

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051425\  
 Data File : BF142364.D  
 Acq On : 14 May 2025 14:23  
 Operator : RC/JU  
 Sample : Q1982-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: May 14 15:01:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 05 18:41:44 2025  
 Response via : Initial Calibration

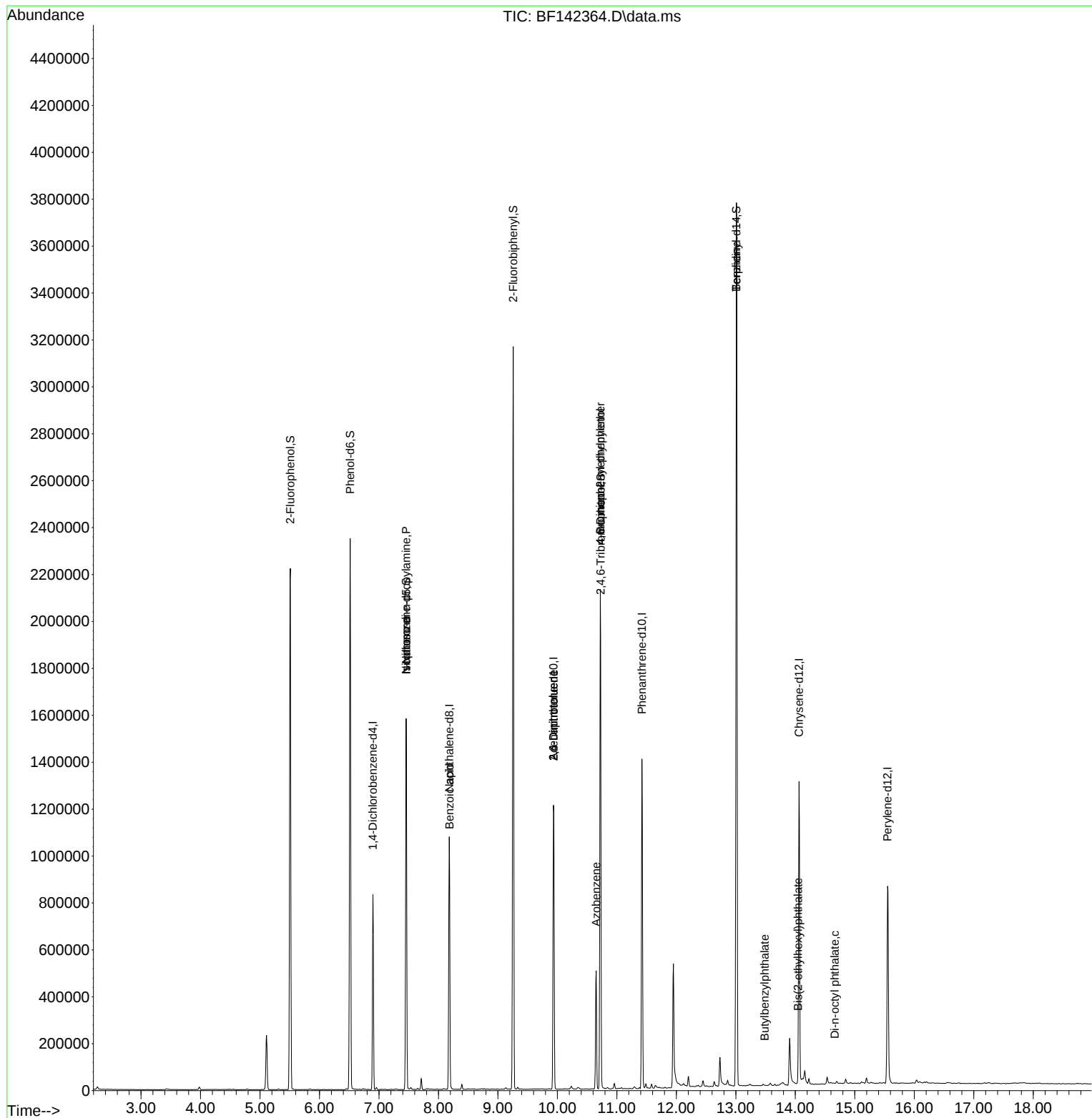
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 171428   | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 665674   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 370105   | 20.000  | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.422 | 188  | 718007   | 20.000  | ng     | -0.01    |
| 76) Chrysene-d12              | 14.063 | 240  | 611693   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 503779   | 20.000  | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 882477   | 87.877  | ng     | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1094089  | 88.582  | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 644190   | 59.019  | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 377710   | 105.704 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1396803  | 53.814  | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 1879960  | 45.489  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 87433    | 11.444  | ng     | # 77     |
| 25) Isophorone                | 7.457  | 82   | 639351   | 30.933  | ng     | # 62     |
| 32) Benzoic acid              | 8.187  | 122  | 53       | 6.024   | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 47522    | 10.683  | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 47522    | 8.328   | ng     | # 25     |
| 63) Azobenzene                | 10.651 | 77   | 119475   | 5.268   | ng     | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.722 | 198  | 728      | 7.370   | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 22782    | 2.800   | ng     | # 1      |
| 77) Benzidine                 | 13.010 | 184  | 23727    | 2.134   | ng     | # 94     |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 683      | 3.699   | ng     | # 85     |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 3758     | 4.403   | ng     | # 93     |
| 85) Di-n-octyl phthalate      | 14.663 | 149  | 200      | 7.844   | ng     | # 1      |
| -----                         |        |      |          |         |        |          |

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

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Sample : Q1982-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Time: May 14 15:01:15 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 05 18:41:44 2025  
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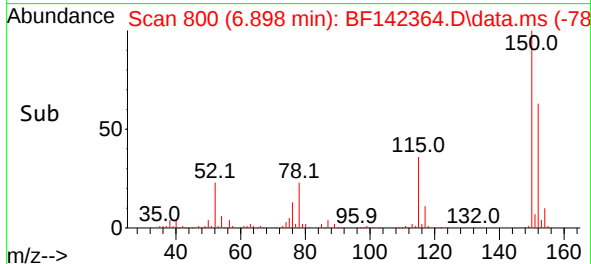
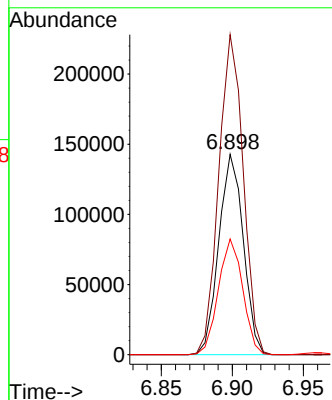
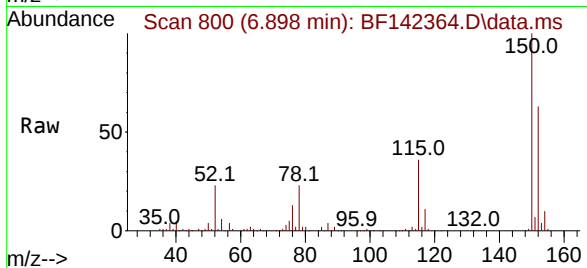




