

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061125\  
 Data File : BF142744.D  
 Acq On : 11 Jun 2025 19:48  
 Operator : RC/JU  
 Sample : Q2268-03DL 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-20250605DL

Quant Time: Jun 12 01:48:28 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 11 05:56:09 2025  
 Response via : Initial Calibration

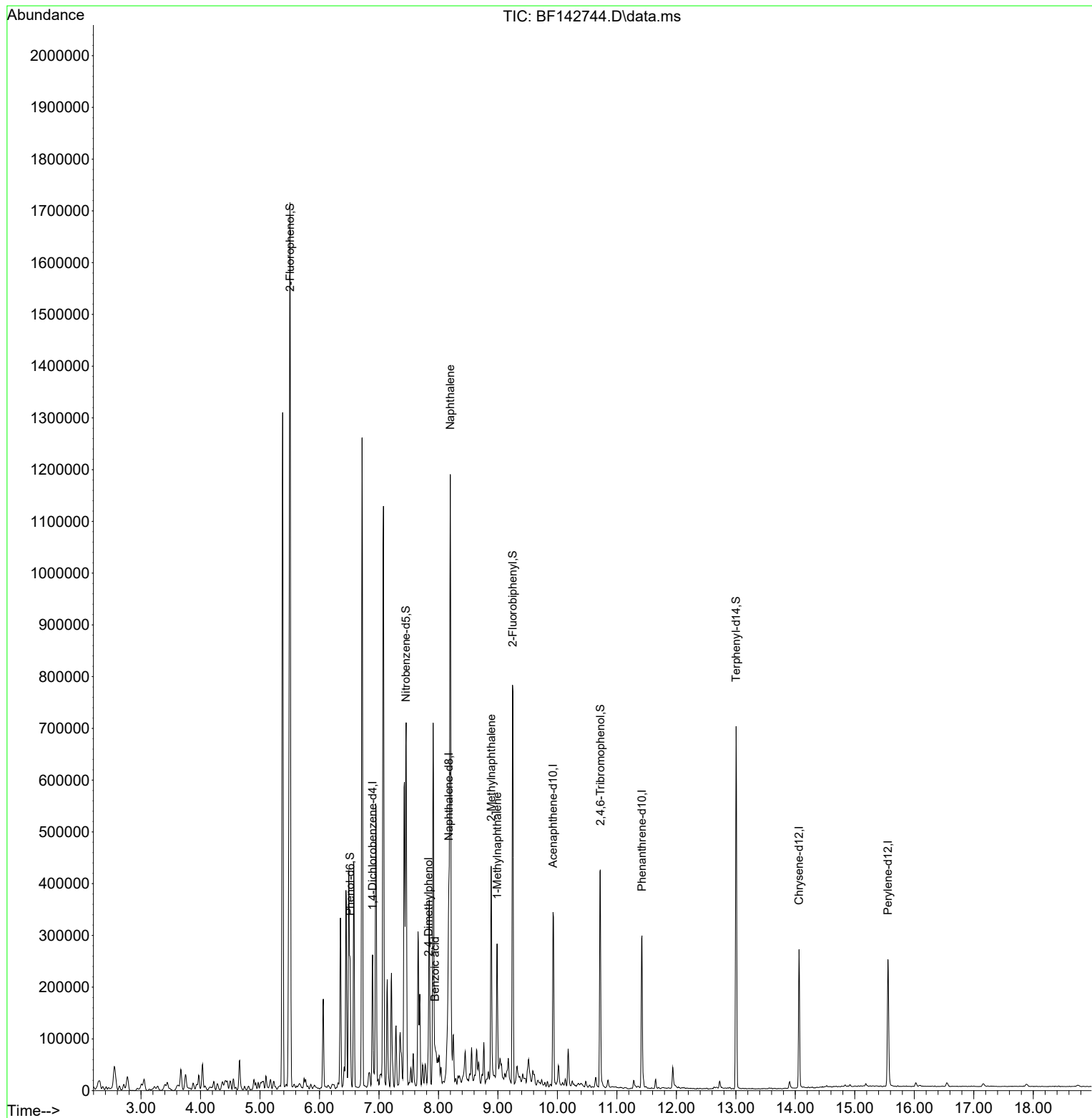
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 55149    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.175  | 136  | 198571   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.927  | 164  | 101254   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.421 | 188  | 157521   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.062 | 240  | 134877   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.556 | 264  | 150814   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 105327   | 32.528 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 107941   | 28.326 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 162127   | 44.683 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 72772    | 65.576 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 356619   | 46.792 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.004 | 244  | 333276   | 33.937 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 27) 2,4-Dimethylphenol      | 7.833  | 122  | 6370     | 2.082  | ng    | 95       |
| 31) Naphthalene             | 8.198  | 128  | 693071   | 70.573 | ng    | 99       |
| 32) Benzoic acid            | 7.939  | 122  | 8708     | 5.053  | ng    | # 72     |
| 37) 2-Methylnaphthalene     | 8.886  | 142  | 156413   | 25.163 | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.986  | 142  | 86959    | 13.504 | ng    | 100      |
| -----                       |        |      |          |        |       |          |

