

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071825\  
 Data File : BF143165.D  
 Acq On : 18 Jul 2025 14:25  
 Operator : RC/JU  
 Sample : Q2585-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Quant Time: Jul 18 15:07:56 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

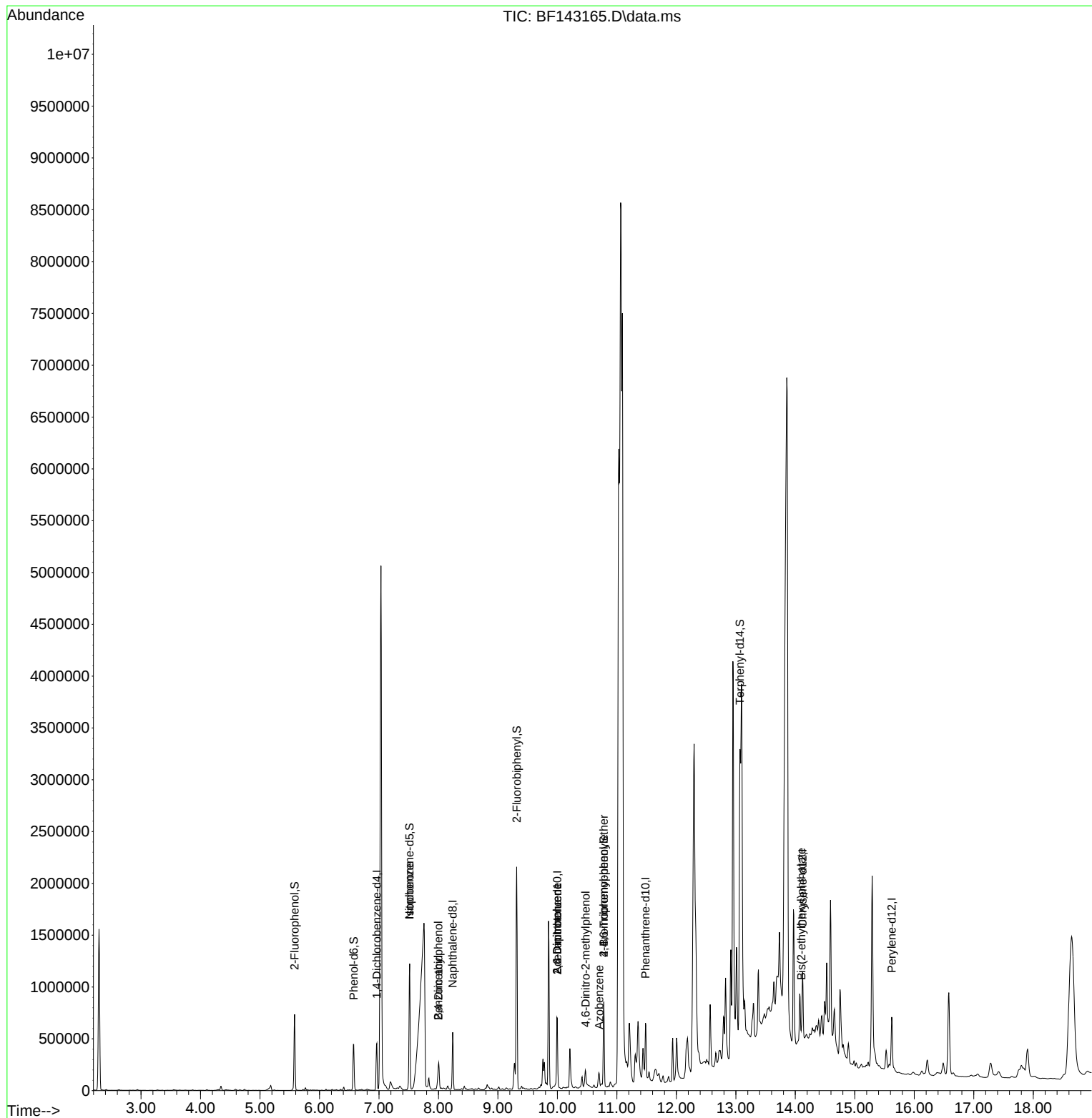
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 91787    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 319077   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 149160   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.480 | 188  | 262674   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.121 | 240  | 270242   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.621 | 264  | 282695   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 244449   | 42.145 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.575  | 99   | 191446   | 26.223 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 519099   | 81.095 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.780 | 330  | 133224   | 86.458 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 906419   | 83.108 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.068 | 244  | 1049796  | 57.808 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 25) Isophorone                | 7.516  | 82   | 517240   | 45.773 | ng    | # 66     |
| 27) 2,4-Dimethylphenol        | 7.998  | 122  | 55126    | 10.442 | ng    | # 5      |
| 32) Benzoic acid              | 7.998  | 122  | 55126    | 21.715 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 20869    | 10.551 | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 20869    | 8.410  | ng    | # 21     |
| 63) Azobenzene                | 10.704 | 77   | 28555    | 2.851  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.474 | 198  | 60       | 5.451  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.780 | 248  | 8368     | 2.673  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149  | 27871    | 2.607  | ng    | 96       |
| -----                         |        |      |          |        |       |          |

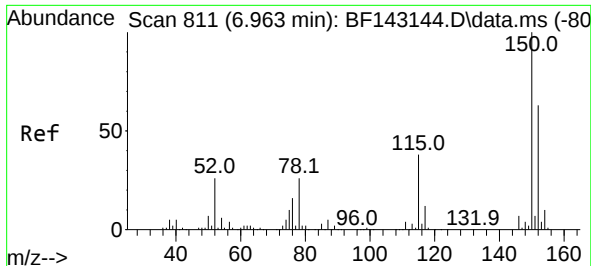
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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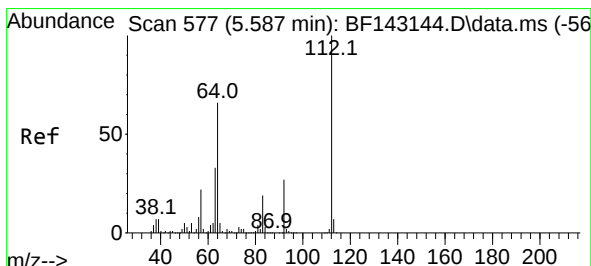
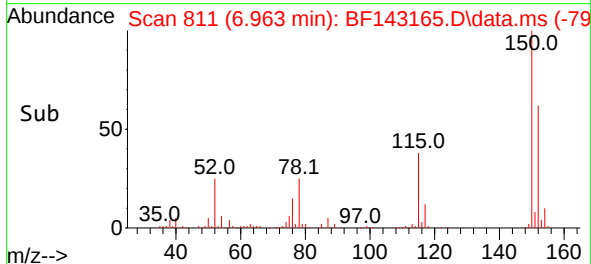
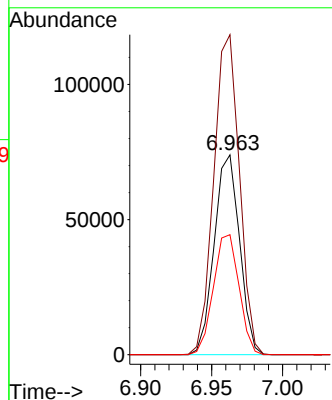
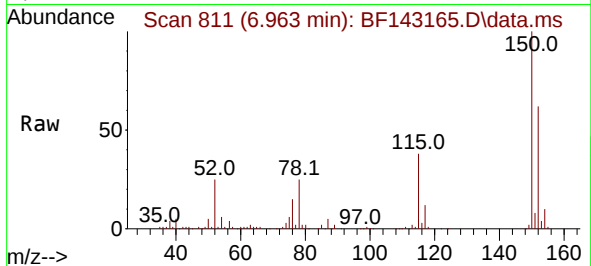




