

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030525\  
 Data File : BF141841.D  
 Acq On : 05 Mar 2025 13:53  
 Operator : RC/JU  
 Sample : Q1488-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-104-SB02

Quant Time: Mar 05 15:07:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

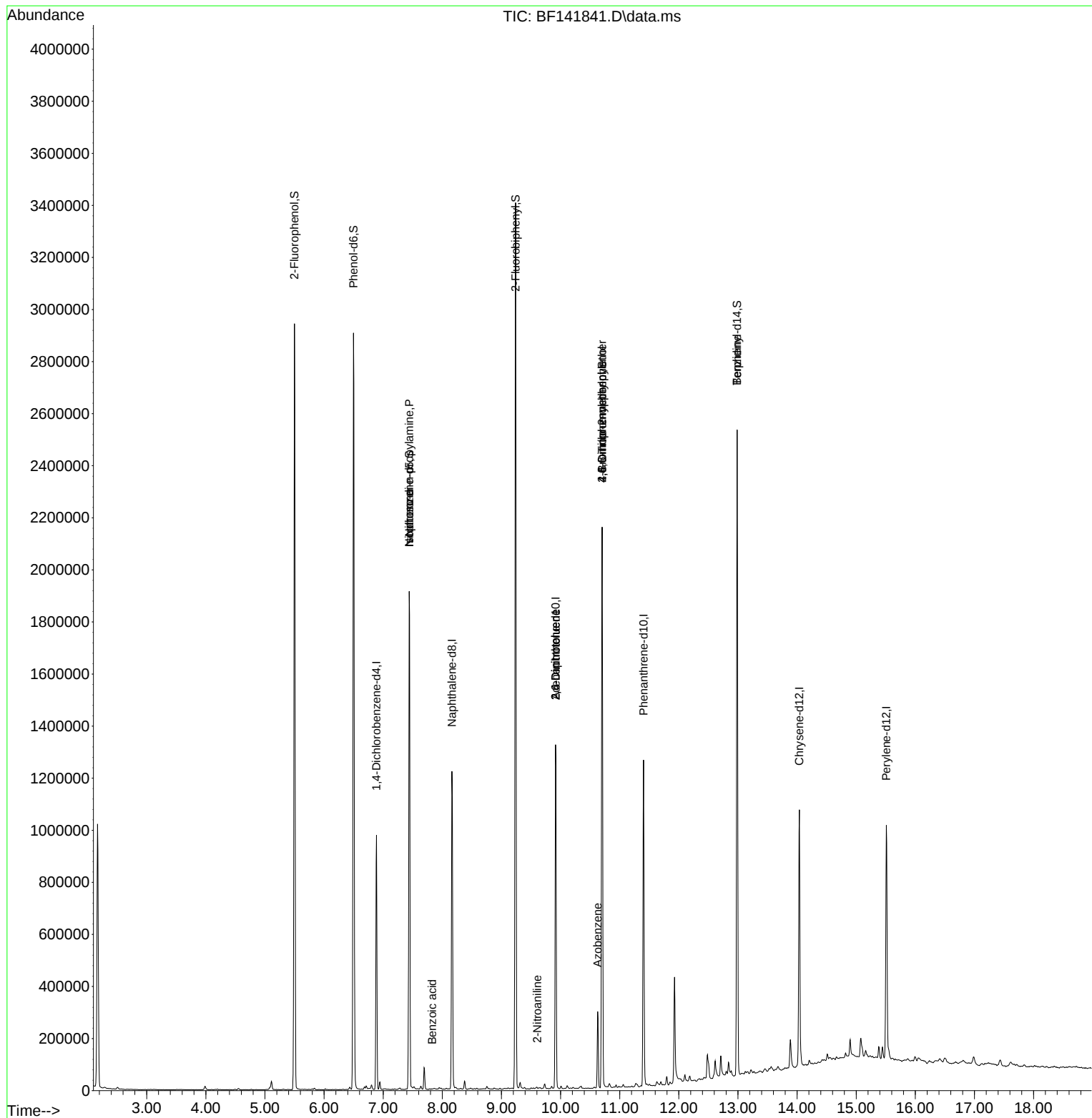
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 200259   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 760393   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 389790   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 614563   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 462576   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.509 | 264  | 512973   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1091570  | 87.048 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1376053  | 84.308 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 849034   | 71.371 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 336547   | 91.967 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1437189  | 59.120 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1168427  | 40.867 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 114957   | 10.714 | ng    | # 80     |
| 25) Isophorone                | 7.439  | 82   | 846383   | 33.118 | ng    | # 66     |
| 32) Benzoic acid              | 7.828  | 122  | 122      | 7.704  | ng    | # 85     |
| 48) 2-Nitroaniline            | 9.604  | 65   | 340      | 4.391  | ng    | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 50583    | 12.361 | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 50583    | 11.209 | ng    | # 20     |
| 63) Azobenzene                | 10.627 | 77   | 74624    | 2.708  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.704 | 198  | 874      | 8.377  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 23093    | 3.217  | ng    | # 1      |
| 77) Benzidine                 | 12.986 | 184  | 15830    | 2.719  | ng    | # 96     |
| -----                         |        |      |          |        |       |          |

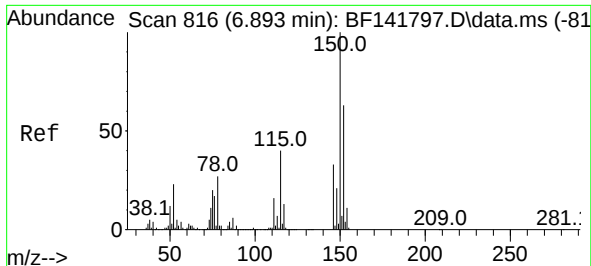
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030525\  
Data File : BF141841.D  
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Sample : Q1488-11  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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Quant Time: Mar 05 15:07:40 2025  
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QLast Update : Fri Feb 28 01:48:16 2025  
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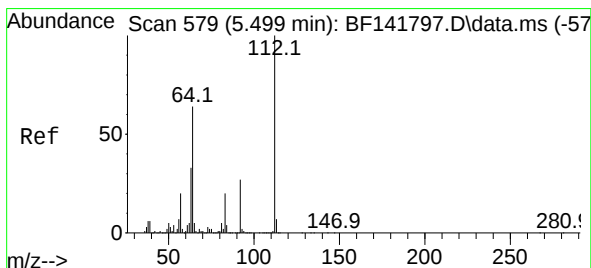
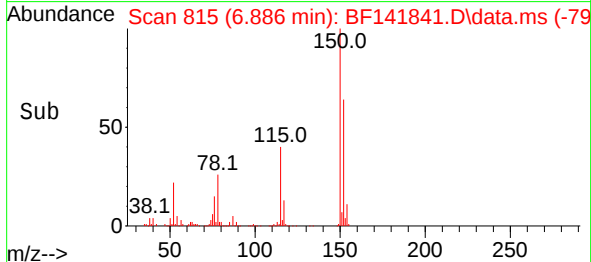
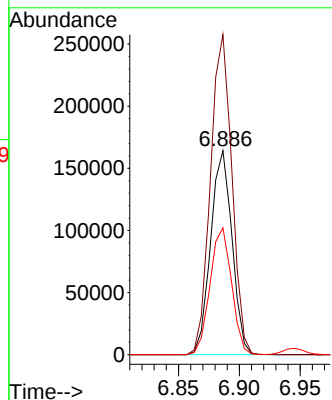
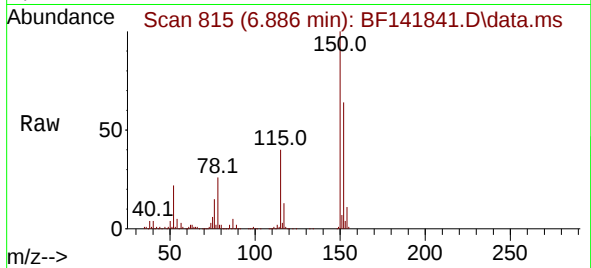