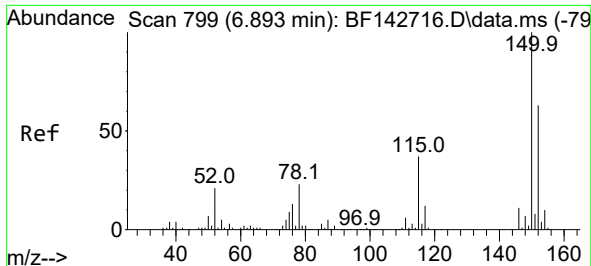
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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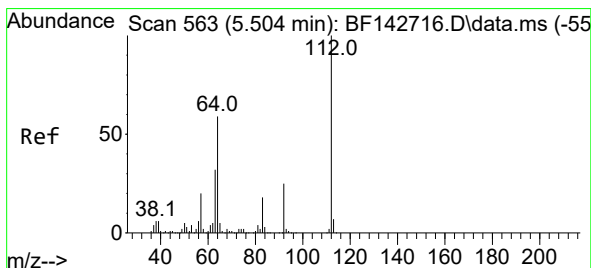
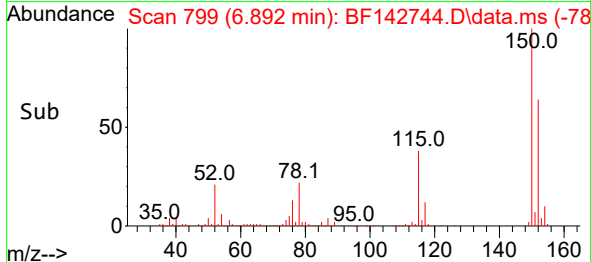
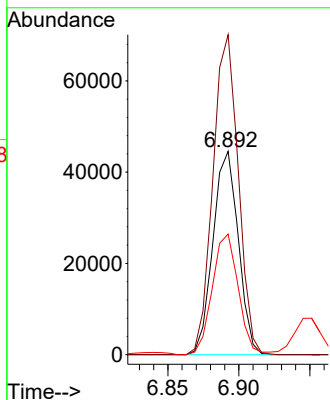
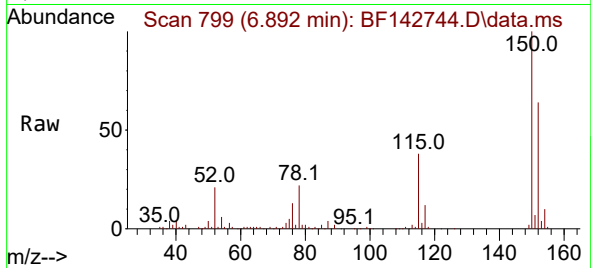




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 799  
Delta R.T. -0.001 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

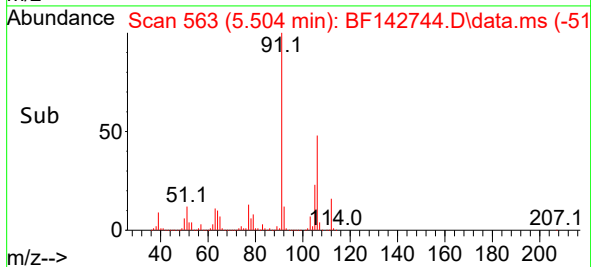
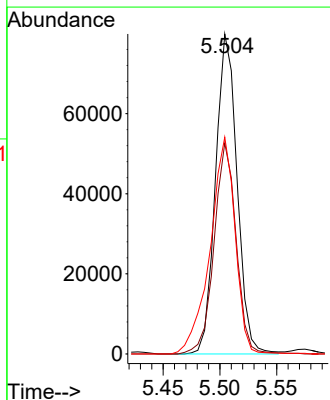
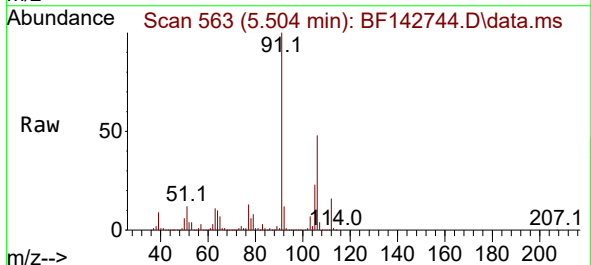
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-20250605DL

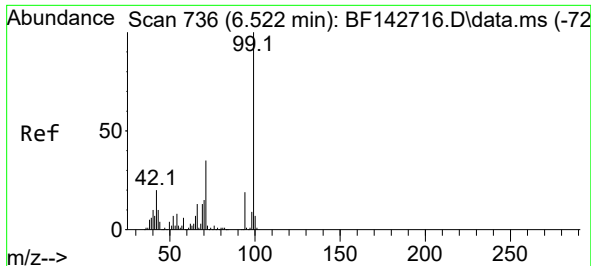
Tgt Ion:152 Resp: 55149  
Ion Ratio Lower Upper  
152 100  
150 157.4 126.9 190.3  
115 59.3 47.0 70.6



#5  
2-Fluorophenol  
Concen: 32.528 ng  
RT: 5.504 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

Tgt Ion:112 Resp: 105327  
Ion Ratio Lower Upper  
112 100  
64 65.9 47.4 71.2  
63 67.7 25.4 38.0#





#7

Phenol-d6

Concen: 28.326 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA\_F

ClientSampleId :