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

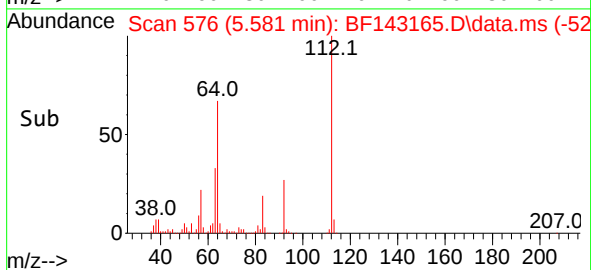
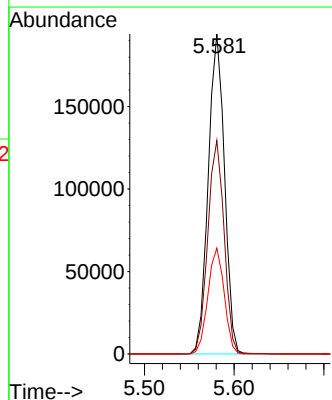
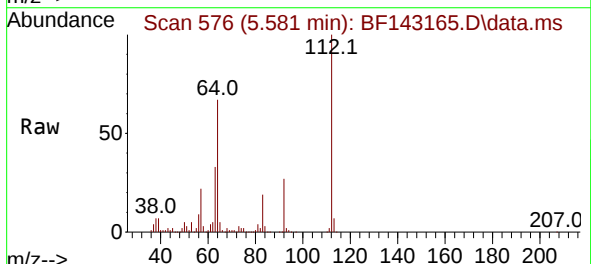
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

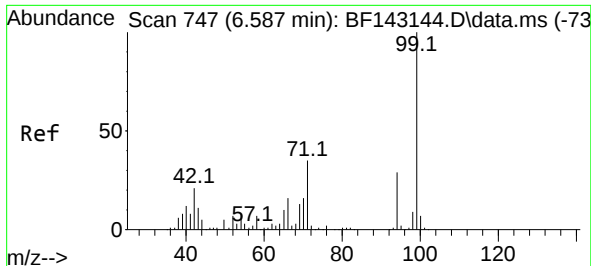
Tgt Ion:152 Resp: 91787  
Ion Ratio Lower Upper  
152 100  
150 160.2 128.2 192.4  
115 60.1 47.9 71.9



#5  
2-Fluorophenol  
Concen: 42.145 ng  
RT: 5.581 min Scan# 576  
Delta R.T. -0.006 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion:112 Resp: 244449  
Ion Ratio Lower Upper  
112 100  
64 66.7 53.1 79.7  
63 33.1 26.6 40.0

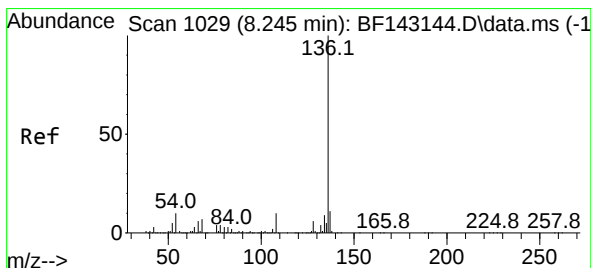
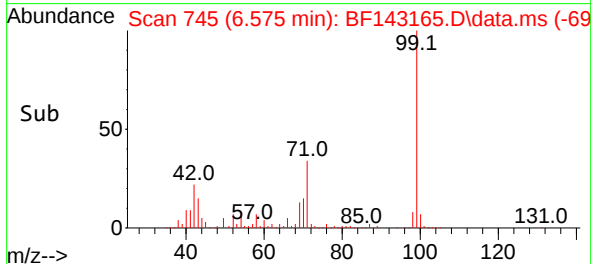
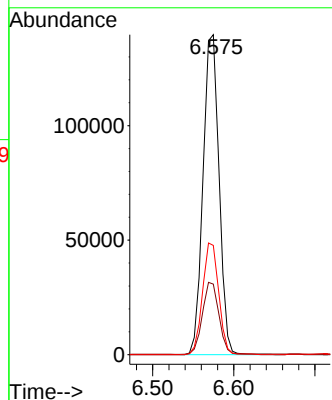
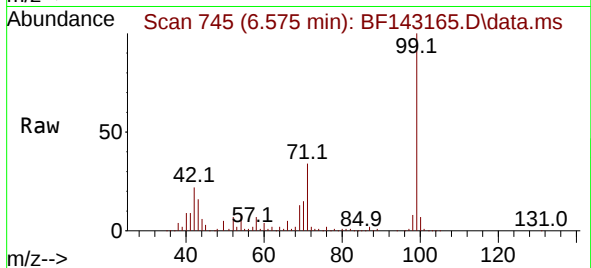




#7  
Phenol-d6  
Concen: 26.223 ng  
RT: 6.575 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

