

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
 Data File : BF143386.D  
 Acq On : 14 Aug 2025 17:26  
 Operator : RC/JU  
 Sample : Q2814-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-38M-E

Quant Time: Aug 14 18:06:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 12 13:25:39 2025  
 Response via : Initial Calibration

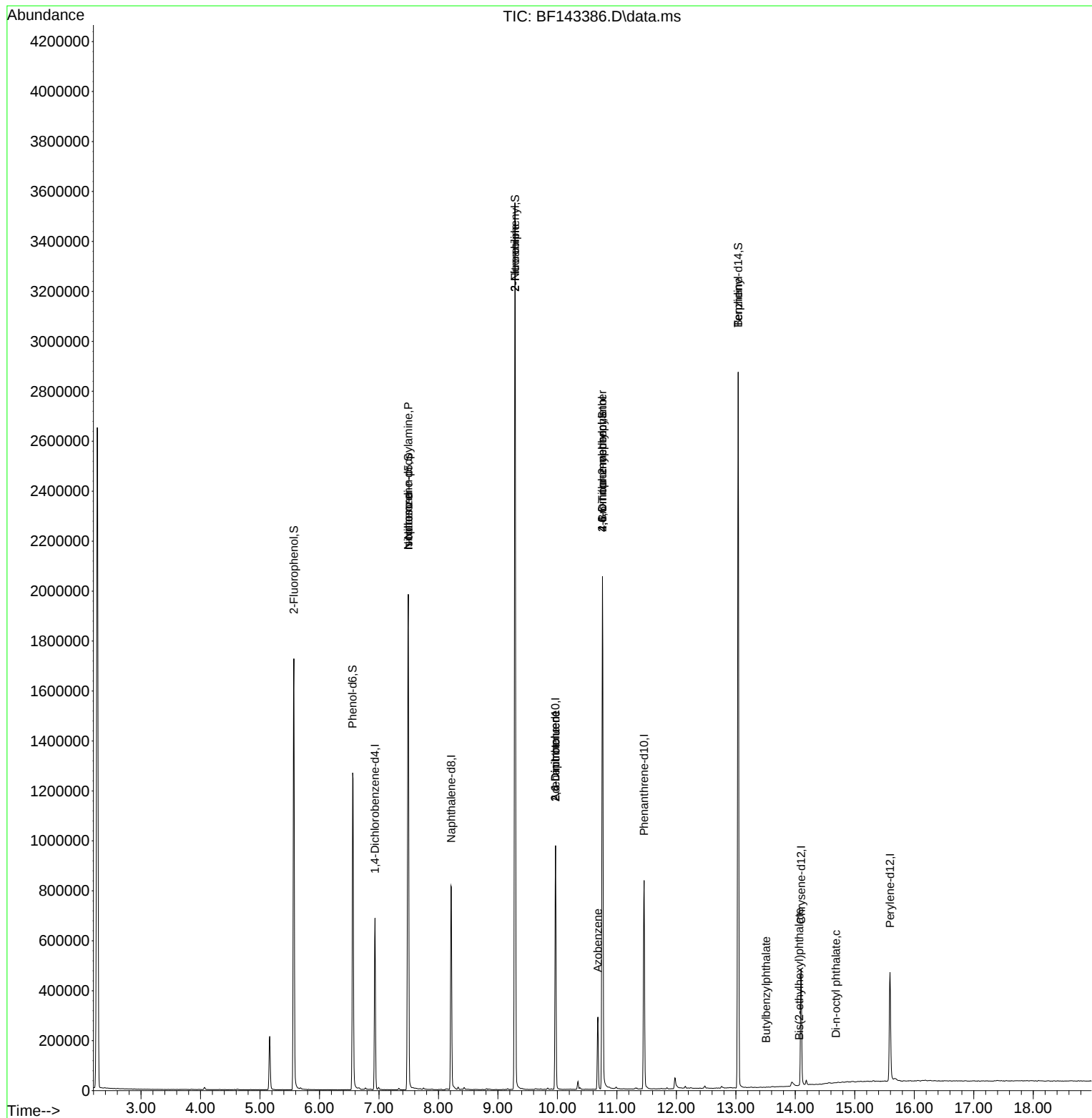
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.934  | 152  | 141367   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.216  | 136  | 547406   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.969  | 164  | 290207   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 435103   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.098 | 240  | 245198   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.592 | 264  | 276692   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.569  | 112  | 636257   | 77.829  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.557  | 99   | 598640   | 57.104  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.492  | 82   | 923972   | 105.112 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 373419   | 176.067 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 1605990  | 93.842  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.039 | 244  | 1404023  | 102.230 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.492  | 70   | 124593   | 19.234  | ng    | # 79     |
| 25) Isophorone                | 7.492  | 82   | 895526   | 49.904  | ng    | # 65     |
| 48) 2-Nitroaniline            | 9.286  | 65   | 2654     | 3.302   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.969  | 165  | 37462    | 13.917  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.969  | 165  | 37462    | 11.259  | ng    | # 19     |
| 63) Azobenzene                | 10.681 | 77   | 74401    | 4.288   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.757 | 198  | 700      | 7.599   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.757 | 248  | 24543    | 4.932   | ng    | # 1      |
| 77) Benzidine                 | 13.039 | 184  | 16608    | 2.478   | ng    | # 95     |
| 80) Butylbenzylphthalate      | 13.510 | 149  | 113      | 3.377   | ng    | # 9      |
| 84) Bis(2-ethylhexyl)phtha... | 14.069 | 149  | 1000     | 4.143   | ng    | # 89     |
| 85) Di-n-octyl phthalate      | 14.686 | 149  | 72       | 6.030   | ng    | # 70     |
| -----                         |        |      |          |         |       |          |

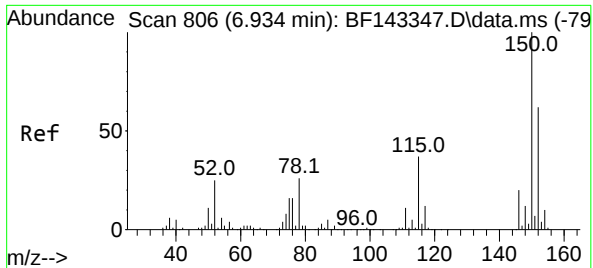
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
Data File : BF143386.D  
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Sample : Q2814-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

Quant Time: Aug 14 18:06:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 12 13:25:39 2025  
Response via : Initial Calibration

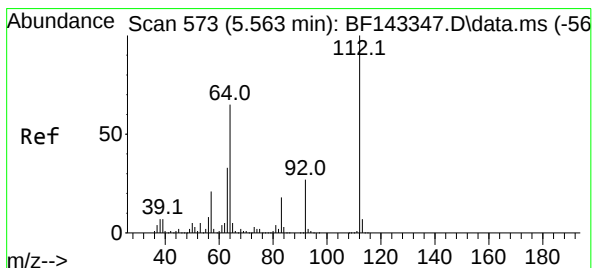
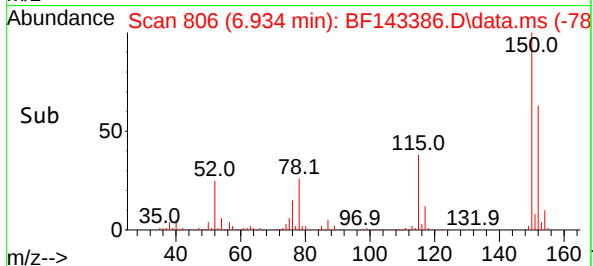
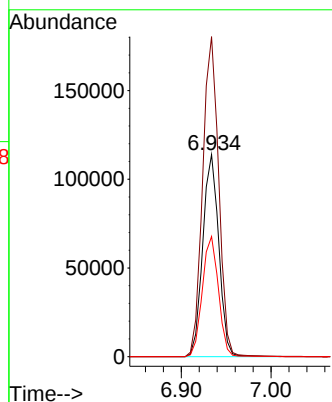
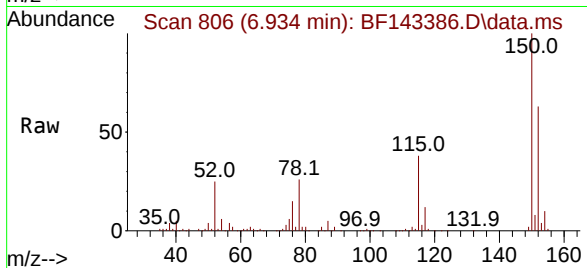