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

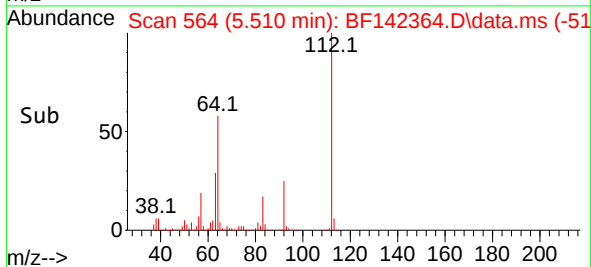
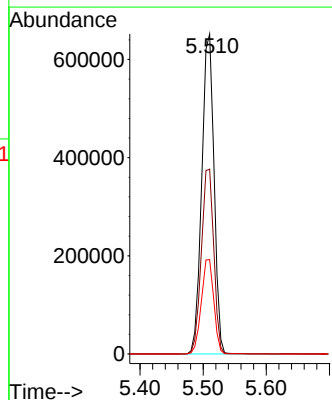
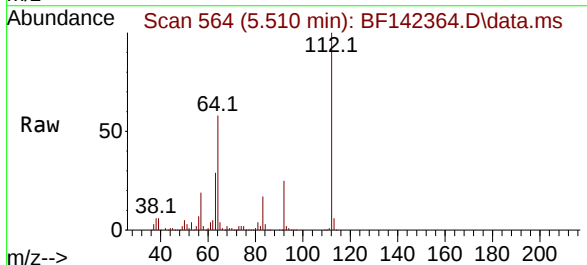
Instrument :  
BNA\_F  
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TP-1

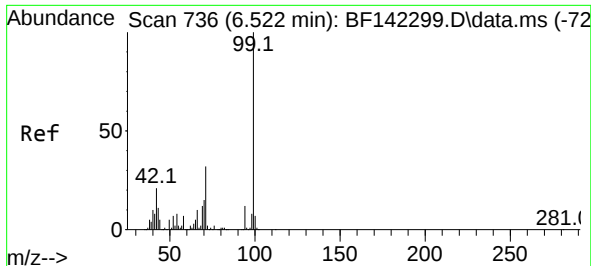
Tgt Ion:152 Resp: 171428  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.6 190.0  
115 57.7 47.3 70.9



#5  
2-Fluorophenol  
Concen: 87.877 ng  
RT: 5.510 min Scan# 564  
Delta R.T. -0.000 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion:112 Resp: 882477  
Ion Ratio Lower Upper  
112 100  
64 57.8 48.9 73.3  
63 29.5 25.6 38.4



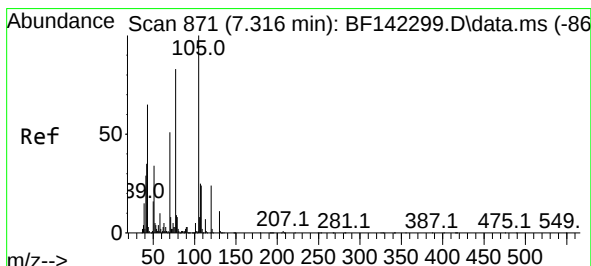
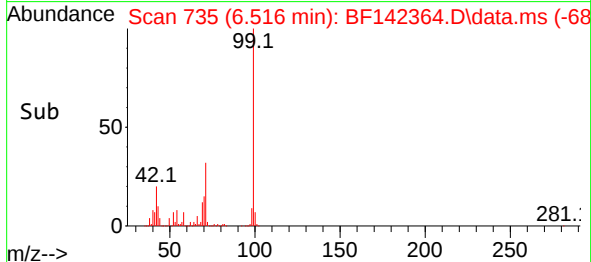
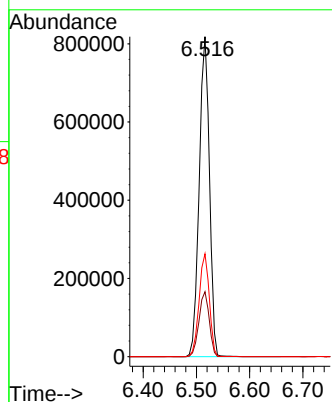
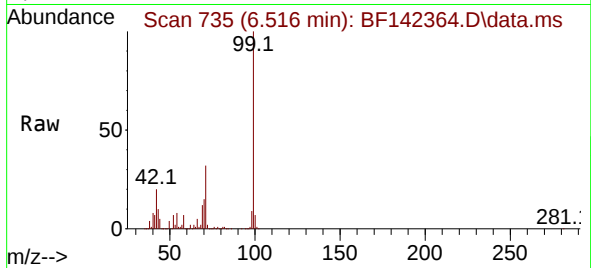


#7  
Phenol-d6  
Concen: 88.582 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion: 99 Resp: 1094089

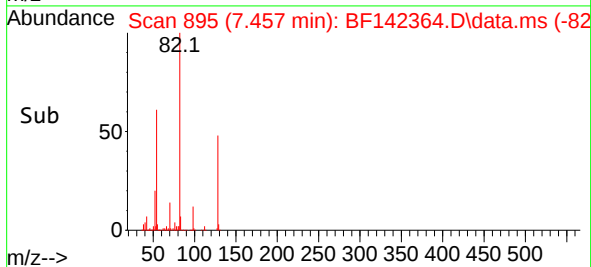
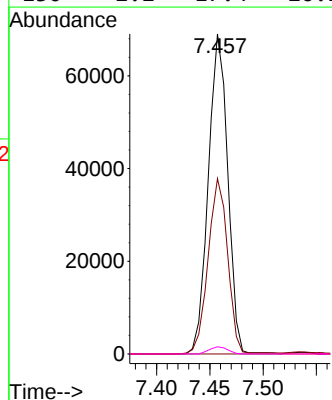
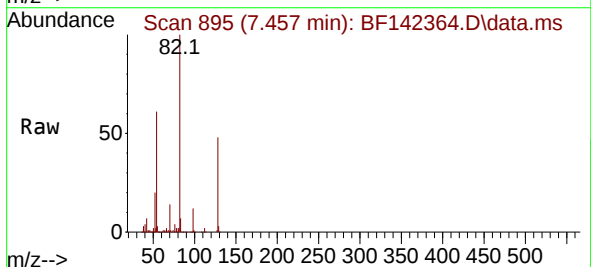
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.3  | 17.0  | 25.4  |
| 71  | 32.2  | 25.8  | 38.8  |

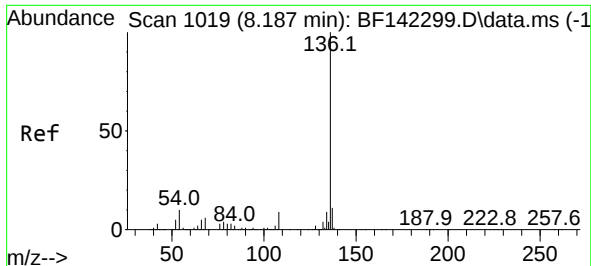


#19  
n-Nitroso-di-n-propylamine  
Concen: 11.444 ng  
RT: 7.457 min Scan# 895  
Delta R.T. 0.141 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion: 70 Resp: 87433

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 54.8  | 54.8  | 82.2  |
| 101 | 0.0   | 7.7   | 11.5# |
| 130 | 2.2   | 17.4  | 26.2# |



