

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061225\  
 Data File : BF142755.D  
 Acq On : 12 Jun 2025 13:59  
 Operator : RC/JU  
 Sample : Q2268-08DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250605DL

Quant Time: Jun 12 14:19:53 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

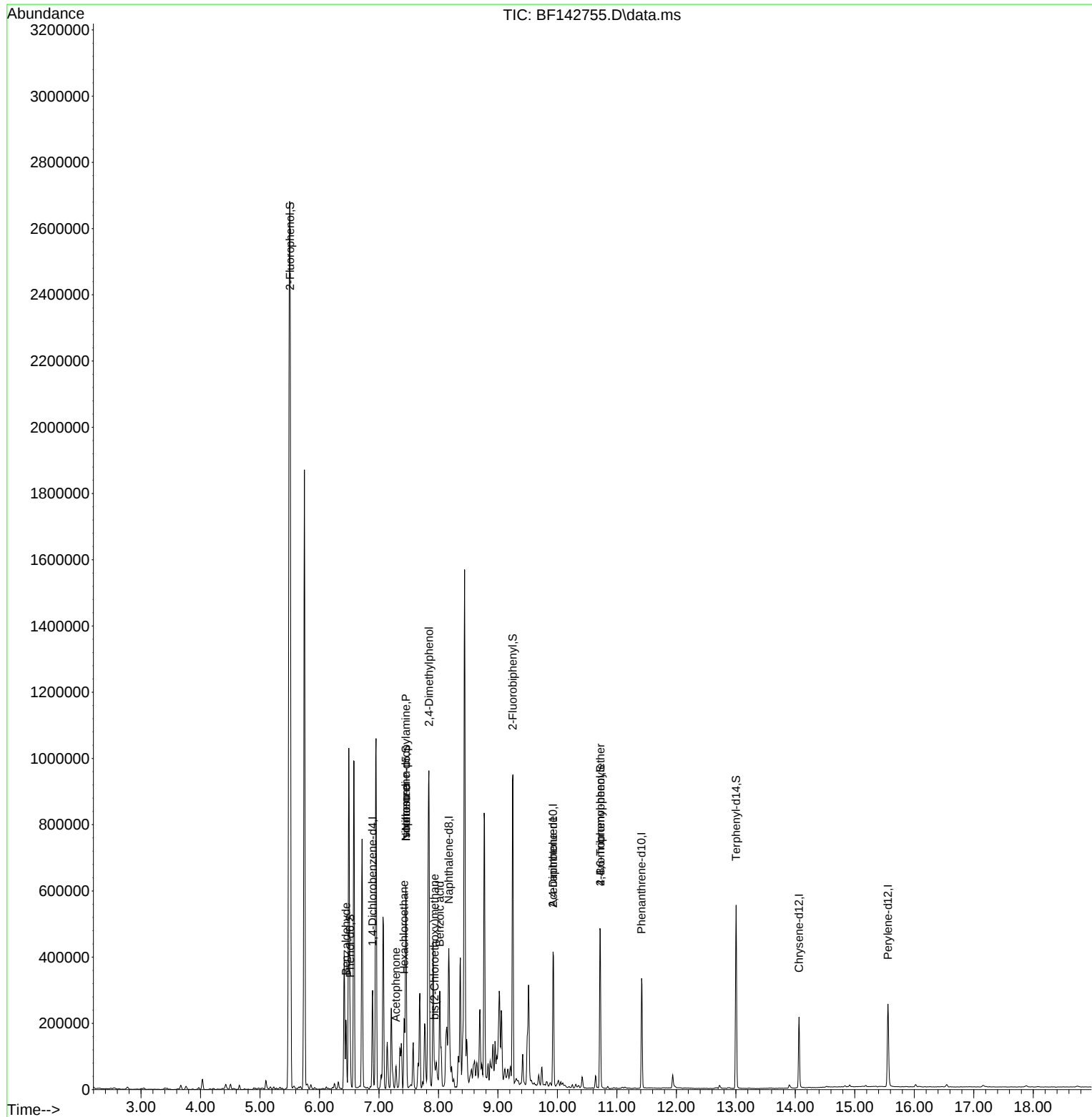
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 65644    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 239333   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 121845   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.416 | 188  | 175442   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.062 | 240  | 109504   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.556 | 264  | 154313   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 107560   | 27.907 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 88915    | 19.602 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 188909   | 43.197 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 84564    | 63.325 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 429065   | 46.784 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 268162   | 33.634 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 6.445  | 77   | 10404    | 3.704  | ng    | # 1      |
| 18) Hexachloroethane          | 7.422  | 117  | 10156    | 5.834  | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 26806    | 9.283  | ng    | # 76     |
| 22) Acetophenone              | 7.286  | 105  | 30605    | 5.749  | ng    | # 62     |
| 25) Isophorone                | 7.451  | 82   | 186927   | 25.245 | ng    | # 63     |
| 27) 2,4-Dimethylphenol        | 7.839  | 122  | 279285   | 75.729 | ng    | # 91     |
| 28) bis(2-Chloroethoxy)met... | 7.933  | 93   | 12277    | 2.671  | ng    | # 54     |
| 32) Benzoic acid              | 8.022  | 122  | 58456    | 28.145 | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.927  | 165  | 15499    | 6.666  | ng    | # 30     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 5344     | 2.581  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

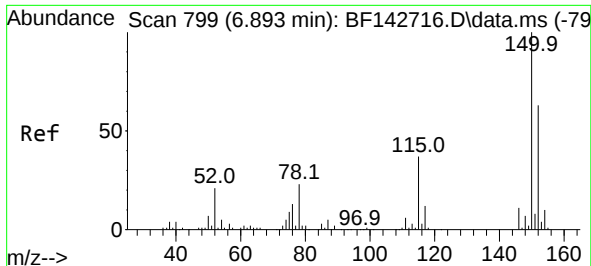
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061225\  
Data File : BF142755.D  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
MW-3-20250605DL