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.934 min Scan# 806  
 Delta R.T. -0.000 min  
 Lab File: BF143386.D  
 Acq: 14 Aug 2025 17:26

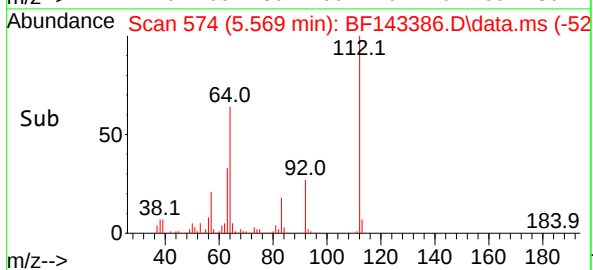
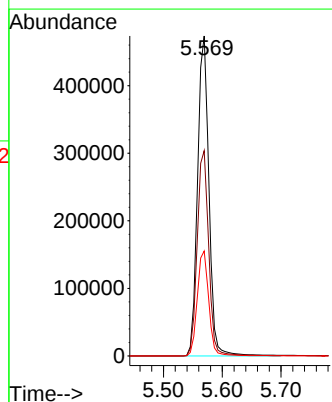
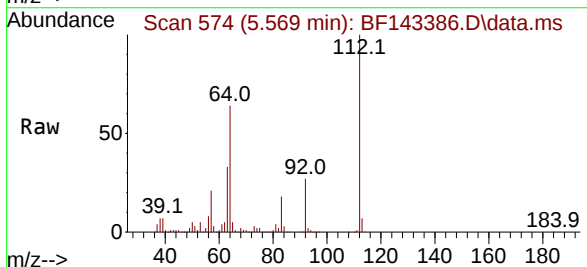
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-38M-E

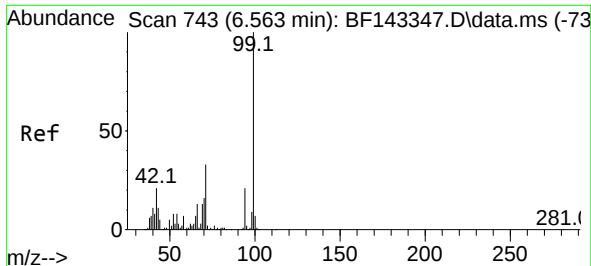
Tgt Ion:152 Resp: 141367  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 129.8 194.8  
 115 59.5 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 77.829 ng  
 RT: 5.569 min Scan# 574  
 Delta R.T. 0.006 min  
 Lab File: BF143386.D  
 Acq: 14 Aug 2025 17:26

Tgt Ion:112 Resp: 636257  
 Ion Ratio Lower Upper  
 112 100  
 64 64.1 52.1 78.1  
 63 32.8 26.6 39.8

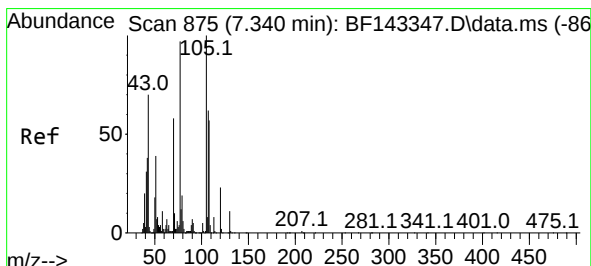
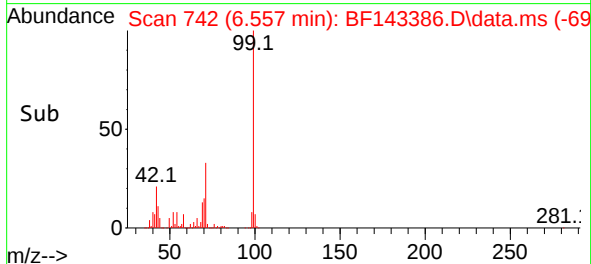
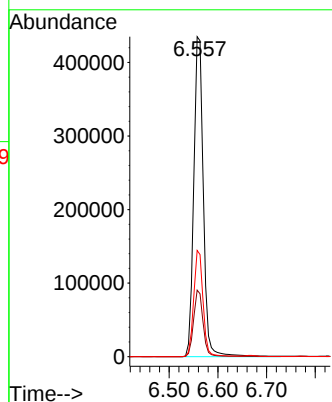
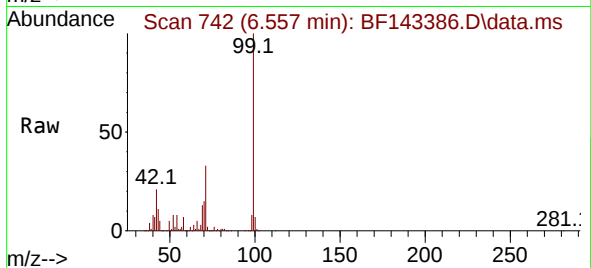




#7  
Phenol-d6  
Concen: 57.104 ng  
RT: 6.557 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

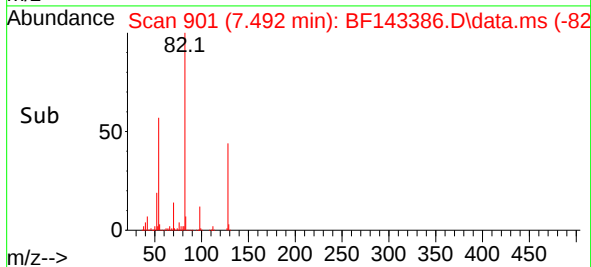
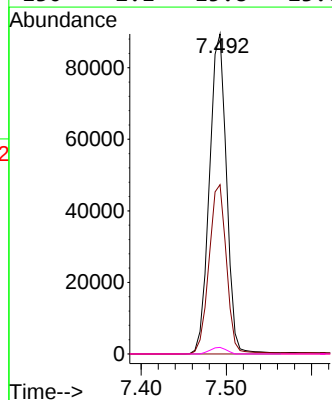
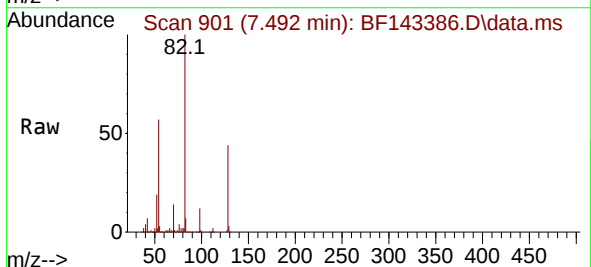
Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

