq: 25 Oct 2024 00:50

Instrument :

BNA\_F

ClientSampleId :

D20241001-01-04

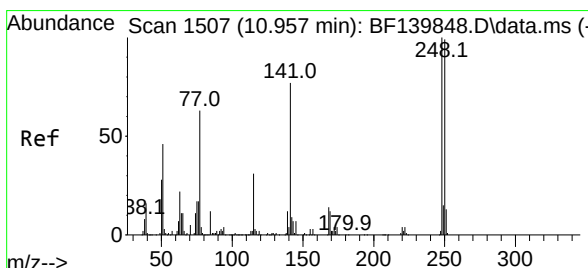
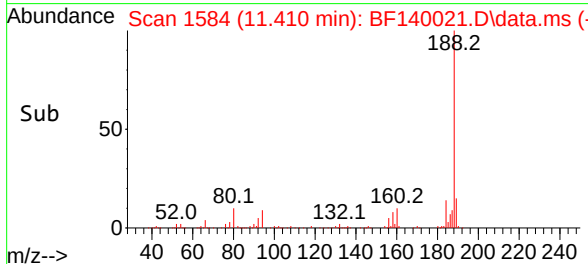
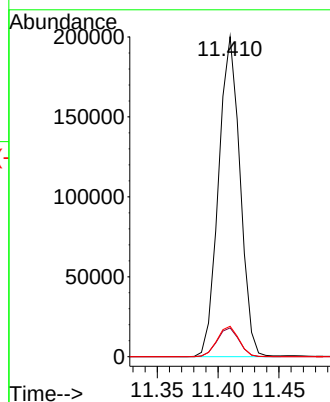
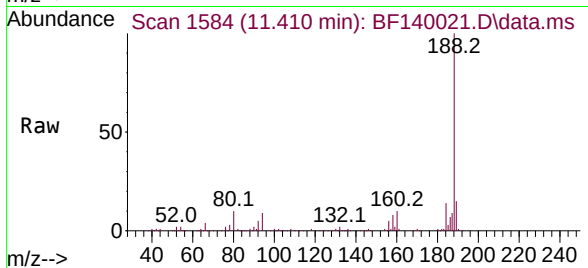
Tgt Ion:188 Resp: 246371

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.716 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

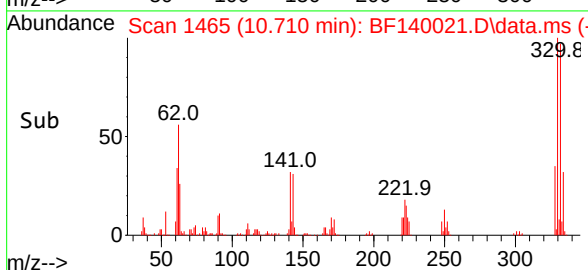
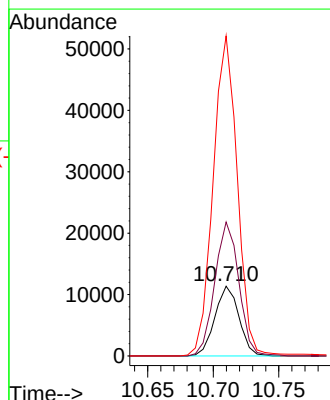
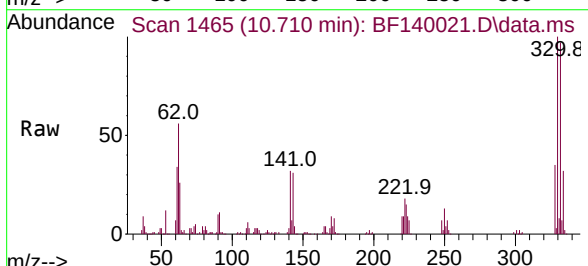
Tgt Ion:248 Resp: 14508

