

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072225\  
 Data File : BF143202.D  
 Acq On : 22 Jul 2025 21:48  
 Operator : RC/JU  
 Sample : Q2649-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

Quant Time: Jul 23 04:54:14 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

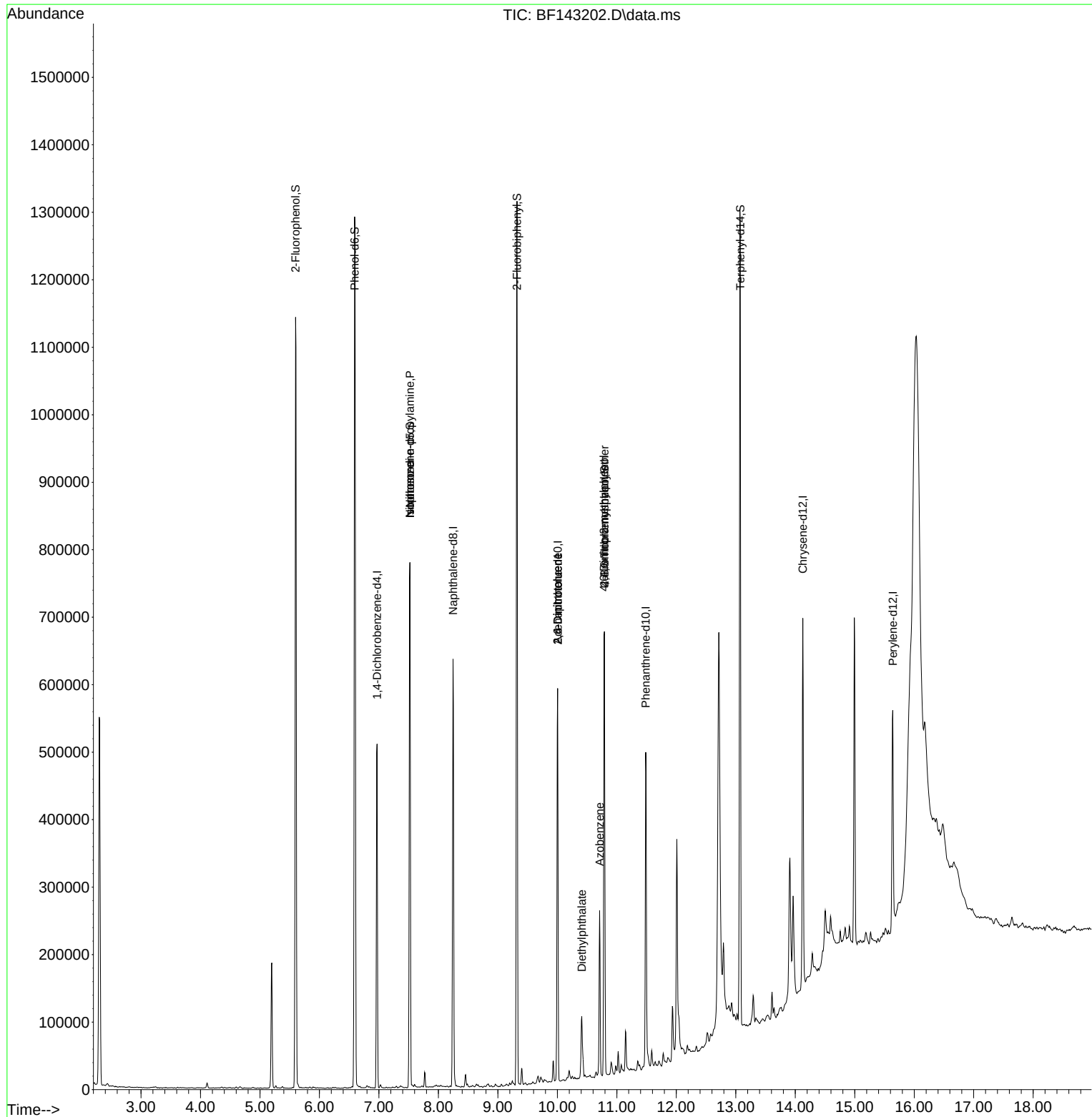
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.969  | 152  | 106492   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 377912   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 164816   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.486 | 188  | 237089   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.127 | 240  | 252228   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.639 | 264  | 192583   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.598  | 112  | 408716   | 60.735 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.592  | 99   | 590202   | 69.679 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 328564   | 43.338 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.792 | 330  | 109488   | 64.305 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.322  | 172  | 571330   | 47.408 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.074 | 244  | 590113   | 34.816 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.522  | 70   | 43927    | 8.083  | ng    | # 79     |
| 25) Isophorone                | 7.522  | 82   | 326965   | 24.430 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 10.004 | 165  | 21875    | 10.009 | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 21875    | 7.978  | ng    | # 21     |
| 60) Diethylphthalate          | 10.410 | 149  | 58563    | 5.515  | ng    | # 99     |
| 63) Azobenzene                | 10.710 | 77   | 57981    | 5.239  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.786 | 198  | 314      | 5.637  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 7133     | 2.525  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