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.007 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

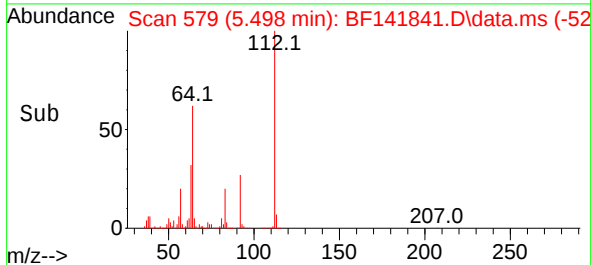
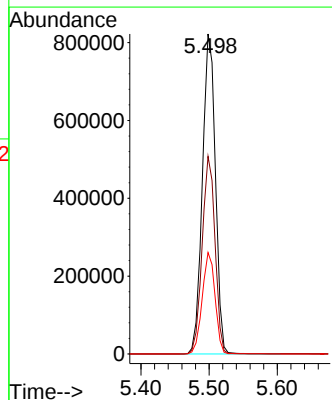
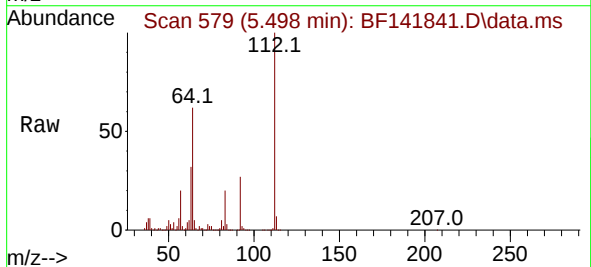
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-104-SB02

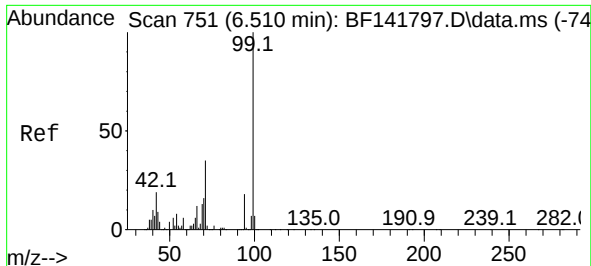
Tgt Ion:152 Resp: 200259  
Ion Ratio Lower Upper  
152 100  
150 156.9 127.5 191.3  
115 62.2 51.4 77.2



#5  
2-Fluorophenol  
Concen: 87.048 ng  
RT: 5.498 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

Tgt Ion:112 Resp: 1091570  
Ion Ratio Lower Upper  
112 100  
64 61.8 51.3 76.9  
63 31.7 26.2 39.4

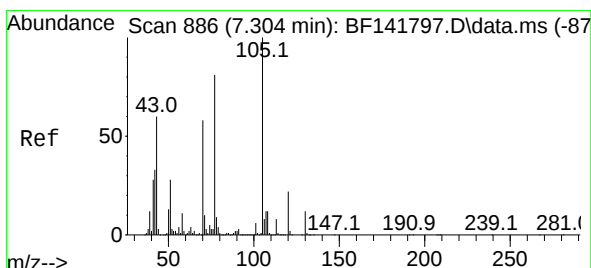
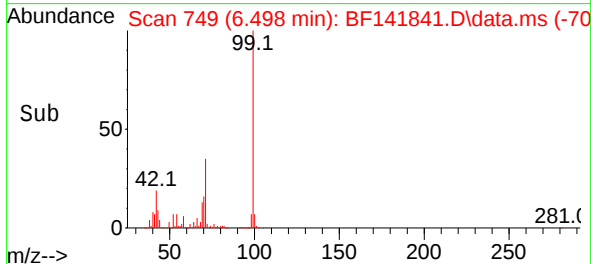
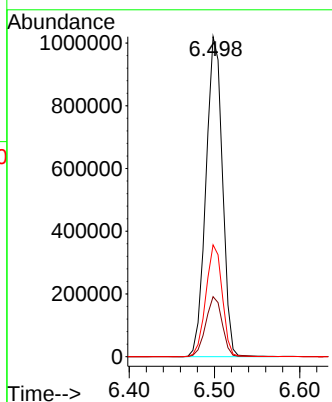
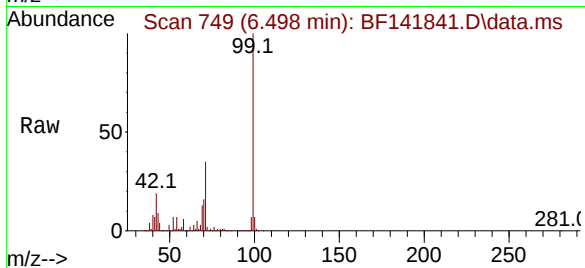




#7  
Phenol-d6  
Concen: 84.308 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