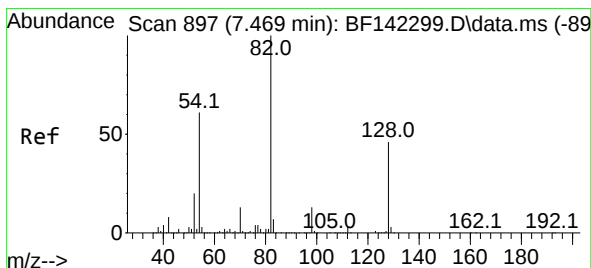
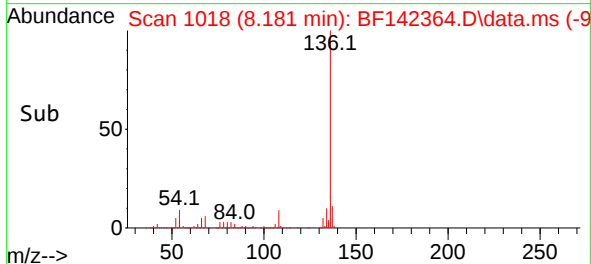
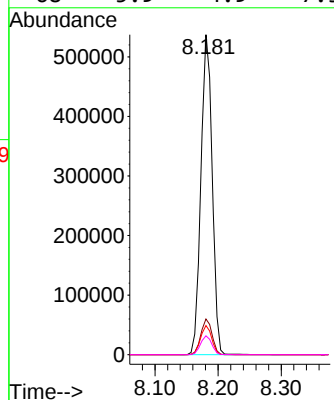
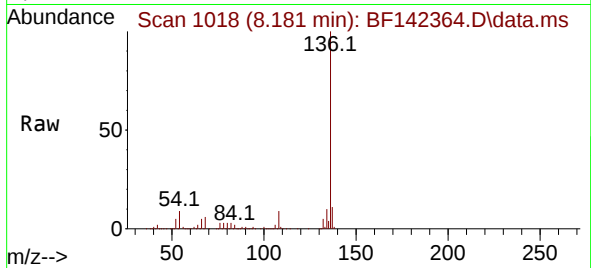


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Instrument :  
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Tgt Ion:136 Resp: 665674

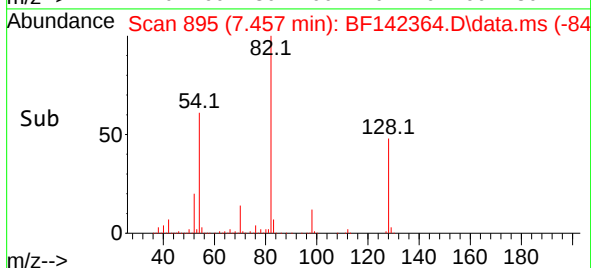
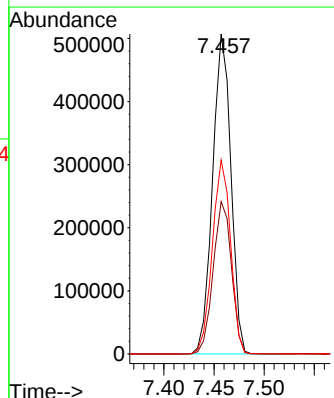
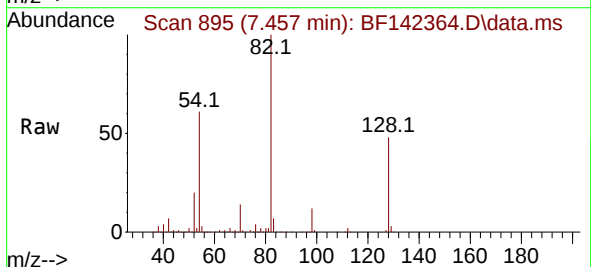
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 9.1   | 7.7   | 11.5  |
| 68  | 5.9   | 4.9   | 7.3   |

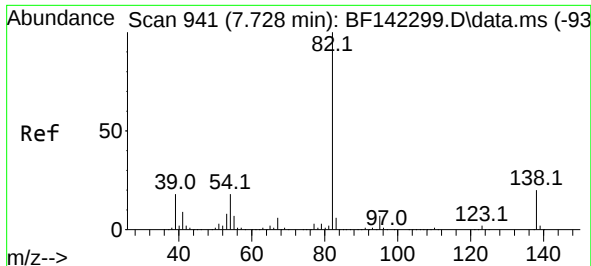


#23  
Nitrobenzene-d5  
Concen: 59.019 ng  
RT: 7.457 min Scan# 895  
Delta R.T. -0.012 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion: 82 Resp: 644190

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.6  | 37.0  | 55.6  |
| 54  | 60.6  | 48.6  | 73.0  |

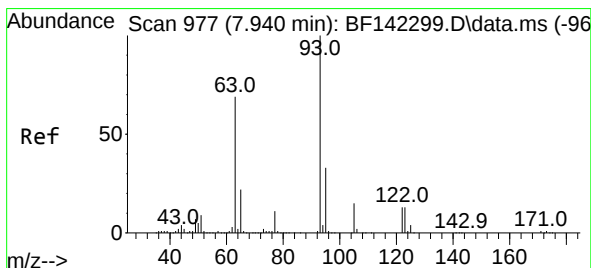
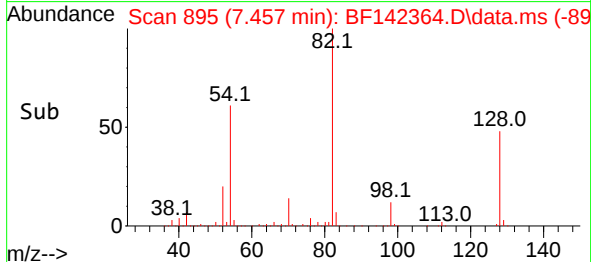
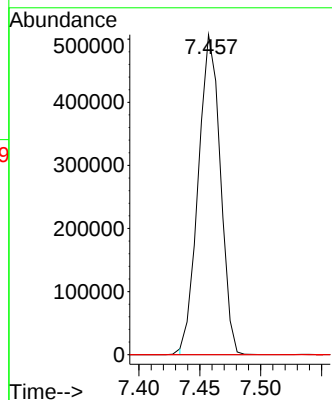
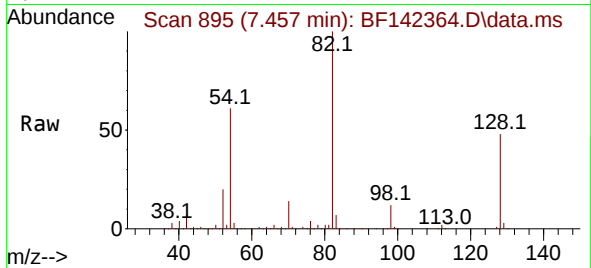




#25  
Isophorone  
Concen: 30.933 ng  
RT: 7.457 min Scan# 895  
Delta R.T. -0.271 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