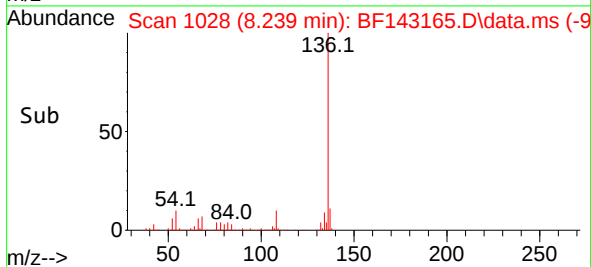
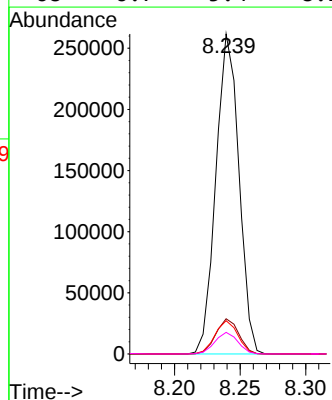
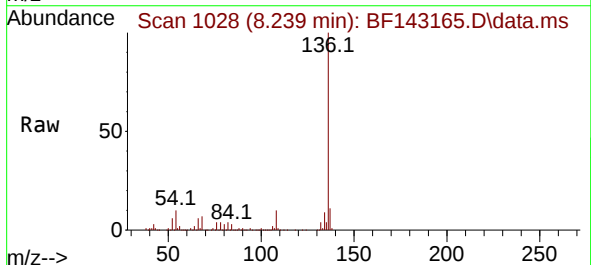
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

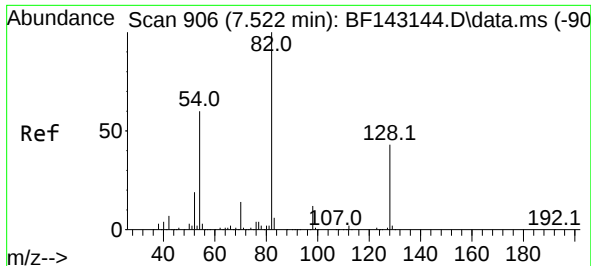
Tgt Ion: 99 Resp: 191446  
Ion Ratio Lower Upper  
99 100  
42 22.1 17.0 25.6  
71 34.1 27.7 41.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion: 136 Resp: 319077  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 10.4 8.2 12.2  
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 81.095 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

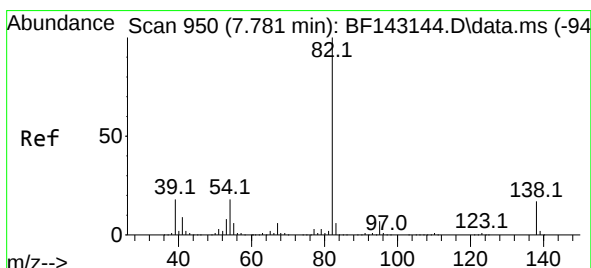
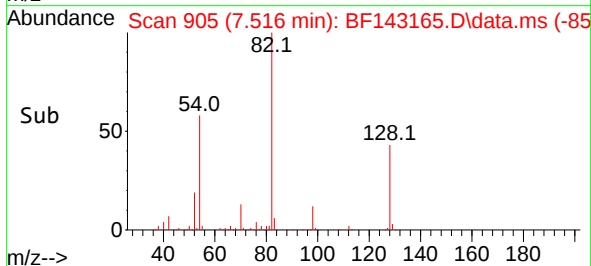
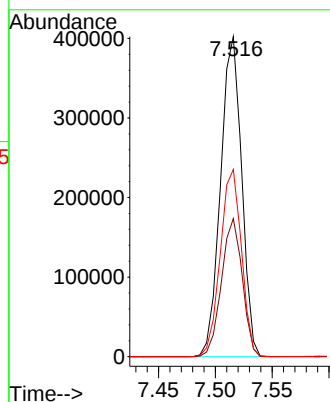
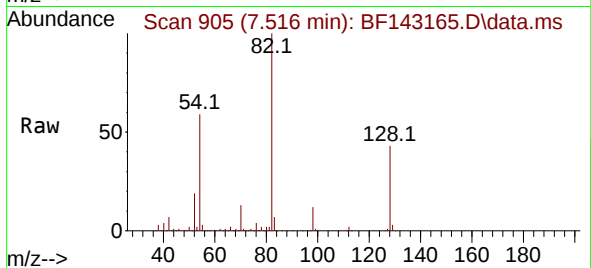
Tgt Ion: 82 Resp: 519099

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.5 47.1 70.7



#25

Isophorone

Concen: 45.773 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.265 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

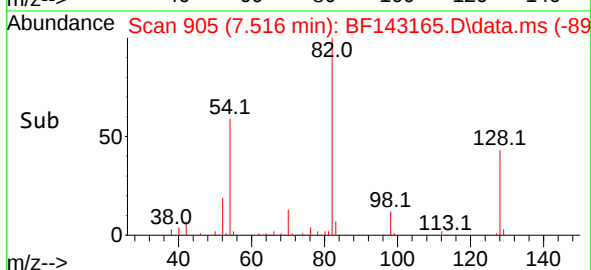
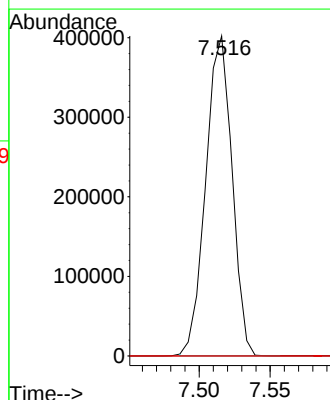
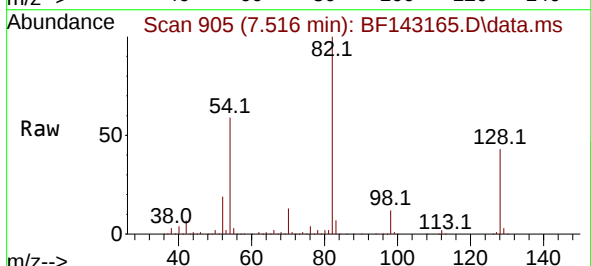
Tgt Ion: 82 Resp: 517240

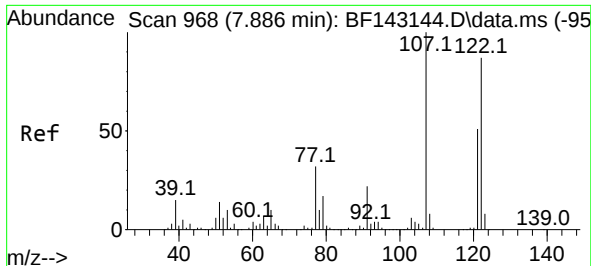
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#