MW-2-20250605DL

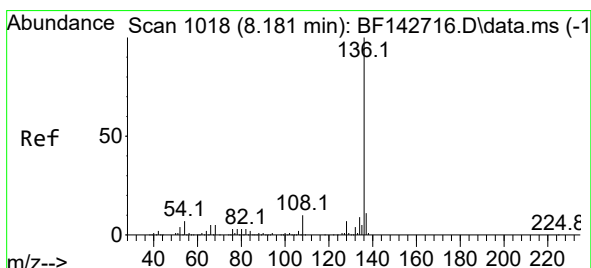
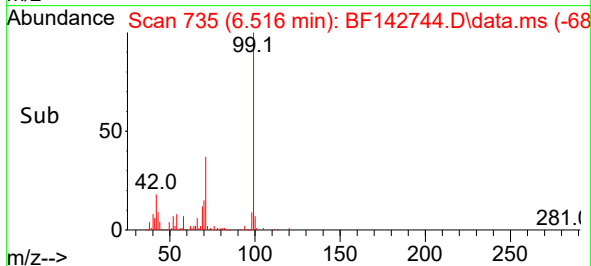
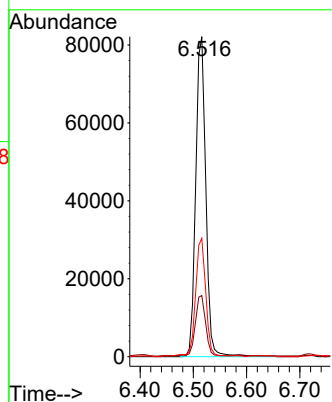
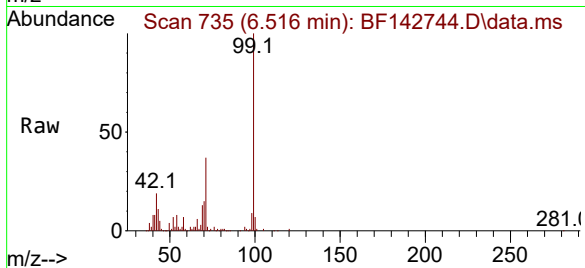
Tgt Ion: 99 Resp: 107941

Ion Ratio Lower Upper

99 100

42 19.1 15.9 23.9

71 37.0 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Tgt Ion: 136 Resp: 198571

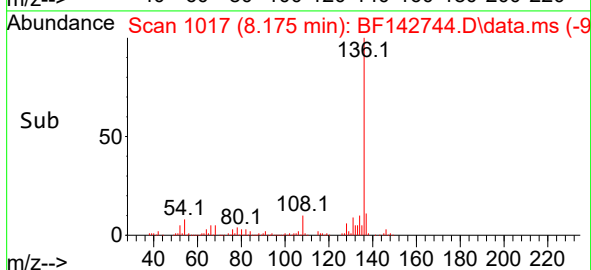
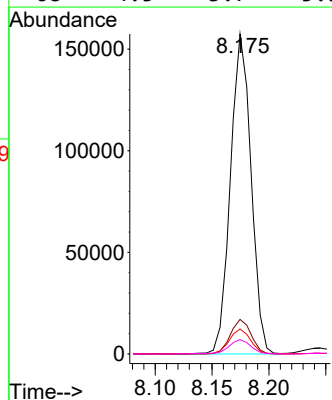
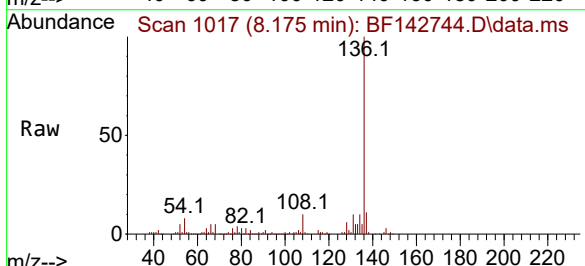
Ion Ratio Lower Upper

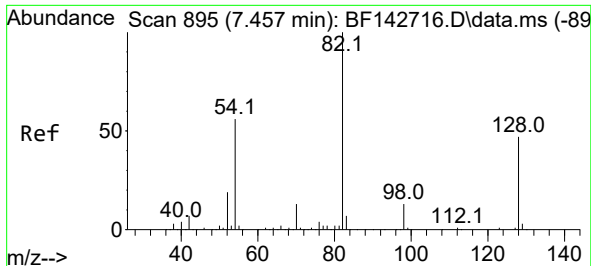
136 100

137 10.8 8.7 13.1

54 7.8 5.9 8.9

68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 44.683 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA\_F

ClientSampleId :

MW-2-20250605DL

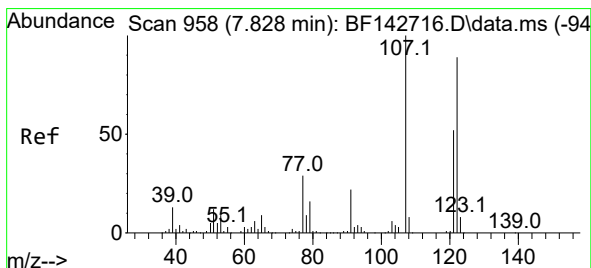
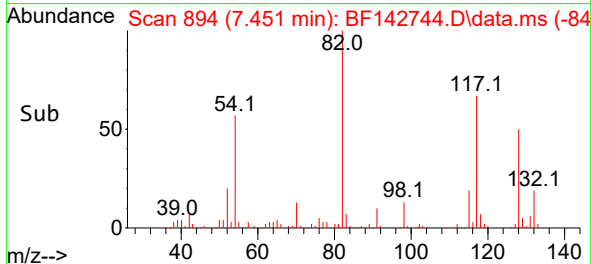
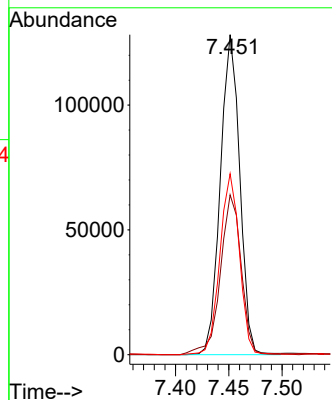
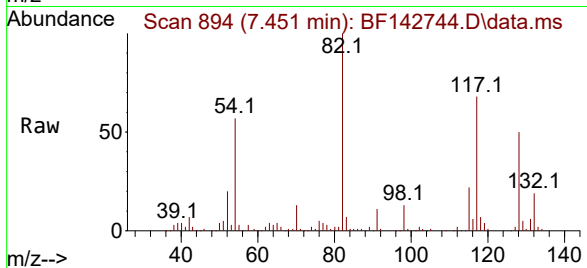
Tgt Ion: 82 Resp: 162127