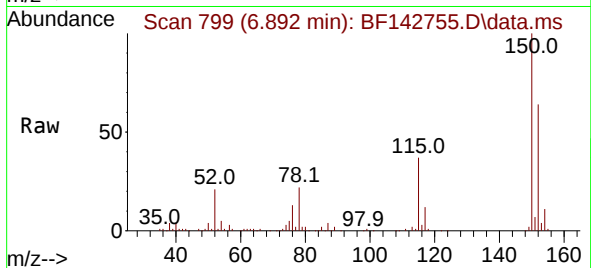
Quant Time: Jun 12 14:19:53 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 11 05:56:09 2025  
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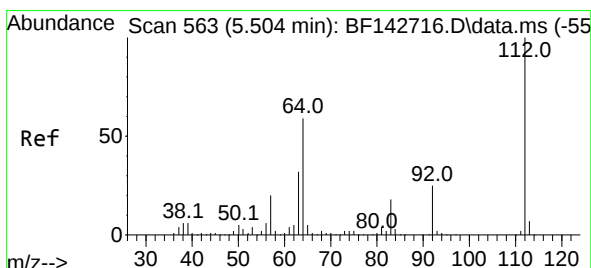
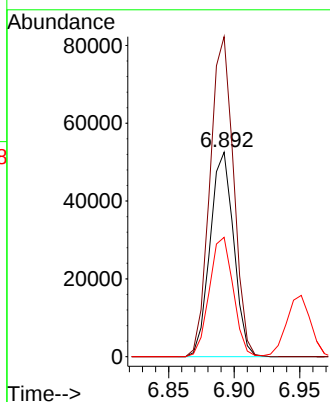
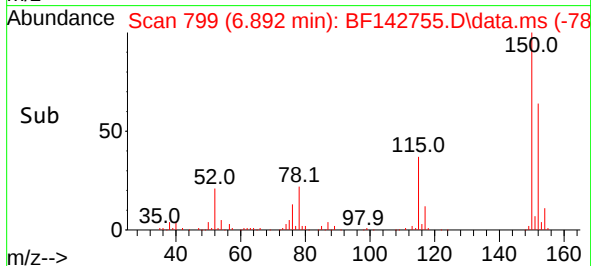


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 799  
Delta R.T. -0.001 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

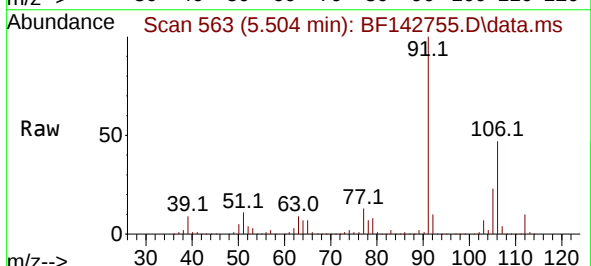
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL



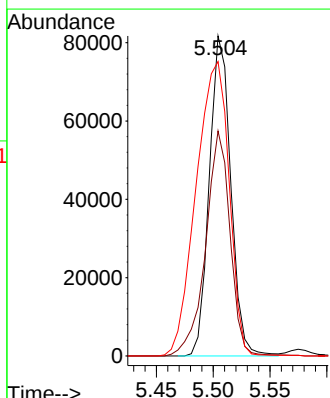
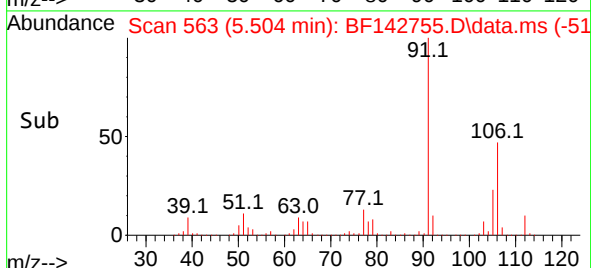
Tgt Ion:152 Resp: 65644  
Ion Ratio Lower Upper  
152 100  
150 156.5 126.9 190.3  
115 58.4 47.0 70.6

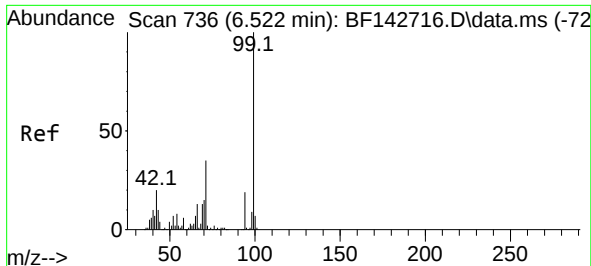


#5  
2-Fluorophenol  
Concen: 27.907 ng  
RT: 5.504 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59



Tgt Ion:112 Resp: 107560  
Ion Ratio Lower Upper  
112 100  
64 70.3 47.4 71.2  
63 92.0 25.4 38.0#





#7

Phenol-d6

Concen: 19.602 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250605DL

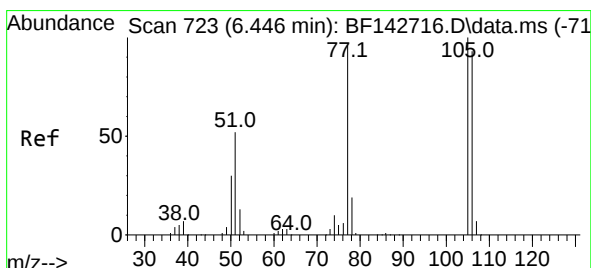
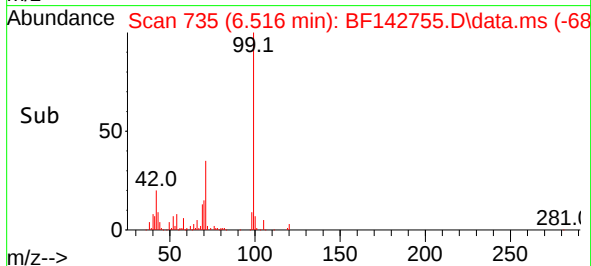
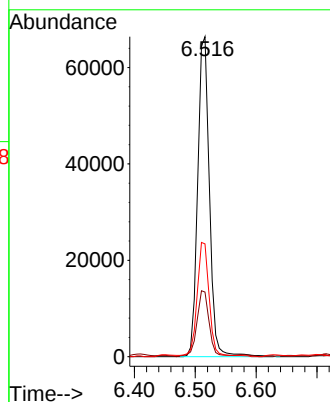
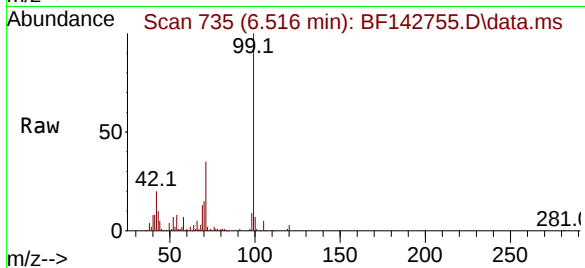
Tgt Ion: 99 Resp: 88915

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 35.3 28.0 42.0



#9

Benzaldehyde

Concen: 3.704 ng

RT: 6.445 min Scan# 723

Delta R.T. -0.001 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

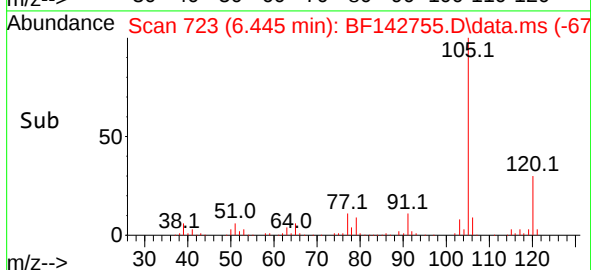
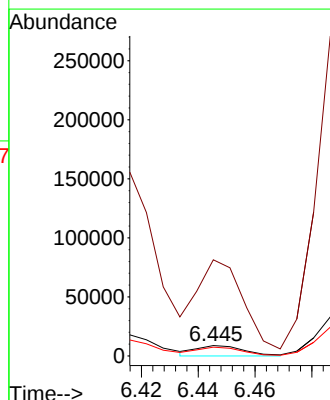
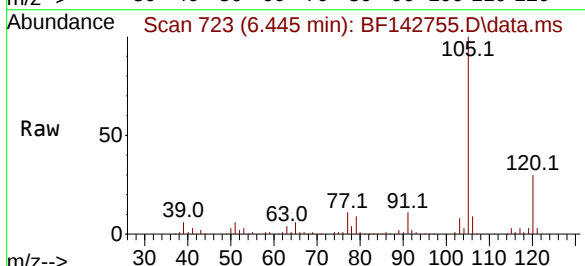
Tgt Ion: 77 Resp: 10404

