

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
 Data File : BF143390.D  
 Acq On : 14 Aug 2025 19:26  
 Operator : RC/JU  
 Sample : Q2814-12  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-BP-S

Quant Time: Aug 15 01:31:18 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

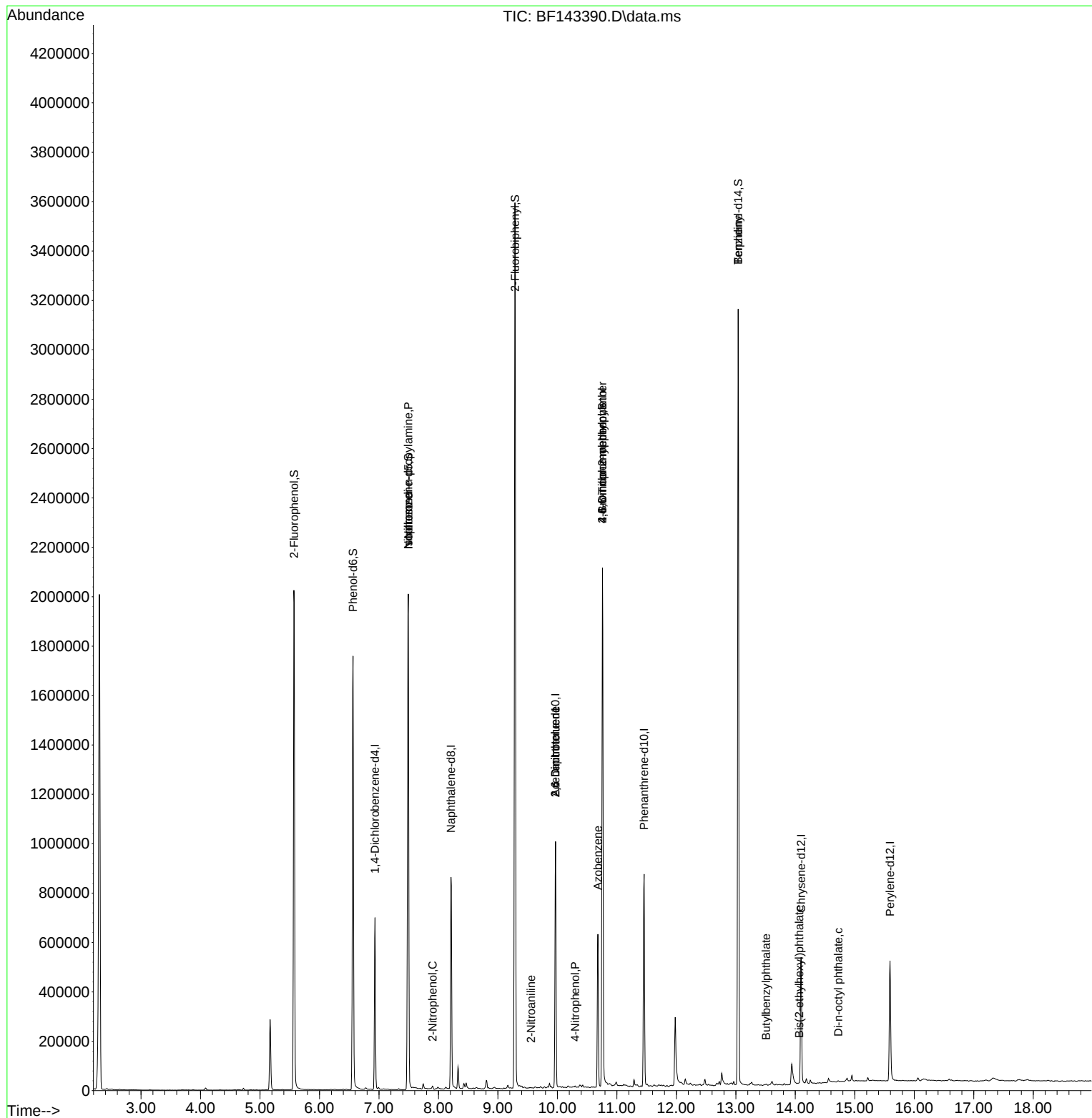
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.934  | 152  | 144335   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.210  | 136  | 558822   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.969  | 164  | 295912   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 447522   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.098 | 240  | 264789   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.592 | 264  | 301869   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 761916   | 91.284  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.563  | 99   | 818157   | 76.438  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.492  | 82   | 951451   | 106.027 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 390230   | 180.446 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 1656977  | 94.955  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.039 | 244  | 1553100  | 104.718 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.492  | 70   | 127019   | 19.205  | ng    | # 80     |
| 25) Isophorone                | 7.492  | 82   | 935939   | 51.091  | ng    | # 65     |
| 26) 2-Nitrophenol             | 7.904  | 139  | 315      | 3.717   | ng    | # 32     |
| 48) 2-Nitroaniline            | 9.557  | 65   | 368      | 2.839   | ng    | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.969  | 165  | 37969    | 13.851  | ng    | # 21     |
| 56) 4-Nitrophenol             | 10.298 | 139  | 55       | 5.495   | ng    | # 45     |
| 57) 2,4-Dinitrotoluene        | 9.969  | 165  | 37970    | 11.210  | ng    | # 20     |
| 63) Azobenzene                | 10.680 | 77   | 156276   | 8.834   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.757 | 198  | 795      | 7.634   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.757 | 248  | 24452    | 4.777   | ng    | # 1      |
| 77) Benzidine                 | 13.039 | 184  | 18337    | 2.533   | ng    | # 97     |
| 80) Butylbenzylphthalate      | 13.510 | 149  | 766      | 3.513   | ng    | # 58     |
| 84) Bis(2-ethylhexyl)phtha... | 14.068 | 149  | 2038     | 4.279   | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.721 | 149  | 537      | 6.061   | ng    | # 18     |
| -----                         |        |      |          |         |       |          |

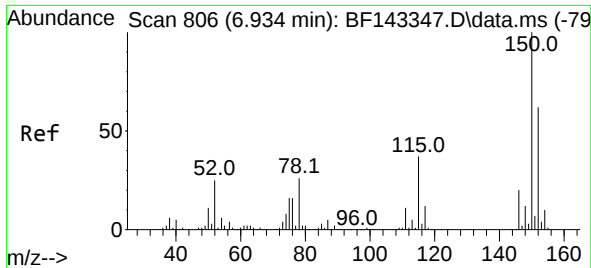
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
Data File : BF143390.D  
Acq On : 14 Aug 2025 19:26  
Operator : RC/JU  
Sample : Q2814-12  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

Quant Time: Aug 15 01:31:18 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

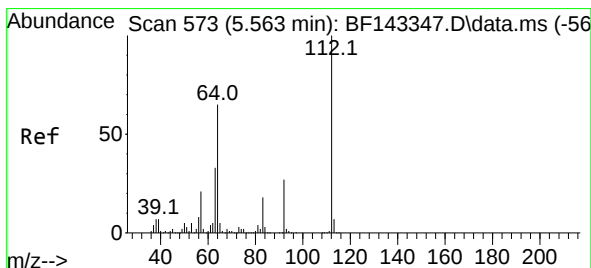
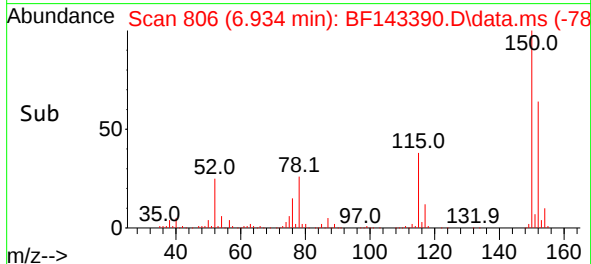
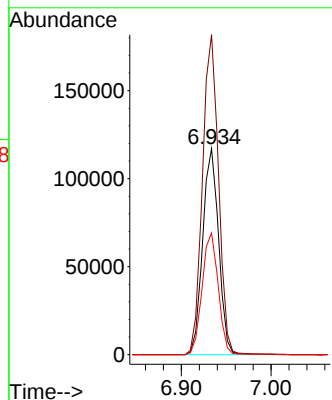
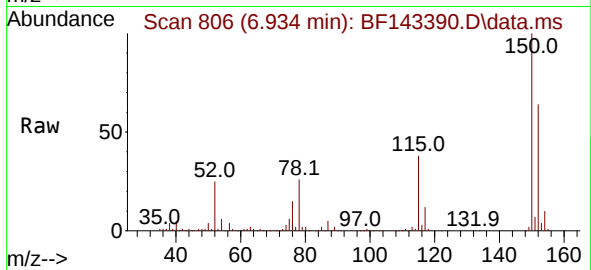