Ion Ratio Lower Upper

82 100

128 50.0 37.8 56.8

54 56.6 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 2.082 ng

RT: 7.833 min Scan# 959

Delta R.T. 0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

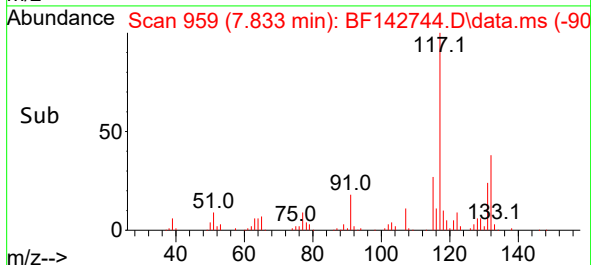
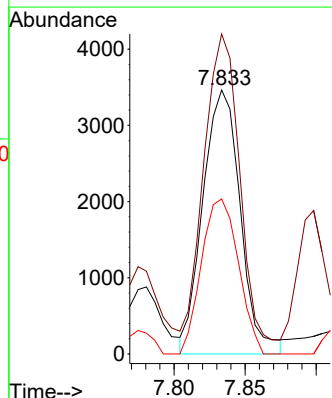
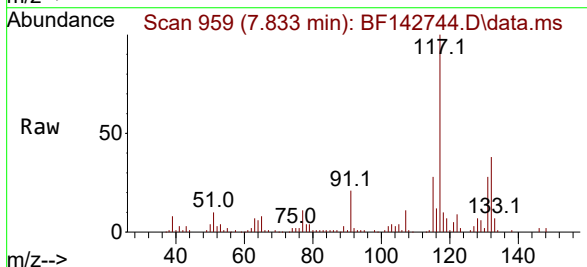
Tgt Ion:122 Resp: 6370

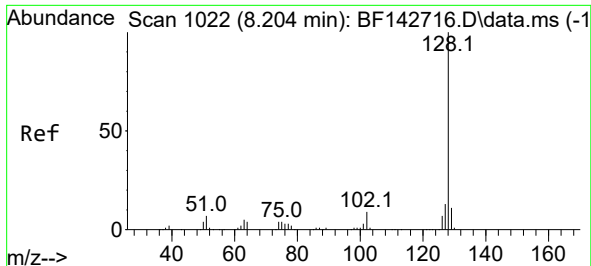
Ion Ratio Lower Upper

122 100

107 121.2 90.4 135.6

121 58.7 46.9 70.3

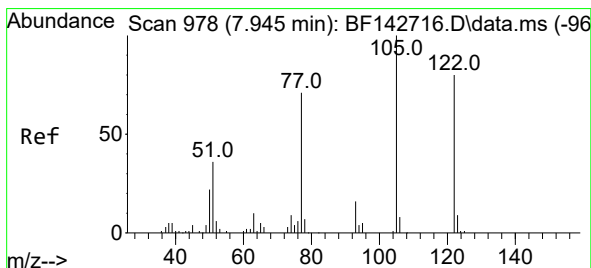
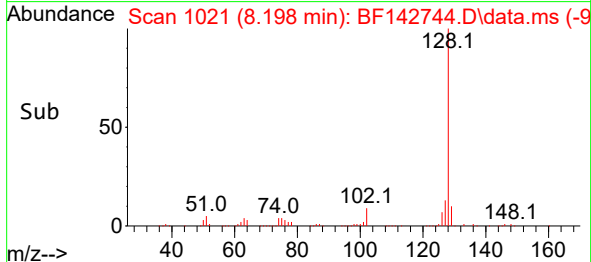
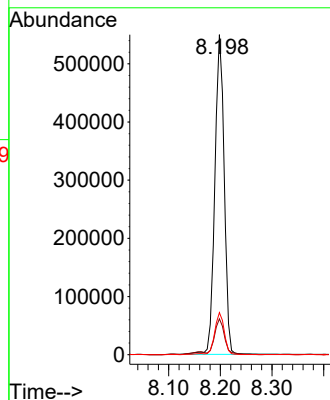
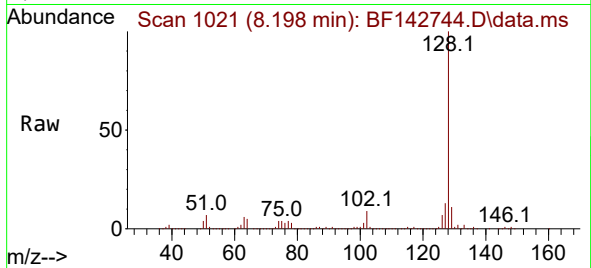