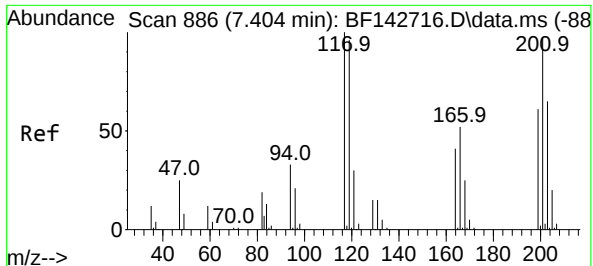
Ion Ratio Lower Upper

77 100

105 924.3 84.1 124.1#

106 84.2 77.2 117.2

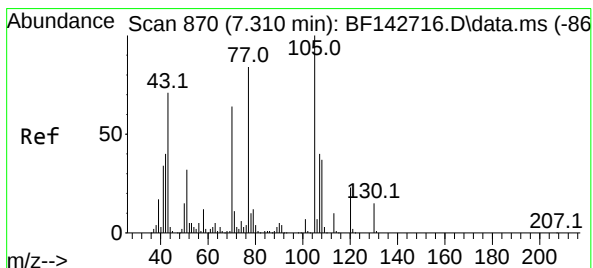
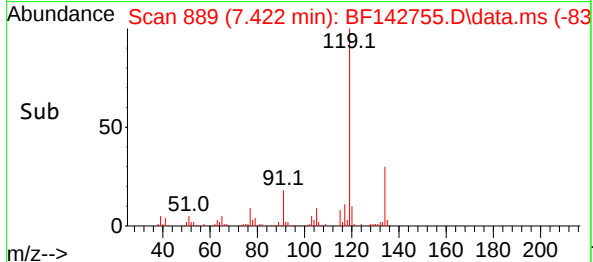
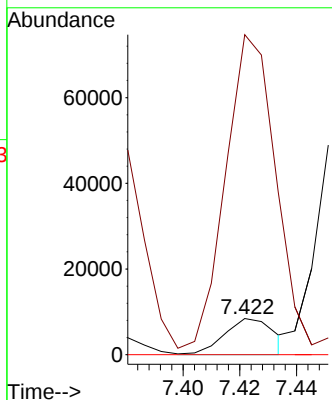
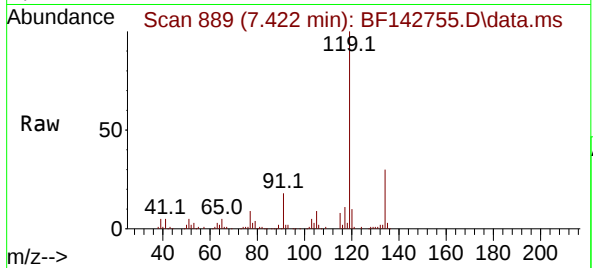




#18  
Hexachloroethane  
Concen: 5.834 ng  
RT: 7.422 min Scan# 886  
Delta R.T. 0.017 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

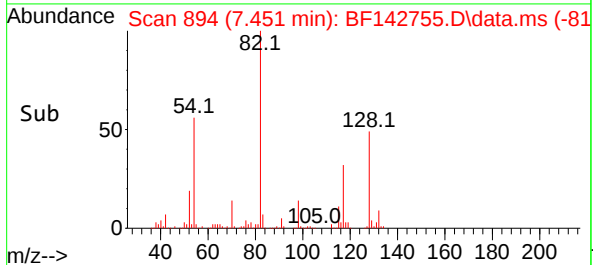
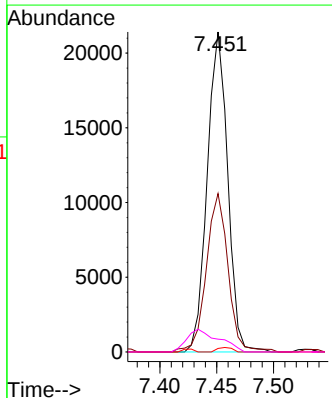
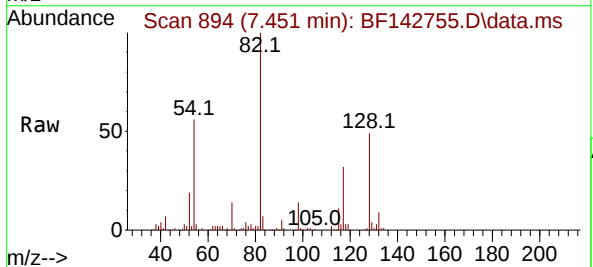
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL

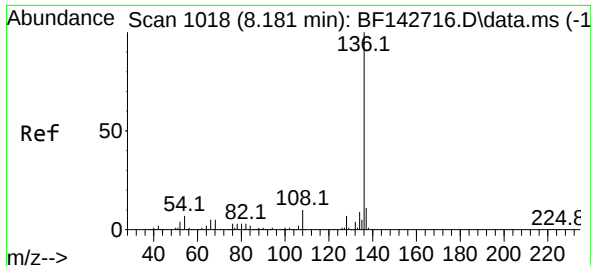
Tgt Ion:117 Resp: 10156  
Ion Ratio Lower Upper  
117 100  
119 883.0 76.4 114.6#  
201 0.0 77.8 116.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.283 ng  
RT: 7.451 min Scan# 894  
Delta R.T. 0.141 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

Tgt Ion: 70 Resp: 26806  
Ion Ratio Lower Upper  
70 100  
42 49.5 50.2 75.4#  
101 1.1 8.3 12.5#  
130 4.0 19.0 28.6#