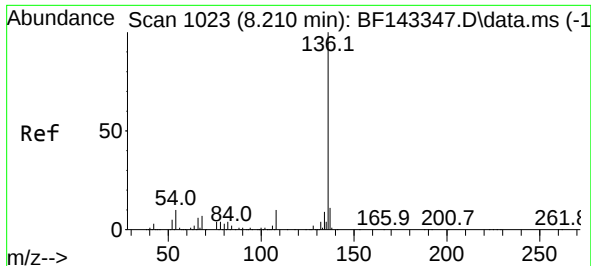
Tgt Ion: 99 Resp: 598640  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.6 25.0  
71 33.2 26.2 39.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.234 ng  
RT: 7.492 min Scan# 901  
Delta R.T. 0.153 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion: 70 Resp: 124593  
Ion Ratio Lower Upper  
70 100  
42 52.9 51.6 77.4  
101 0.0 7.5 11.3#  
130 2.1 15.8 23.6#

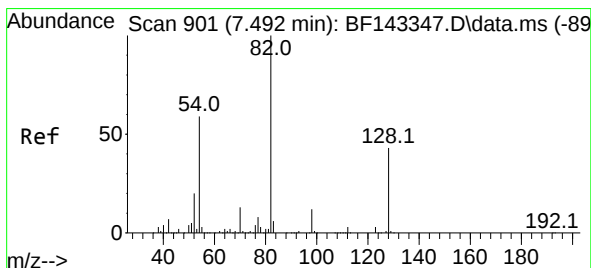
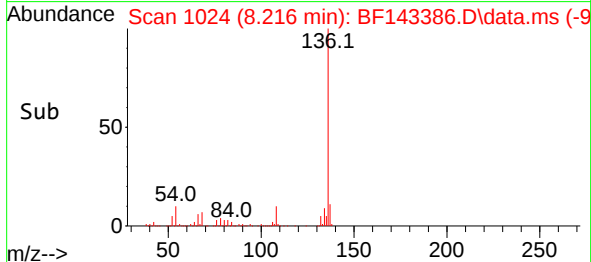
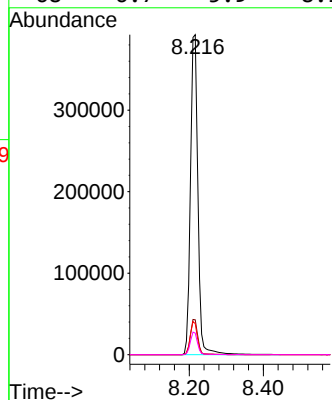
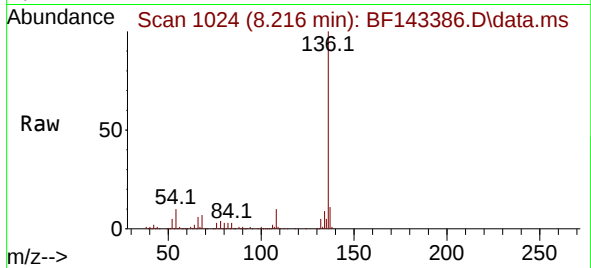




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.216 min Scan# 1024  
Delta R.T. 0.006 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

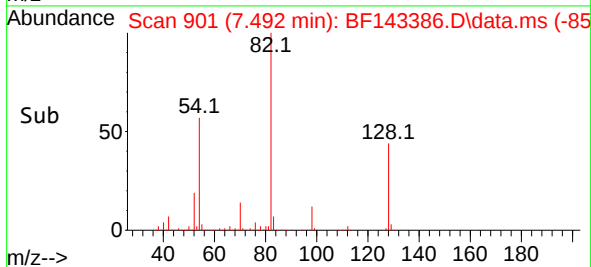
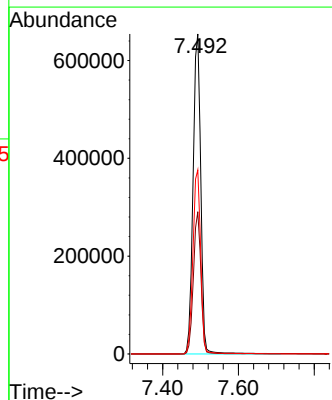
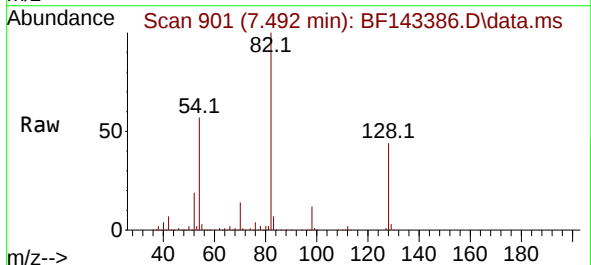
Instrument :  
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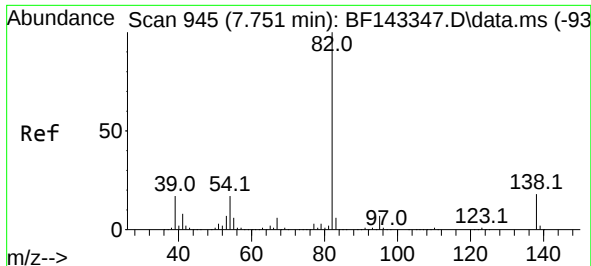
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 547406 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 9.7   | 8.4   | 12.6   |
| 68       | 6.7   | 5.9   | 8.9    |



#23  
Nitrobenzene-d5  
Concen: 105.112 ng  
RT: 7.492 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 923972 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.4  | 33.5  | 50.3   |
| 54       | 57.5  | 46.7  | 70.1   |

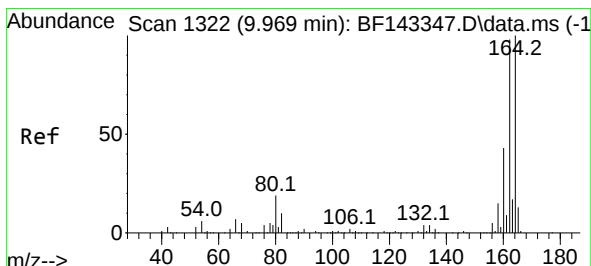
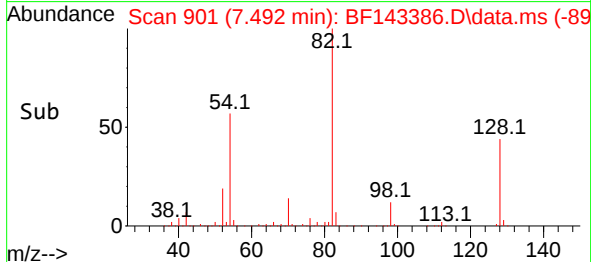
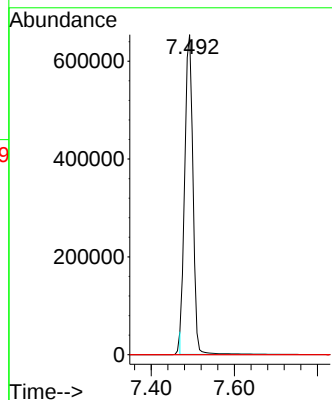
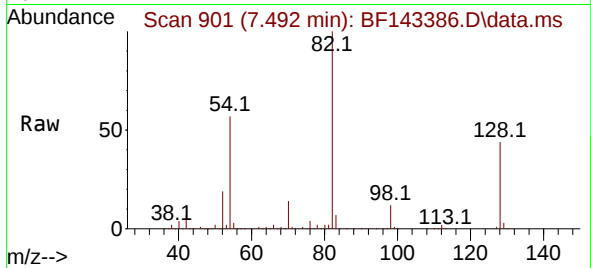




#25  
Isophorone  
Concen: 49.904 ng  
RT: 7.492 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