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.934 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

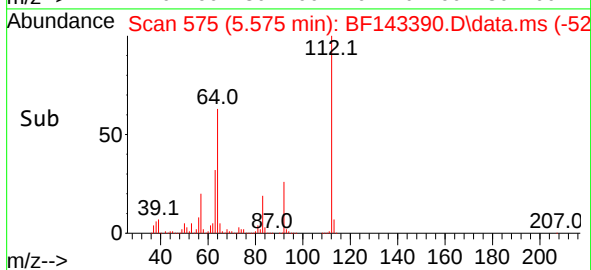
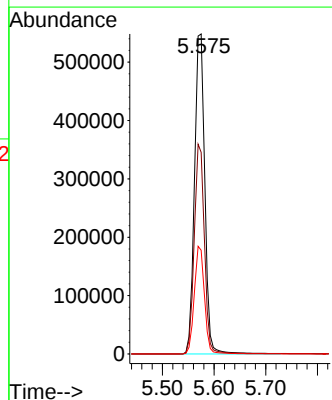
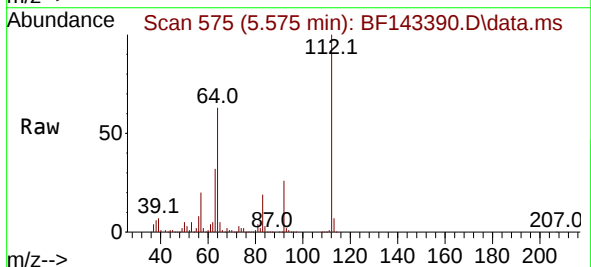
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

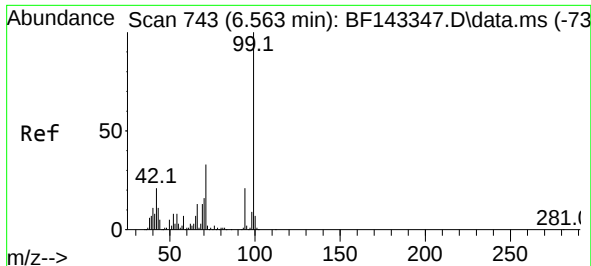
Tgt Ion:152 Resp: 144335  
Ion Ratio Lower Upper  
152 100  
150 155.2 129.8 194.8  
115 59.1 47.8 71.8



#5  
2-Fluorophenol  
Concen: 91.284 ng  
RT: 5.575 min Scan# 575  
Delta R.T. 0.012 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:112 Resp: 761916  
Ion Ratio Lower Upper  
112 100  
64 63.0 52.1 78.1  
63 32.4 26.6 39.8

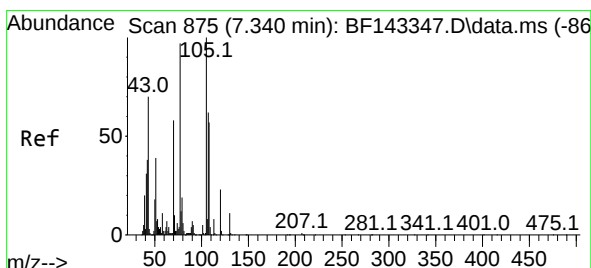
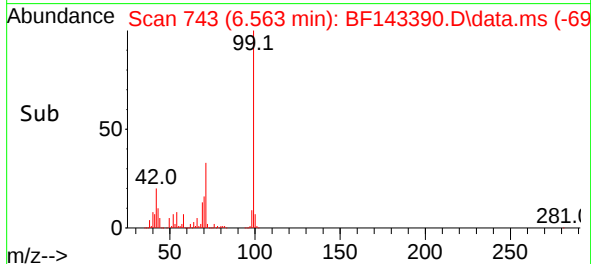
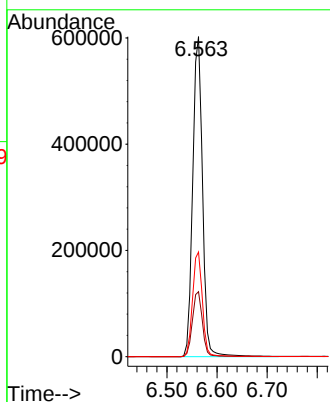
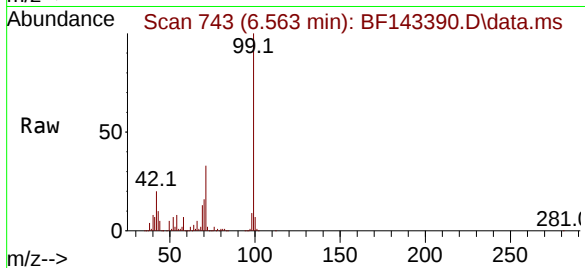




#7  
Phenol-d6  
Concen: 76.438 ng  
RT: 6.563 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

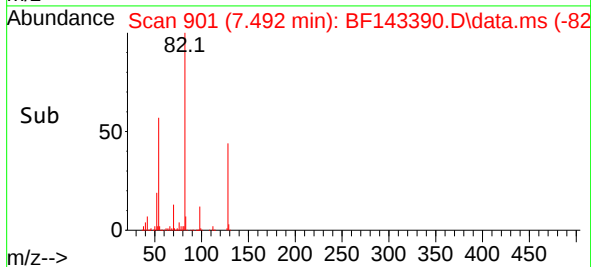
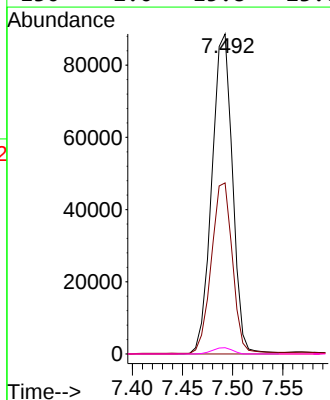
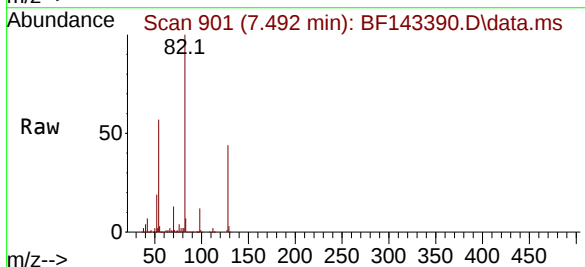
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

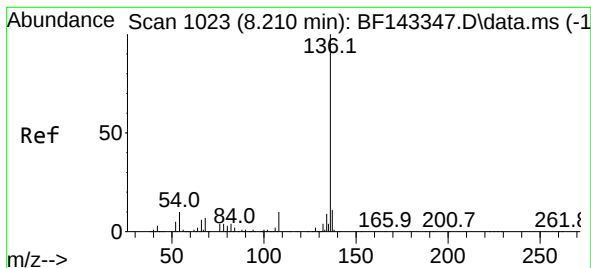
Tgt Ion: 99 Resp: 818157  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.6 25.0  
71 32.7 26.2 39.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.205 ng  
RT: 7.492 min Scan# 901  
Delta R.T. 0.153 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion: 70 Resp: 127019  
Ion Ratio Lower Upper  
70 100  
42 53.4 51.6 77.4  
101 0.0 7.5 11.3#  
130 2.0 15.8 23.6#