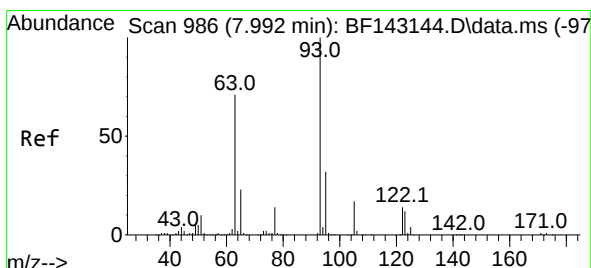
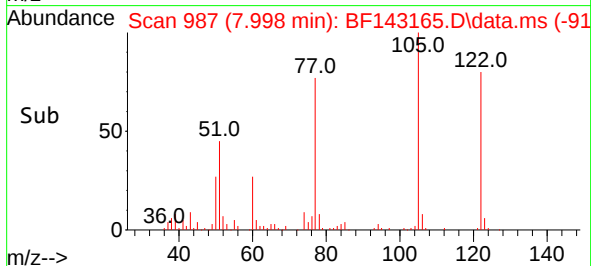
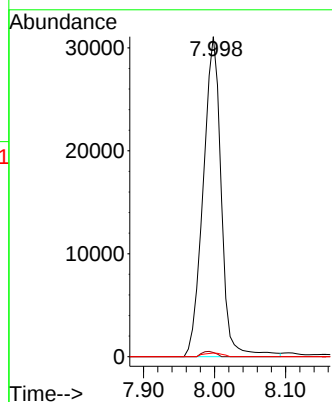
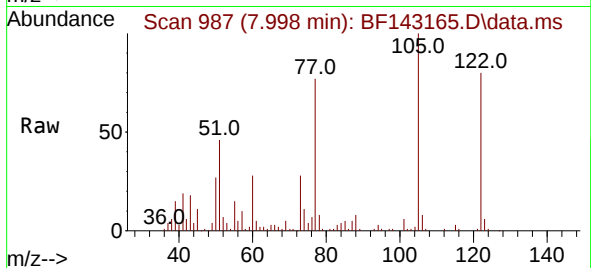




#27  
2,4-Dimethylphenol  
Concen: 10.442 ng  
RT: 7.998 min Scan# 91  
Delta R.T. 0.112 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

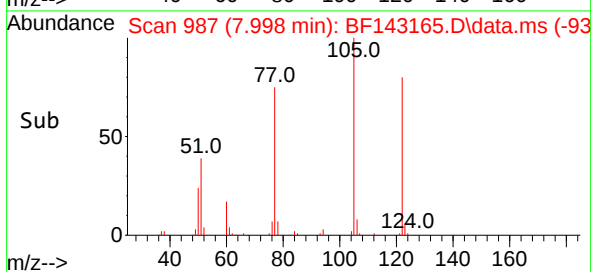
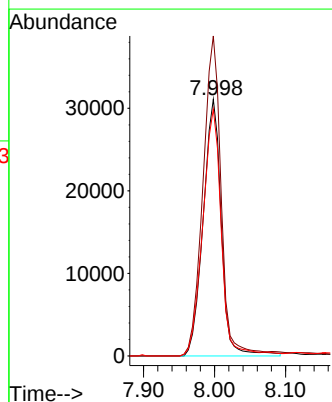
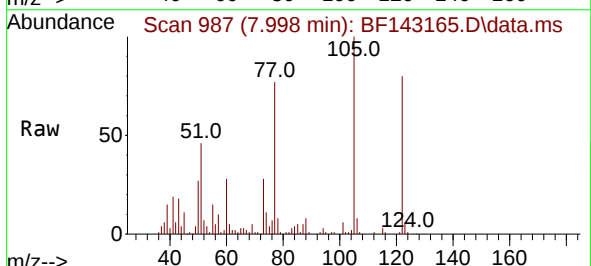
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

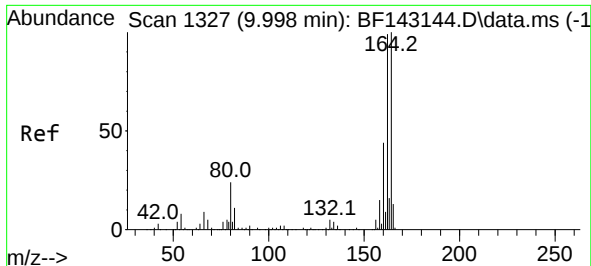
Tgt Ion:122 Resp: 55126  
Ion Ratio Lower Upper  
122 100  
107 1.3 91.8 137.6#  
121 1.2 46.3 69.5#



#32  
Benzoic acid  
Concen: 21.715 ng  
RT: 7.998 min Scan# 987  
Delta R.T. 0.006 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion:122 Resp: 55126  
Ion Ratio Lower Upper  
122 100  
105 124.7 104.8 144.8  
77 96.2 77.6 117.6

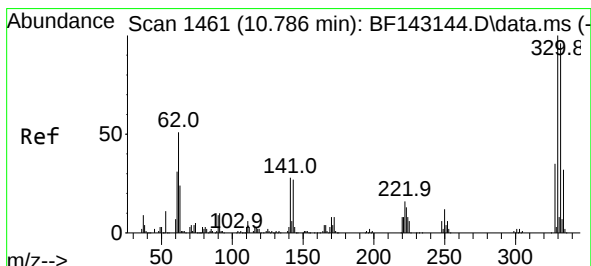
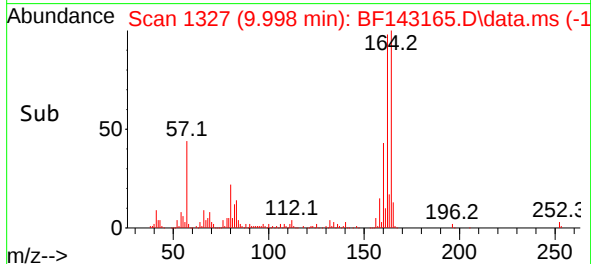
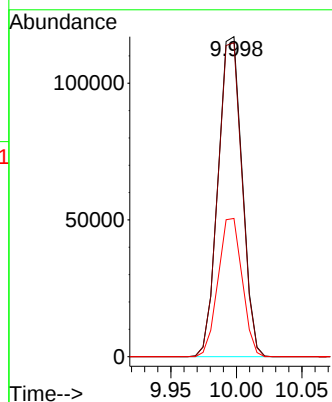
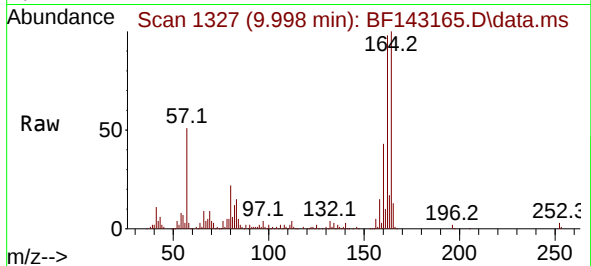