#31  
Naphthalene  
Concen: 70.573 ng  
RT: 8.198 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

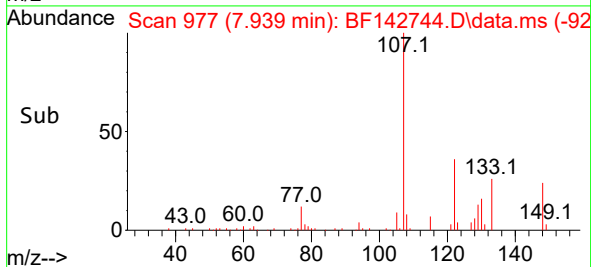
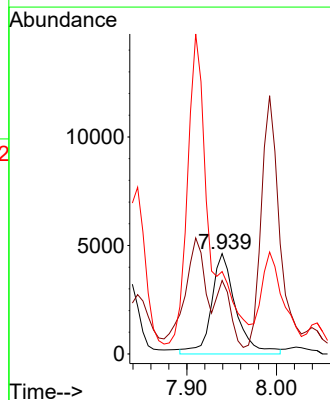
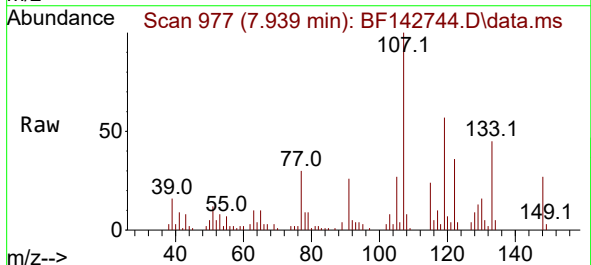
Instrument :  
BNA\_F  
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MW-2-20250605DL

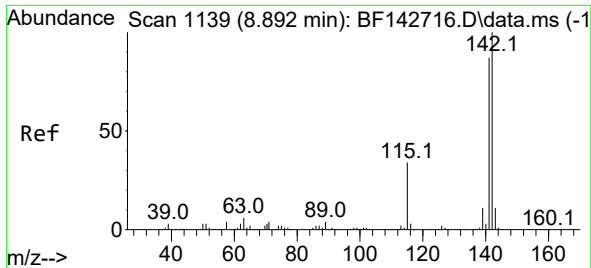
Tgt Ion:128 Resp: 693071  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.7 13.1  
127 13.2 10.4 15.6



#32  
Benzoic acid  
Concen: 5.053 ng  
RT: 7.939 min Scan# 977  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

Tgt Ion:122 Resp: 8708  
Ion Ratio Lower Upper  
122 100  
105 73.2 102.6 142.6#  
77 82.1 68.2 108.2

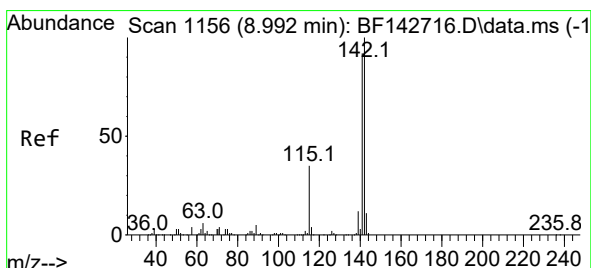
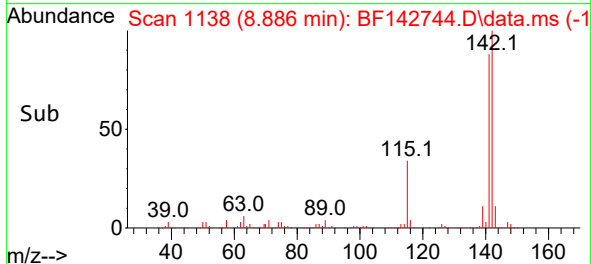
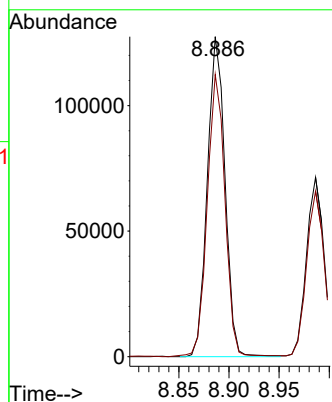
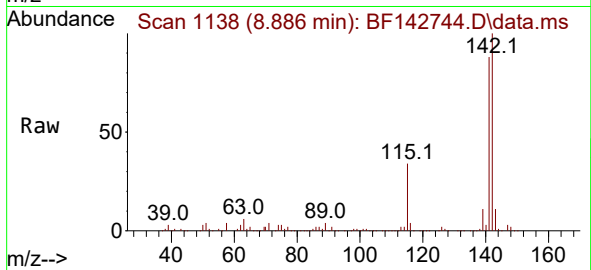




#37  
2-Methylnaphthalene  
Concen: 25.163 ng  
RT: 8.886 min Scan# 1138  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