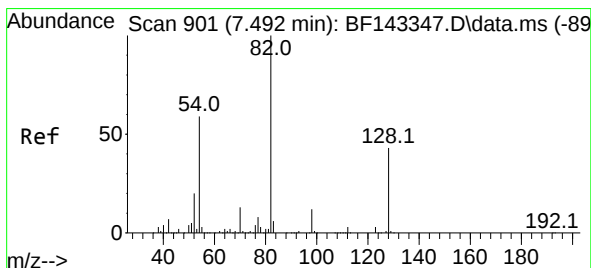
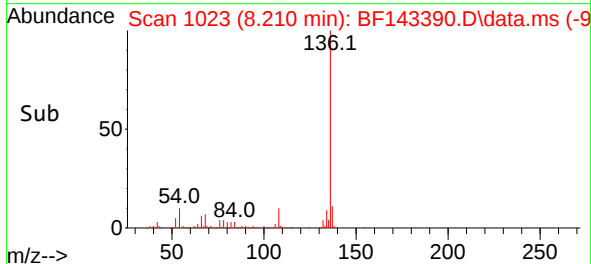
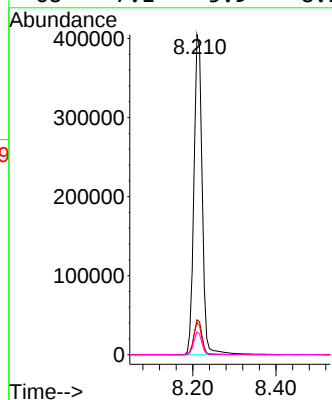
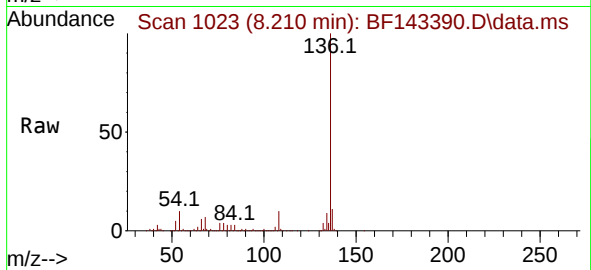




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.210 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

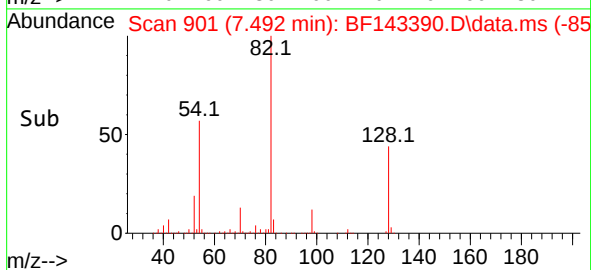
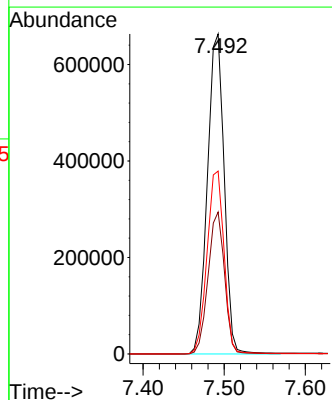
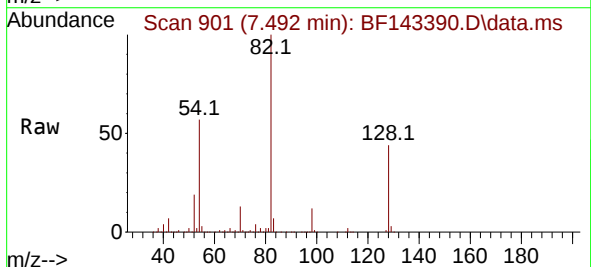
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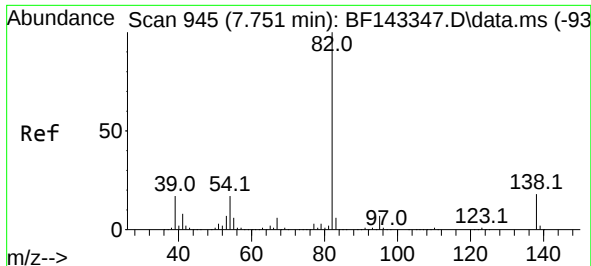
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 558822 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 10.1  | 8.4   | 12.6   |
| 68       | 7.1   | 5.9   | 8.9    |



#23  
Nitrobenzene-d5  
Concen: 106.027 ng  
RT: 7.492 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 951451 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.4  | 33.5  | 50.3   |
| 54       | 57.1  | 46.7  | 70.1   |

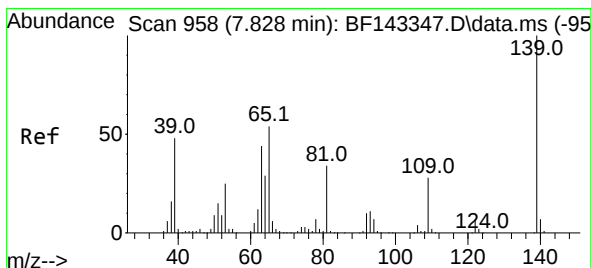
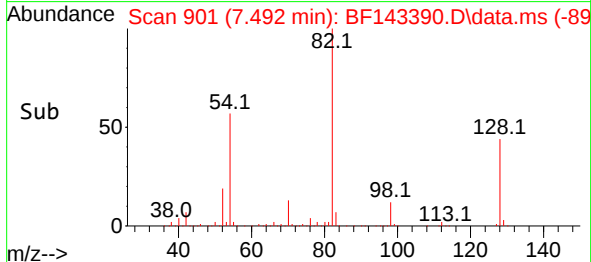
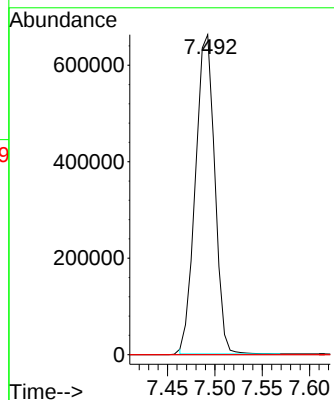
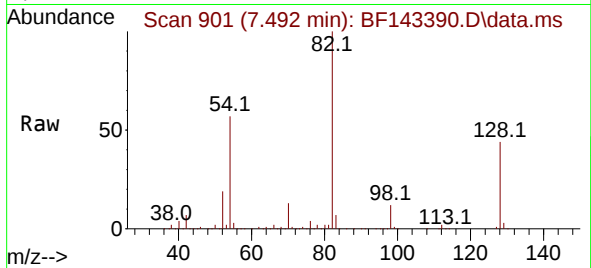




#25  
Isophorone  
Concen: 51.091 ng  
RT: 7.492 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

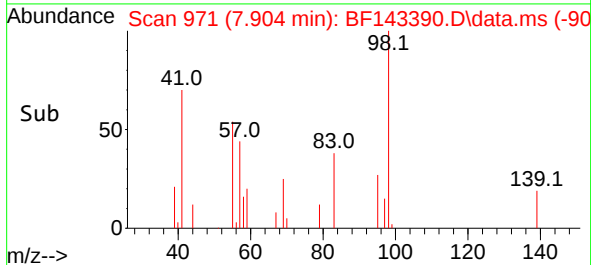
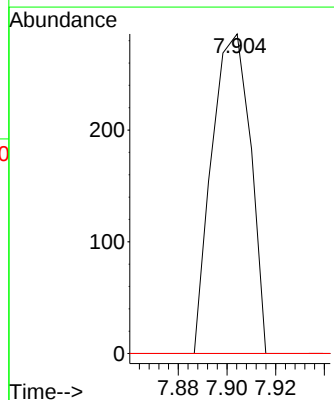
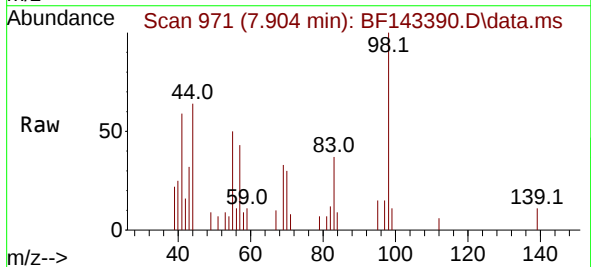
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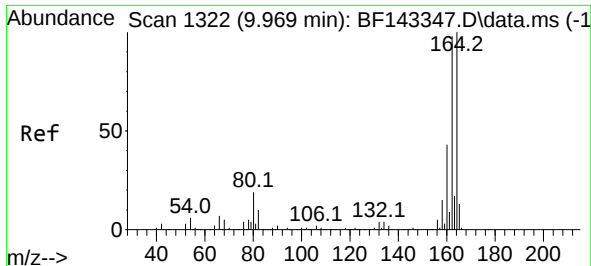
Tgt Ion: 82 Resp: 935939  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.6 21.8#