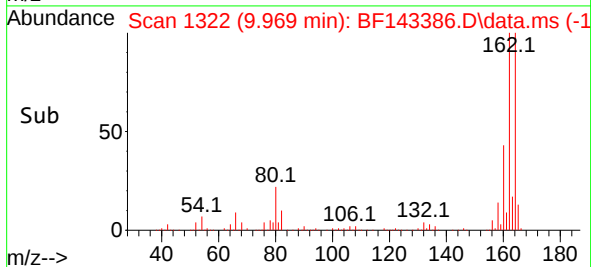
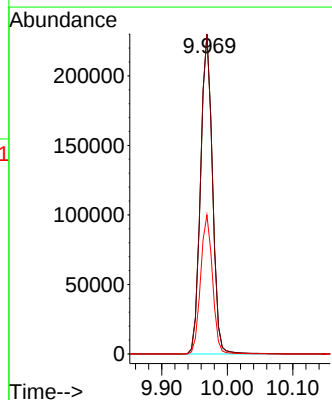
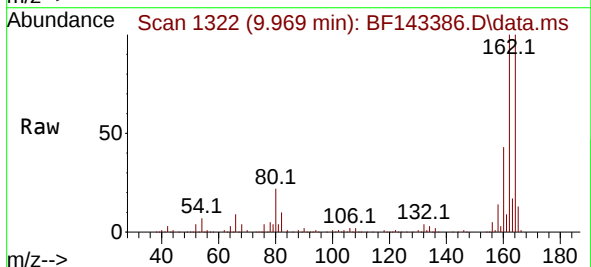
Instrument :  
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ClientSampleId :  
TW-38M-E

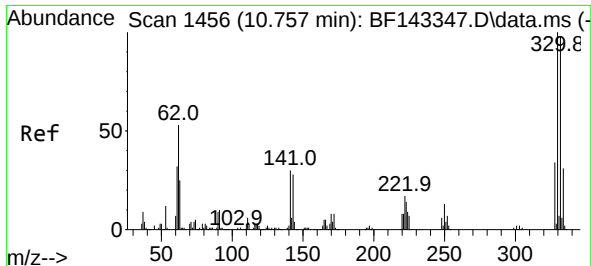
Tgt Ion: 82 Resp: 895526  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.969 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion:164 Resp: 290207  
Ion Ratio Lower Upper  
164 100  
162 100.1 78.6 118.0  
160 43.4 34.4 51.6

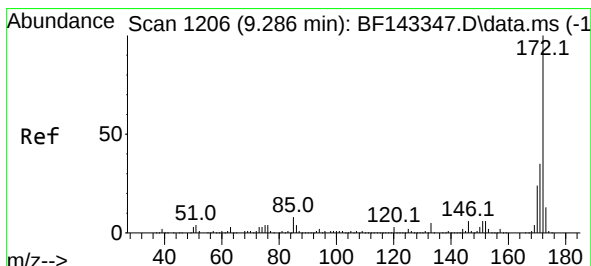
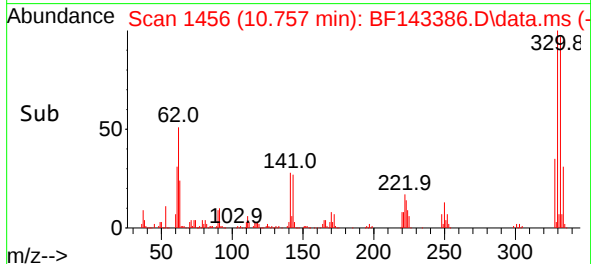
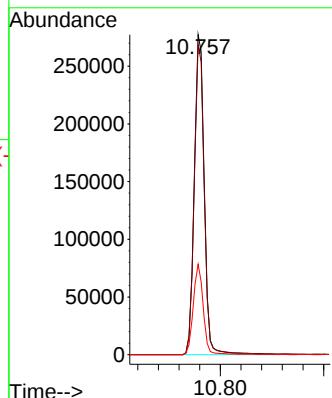
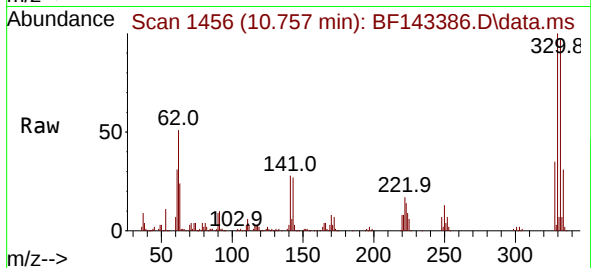




#42  
 2,4,6-Tribromophenol  
 Concen: 176.067 ng  
 RT: 10.757 min Scan# 1456  
 Delta R.T. 0.000 min  
 Lab File: BF143386.D  
 Acq: 14 Aug 2025 17:26

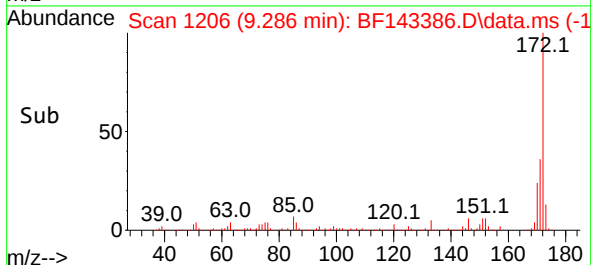
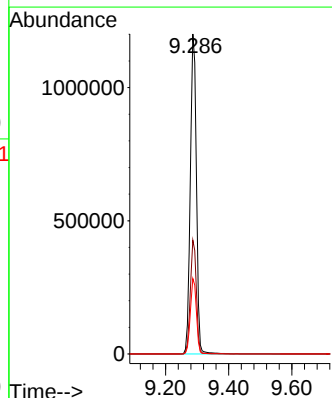
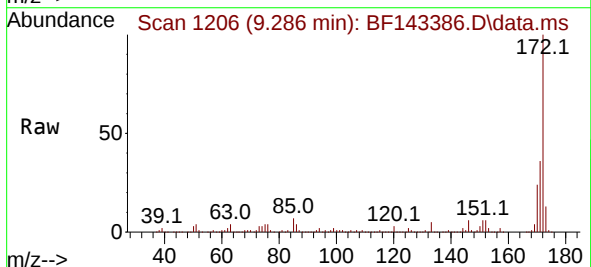
Instrument :  
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 ClientSampleId :  
 TW-38M-E

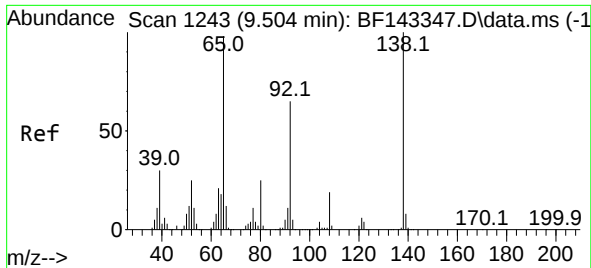
Tgt Ion:330 Resp: 373419  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 78.1 117.1  
 141 28.4 25.4 38.0



#45  
 2-Fluorobiphenyl  
 Concen: 93.842 ng  
 RT: 9.286 min Scan# 1206  
 Delta R.T. 0.000 min  
 Lab File: BF143386.D  
 Acq: 14 Aug 2025 17:26

Tgt Ion:172 Resp: 1605990  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.4 42.6  
 170 23.6 19.1 28.7