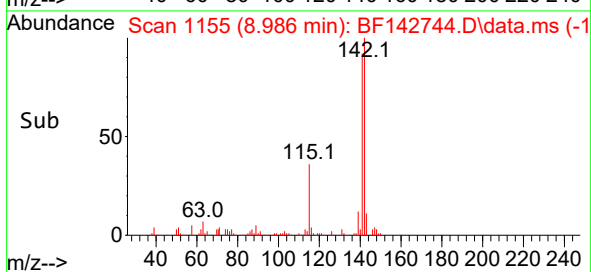
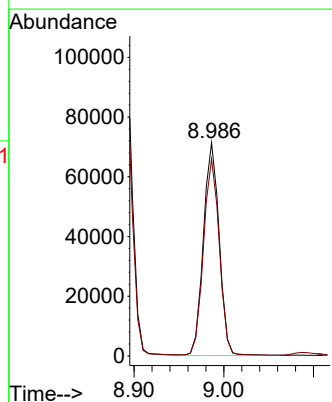
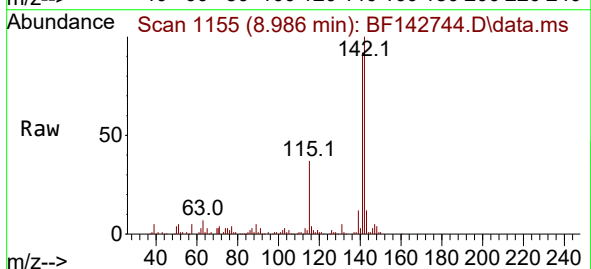
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-20250605DL

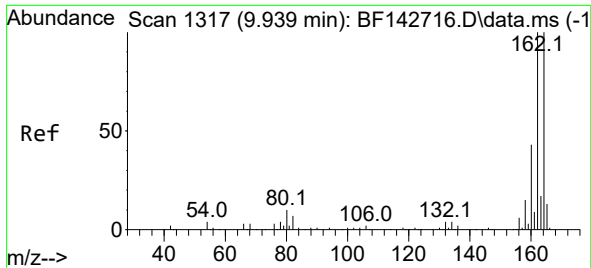
Tgt Ion:142 Resp: 156413  
Ion Ratio Lower Upper  
142 100  
141 88.1 69.9 104.9



#38  
1-Methylnaphthalene  
Concen: 13.504 ng  
RT: 8.986 min Scan# 1155  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

Tgt Ion:142 Resp: 86959  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.5 110.3

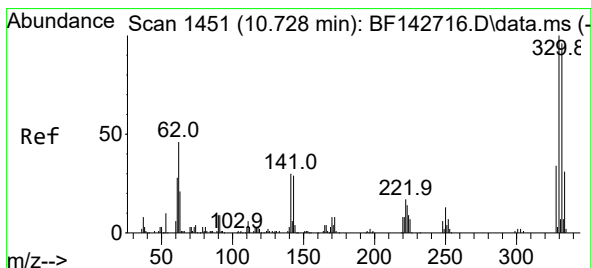
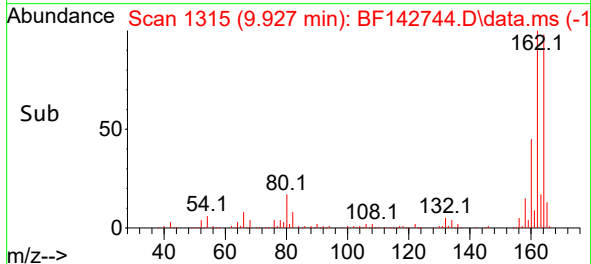
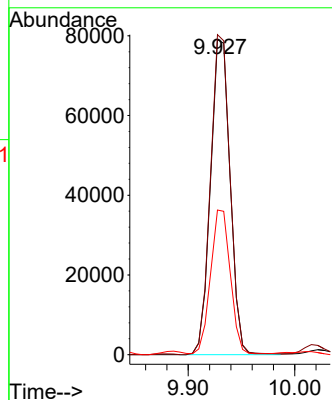
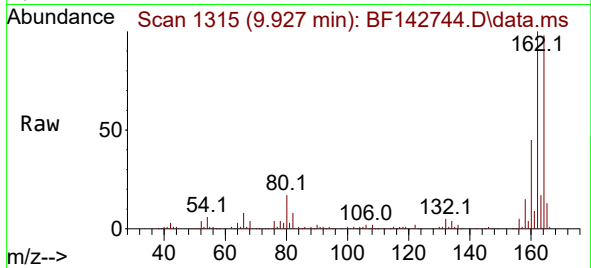




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

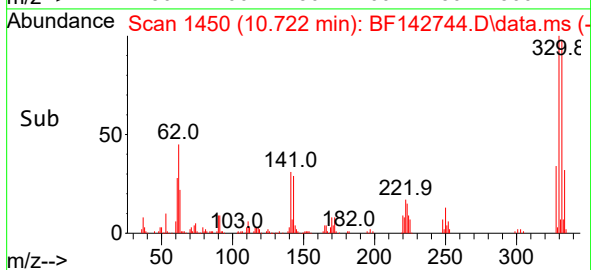
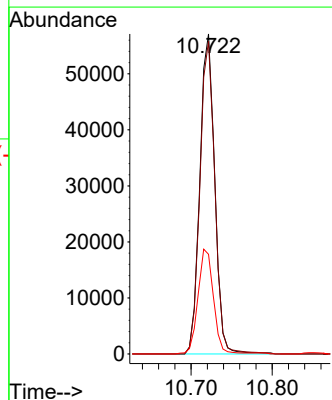
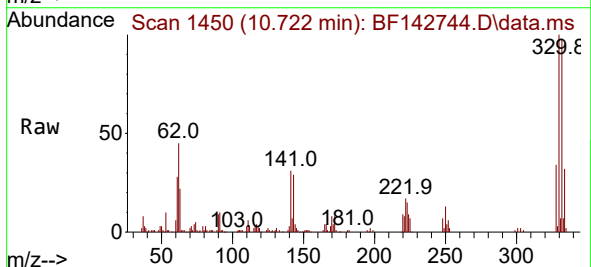
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-20250605DL