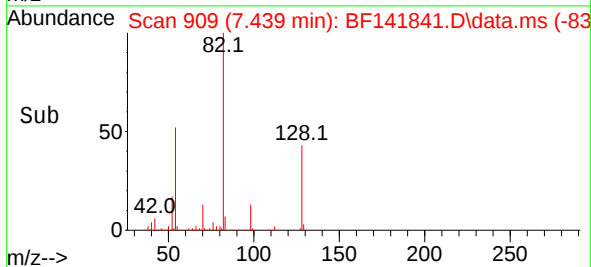
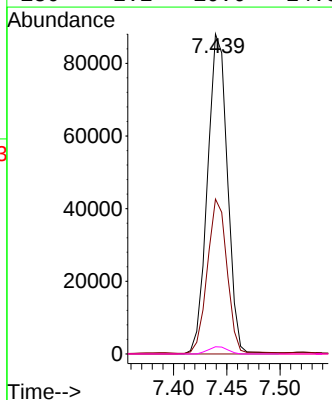
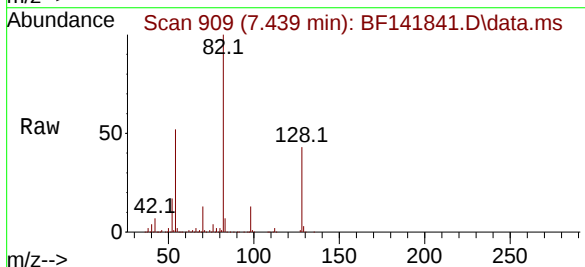
Instrument :  
BNA\_F  
ClientSampleId :  
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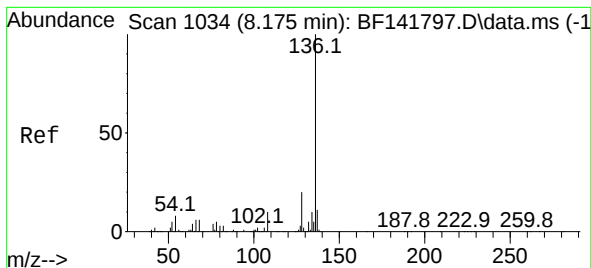
Tgt Ion: 99 Resp: 1376053  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.2 22.8  
71 34.9 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.714 ng  
RT: 7.439 min Scan# 909  
Delta R.T. 0.135 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

Tgt Ion: 70 Resp: 114957  
Ion Ratio Lower Upper  
70 100  
42 48.4 45.4 68.0  
101 0.0 7.8 11.8#  
130 2.2 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

Instrument :

BNA\_F

ClientSampleId :

ENV-104-SB02

Tgt Ion:136 Resp: 760393

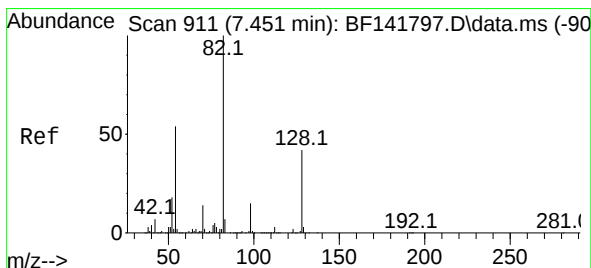
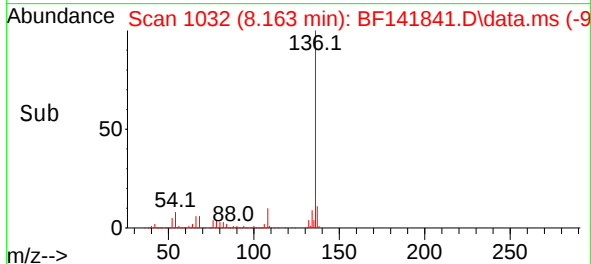
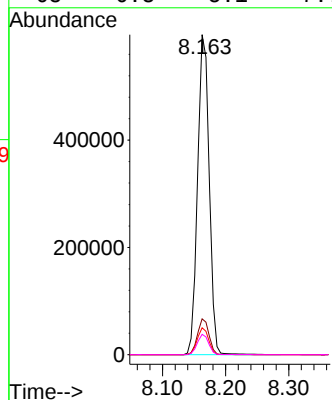
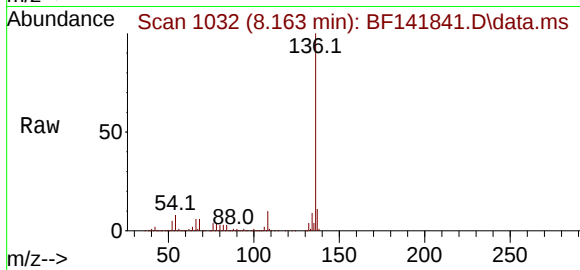
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 6.9 10.3

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 71.371 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

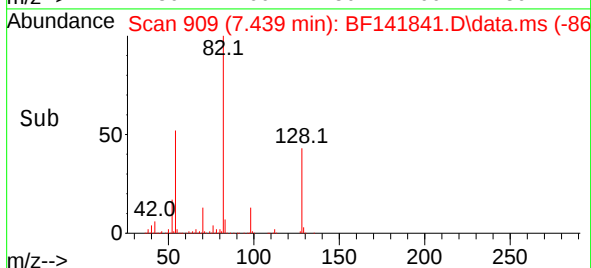
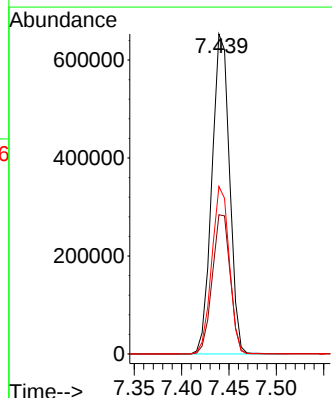
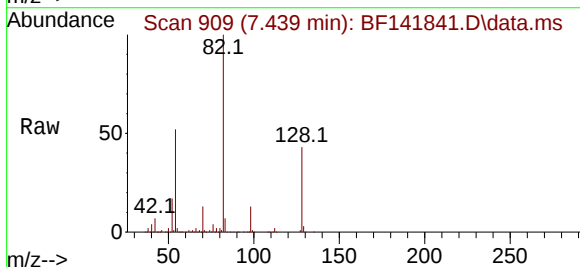
Tgt Ion: 82 Resp: 849034

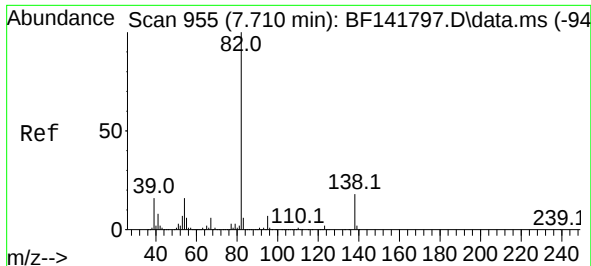
Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