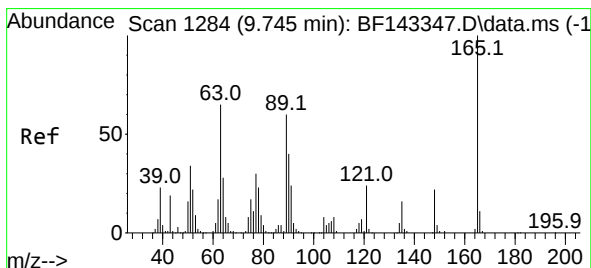
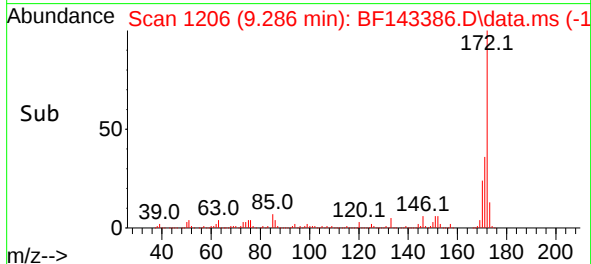
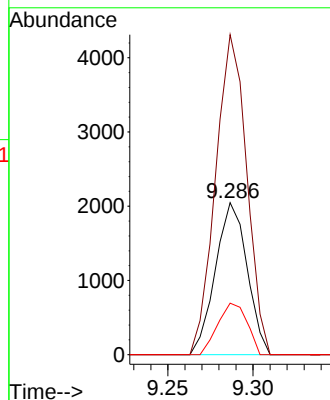
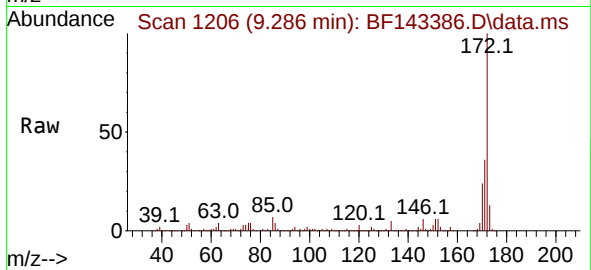




#48  
2-Nitroaniline  
Concen: 3.302 ng  
RT: 9.286 min Scan# 11  
Delta R.T. -0.218 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

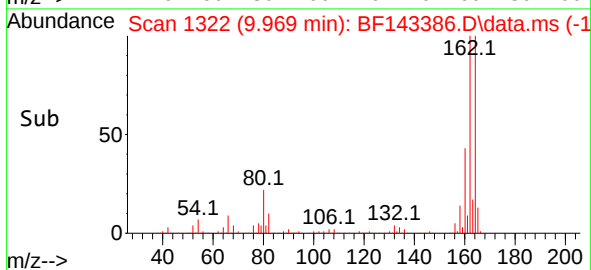
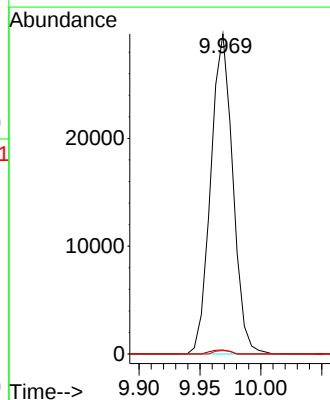
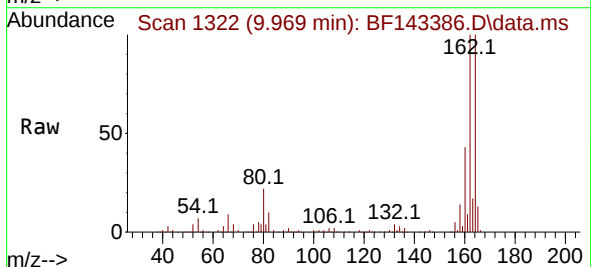
Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

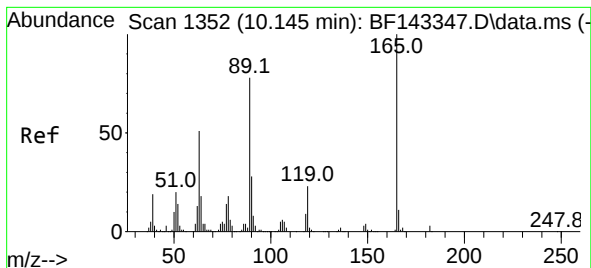
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Ion Ratio Lower Upper  
65 100  
92 210.5 53.1 79.7#  
138 33.9 81.4 122.0#



#51  
2,6-Dinitrotoluene  
Concen: 13.917 ng  
RT: 9.969 min Scan# 1322  
Delta R.T. 0.224 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion: 165 Resp: 37462  
Ion Ratio Lower Upper  
165 100  
63 1.2 51.6 77.4#  
89 1.1 47.7 71.5#

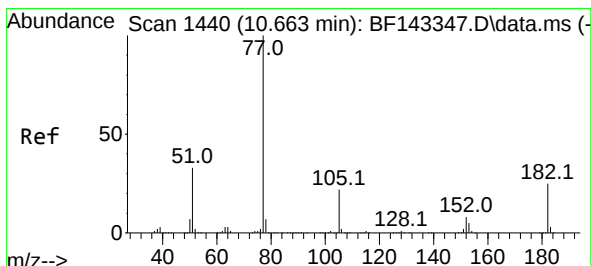
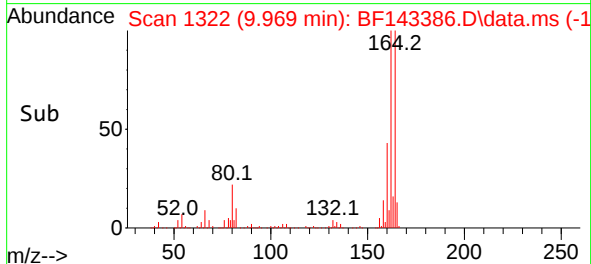
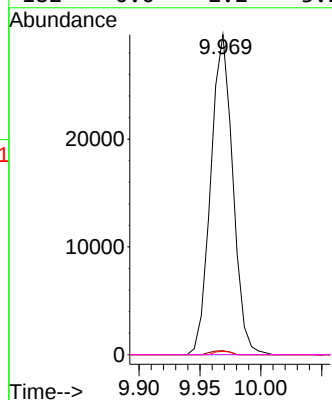
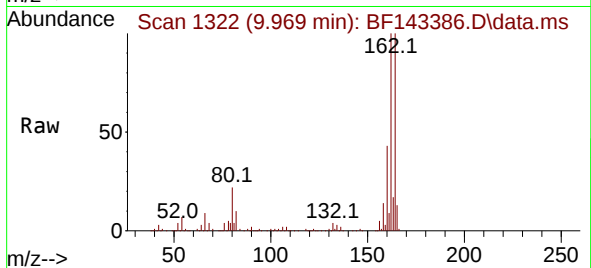




#57  
2,4-Dinitrotoluene  
Concen: 11.259 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.176 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