Tgt Ion:164 Resp: 101254  
Ion Ratio Lower Upper  
164 100  
162 101.6 79.9 119.9  
160 45.9 34.8 52.2

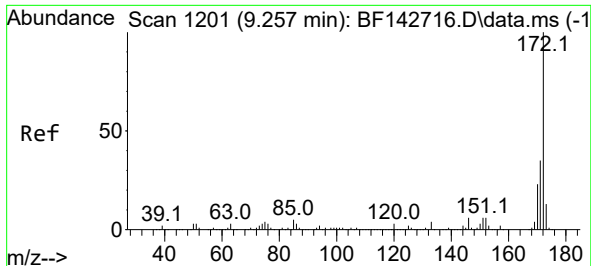


#42  
2,4,6-Tribromophenol  
Concen: 65.576 ng  
RT: 10.722 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

Tgt Ion:330 Resp: 72772  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.0 115.6  
141 34.2 25.4 38.0







#45

2-Fluorobiphenyl

Concen: 46.792 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA\_F

ClientSampleId :

MW-2-20250605DL

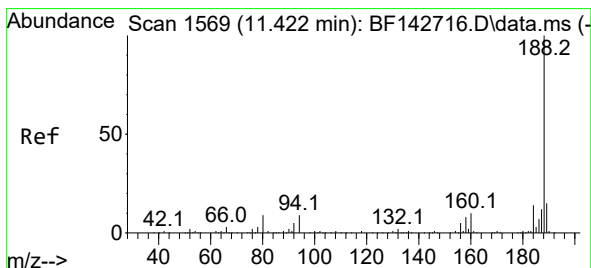
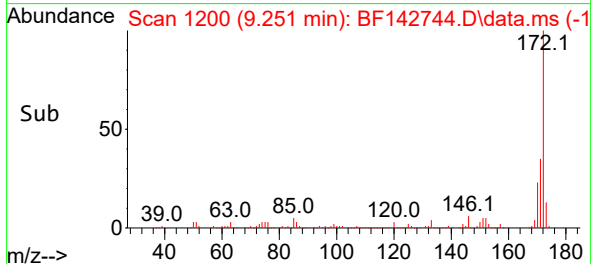
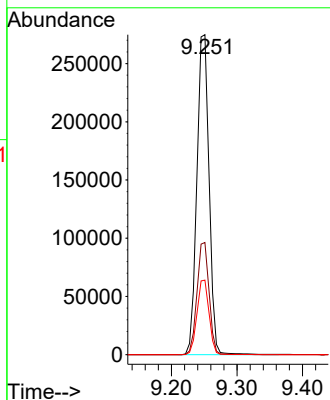
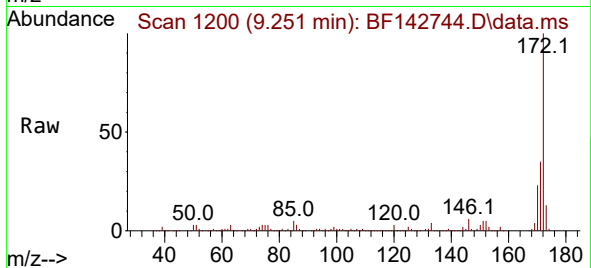
Tgt Ion:172 Resp: 356619

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.3 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

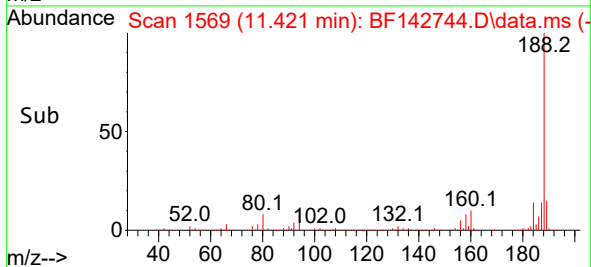
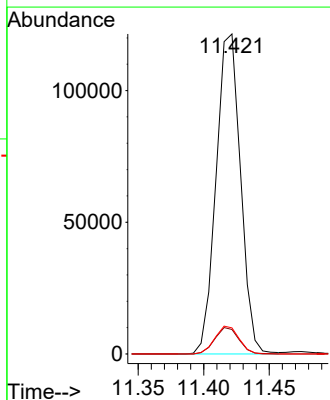
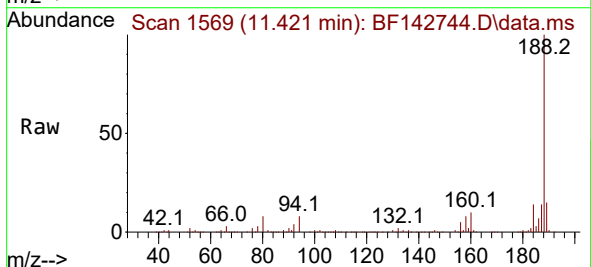
Tgt Ion:188 Resp: 157521

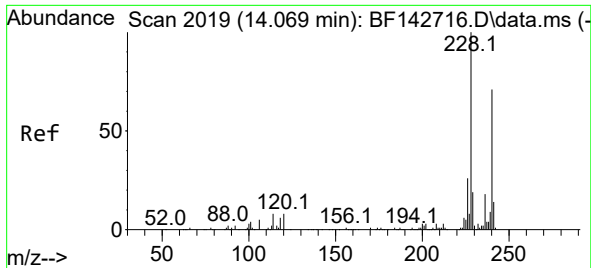
Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.1 7.1 10.7