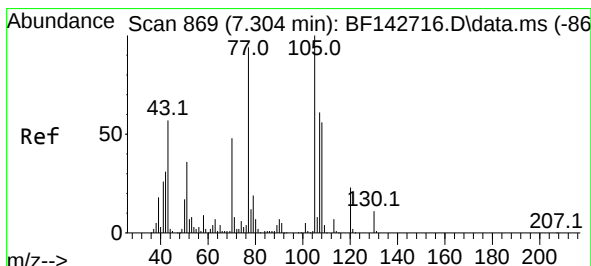
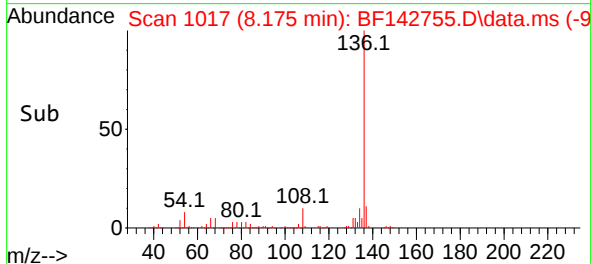
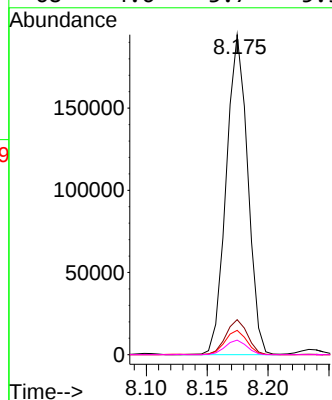
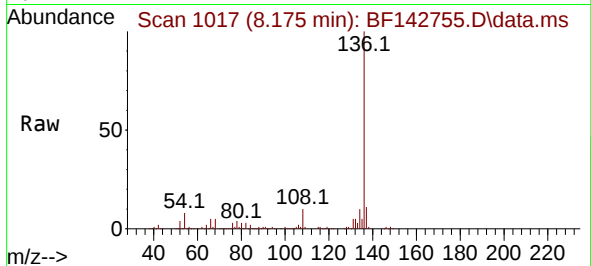




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

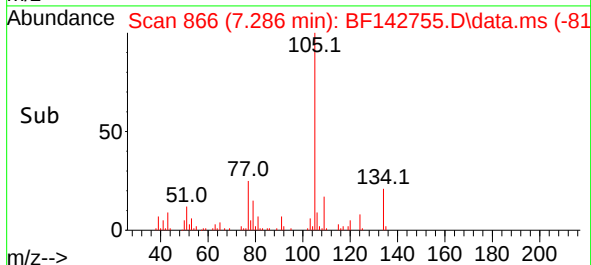
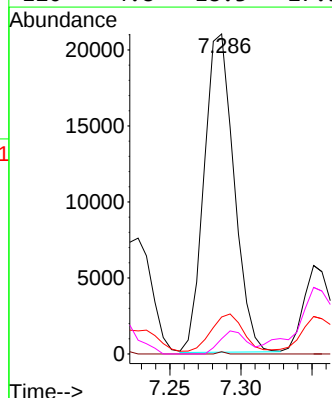
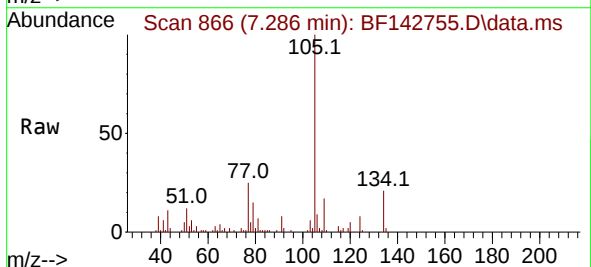
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL

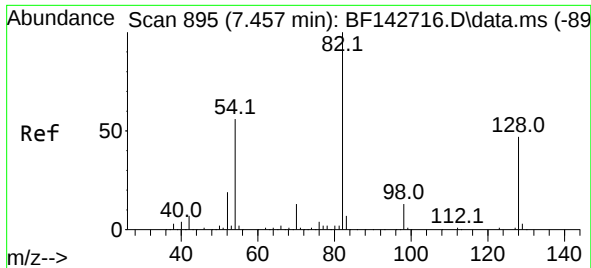
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 239333 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 8.7 13.1     |
| 54 7.6      | 5.9 8.9      |
| 68 4.6      | 3.7 5.5      |



#22  
Acetophenone  
Concen: 5.749 ng  
RT: 7.286 min Scan# 866  
Delta R.T. -0.018 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:105 | Resp: | 30605 |
| Ion | Ratio   | Lower | Upper |
| 105 | 100     |       |       |
| 71  | 0.7     | 6.4   | 9.6#  |
| 51  | 11.6    | 29.1  | 43.7# |
| 120 | 4.8     | 18.3  | 27.5# |





#23

Nitrobenzene-d5

Concen: 43.197 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250605DL

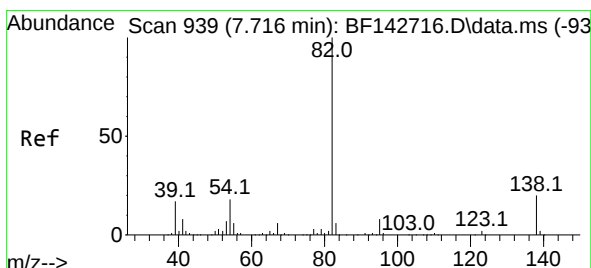
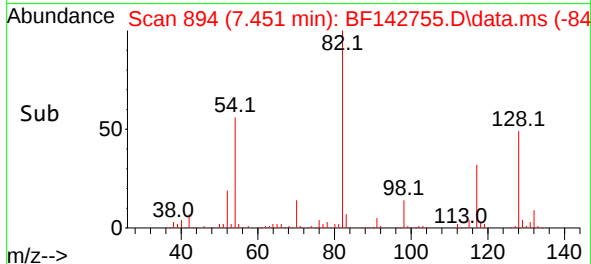
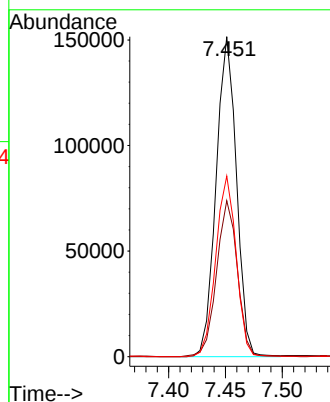
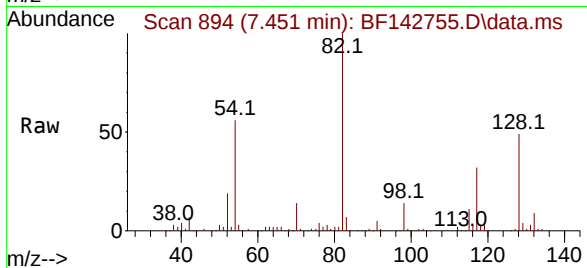
Tgt Ion: 82 Resp: 188909

Ion Ratio Lower Upper

82 100

128 48.8 37.8 56.8

54 56.5 44.9 67.3



#25

Isophorone

Concen: 25.245 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.265 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