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

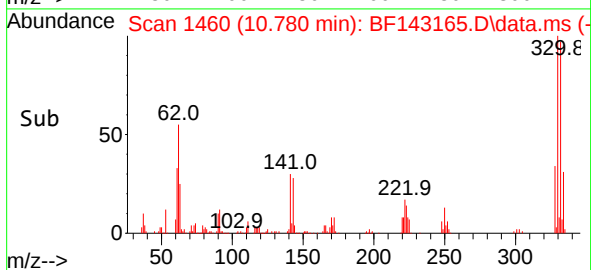
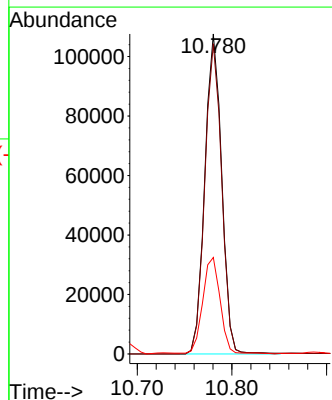
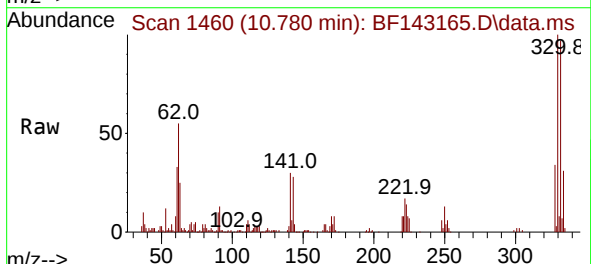
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

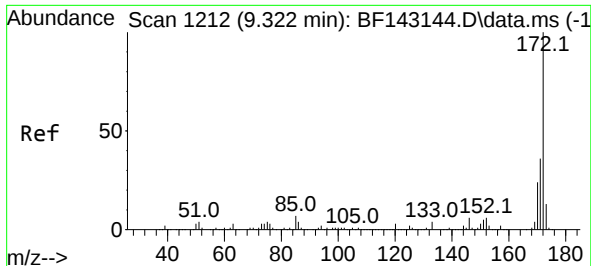
Tgt Ion:164 Resp: 149160  
Ion Ratio Lower Upper  
164 100  
162 98.1 79.0 118.6  
160 43.2 35.1 52.7



#42  
2,4,6-Tribromophenol  
Concen: 86.458 ng  
RT: 10.780 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion:330 Resp: 133224  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.7 115.1  
141 31.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 83.108 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

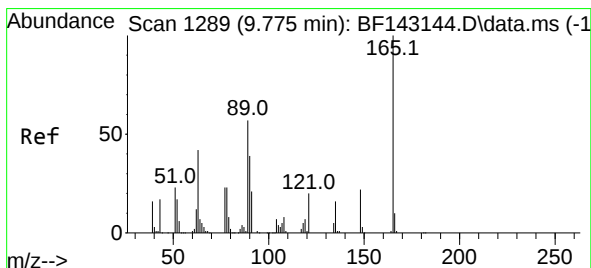
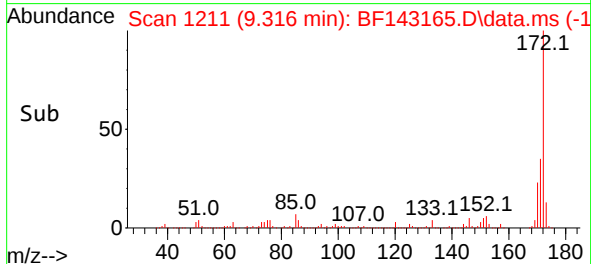
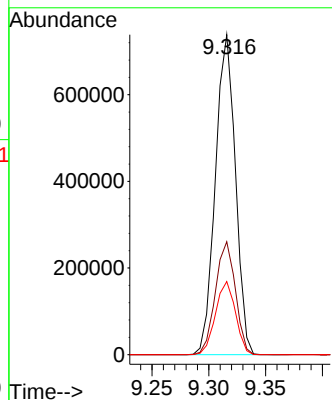
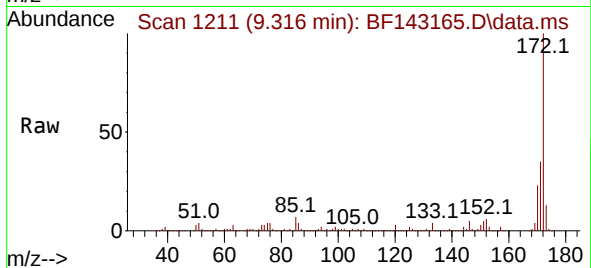
Tgt Ion:172 Resp: 906419

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 22.9 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.551 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

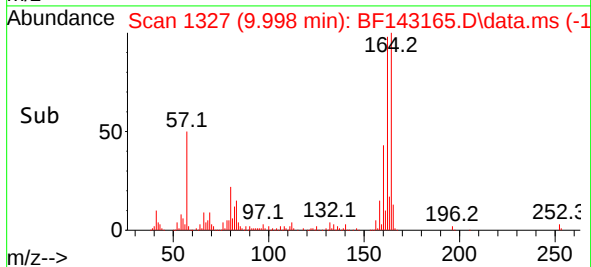
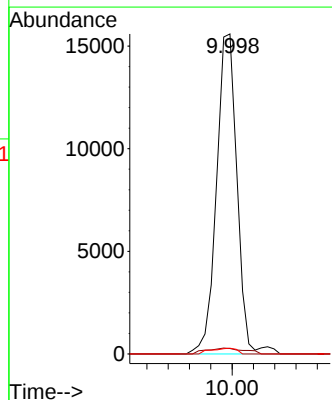
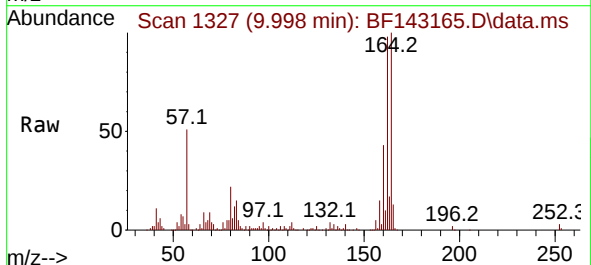
Tgt Ion:165 Resp: 20869