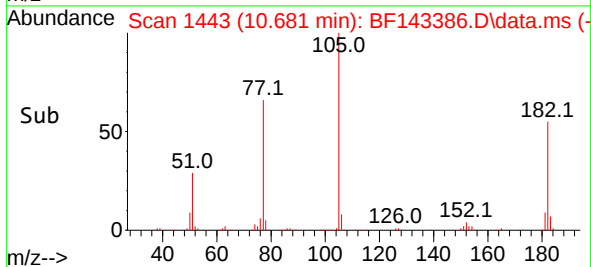
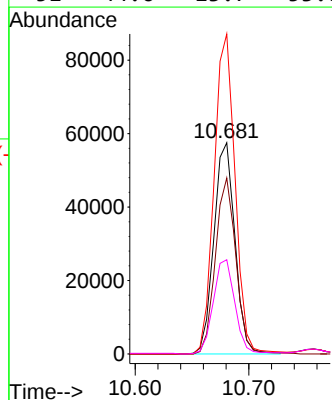
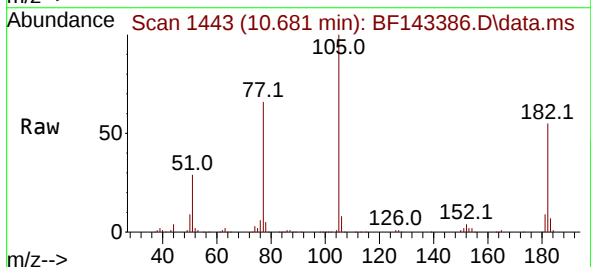
Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

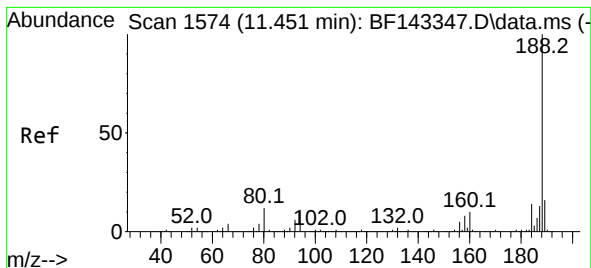
Tgt Ion:165 Resp: 37462  
Ion Ratio Lower Upper  
165 100  
63 1.2 41.8 62.8#  
89 1.1 62.4 93.6#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 4.288 ng  
RT: 10.681 min Scan# 1443  
Delta R.T. 0.018 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion: 77 Resp: 74401  
Ion Ratio Lower Upper  
77 100  
182 83.4 4.4 44.4#  
105 151.5 1.8 41.8#  
51 44.6 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

Instrument :

BNA\_F

ClientSampleId :

TW-38M-E

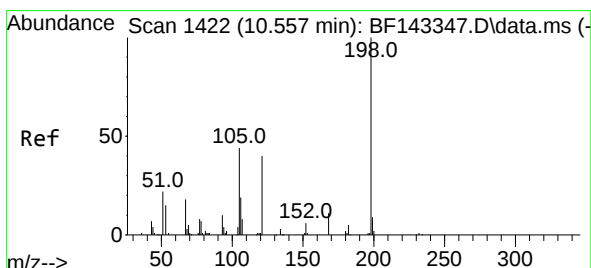
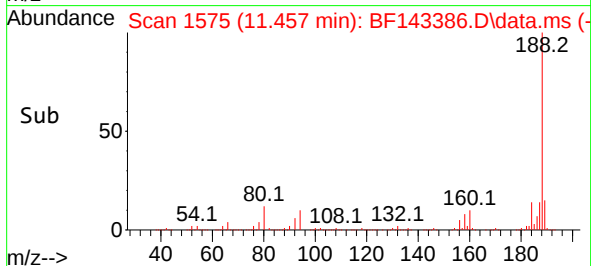
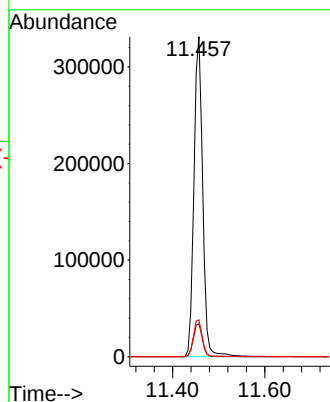
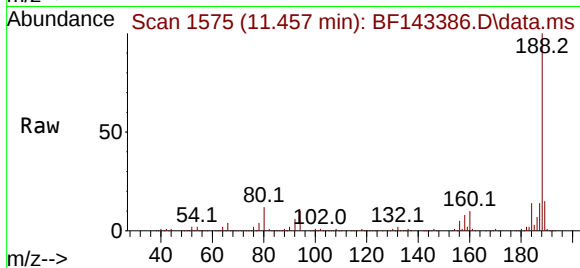
Tgt Ion:188 Resp: 435103

Ion Ratio Lower Upper

188 100

94 10.3 8.8 13.2

80 11.6 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.599 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

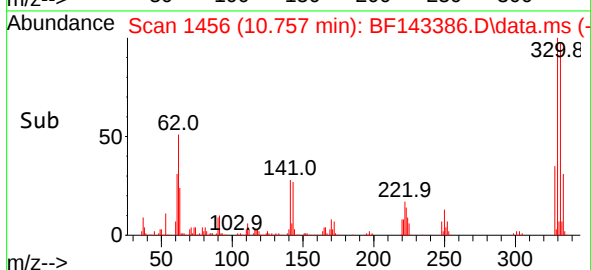
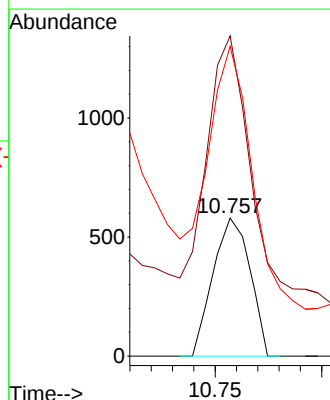
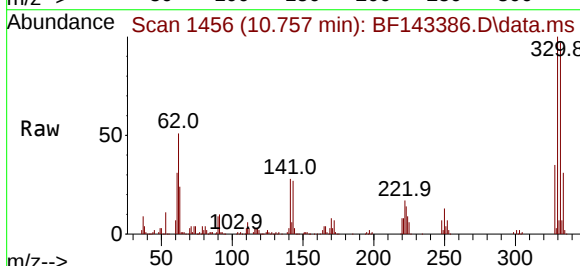
Tgt Ion:198 Resp: 700

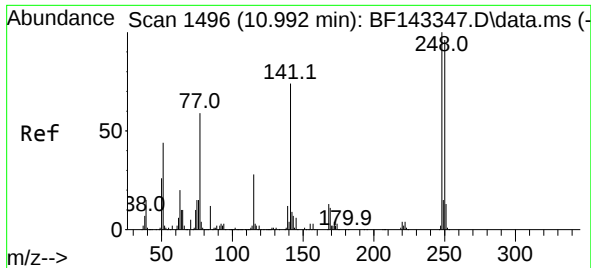
Ion Ratio Lower Upper

198 100

51 231.9 41.7 81.7#

105 224.3 26.8 66.8#

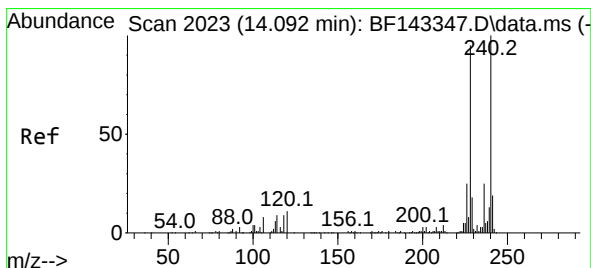
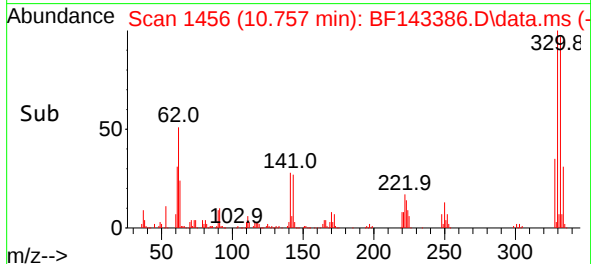
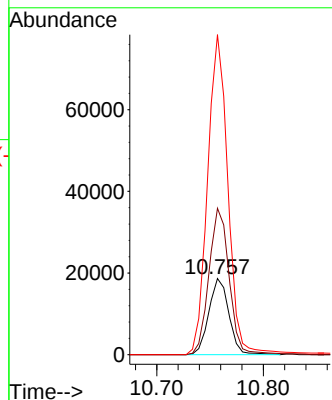
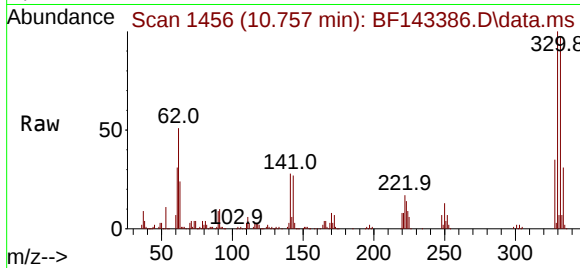