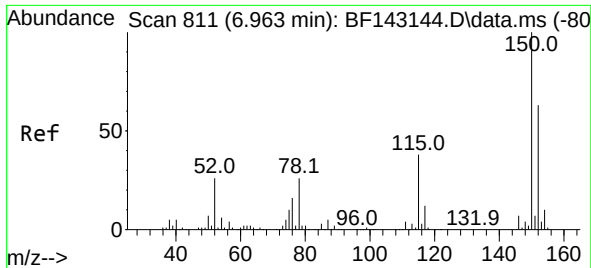
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072225\  
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Sample : Q2649-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
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WC-4

Quant Time: Jul 23 04:54:14 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  
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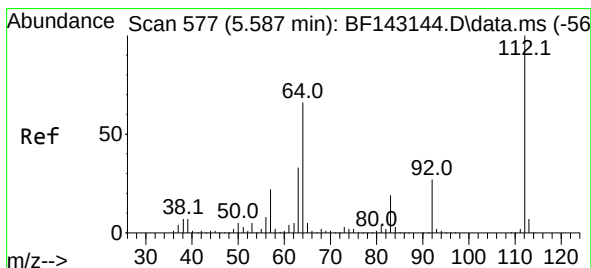
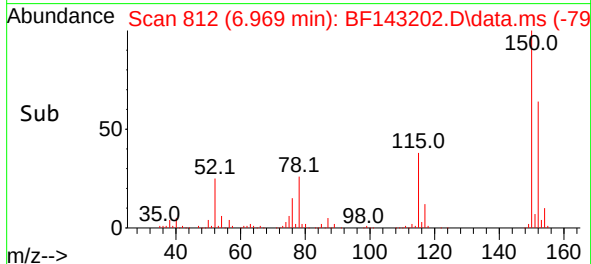
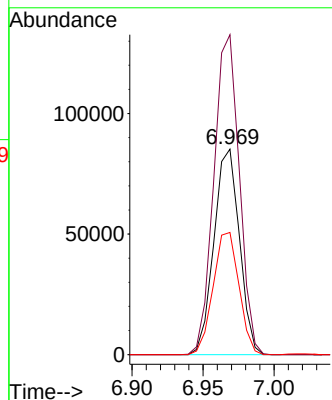
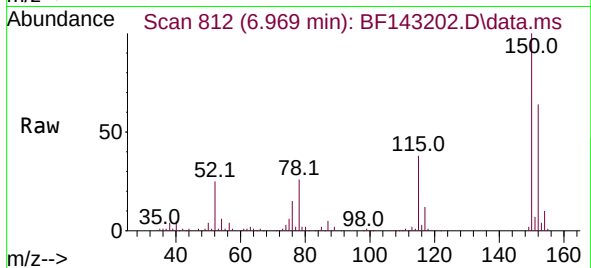




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.969 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