54 52.4 42.7 64.1

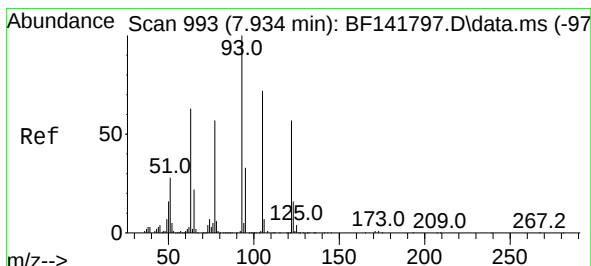
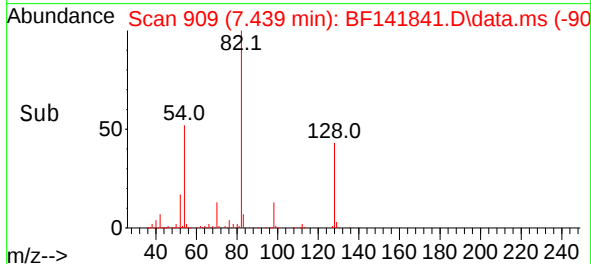
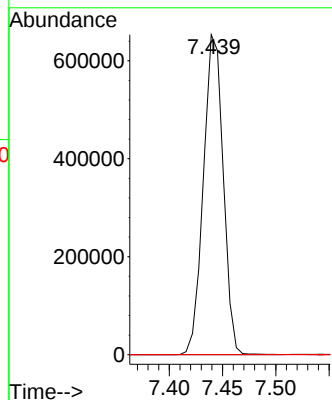
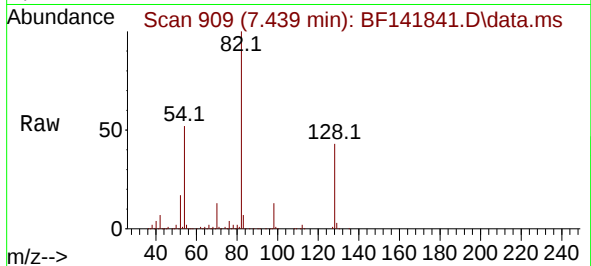




#25  
Isophorone  
Concen: 33.118 ng  
RT: 7.439 min Scan# 909  
Delta R.T. -0.271 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

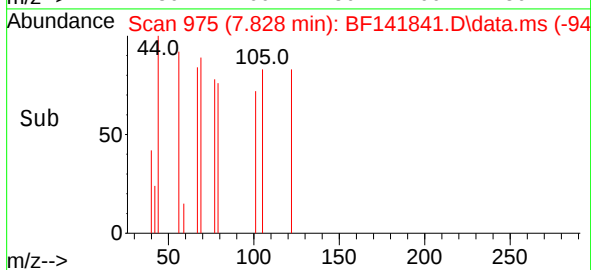
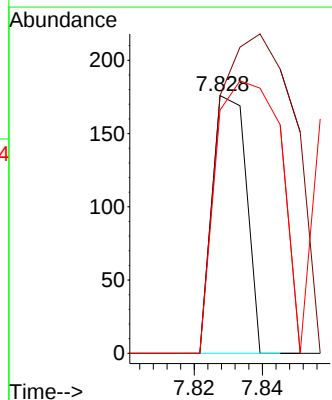
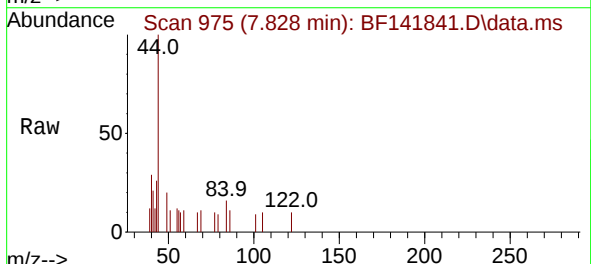
Instrument :  
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ENV-104-SB02

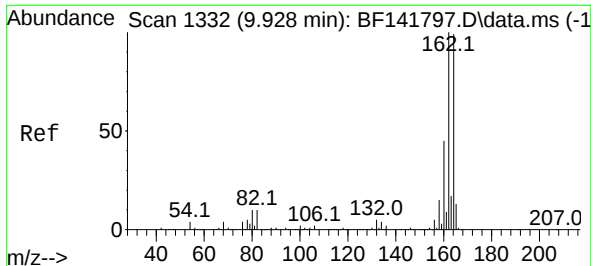
Tgt Ion: 82 Resp: 846383  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 14.0 21.0#



#32  
Benzoic acid  
Concen: 7.704 ng  
RT: 7.828 min Scan# 975  
Delta R.T. -0.106 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

Tgt Ion:122 Resp: 122  
Ion Ratio Lower Upper  
122 100  
105 100.0 105.8 145.8#  
77 94.3 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

Instrument :

BNA\_F

ClientSampleId :

ENV-104-SB02

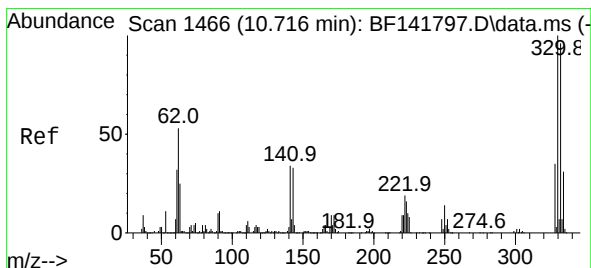
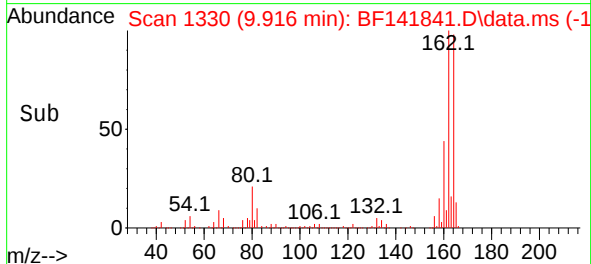
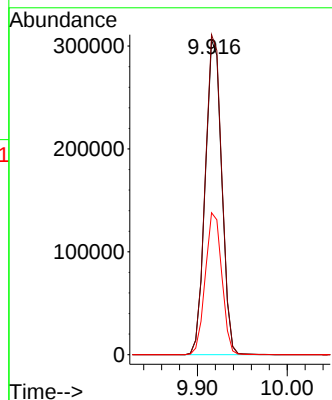
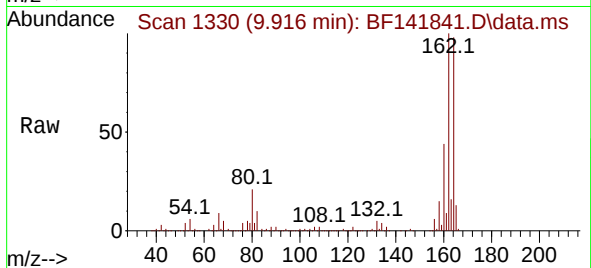
Tgt Ion:164 Resp: 389790

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

160 45.1 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 91.967 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