#67  
4-Bromophenyl-phenylether  
Concen: 4.932 ng  
RT: 10.757 min Scan# 1496  
Delta R.T. -0.235 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

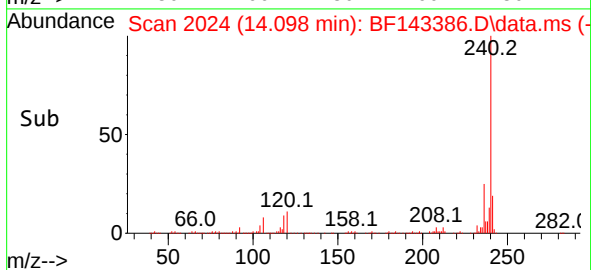
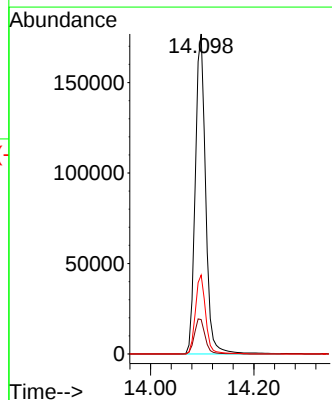
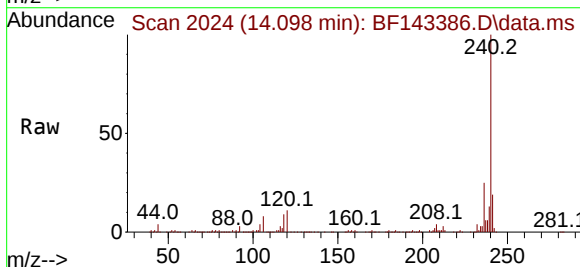
Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

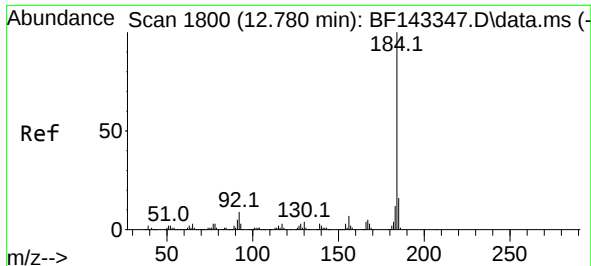
Tgt Ion:248 Resp: 24543  
Ion Ratio Lower Upper  
248 100  
250 192.0 77.1 115.7#  
141 419.8 59.1 88.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2024  
Delta R.T. 0.006 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion:240 Resp: 245198  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.0 13.6  
236 24.6 19.9 29.9

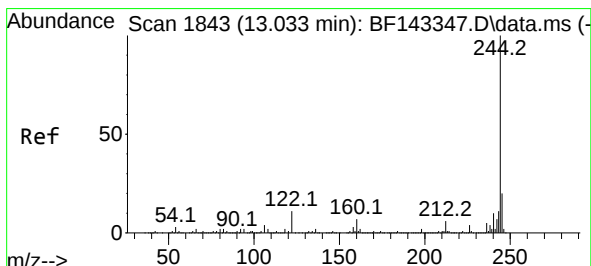
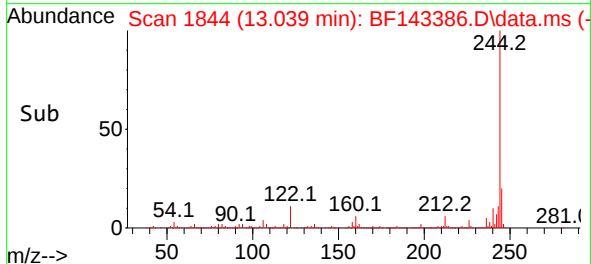
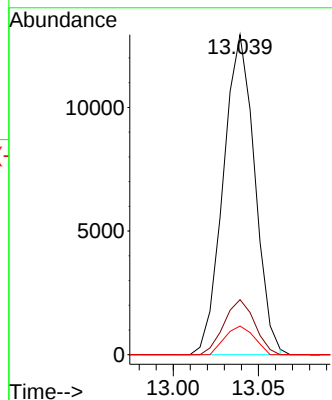
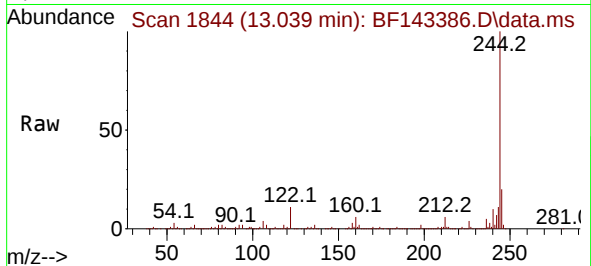




#77  
Benzidine  
Concen: 2.478 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.259 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

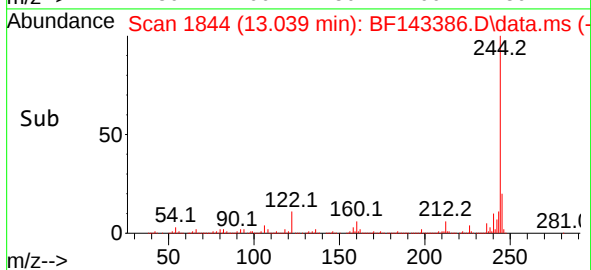
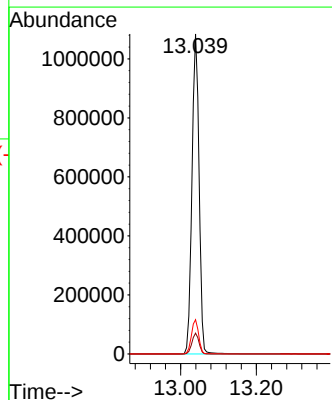
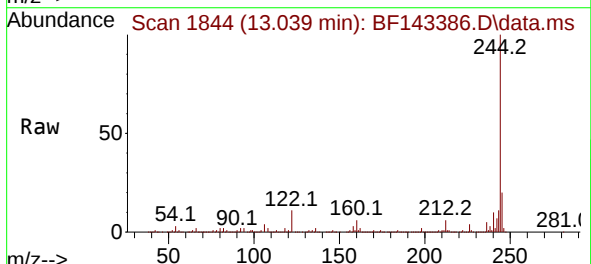
Instrument :  
BNA\_F  
ClientSampleId :  
TW-38M-E