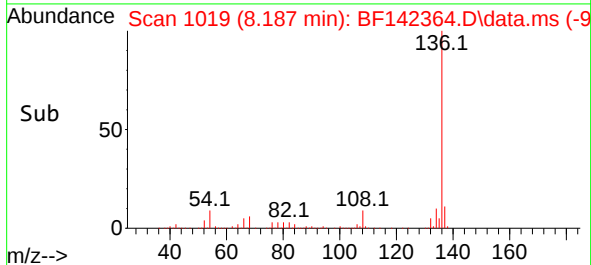
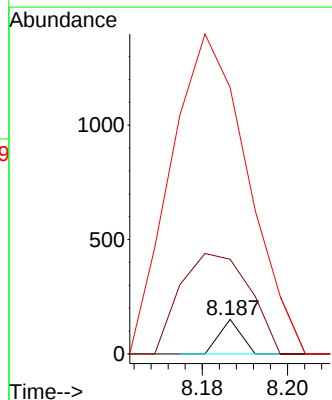
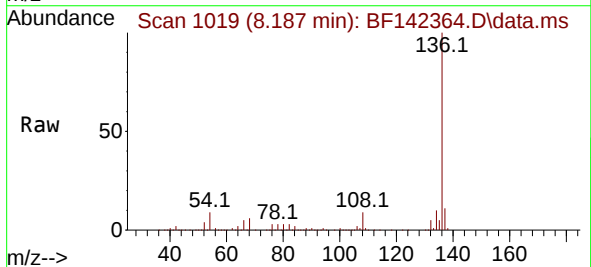
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ClientSampleId :  
TP-1

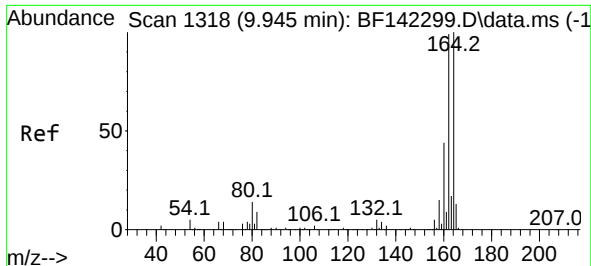
Tgt Ion: 82 Resp: 639351  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 16.1 24.1#



#32  
Benzoic acid  
Concen: 6.024 ng  
RT: 8.187 min Scan# 1019  
Delta R.T. 0.247 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion:122 Resp: 53  
Ion Ratio Lower Upper  
122 100  
105 274.2 97.9 137.9#  
77 771.5 67.7 107.7#

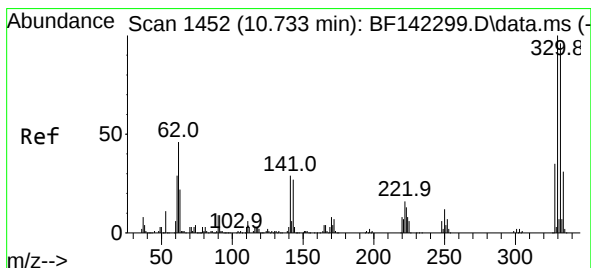
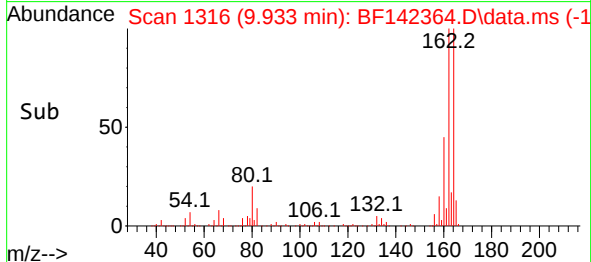
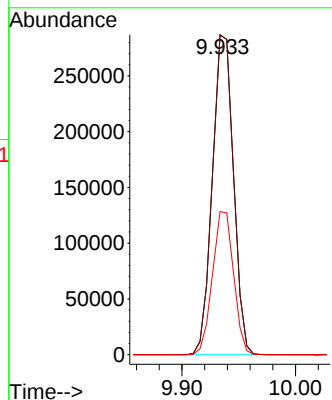
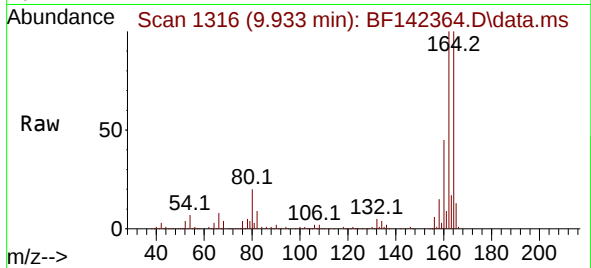




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

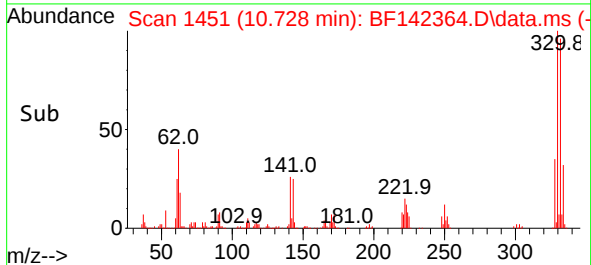
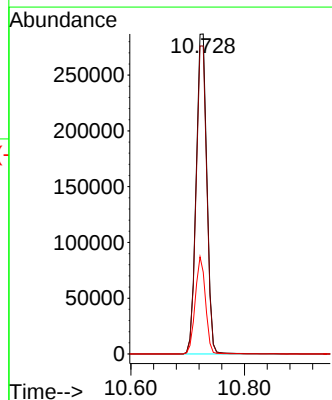
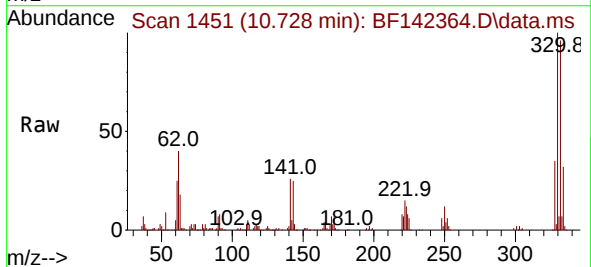
Instrument :  
BNA\_F  
ClientSampleId :  
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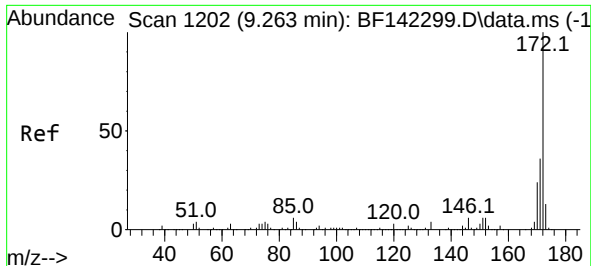
Tgt Ion:164 Resp: 370105  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.2 118.8  
160 44.7 35.3 52.9



#42  
2,4,6-Tribromophenol  
Concen: 105.704 ng  
RT: 10.728 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion:330 Resp: 377710  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.8 115.2  
141 29.1 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 53.814 ng

RT: 9.257 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

Instrument :

BNA\_F

ClientSampleId :