#26  
2-Nitrophenol  
Concen: 3.717 ng  
RT: 7.904 min Scan# 971  
Delta R.T. 0.076 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:139 Resp: 315  
Ion Ratio Lower Upper  
139 100  
109 0.0 22.4 33.6#  
65 0.0 42.9 64.3#

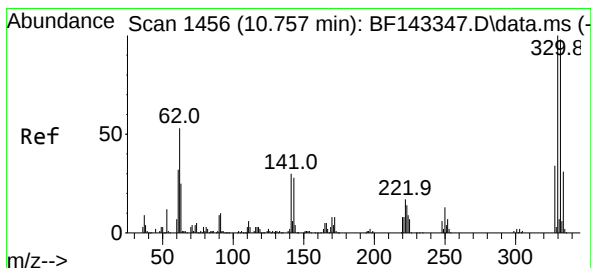
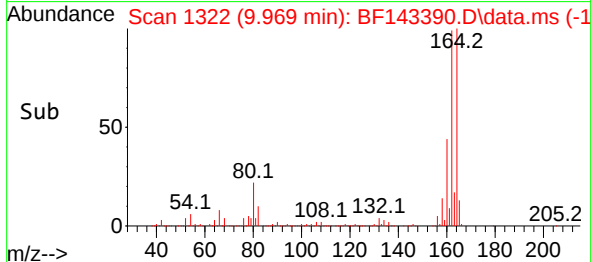
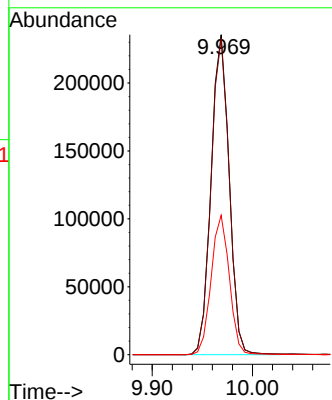
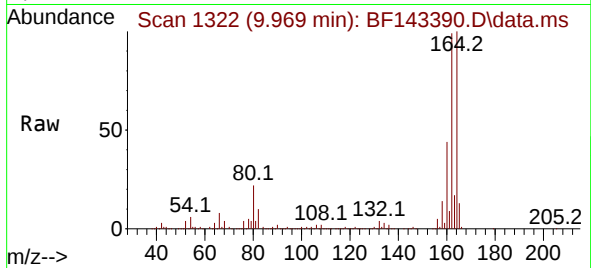




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

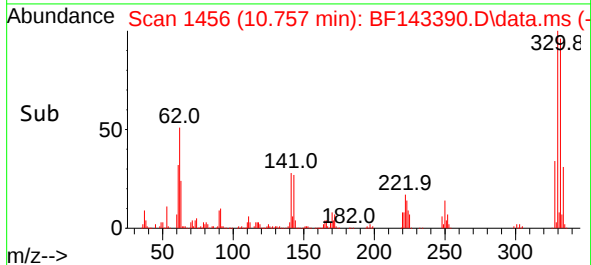
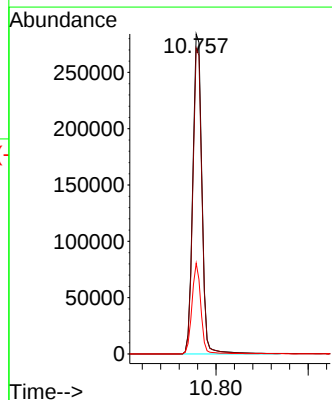
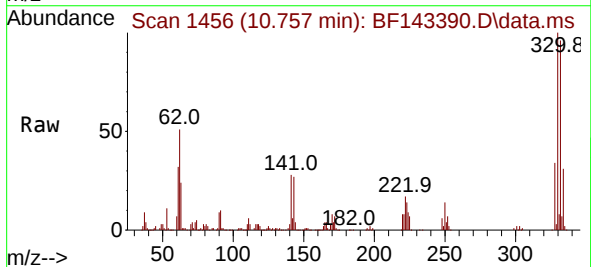
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

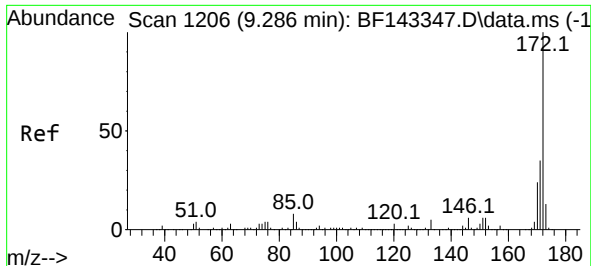
Tgt Ion:164 Resp: 295912  
Ion Ratio Lower Upper  
164 100  
162 98.8 78.6 118.0  
160 43.5 34.4 51.6



#42  
2,4,6-Tribromophenol  
Concen: 180.446 ng  
RT: 10.757 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:330 Resp: 390230  
Ion Ratio Lower Upper  
330 100  
332 95.5 78.1 117.1  
141 27.8 25.4 38.0

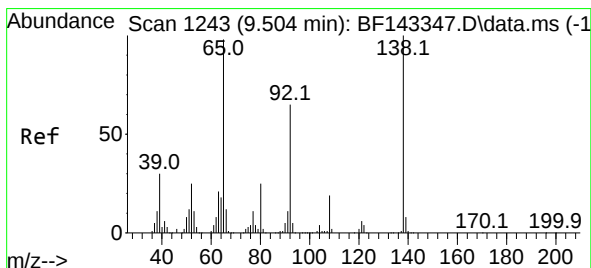
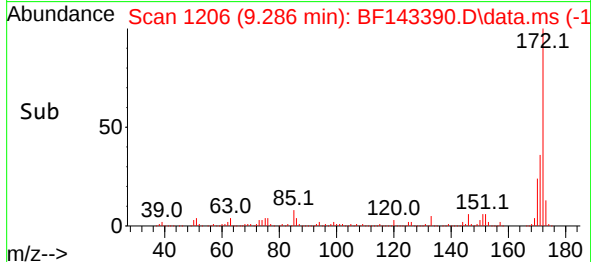
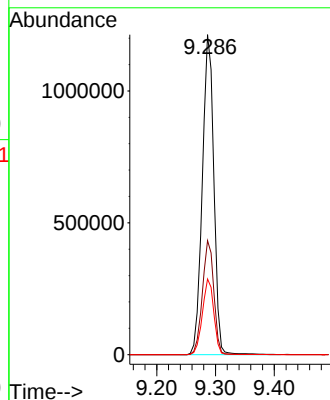
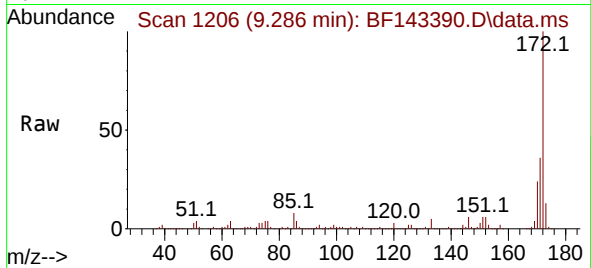




#45  
2-Fluorobiphenyl  
Concen: 94.955 ng  
RT: 9.286 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