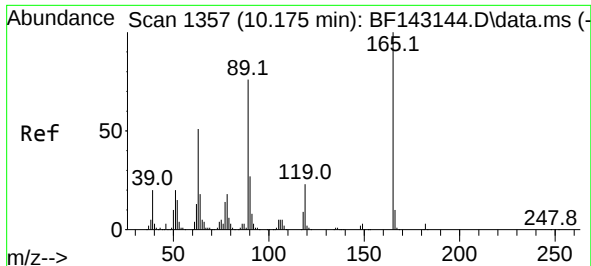
Ion Ratio Lower Upper

165 100

63 1.7 49.4 74.2#

89 1.8 46.2 69.2#

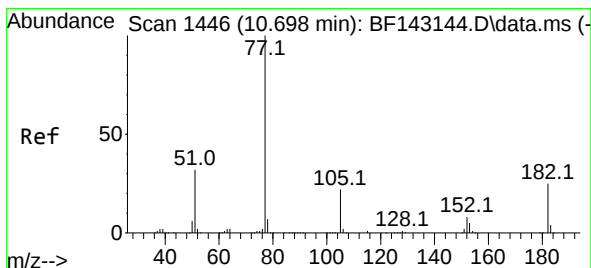
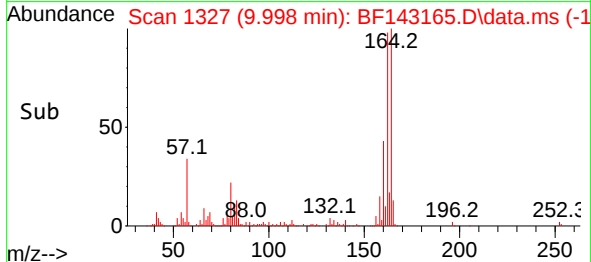
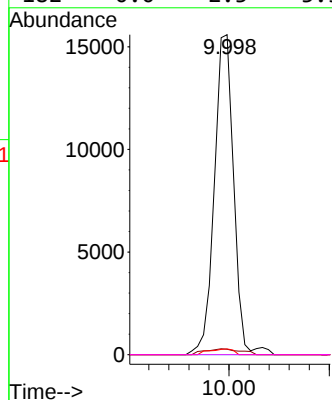
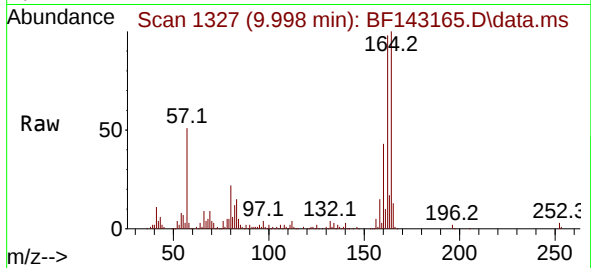




#57  
2,4-Dinitrotoluene  
Concen: 8.410 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.177 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

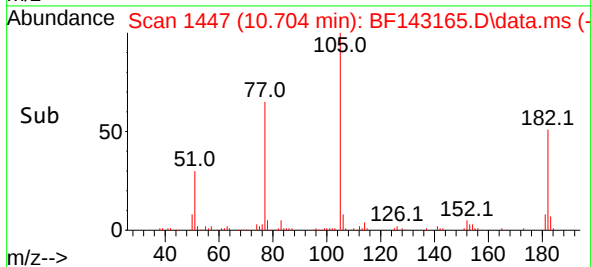
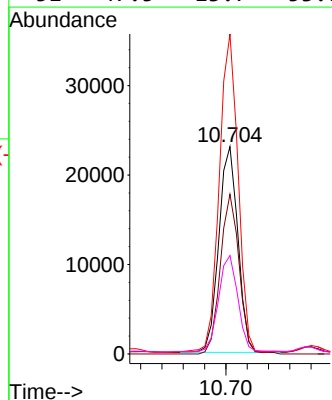
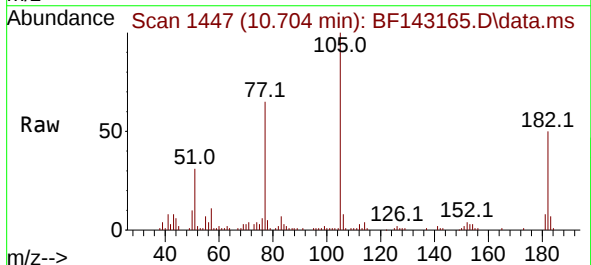
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

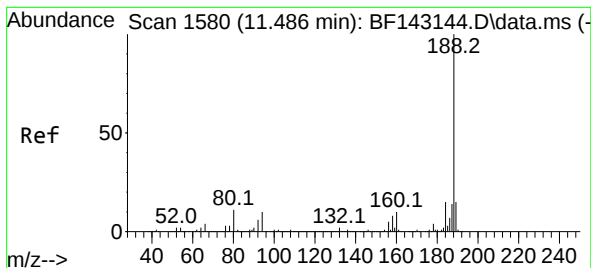
Tgt Ion:165 Resp: 20869  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.0 61.4#  
89 1.8 61.1 91.7#  
182 0.0 2.3 3.5#



#63  
Azobenzene  
Concen: 2.851 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion: 77 Resp: 28555  
Ion Ratio Lower Upper  
77 100  
182 77.0 4.6 44.6#  
105 154.3 1.4 41.4#  
51 47.5 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