TP-1

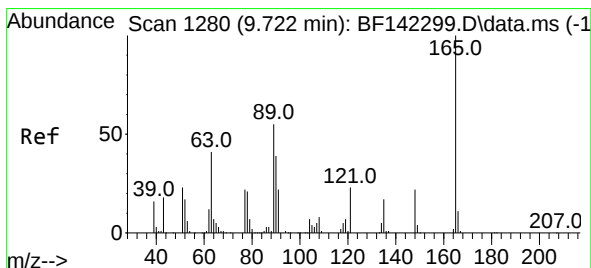
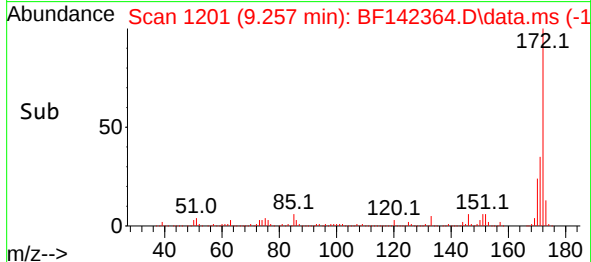
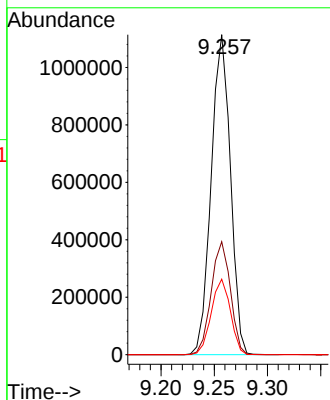
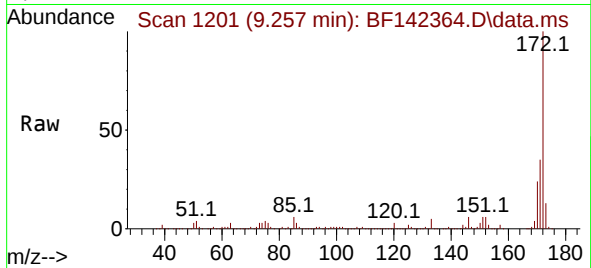
Tgt Ion:172 Resp: 1396803

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.6 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.683 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

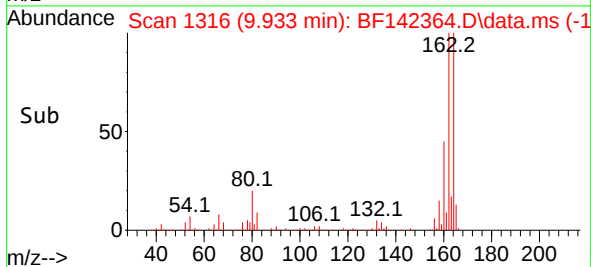
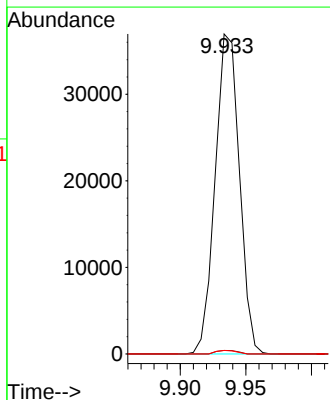
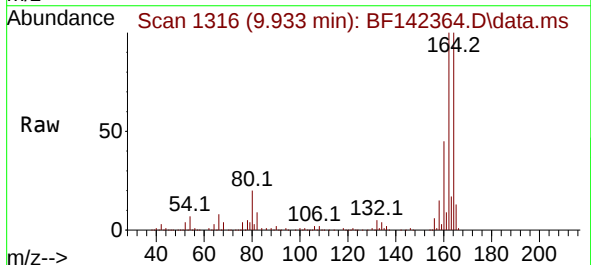
Tgt Ion:165 Resp: 47522

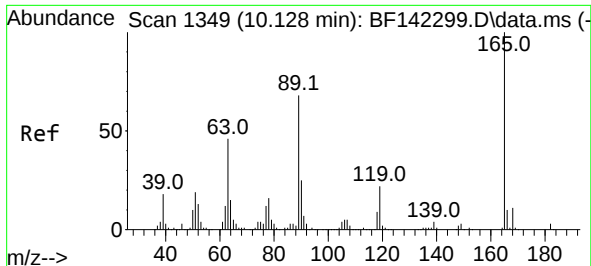
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.1 44.6 66.8#

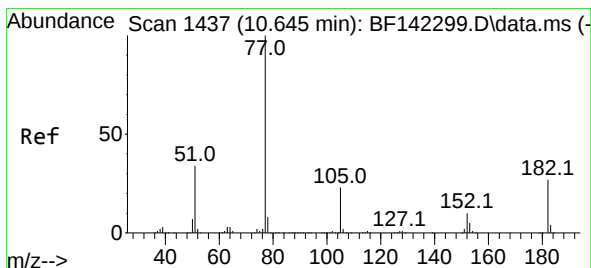
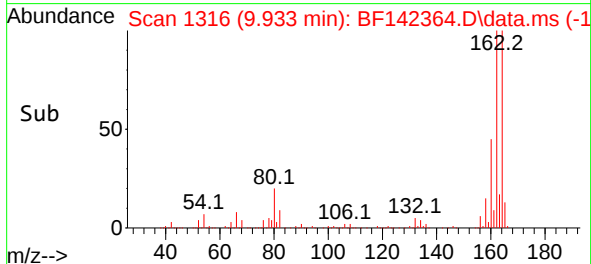
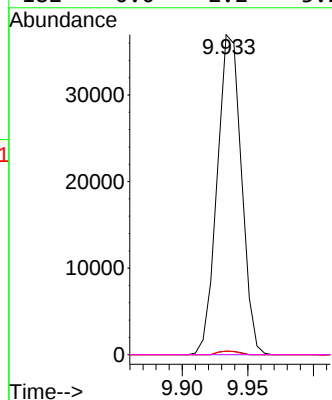
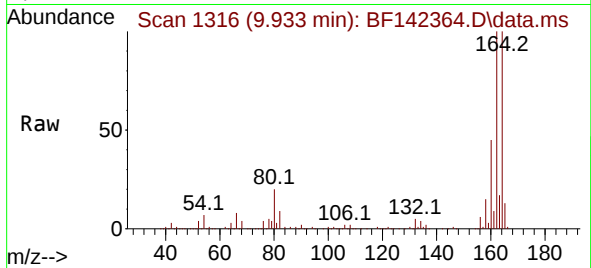




#57  
2,4-Dinitrotoluene  
Concen: 8.328 ng  
RT: 9.933 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

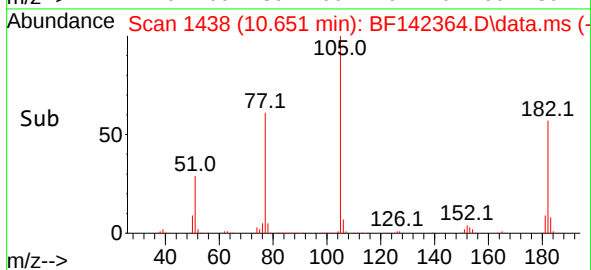
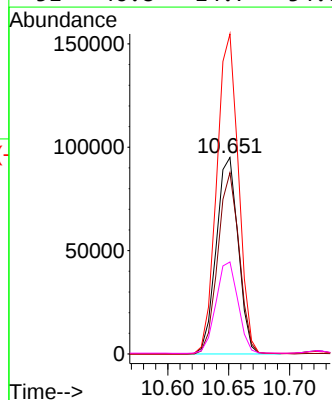
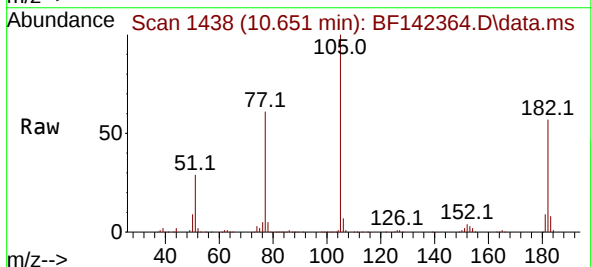
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