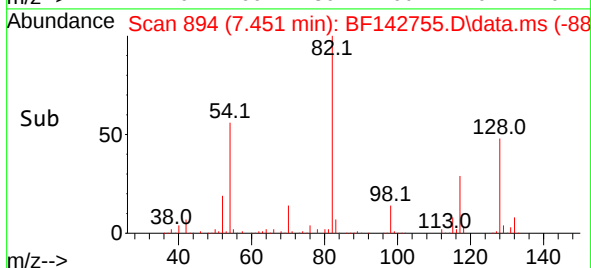
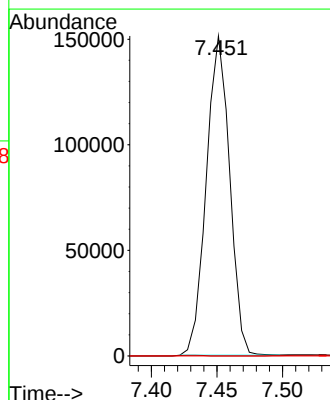
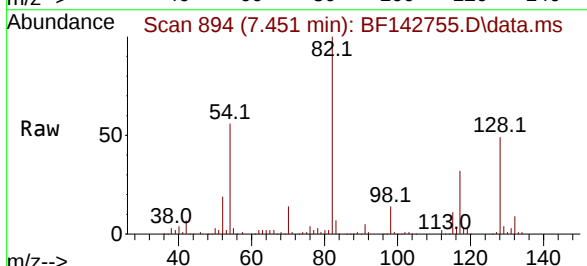
Tgt Ion: 82 Resp: 186927

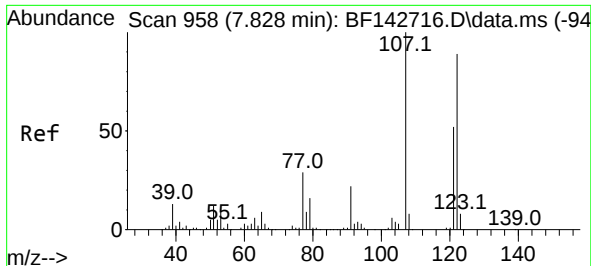
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.8 23.6#





#27

2,4-Dimethylphenol

Concen: 75.729 ng

RT: 7.839 min Scan# 9

Delta R.T. 0.012 min

Lab File: BF142755.D

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MW-3-20250605DL

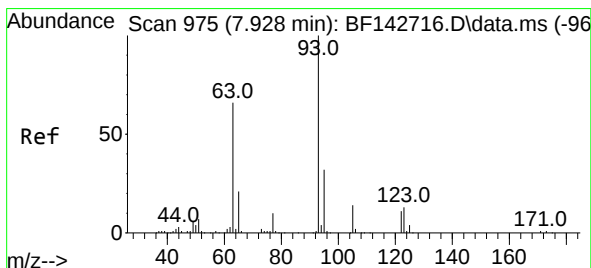
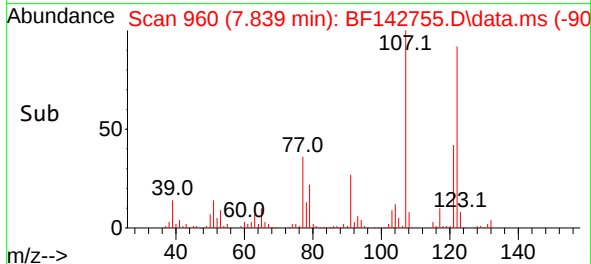
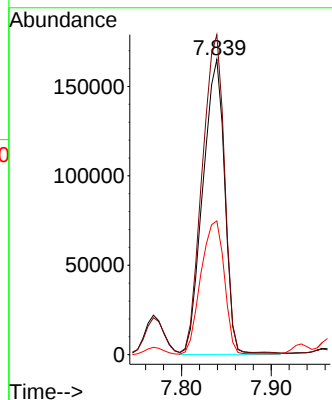
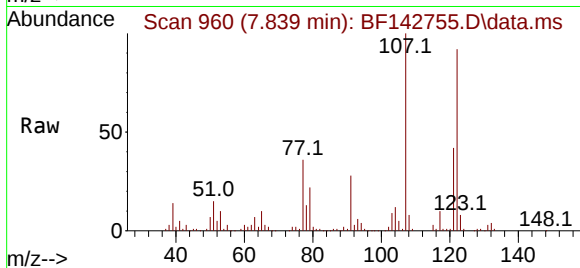
Tgt Ion:122 Resp: 279285

Ion Ratio Lower Upper

122 100

107 108.4 90.4 135.6

121 45.3 46.9 70.3#



#28

bis(2-Chloroethoxy)methane

Concen: 2.671 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

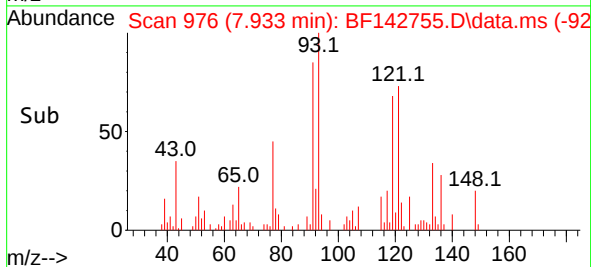
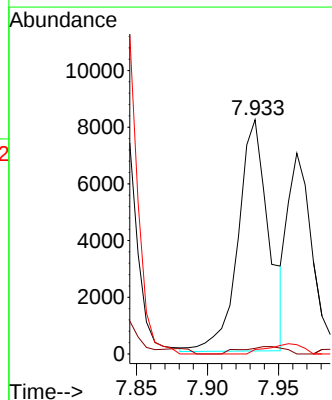
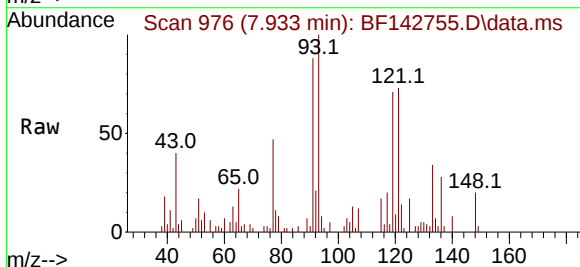
Tgt Ion: 93 Resp: 12277