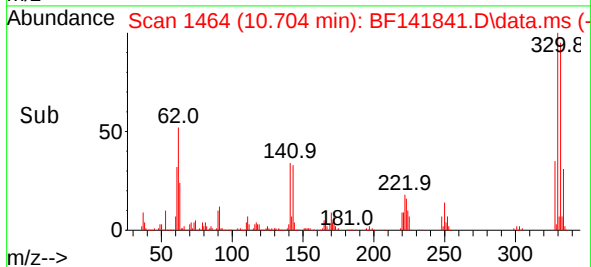
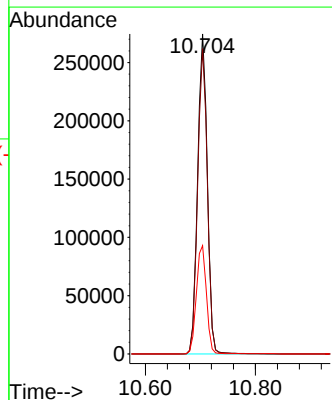
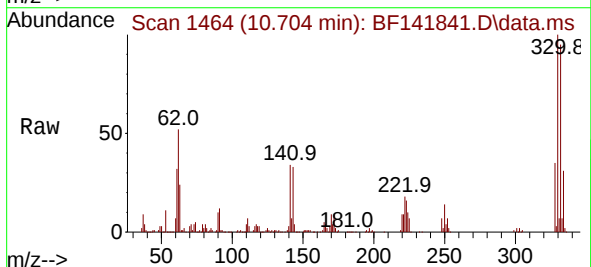
Tgt Ion:330 Resp: 336547

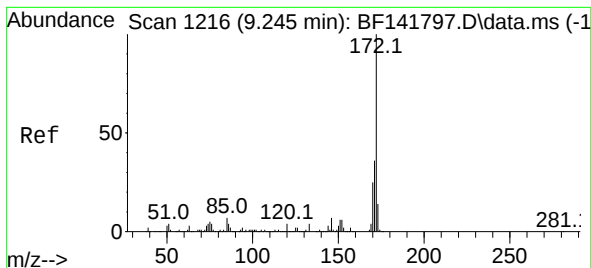
Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

141 35.1 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 59.120 ng

RT: 9.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

Instrument :

BNA\_F

ClientSampleId :

ENV-104-SB02

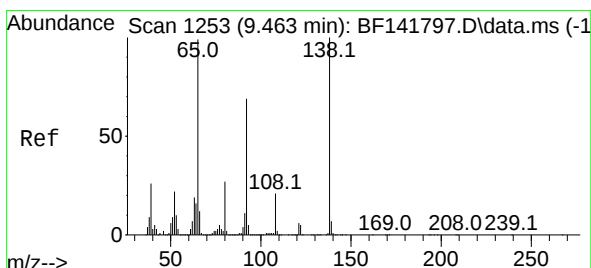
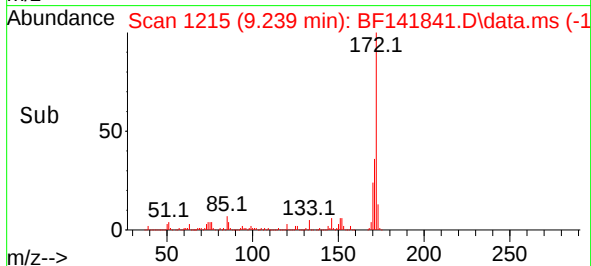
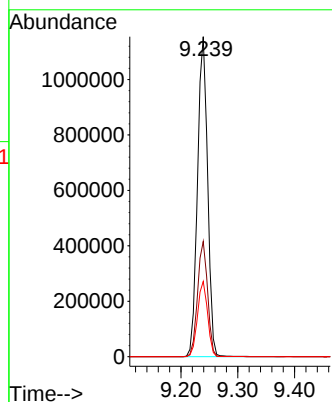
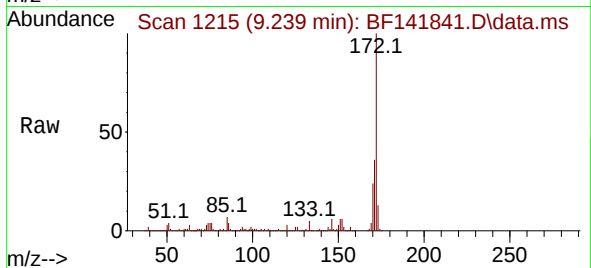
Tgt Ion:172 Resp: 1437189

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 23.5 19.7 29.5



#48

2-Nitroaniline

Concen: 4.391 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.141 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

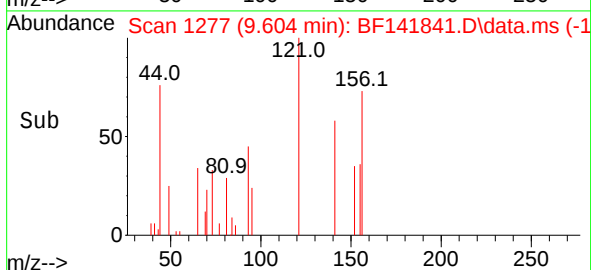
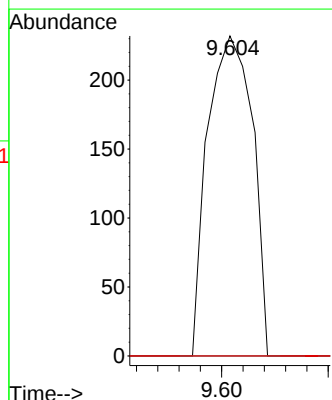
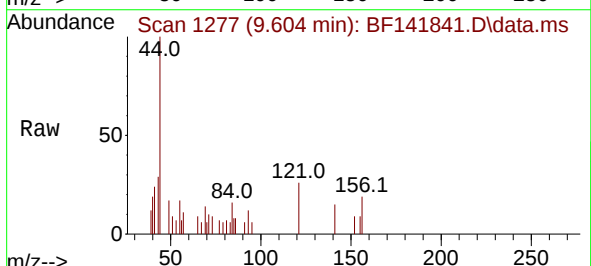
Tgt Ion: 65 Resp: 340

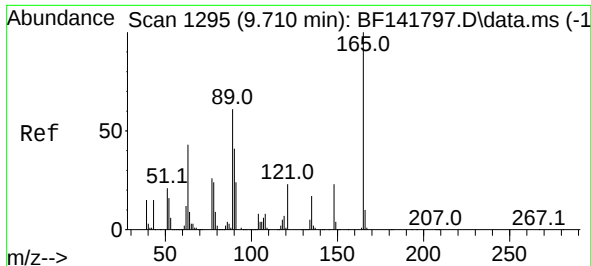
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#