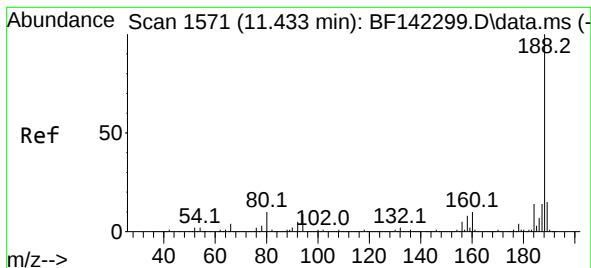
Tgt Ion:165 Resp: 47522  
Ion Ratio Lower Upper  
165 100  
63 1.1 37.1 55.7#  
89 1.1 54.4 81.6#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 5.268 ng  
RT: 10.651 min Scan# 1438  
Delta R.T. 0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion: 77 Resp: 119475  
Ion Ratio Lower Upper  
77 100  
182 92.3 6.9 46.9#  
105 162.8 2.7 42.7#  
51 46.8 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

Instrument :

BNA\_F

ClientSampleId :

TP-1

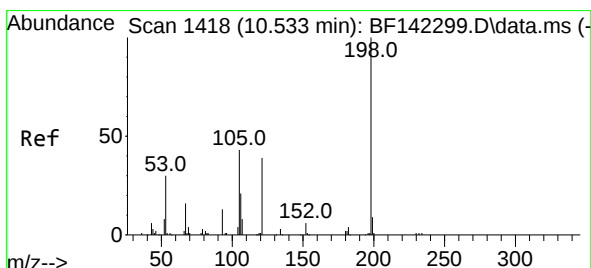
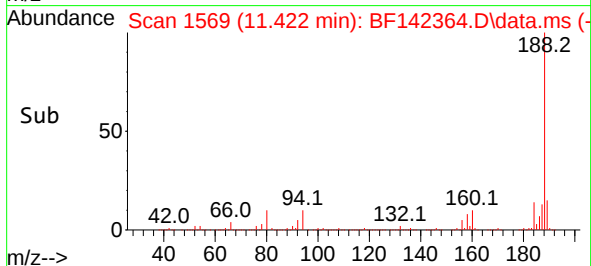
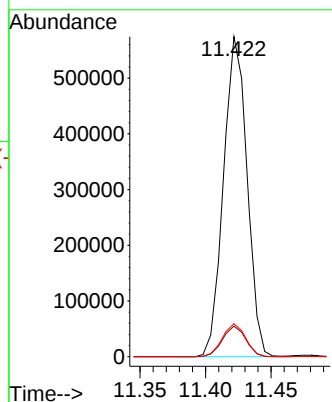
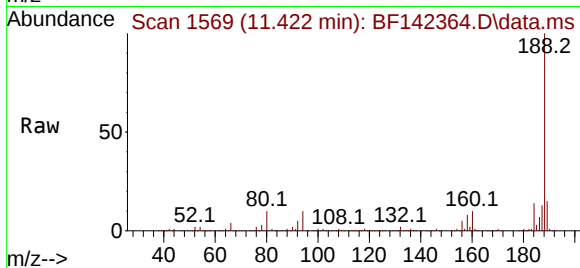
Tgt Ion:188 Resp: 718007

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.3 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.370 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.189 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

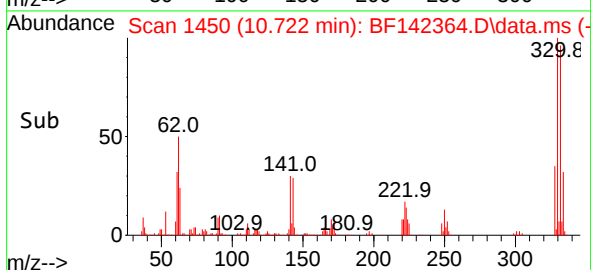
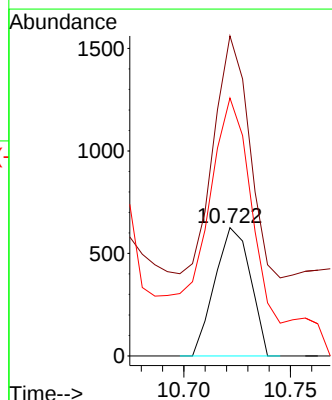
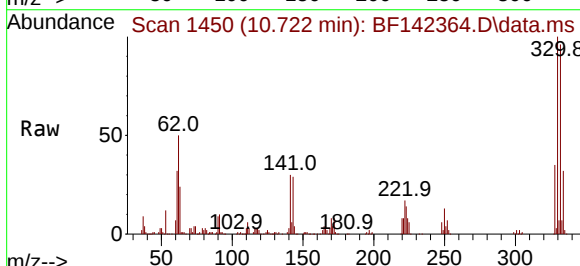
Tgt Ion:198 Resp: 728

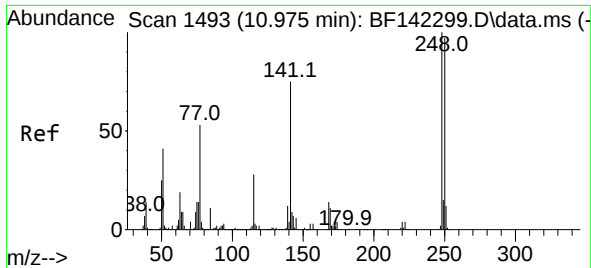
Ion Ratio Lower Upper

198 100

51 249.4 32.9 72.9#

105 201.0 23.7 63.7#

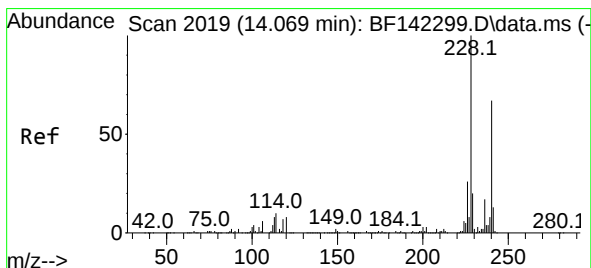
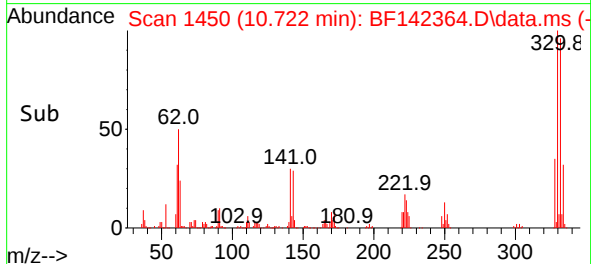
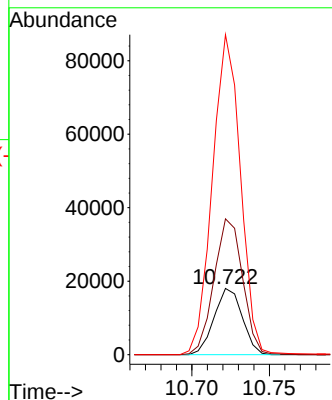
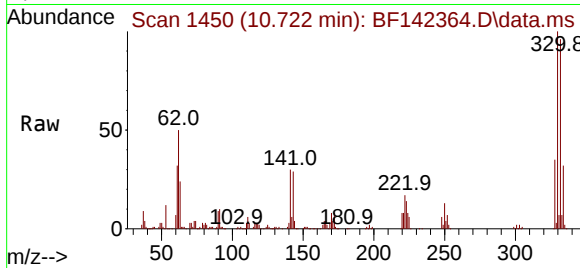