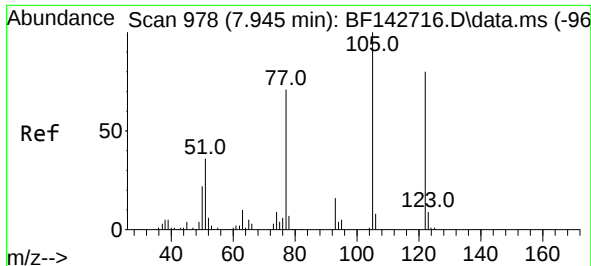
Ion Ratio Lower Upper

93 100

95 2.4 25.9 38.9#

123 1.9 10.3 15.5#

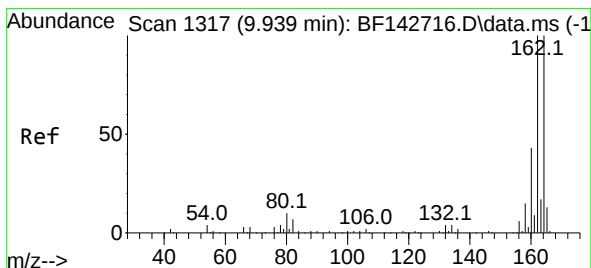
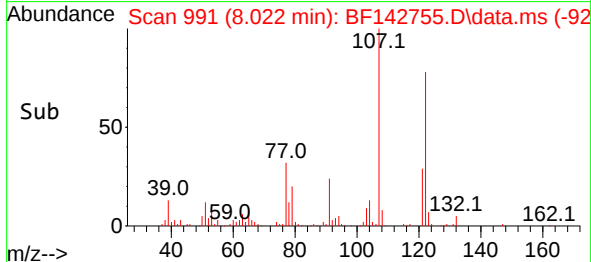
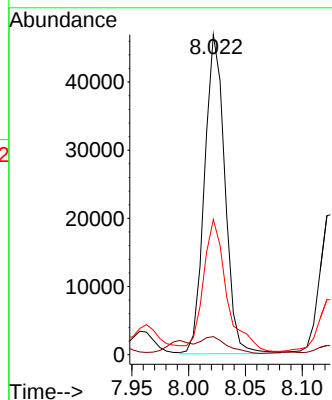
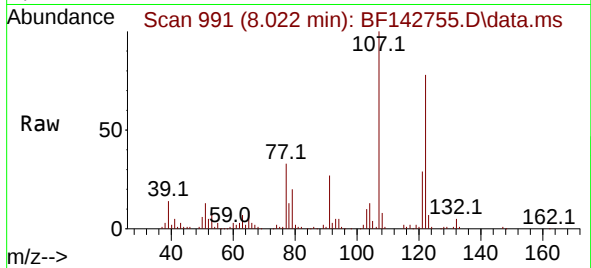




#32  
Benzoic acid  
Concen: 28.145 ng  
RT: 8.022 min Scan# 91  
Delta R.T. 0.076 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

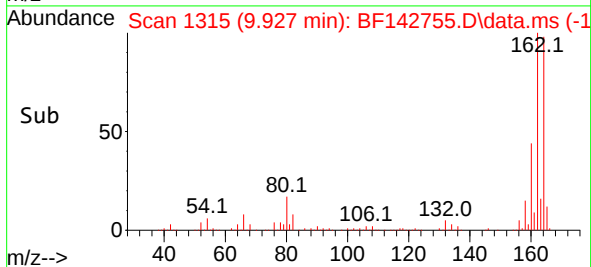
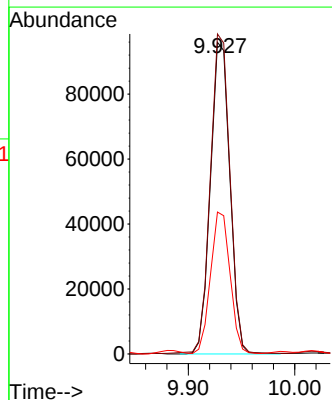
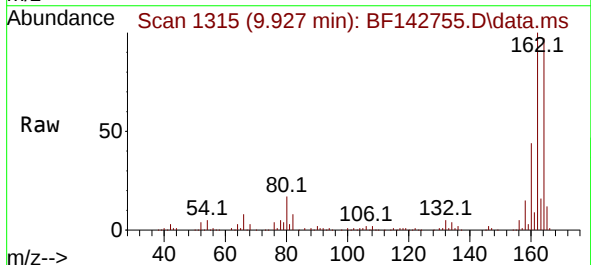
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL

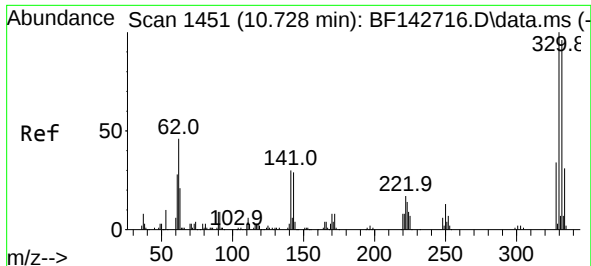
Tgt Ion:122 Resp: 58456  
Ion Ratio Lower Upper  
122 100  
105 5.6 102.6 142.6#  
77 42.2 68.2 108.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

Tgt Ion:164 Resp: 121845  
Ion Ratio Lower Upper  
164 100  
162 102.7 79.9 119.9  
160 45.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 63.325 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142755.D

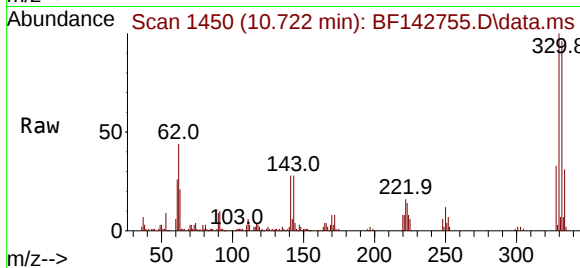
Acq: 12 Jun 2025 13:59

Instrument :

BNA\_F

ClientSampleId :

MW-3-20250605DL



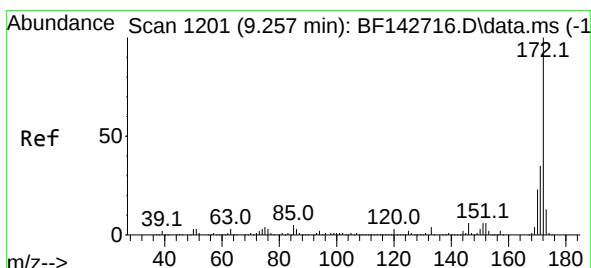
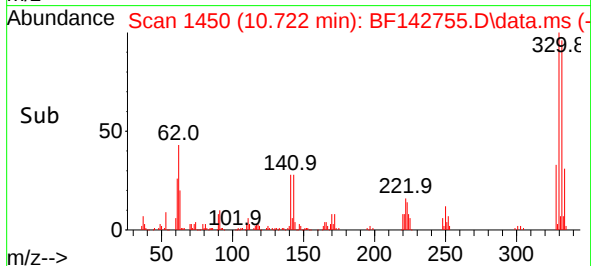
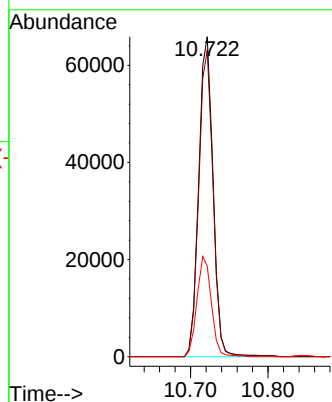
Tgt Ion:330 Resp: 84564

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

141 31.5 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 46.784 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