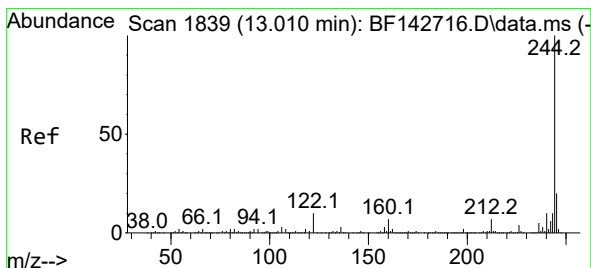
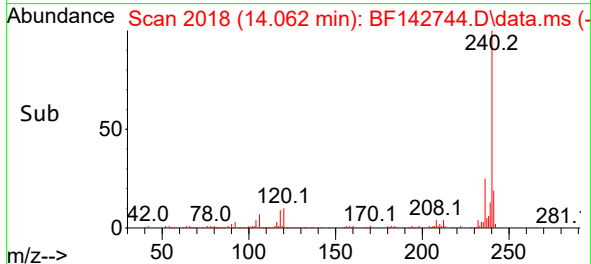
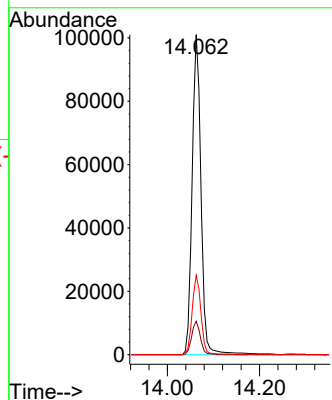
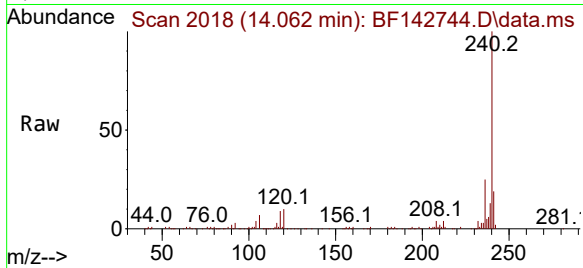




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.062 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

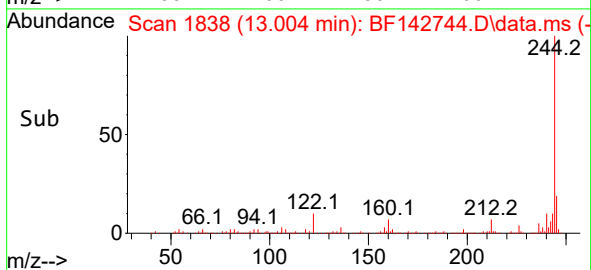
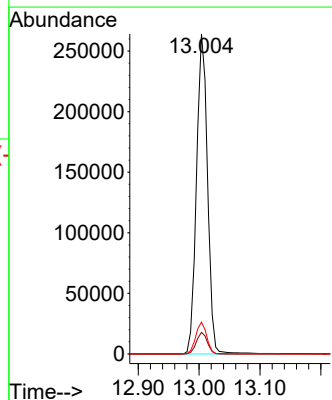
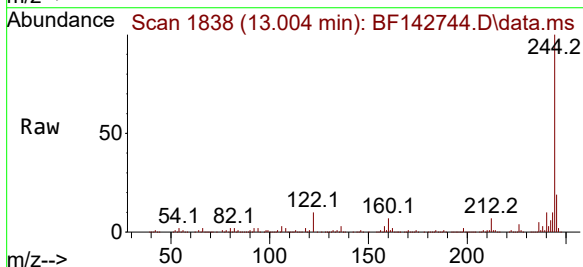
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-20250605DL

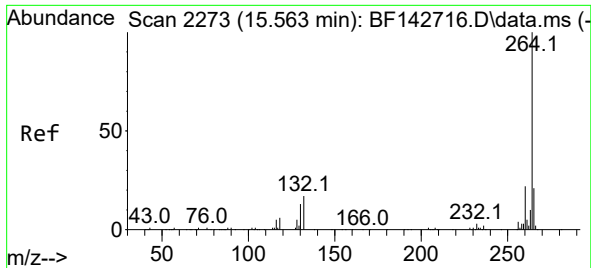
Tgt Ion:240 Resp: 134877  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.5 12.7  
236 24.8 20.1 30.1



#79  
Terphenyl-d14  
Concen: 33.937 ng  
RT: 13.004 min Scan# 1838  
Delta R.T. -0.006 min  
Lab File: BF142744.D  
Acq: 11 Jun 2025 19:48

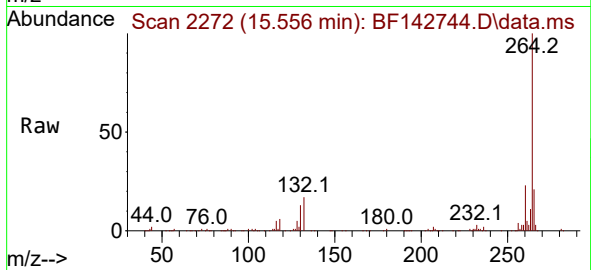
Tgt Ion:244 Resp: 333276  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.0  
122 10.0 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.556 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF142744.D  
 Acq: 11 Jun 2025 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-20250605DL



Tgt Ion:264 Resp: 150814  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 17.8 26.6  
 265 21.1 16.6 25.0