#67  
4-Bromophenyl-phenylether  
Concen: 2.800 ng  
RT: 10.722 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

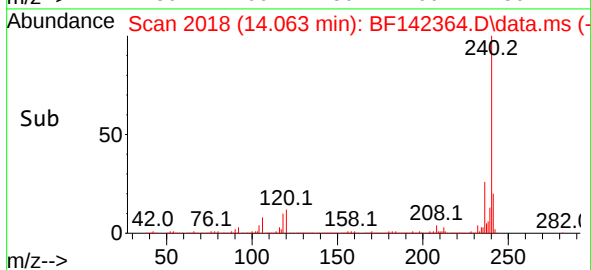
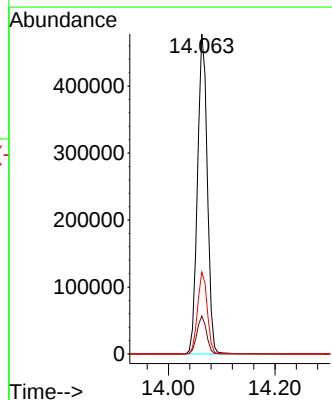
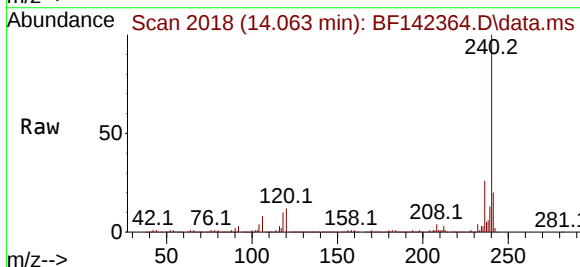
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

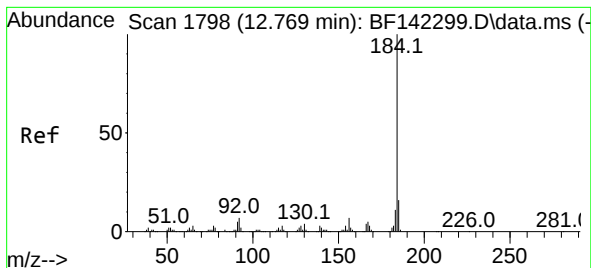
Tgt Ion:248 Resp: 22782  
Ion Ratio Lower Upper  
248 100  
250 205.4 77.9 116.9#  
141 483.6 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion:240 Resp: 611693  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.7 14.5  
236 25.6 20.0 30.0





#77

Benzidine

Concen: 2.134 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

Instrument :

BNA\_F

ClientSampleId :

TP-1

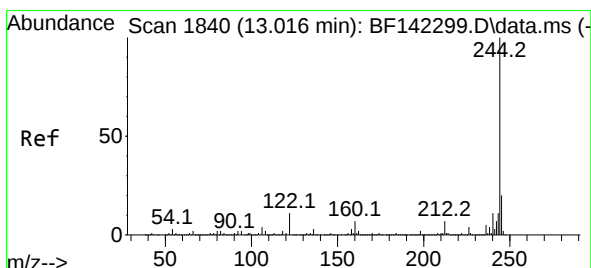
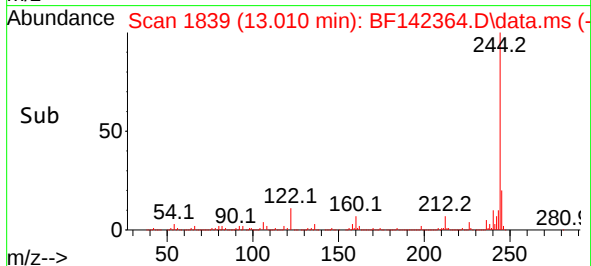
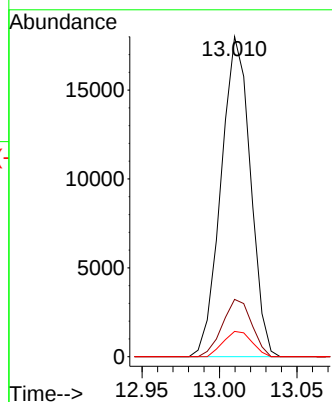
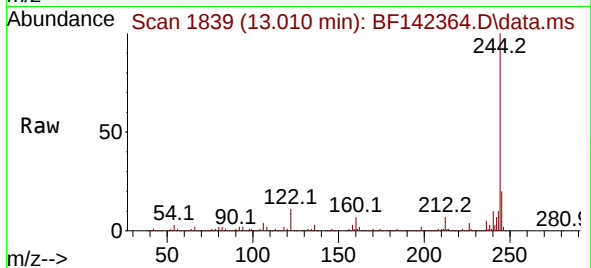
Tgt Ion:184 Resp: 23727

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

183 7.9 8.6 12.8#



#79

Terphenyl-d14

Concen: 45.489 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

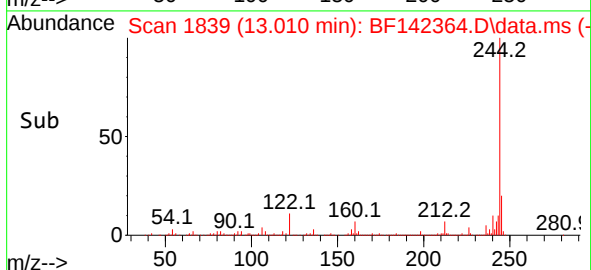
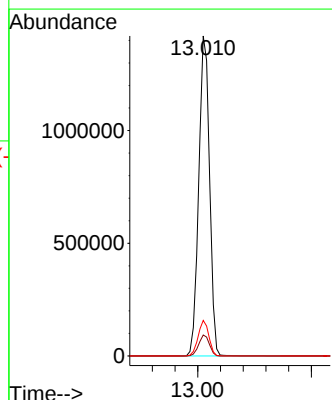
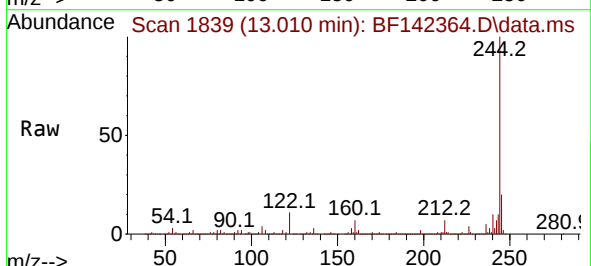
Tgt Ion:244 Resp: 1879960

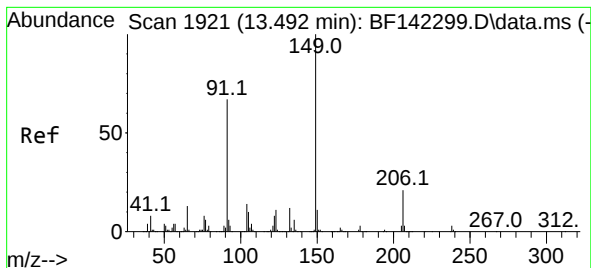
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 11.1 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.699 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