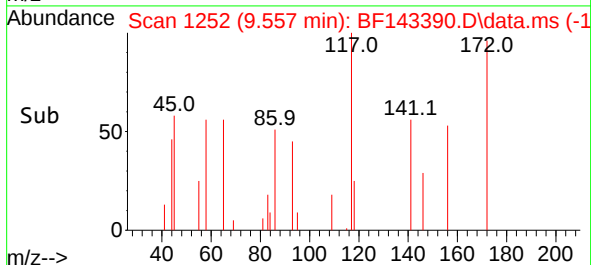
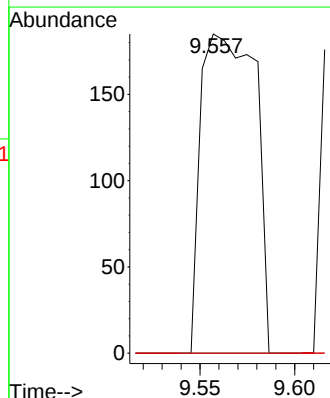
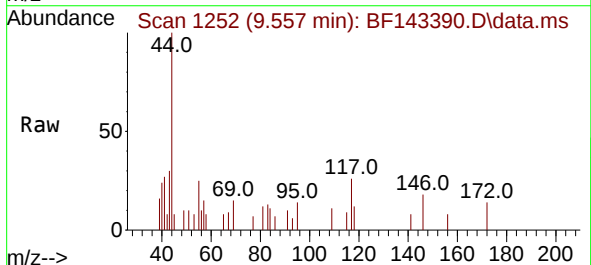
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

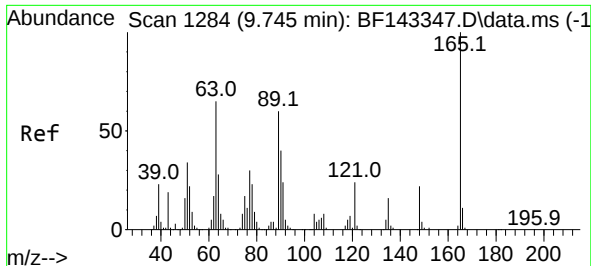
Tgt Ion:172 Resp: 1656977  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.4 42.6  
170 23.7 19.1 28.7



#48  
2-Nitroaniline  
Concen: 2.839 ng  
RT: 9.557 min Scan# 1252  
Delta R.T. 0.053 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion: 65 Resp: 368  
Ion Ratio Lower Upper  
65 100  
92 0.0 53.1 79.7#  
138 0.0 81.4 122.0#

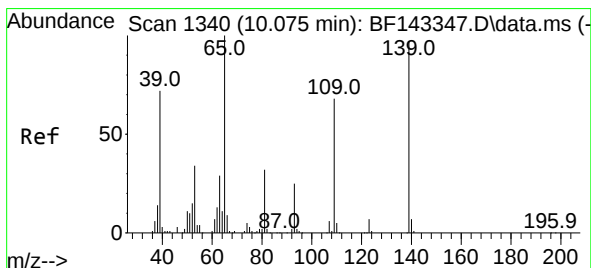
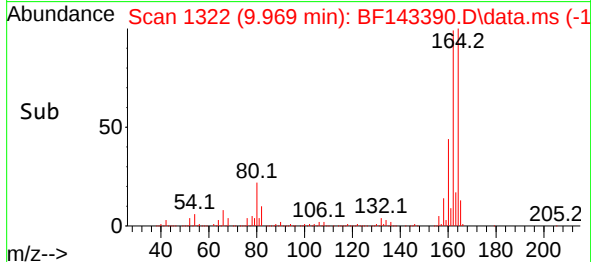
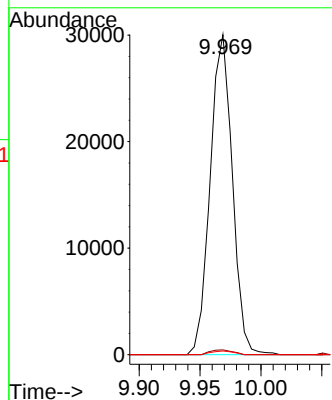
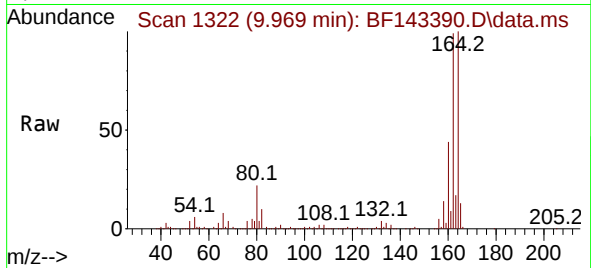




#51  
2,6-Dinitrotoluene  
Concen: 13.851 ng  
RT: 9.969 min Scan# 11  
Delta R.T. 0.224 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

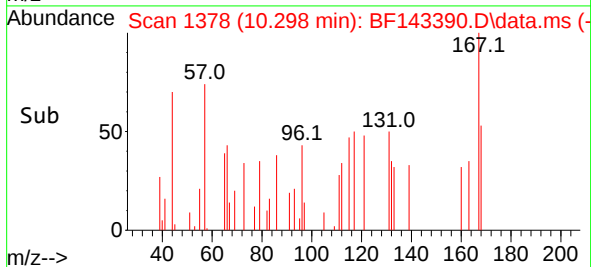
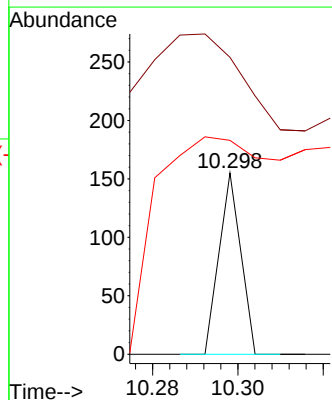
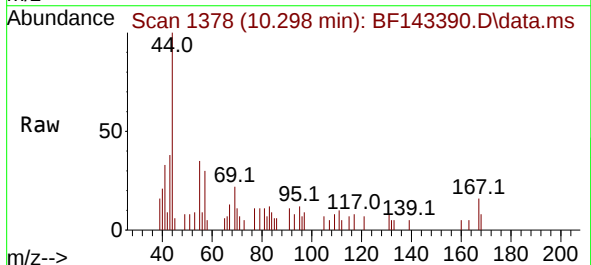
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

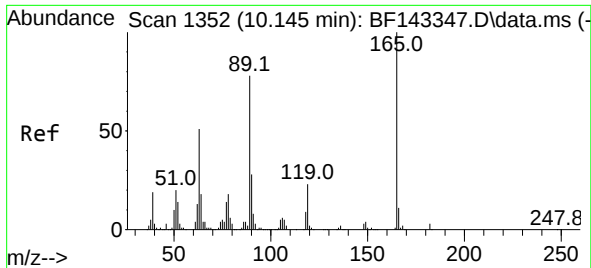
Tgt Ion:165 Resp: 37969  
Ion Ratio Lower Upper  
165 100  
63 1.5 51.6 77.4#  
89 1.1 47.7 71.5#



#56  
4-Nitrophenol  
Concen: 5.495 ng  
RT: 10.298 min Scan# 1378  
Delta R.T. 0.223 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:139 Resp: 55  
Ion Ratio Lower Upper  
139 100  
109 163.9 49.4 89.4#  
65 118.1 83.7 123.7

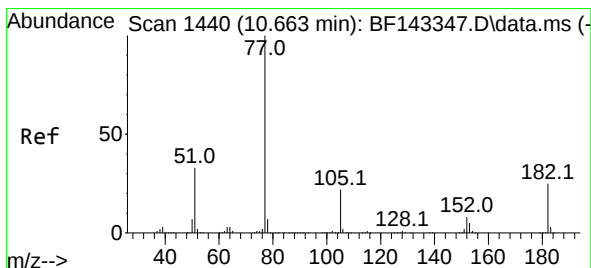
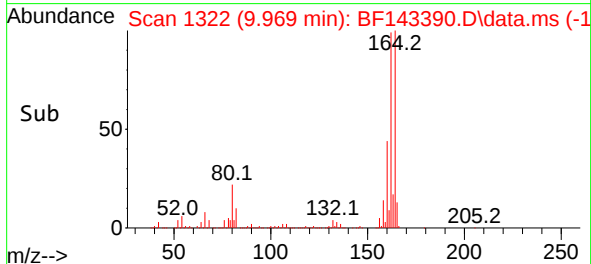
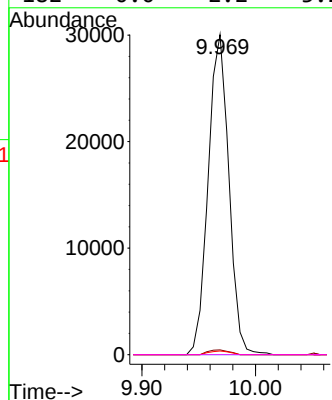
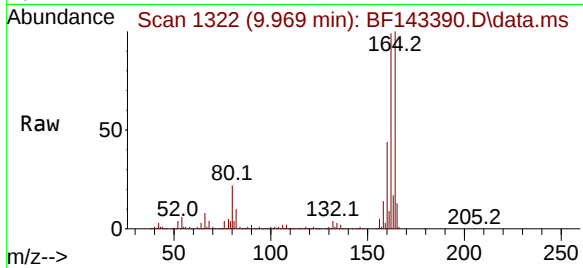