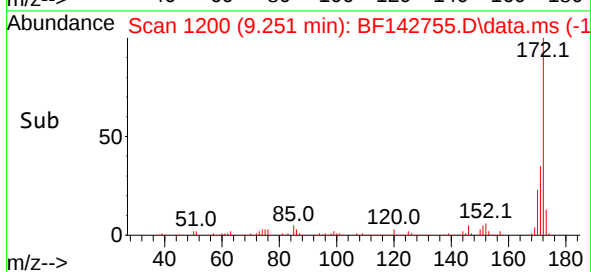
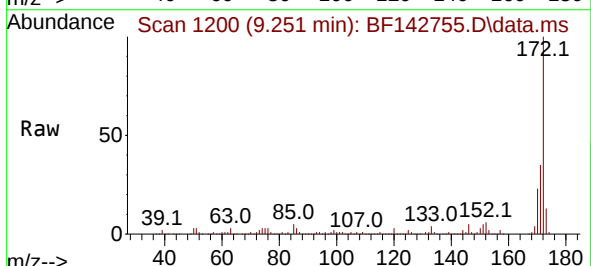
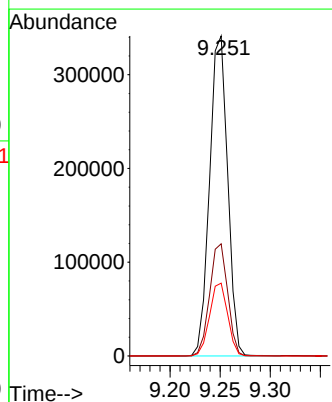
Tgt Ion:172 Resp: 429065

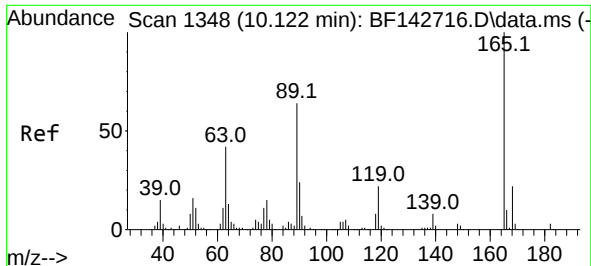
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

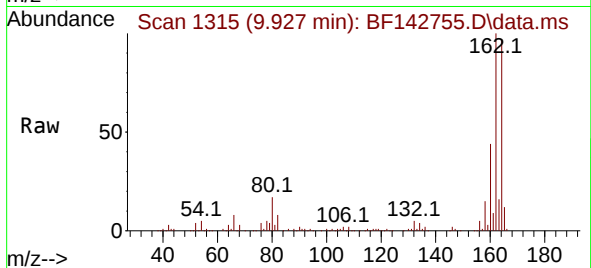
170 22.8 18.6 27.8



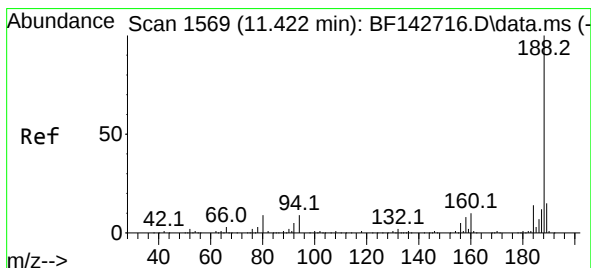
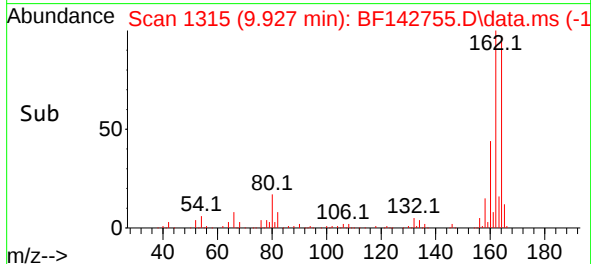
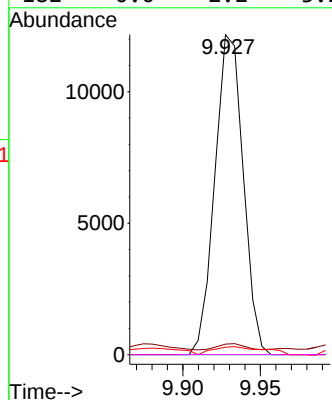


#57  
2,4-Dinitrotoluene  
Concen: 6.666 ng  
RT: 9.927 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL

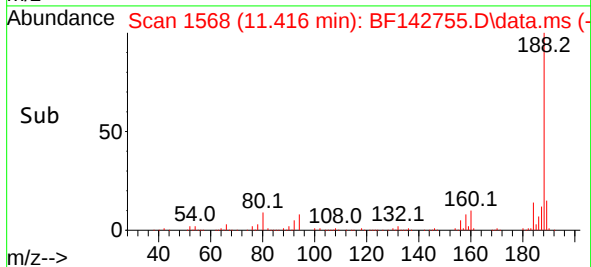
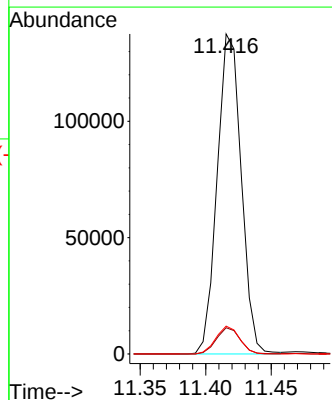
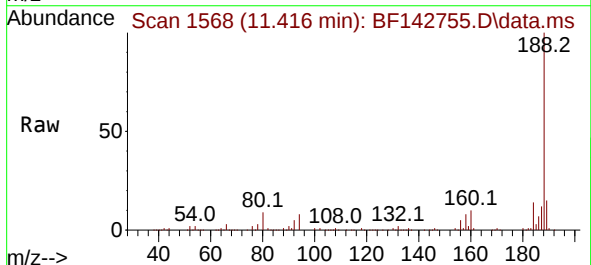


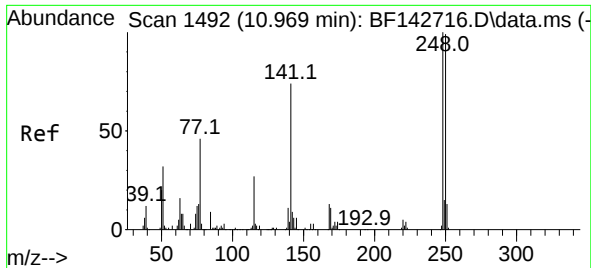
Tgt Ion:165 Resp: 15499  
Ion Ratio Lower Upper  
165 100  
63 3.3 34.1 51.1#  
89 2.4 50.8 76.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

Tgt Ion:188 Resp: 175442  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.8 10.2  
80 8.7 7.1 10.7