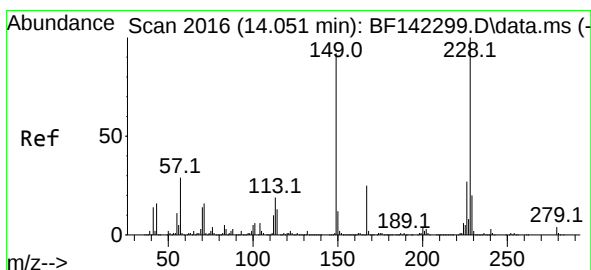
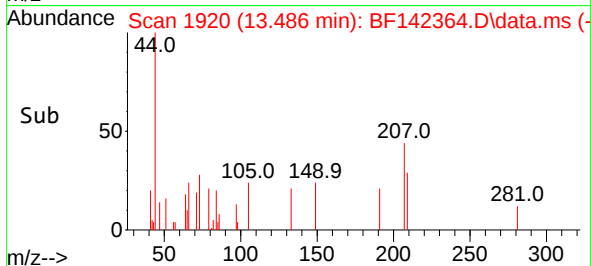
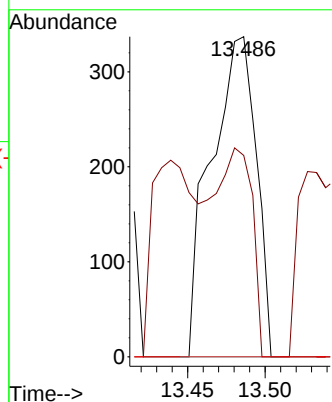
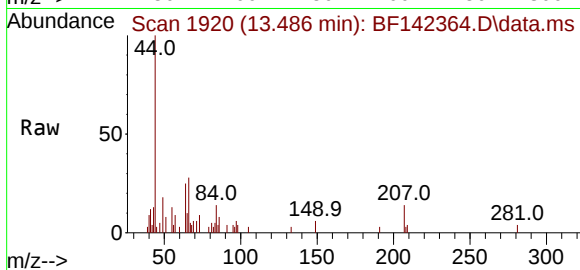
Instrument :

BNA\_F

ClientSampleId :

TP-1

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:149 | Resp: | 683        |
| Ion Ratio   | Lower | Upper      |
| 149         | 100   |            |
| 91          | 62.9  | 53.8 80.6  |
| 206         | 0.0   | 16.6 24.8# |



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.403 ng

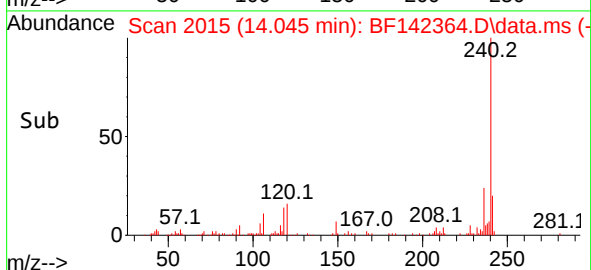
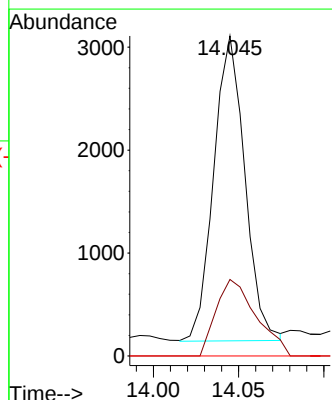
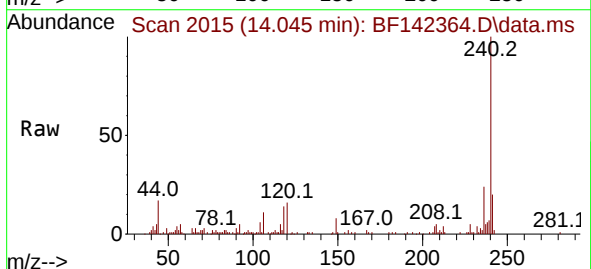
RT: 14.045 min Scan# 2015

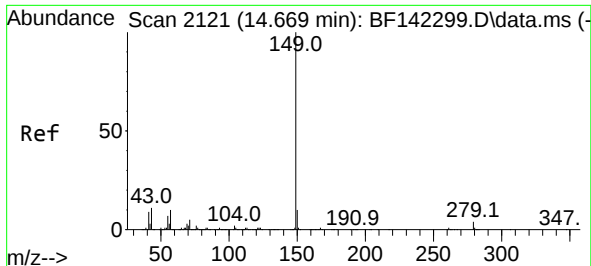
Delta R.T. -0.006 min

Lab File: BF142364.D

Acq: 14 May 2025 14:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 3758      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 23.9  | 22.0 33.0 |
| 279         | 0.0   | 3.0 4.6#  |

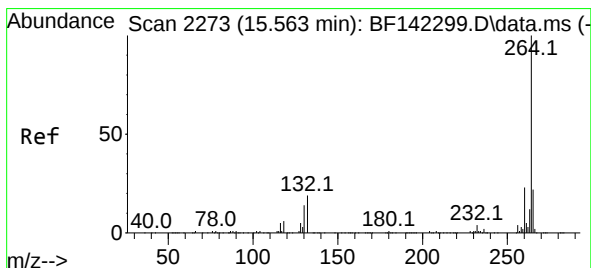
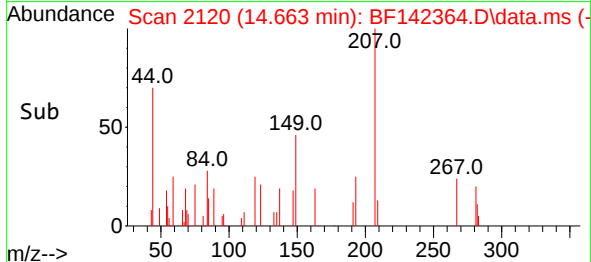
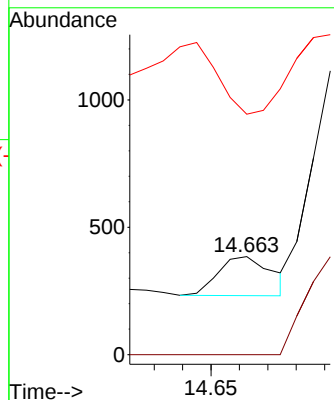
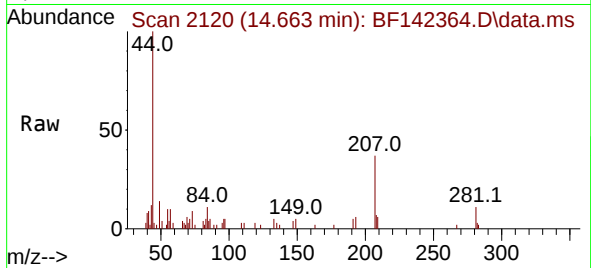




#85  
Di-n-octyl phthalate  
Concen: 7.844 ng  
RT: 14.663 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion:149 Resp: 200  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.1 1.7#  
43 236.0 9.2 13.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2271  
Delta R.T. -0.012 min  
Lab File: BF142364.D  
Acq: 14 May 2025 14:23

Tgt Ion:264 Resp: 503779  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.6 27.8  
265 21.7 17.5 26.3