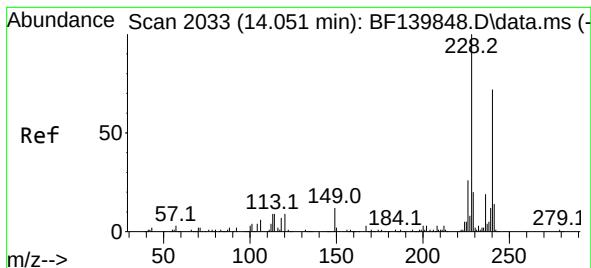
Ion Ratio Lower Upper

248 100

250 191.9 79.0 118.6#

141 458.6 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: BF140021.D

Acq: 25 Oct 2024 00:50

Instrument :

BNA\_F

ClientSampleId :

D20241001-01-04

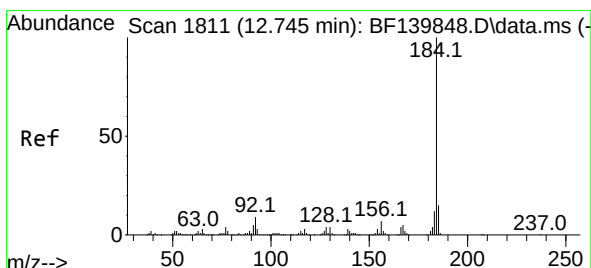
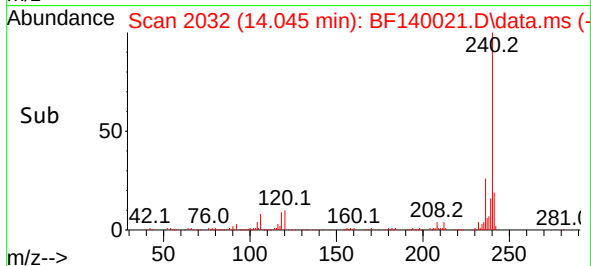
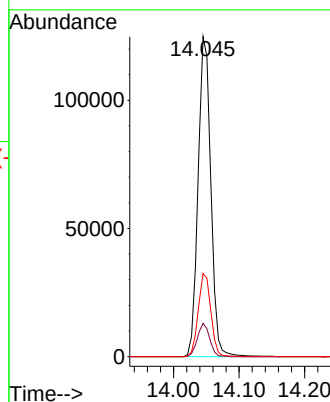
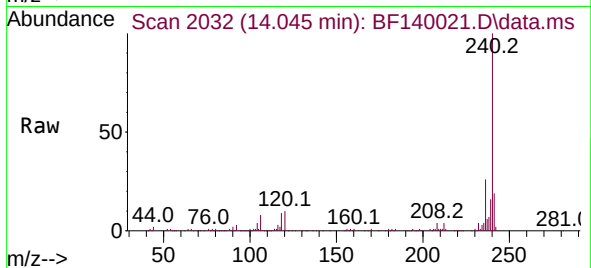
Tgt Ion:240 Resp: 169152

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 26.0 20.9 31.3



#77

Benzdine

Concen: 3.689 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

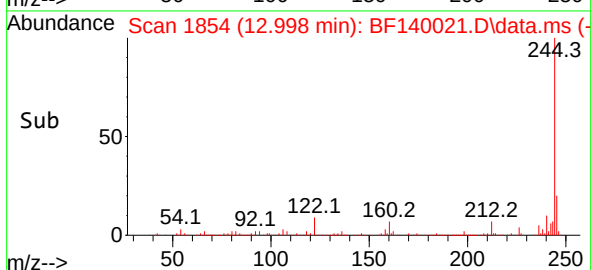
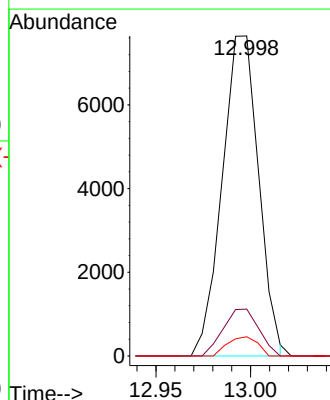
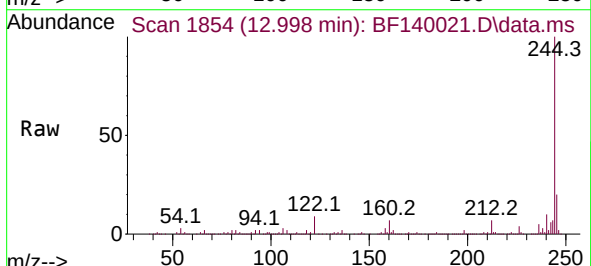
Tgt Ion:184 Resp: 10261