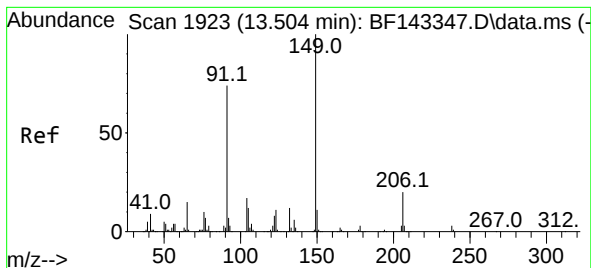
Tgt Ion:184 Resp: 16608  
Ion Ratio Lower Upper  
184 100  
185 17.2 12.8 19.2  
183 8.9 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 102.230 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.006 min  
Lab File: BF143386.D  
Acq: 14 Aug 2025 17:26

Tgt Ion:244 Resp: 1404023  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 10.7 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.377 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

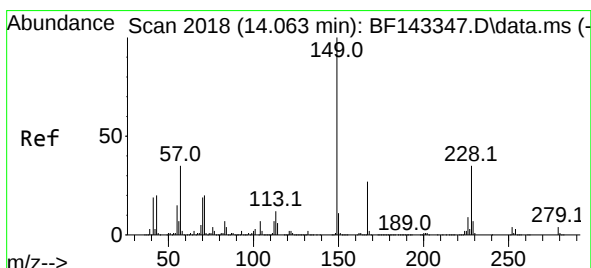
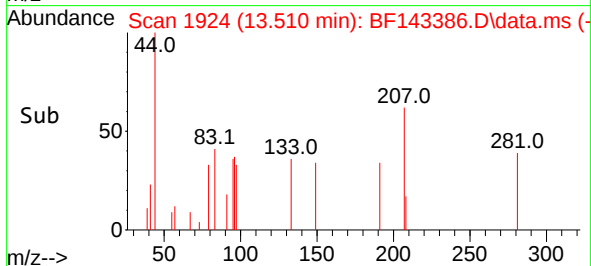
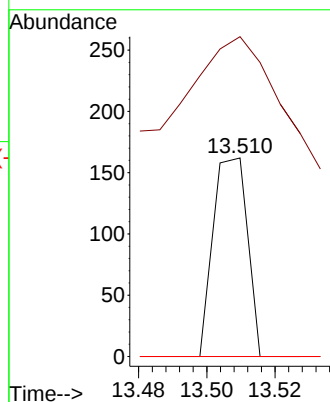
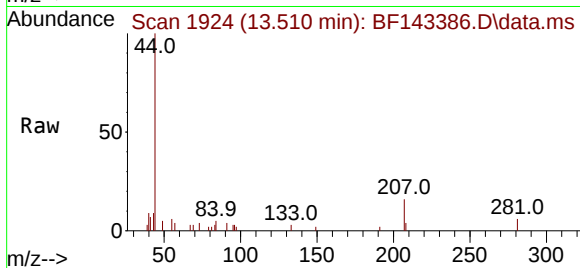
Instrument :

BNA\_F

ClientSampleId :

TW-38M-E

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 113   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 91       | 161.1 | 58.8  | 88.2# |
| 206      | 0.0   | 16.4  | 24.6# |



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.143 ng

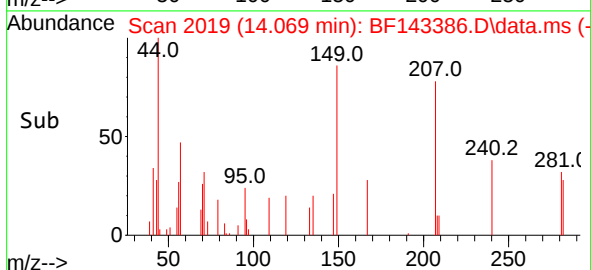
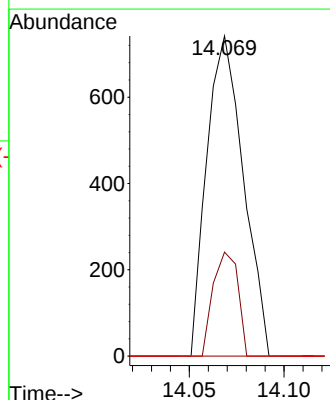
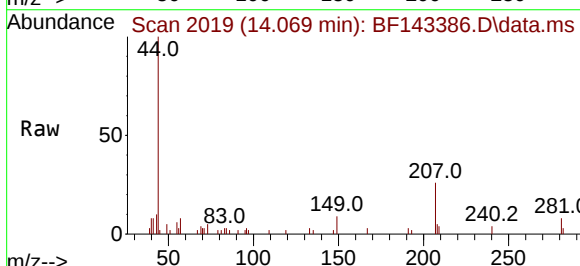
RT: 14.069 min Scan# 2019

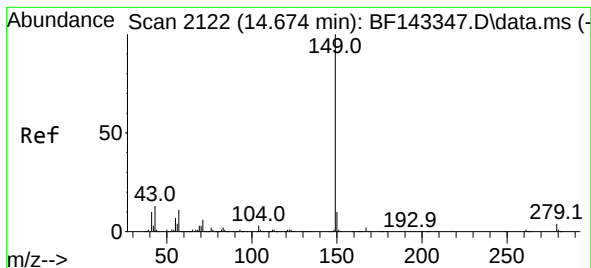
Delta R.T. 0.006 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 1000  |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 32.5  | 21.4  | 32.0# |
| 279      | 0.0   | 3.2   | 4.8#  |





#85

Di-n-octyl phthalate

Concen: 6.030 ng

RT: 14.686 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

Instrument :

BNA\_F

ClientSampleId :

TW-38M-E

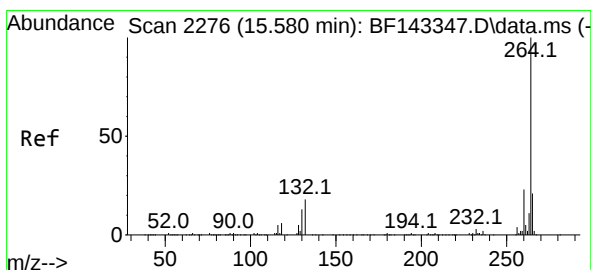
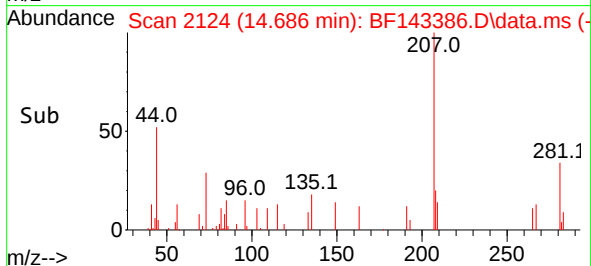
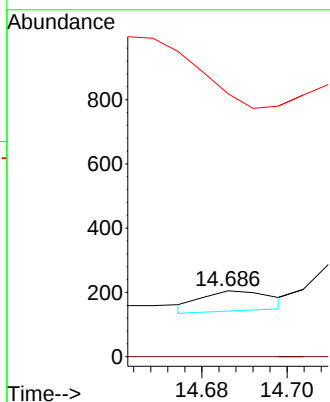
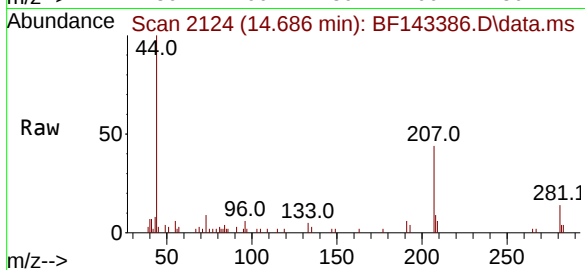
Tgt Ion:149 Resp: 72

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143386.D

Acq: 14 Aug 2025 17:26

Tgt Ion:264 Resp: 276692

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.9 17.2 25.8