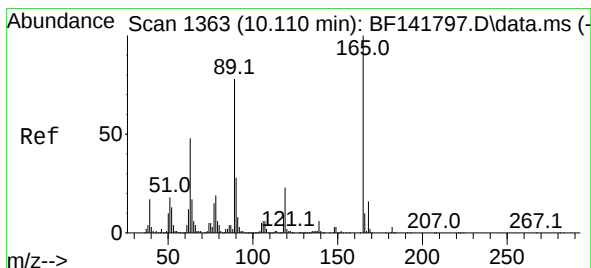
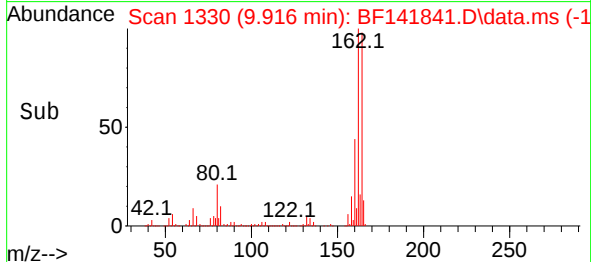
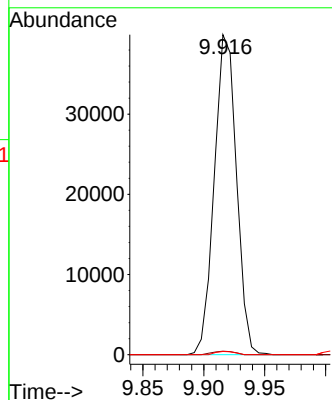
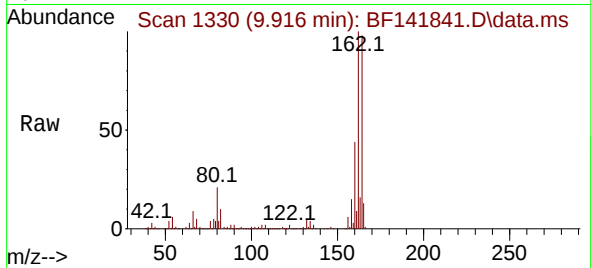




#51  
2,6-Dinitrotoluene  
Concen: 12.361 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. 0.206 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

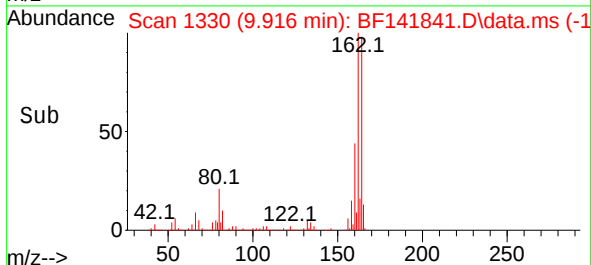
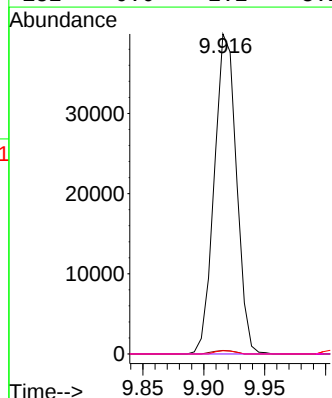
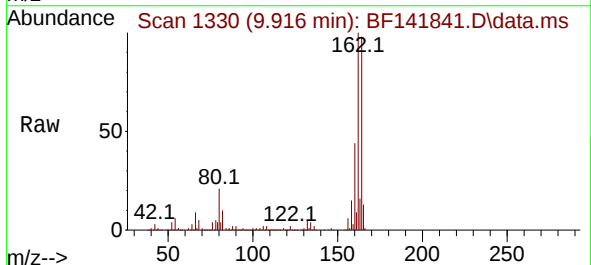
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-104-SB02

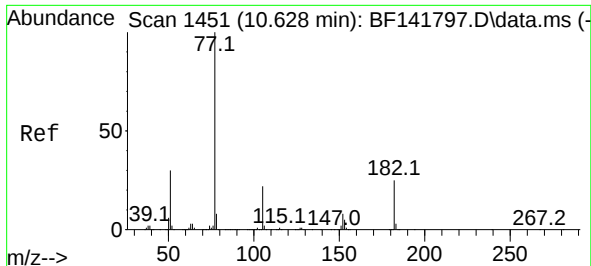
Tgt Ion:165 Resp: 50583  
Ion Ratio Lower Upper  
165 100  
63 1.1 49.5 74.3#  
89 1.0 49.0 73.4#



#57  
2,4-Dinitrotoluene  
Concen: 11.209 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.194 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

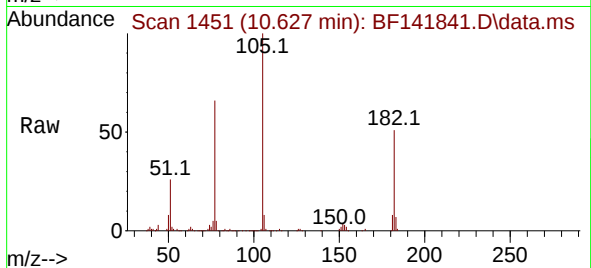
Tgt Ion:165 Resp: 50583  
Ion Ratio Lower Upper  
165 100  
63 1.1 38.8 58.2#  
89 1.0 62.6 94.0#  
182 0.0 2.2 3.2#



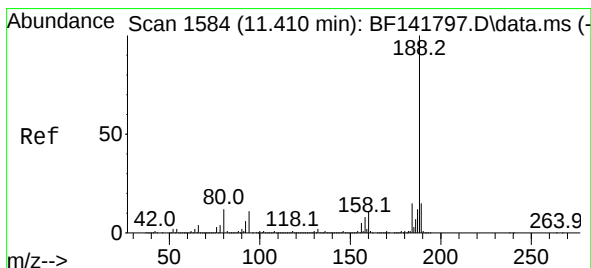
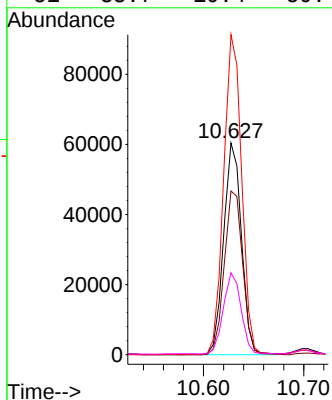
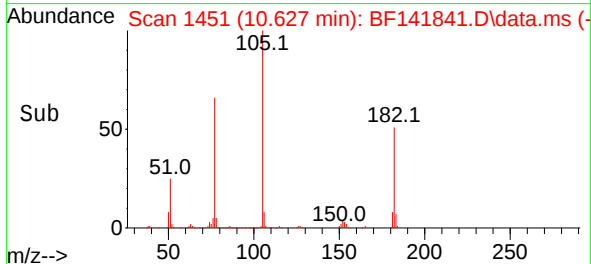


#63  
Azobenzene  
Concen: 2.708 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

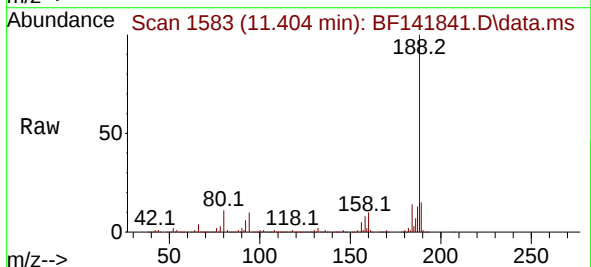
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-104-SB02