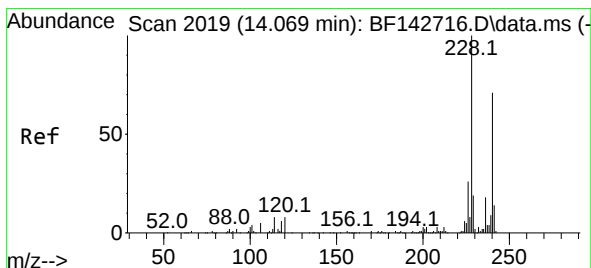
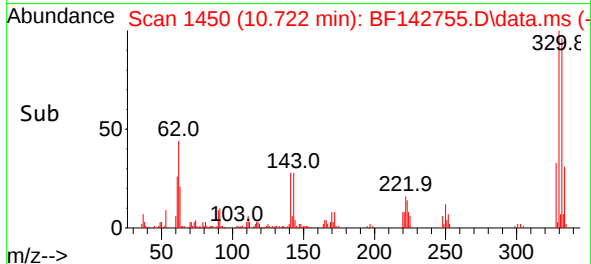
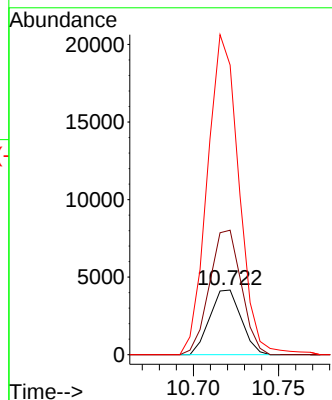
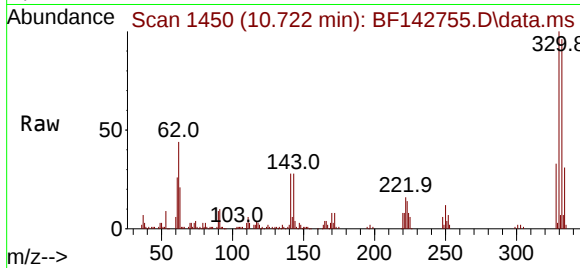




#67  
4-Bromophenyl-phenylether  
Concen: 2.581 ng  
RT: 10.722 min Scan# 1492  
Delta R.T. -0.247 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

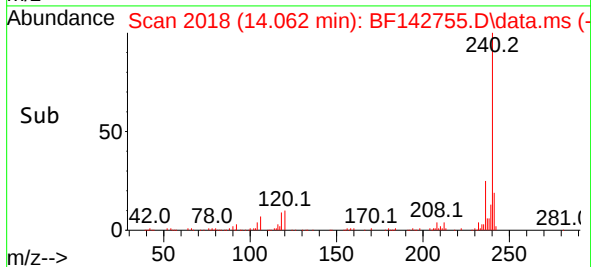
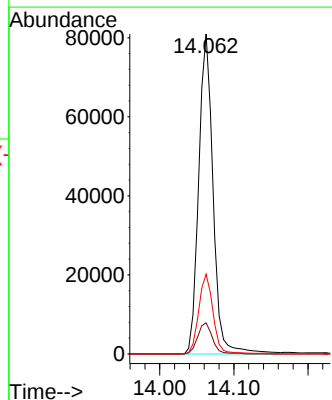
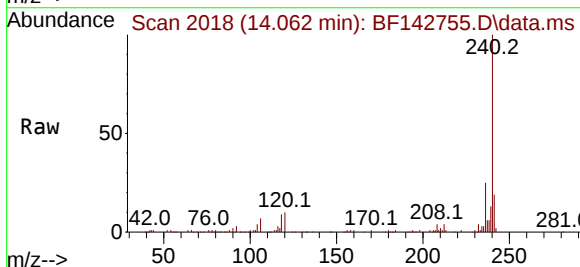
Instrument :  
BNA\_F  
ClientSampleId :  
MW-3-20250605DL

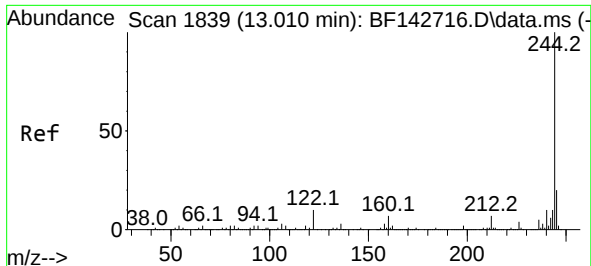
Tgt Ion:248 Resp: 5344  
Ion Ratio Lower Upper  
248 100  
250 192.4 79.2 118.8#  
141 447.7 59.3 88.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.062 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF142755.D  
Acq: 12 Jun 2025 13:59

Tgt Ion:240 Resp: 109504  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.5 12.7  
236 24.9 20.1 30.1

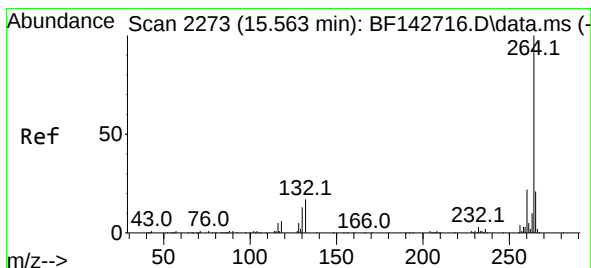
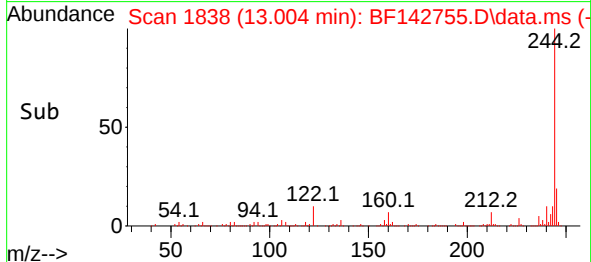
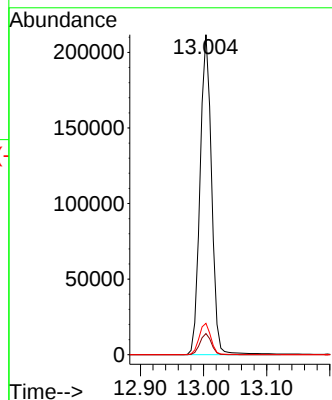
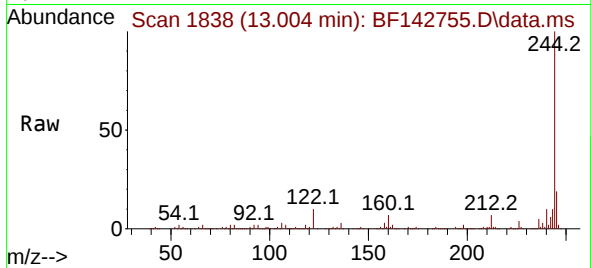




#79  
 Terphenyl-d14  
 Concen: 33.634 ng  
 RT: 13.004 min Scan# 1838  
 Delta R.T. -0.006 min  
 Lab File: BF142755.D  
 Acq: 12 Jun 2025 13:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3-20250605DL

Tgt Ion:244 Resp: 268162  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 9.8 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.556 min Scan# 2272  
 Delta R.T. -0.006 min  
 Lab File: BF142755.D  
 Acq: 12 Jun 2025 13:59

Tgt Ion:264 Resp: 154313  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 17.8 26.6  
 265 21.1 16.6 25.0