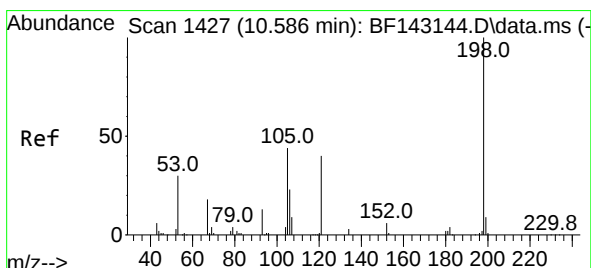
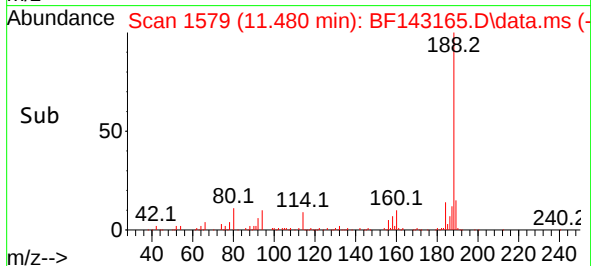
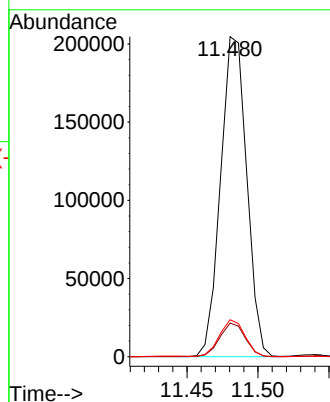
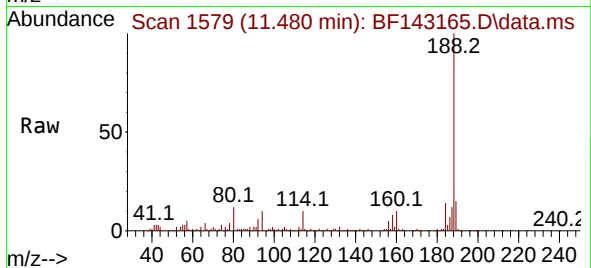
Tgt Ion:188 Resp: 262674

Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

80 11.6 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.451 ng

RT: 10.474 min Scan# 1408

Delta R.T. -0.112 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

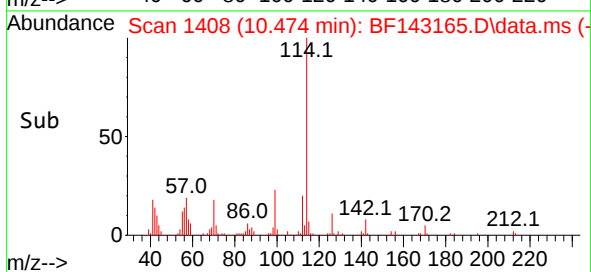
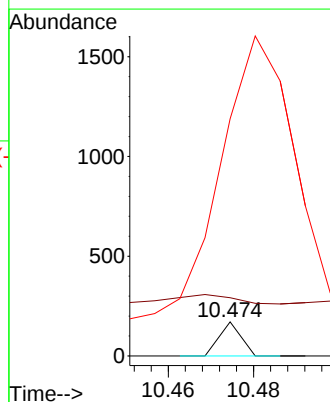
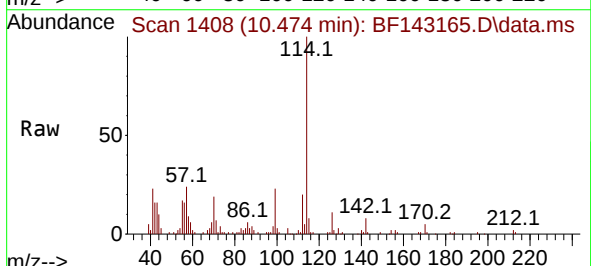
Tgt Ion:198 Resp: 60

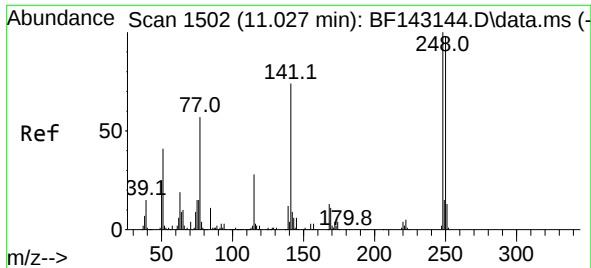
Ion Ratio Lower Upper

198 100

51 170.8 37.2 77.2#

105 695.3 24.8 64.8#

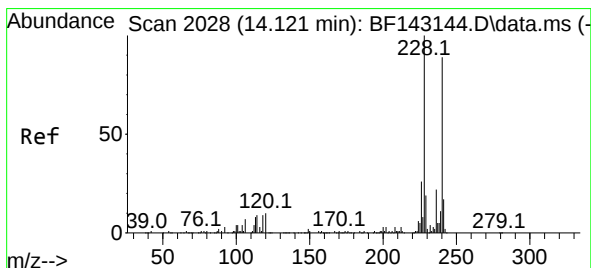
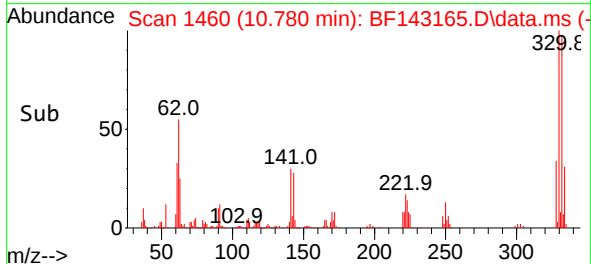
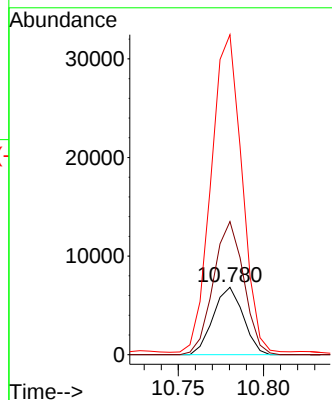
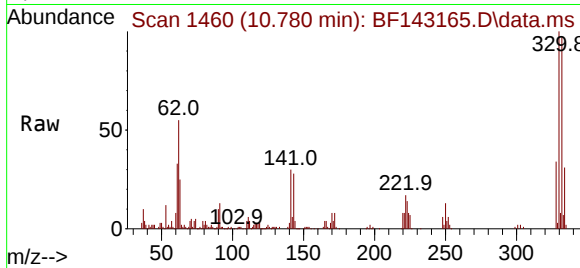




#67  
4-Bromophenyl-phenylether  
Concen: 2.673 ng  
RT: 10.780 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