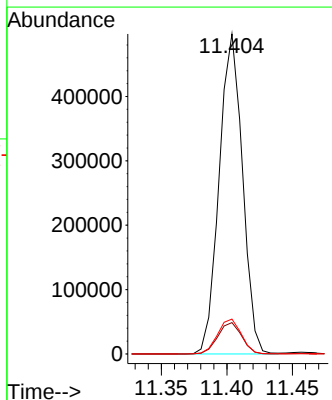
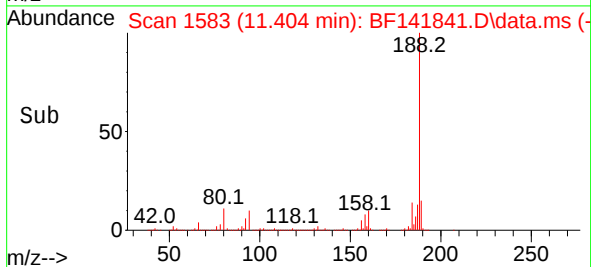
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 74624 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 77.3  | 4.2   | 44.2# |
| 105      | 151.1 | 1.5   | 41.5# |
| 51       | 38.7  | 10.4  | 50.4  |

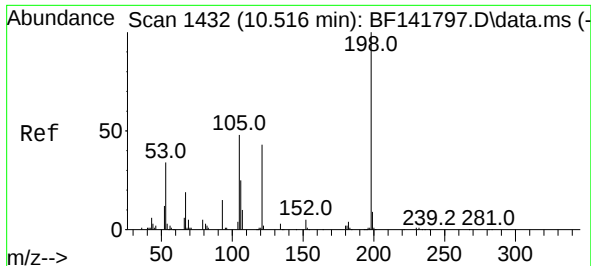


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 614563 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.8   | 8.9   | 13.3   |
| 80       | 10.9  | 9.7   | 14.5   |





#65

4,6-Dinitro-2-methylphenol

Concen: 8.377 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

Instrument :

BNA\_F

ClientSampleId :

ENV-104-SB02

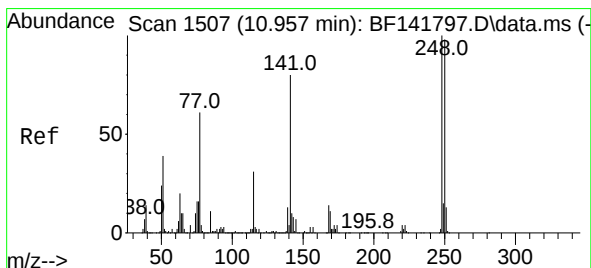
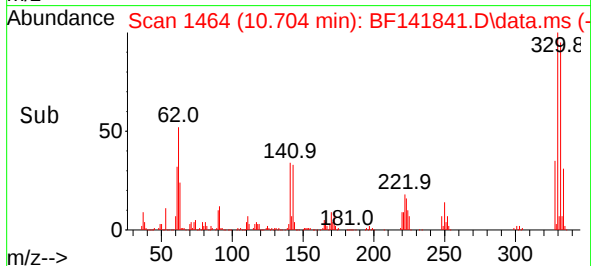
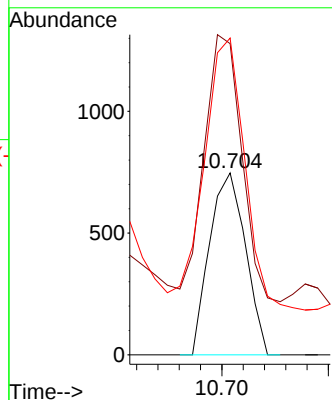
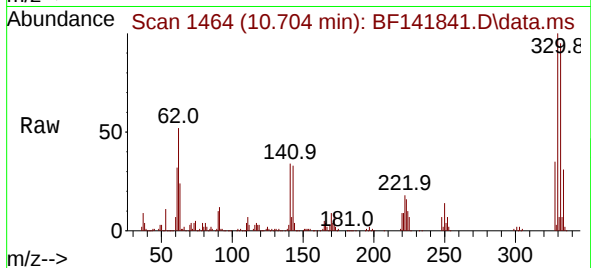
Tgt Ion:198 Resp: 874

Ion Ratio Lower Upper

198 100

51 171.1 32.1 72.1#

105 174.2 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 3.217 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF141841.D

Acq: 05 Mar 2025 13:53

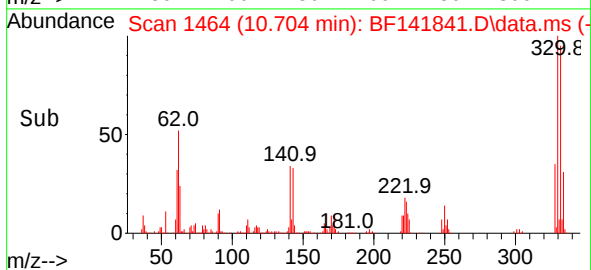
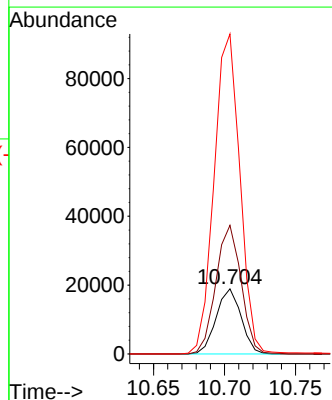
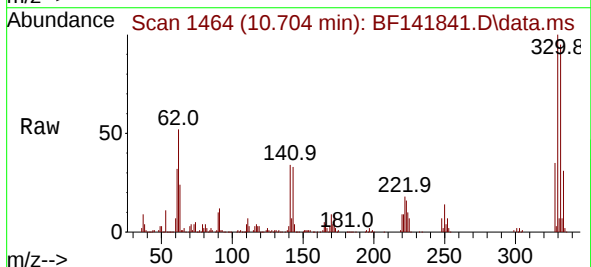
Tgt Ion:248 Resp: 23093