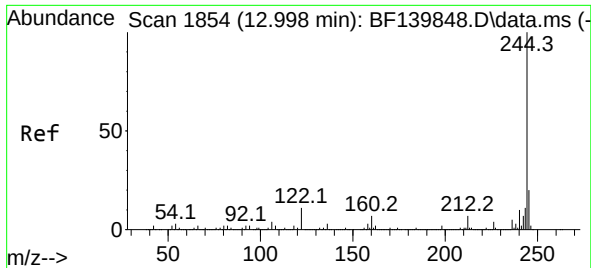
Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

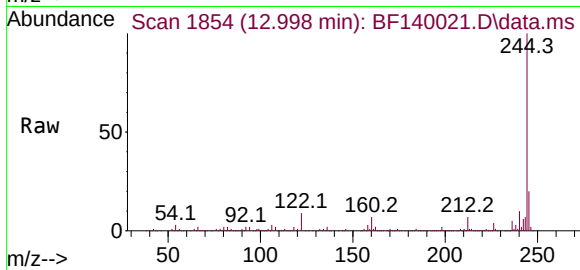
183 6.0 9.4 14.2#



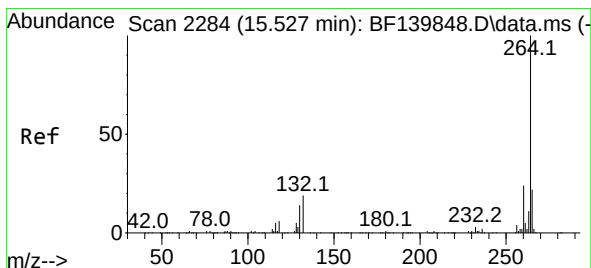
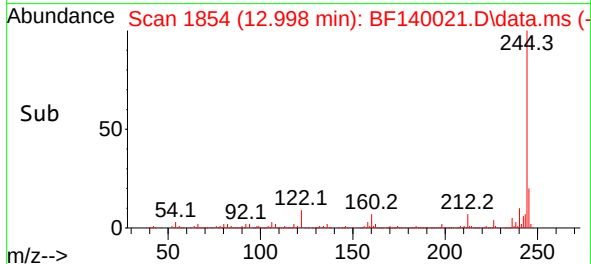
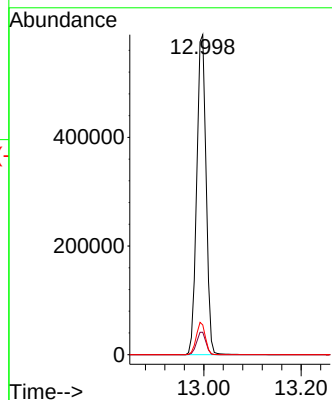


#79  
 Terphenyl-d14  
 Concen: 76.208 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF140021.D  
 Acq: 25 Oct 2024 00:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D20241001-01-04



Tgt Ion:244 Resp: 791099  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 9.3 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: BF140021.D  
 Acq: 25 Oct 2024 00:50

Tgt Ion:264 Resp: 205103  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.2 17.4 26.0