#57  
2,4-Dinitrotoluene  
Concen: 11.210 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.176 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

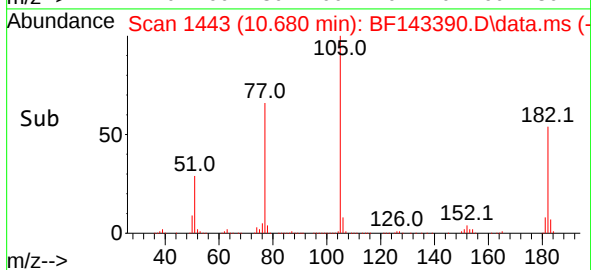
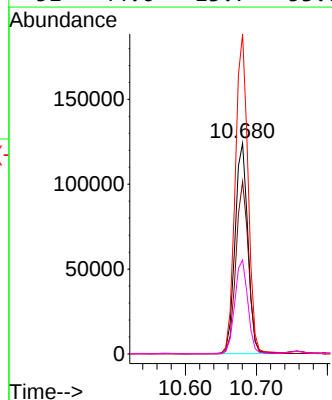
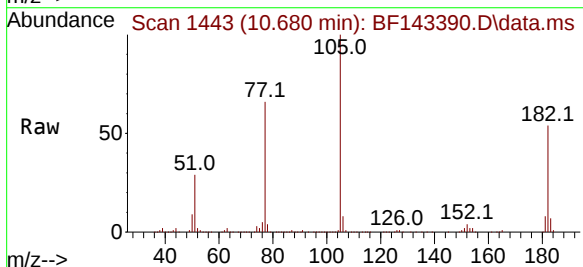
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

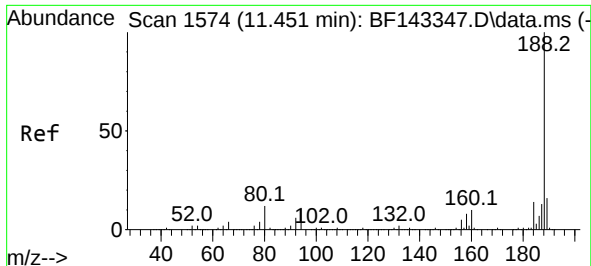
Tgt Ion:165 Resp: 37970  
Ion Ratio Lower Upper  
165 100  
63 1.5 41.8 62.8#  
89 1.1 62.4 93.6#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 8.834 ng  
RT: 10.680 min Scan# 1443  
Delta R.T. 0.018 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion: 77 Resp: 156276  
Ion Ratio Lower Upper  
77 100  
182 81.8 4.4 44.4#  
105 151.8 1.8 41.8#  
51 44.6 13.7 53.7

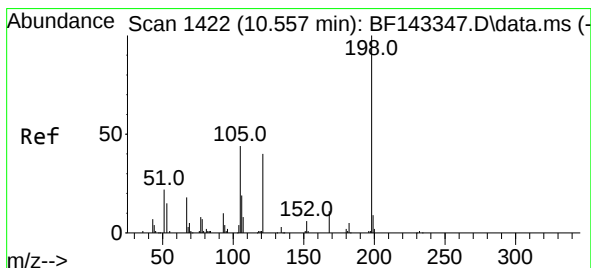
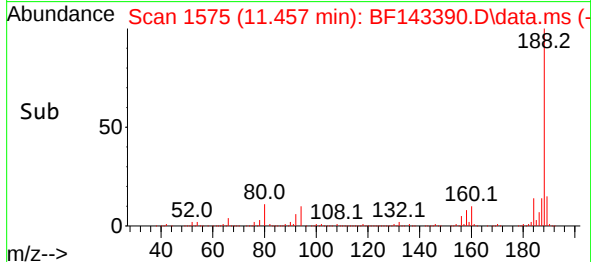
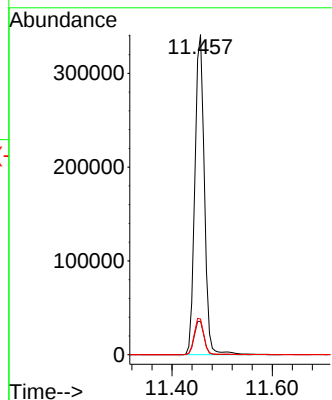
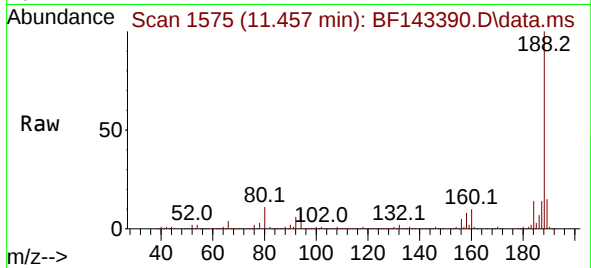




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

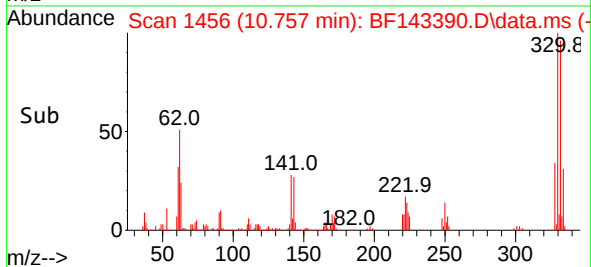
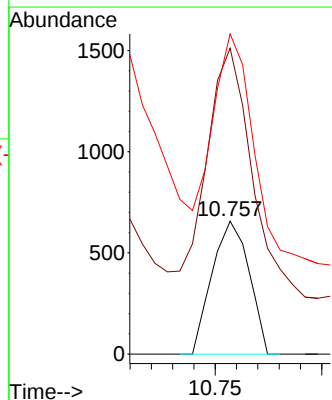
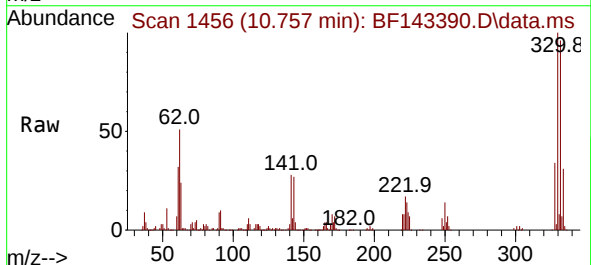
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

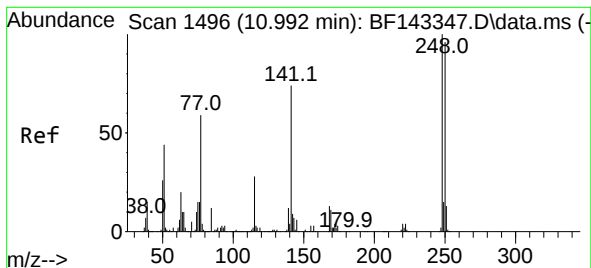
Tgt Ion:188 Resp: 447522  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.8 13.2  
80 11.2 9.7 14.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.634 ng  
RT: 10.757 min Scan# 1456  
Delta R.T. 0.200 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:198 Resp: 795  
Ion Ratio Lower Upper  
198 100  
51 230.1 41.7 81.7#  
105 240.8 26.8 66.8#