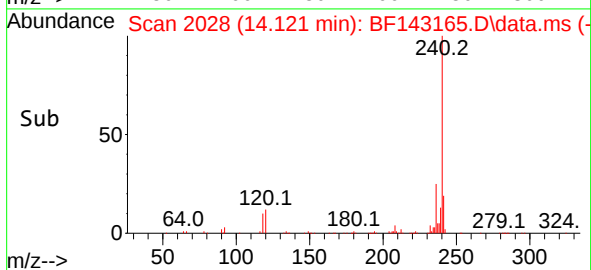
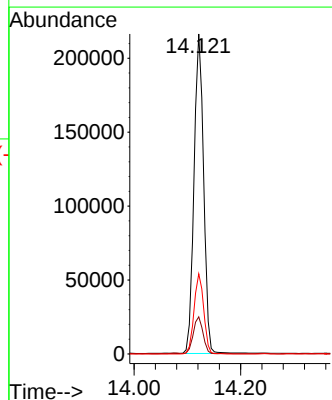
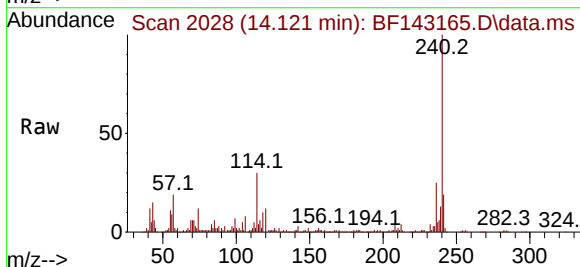
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

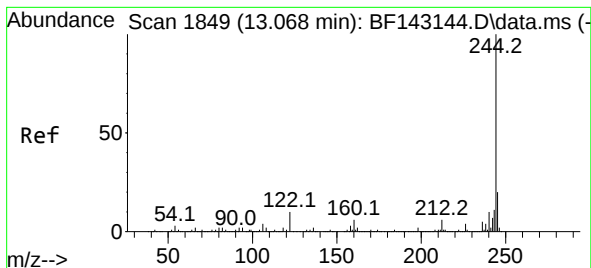
Tgt Ion:248 Resp: 8368  
Ion Ratio Lower Upper  
248 100  
250 197.6 78.3 117.5#  
141 474.8 59.2 88.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.121 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: BF143165.D  
Acq: 18 Jul 2025 14:25

Tgt Ion:240 Resp: 270242  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.4 14.2  
236 25.0 20.2 30.4





#79

Terphenyl-d14

Concen: 57.808 ng

RT: 13.068 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA\_F

ClientSampleId :

EFF-WW

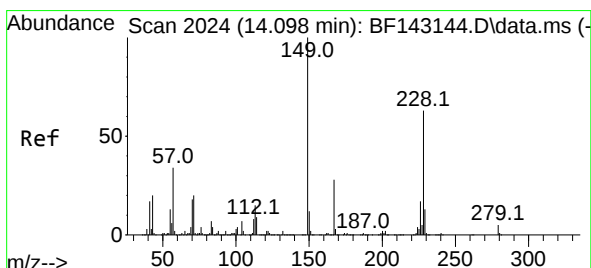
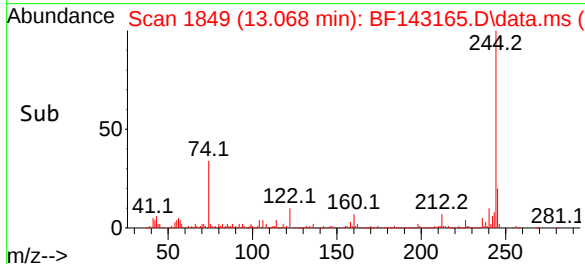
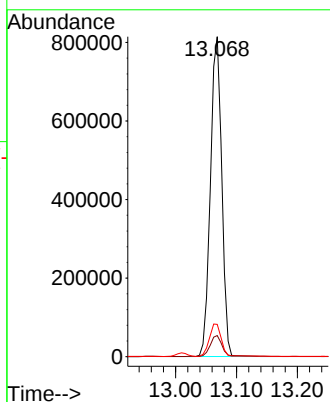
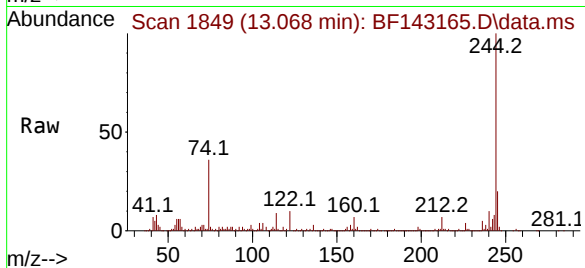
Tgt Ion:244 Resp: 1049796

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.1 8.2 12.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.607 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

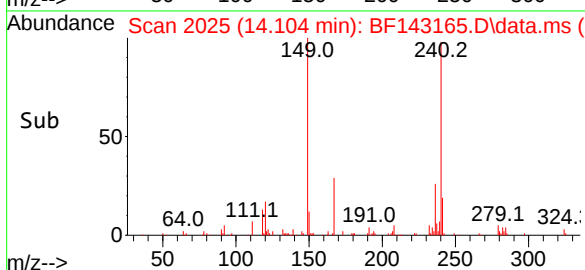
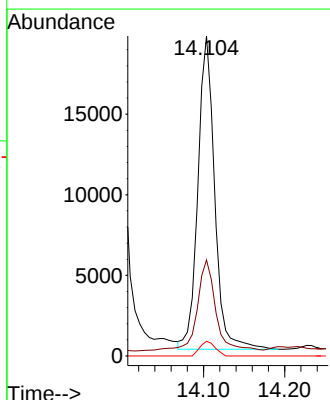
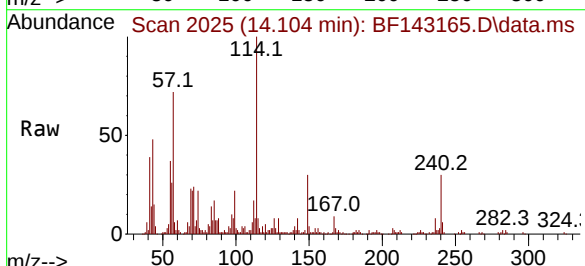
Tgt Ion:149 Resp: 27871

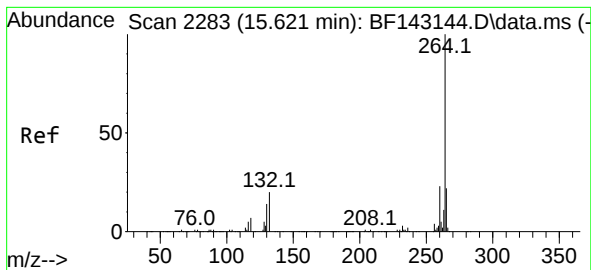
Ion Ratio Lower Upper

149 100

167 30.0 22.3 33.5

279 4.6 3.6 5.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.621 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF143165.D  
 Acq: 18 Jul 2025 14:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Tgt Ion:264 Resp: 282695  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.5 27.7  
 265 21.6 17.4 26.2