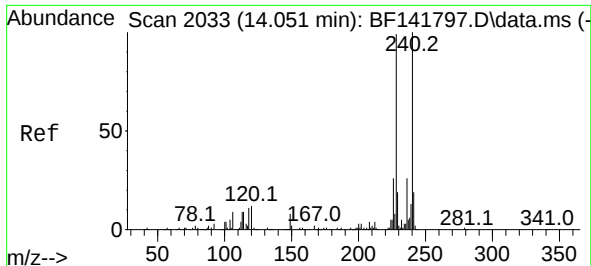
Ion Ratio Lower Upper

248 100

250 197.6 78.1 117.1#

141 491.3 64.3 96.5#

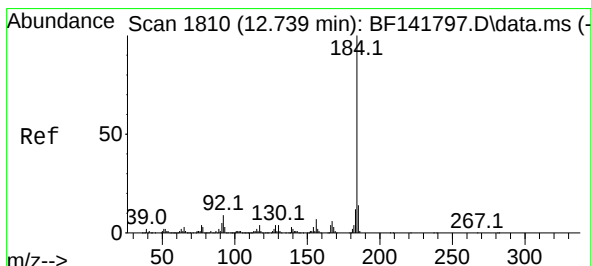
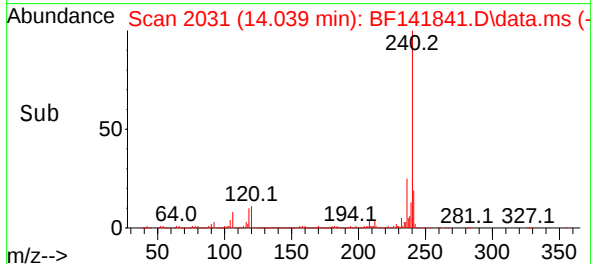
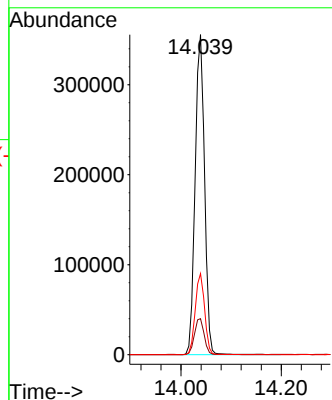
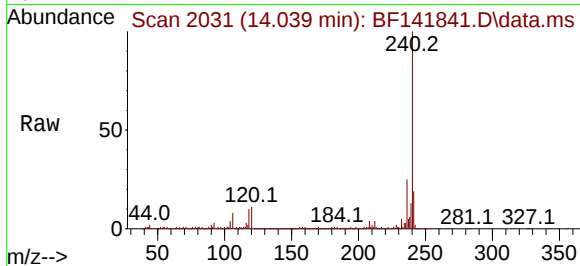




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2033  
Delta R.T. -0.012 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

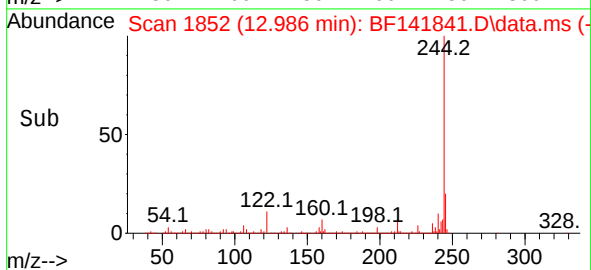
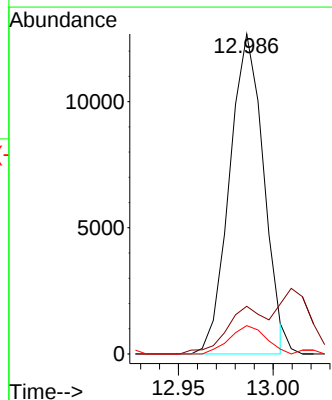
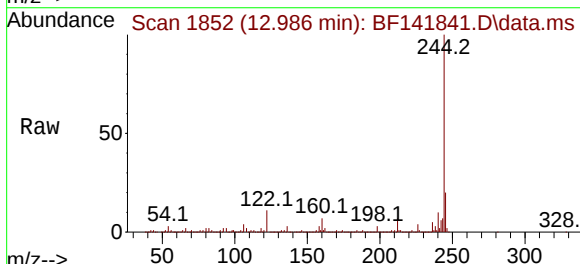
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-104-SB02

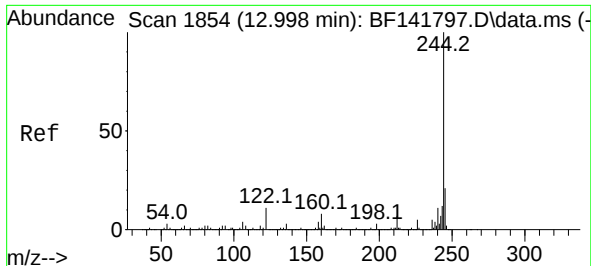
Tgt Ion:240 Resp: 462576  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.7 14.5  
236 25.3 21.0 31.4



#77  
Benzidine  
Concen: 2.719 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. 0.247 min  
Lab File: BF141841.D  
Acq: 05 Mar 2025 13:53

Tgt Ion:184 Resp: 15830  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.6 17.4  
183 8.9 9.4 14.0#

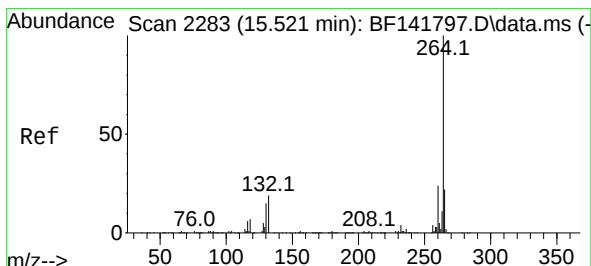
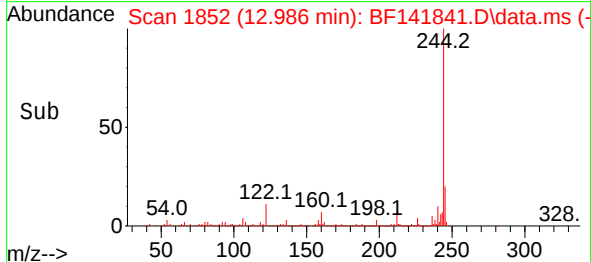
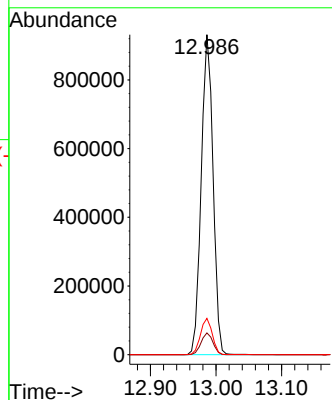
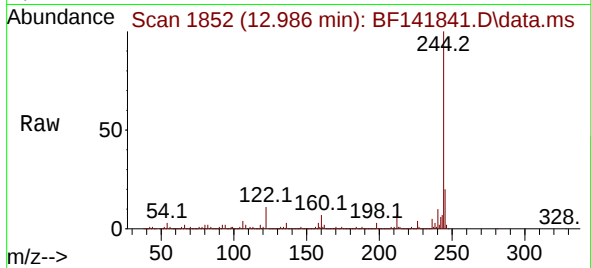




#79  
 Terphenyl-d14  
 Concen: 40.867 ng  
 RT: 12.986 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF141841.D  
 Acq: 05 Mar 2025 13:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-104-SB02

Tgt Ion:244 Resp: 1168427  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 11.3 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.509 min Scan# 2281  
 Delta R.T. -0.012 min  
 Lab File: BF141841.D  
 Acq: 05 Mar 2025 13:53

Tgt Ion:264 Resp: 512973  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.9 28.3  
 265 22.2 17.4 26.0