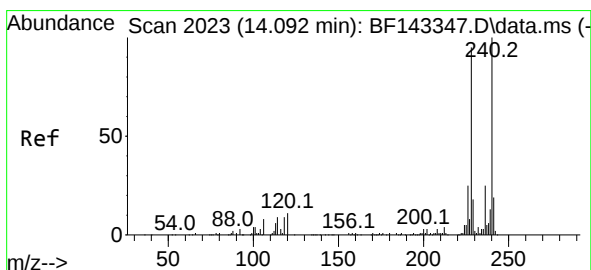
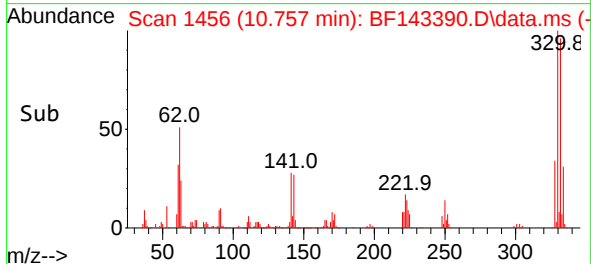
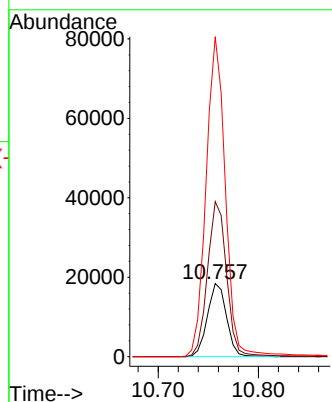
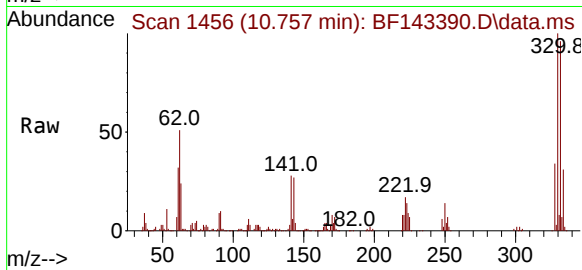




#67  
4-Bromophenyl-phenylether  
Concen: 4.777 ng  
RT: 10.757 min Scan# 14  
Delta R.T. -0.235 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

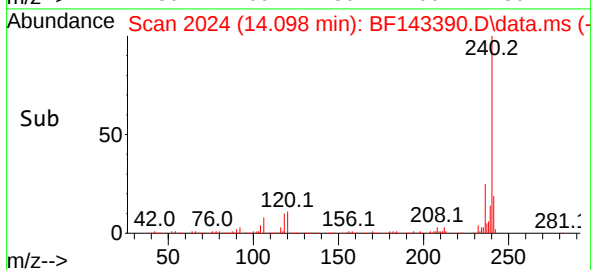
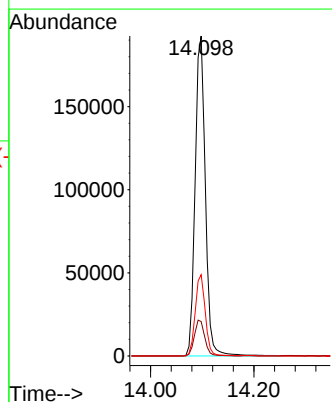
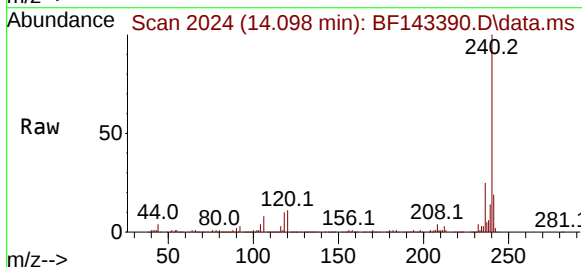
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

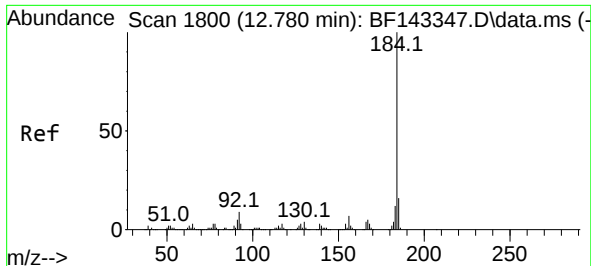
Tgt Ion:248 Resp: 24452  
Ion Ratio Lower Upper  
248 100  
250 211.8 77.1 115.7#  
141 437.2 59.1 88.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2024  
Delta R.T. 0.006 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:240 Resp: 264789  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.0 13.6  
236 25.4 19.9 29.9

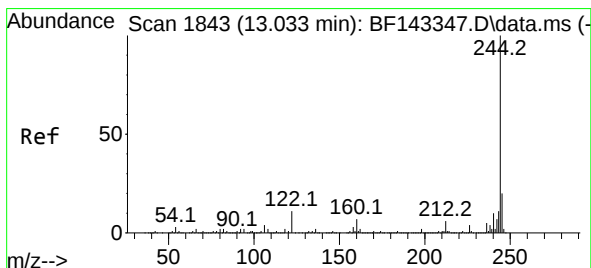
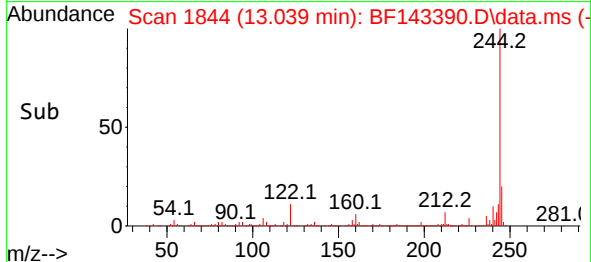
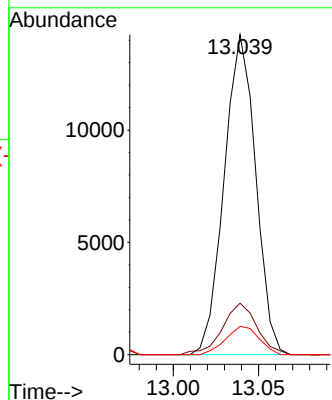
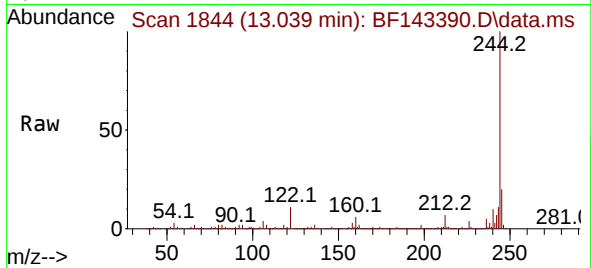




#77  
Benzidine  
Concen: 2.533 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.259 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

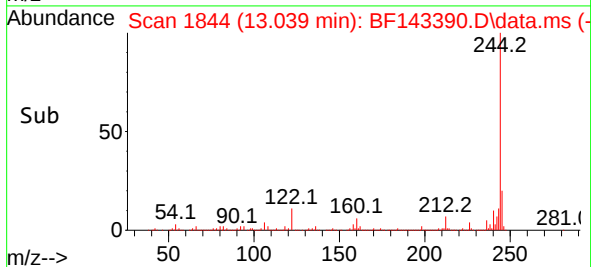
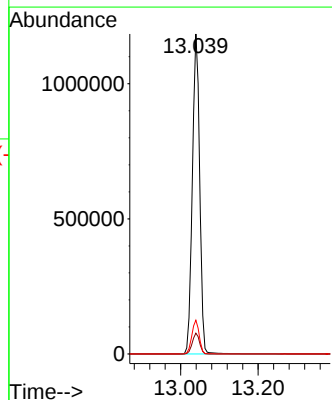
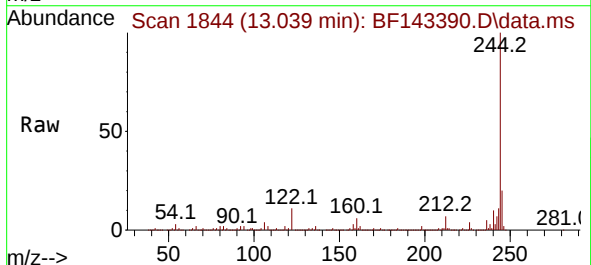
Instrument :  
BNA\_F  
ClientSampleId :  
TW-BP-S

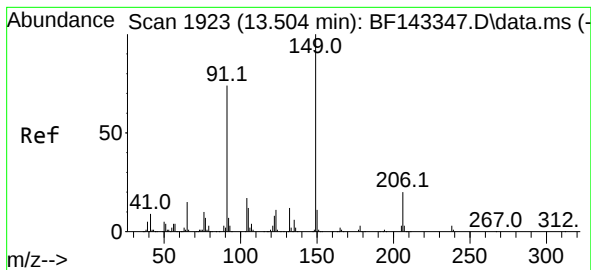
Tgt Ion:184 Resp: 18337  
Ion Ratio Lower Upper  
184 100  
185 16.1 12.8 19.2  
183 8.9 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 104.718 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.006 min  
Lab File: BF143390.D  
Acq: 14 Aug 2025 19:26

Tgt Ion:244 Resp: 1553100  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 10.6 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.513 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143390.D

Acq: 14 Aug 2025 19:26

Instrument :

BNA\_F

ClientSampleId :

TW-BP-S

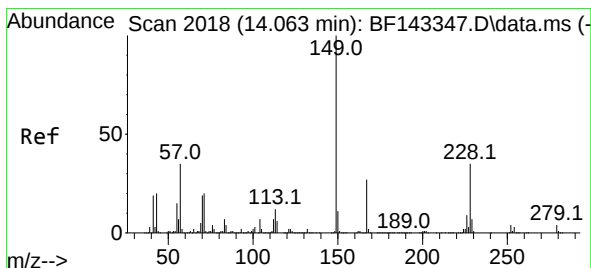
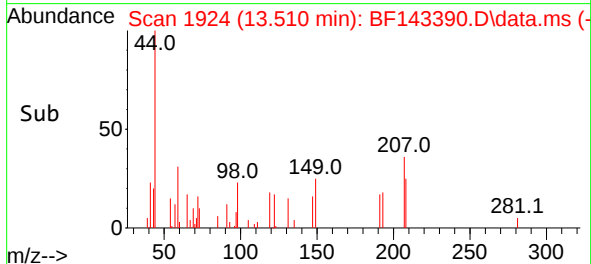
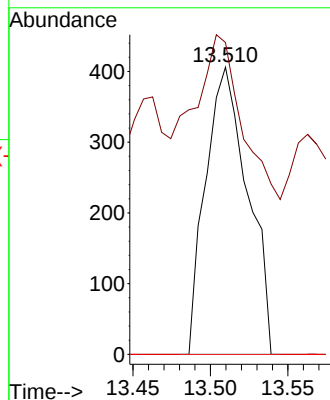
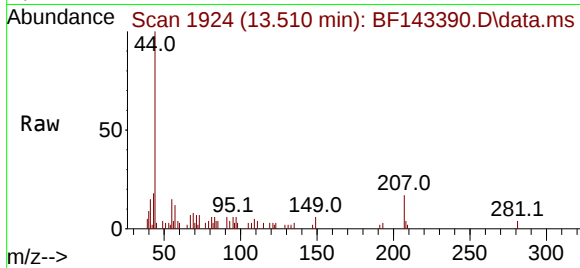
Tgt Ion:149 Resp: 766

Ion Ratio Lower Upper

149 100

91 108.6 58.8 88.2#

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.279 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143390.D

Acq: 14 Aug 2025 19:26

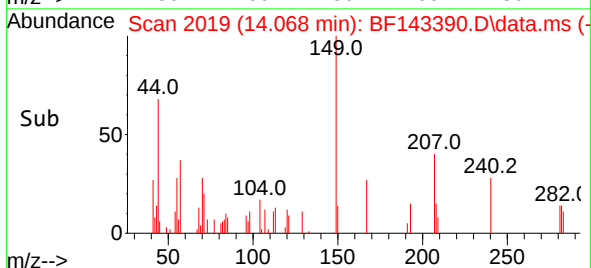
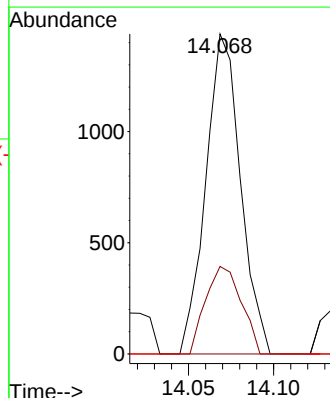
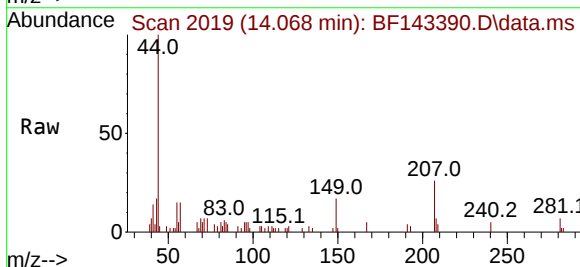
Tgt Ion:149 Resp: 2038

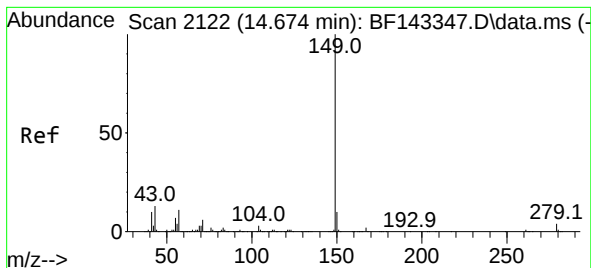
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.061 ng

RT: 14.721 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF143390.D

Acq: 14 Aug 2025 19:26

Instrument :

BNA\_F

ClientSampleId :

TW-BP-S

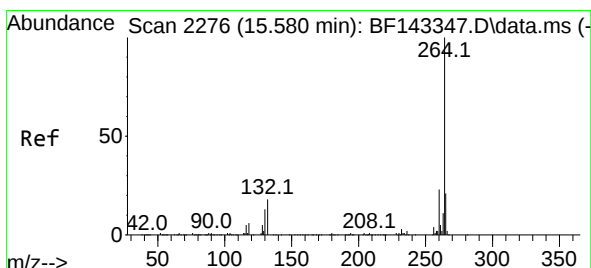
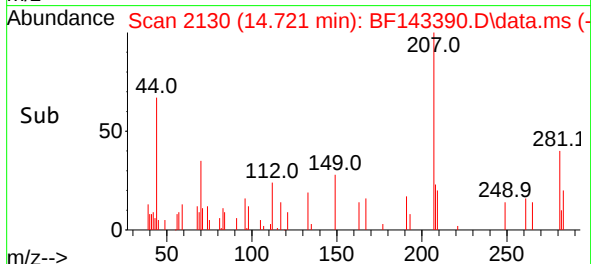
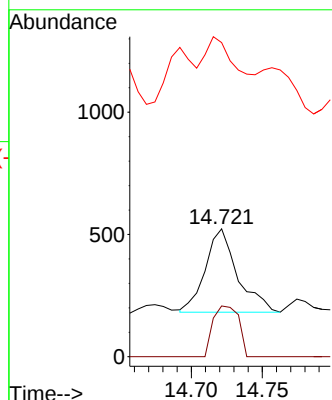
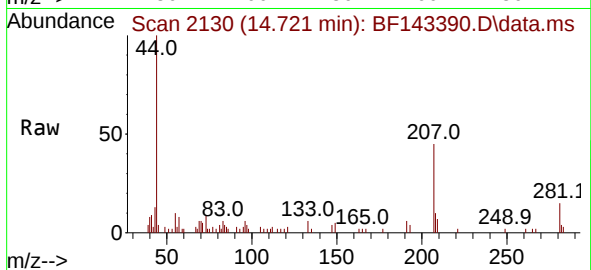
Tgt Ion:149 Resp: 537

Ion Ratio Lower Upper

149 100

167 48.6 1.3 1.9#

43 44.5 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: BF143390.D

Acq: 14 Aug 2025 19:26

Tgt Ion:264 Resp: 301869

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.4 17.2 25.8