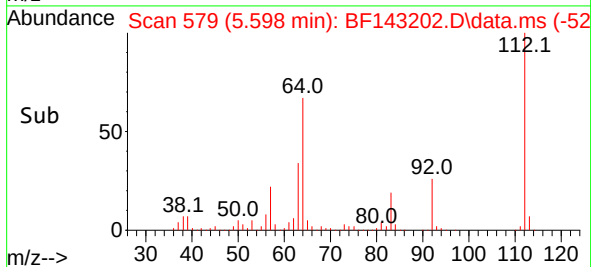
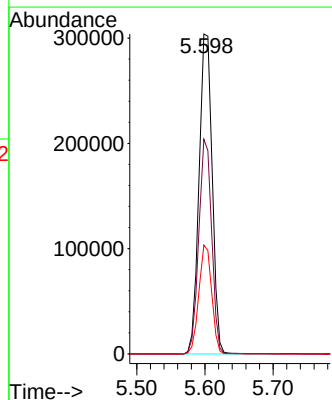
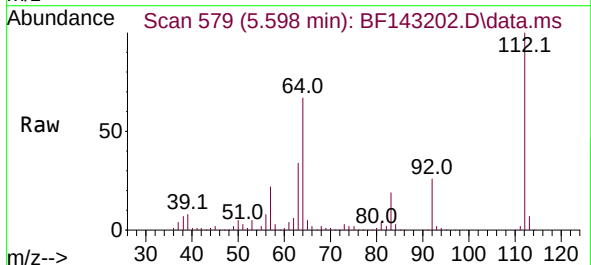
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

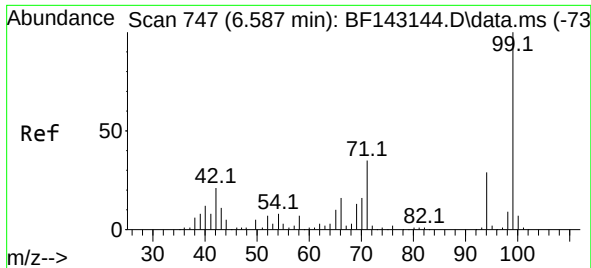
Tgt Ion:152 Resp: 106492  
Ion Ratio Lower Upper  
152 100  
150 155.7 128.2 192.4  
115 59.5 47.9 71.9



#5  
2-Fluorophenol  
Concen: 60.735 ng  
RT: 5.598 min Scan# 579  
Delta R.T. 0.012 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

Tgt Ion:112 Resp: 408716  
Ion Ratio Lower Upper  
112 100  
64 67.1 53.1 79.7  
63 34.0 26.6 40.0

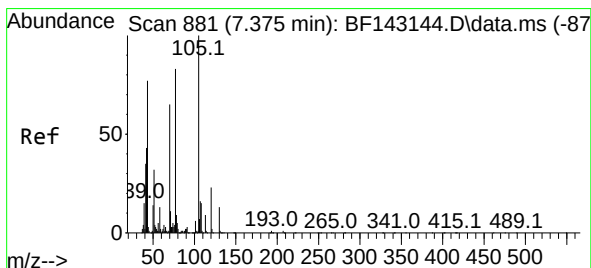
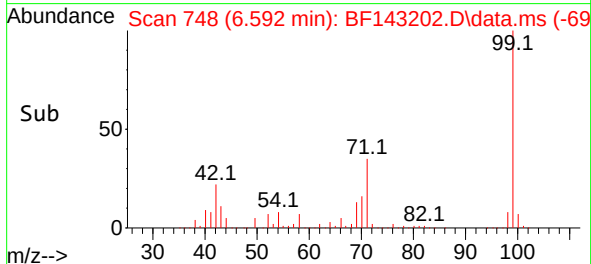
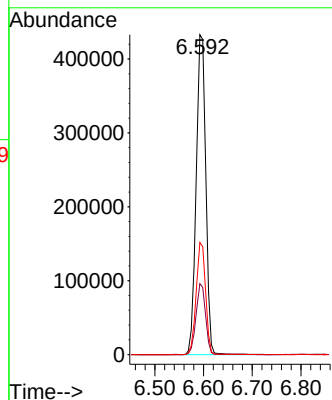
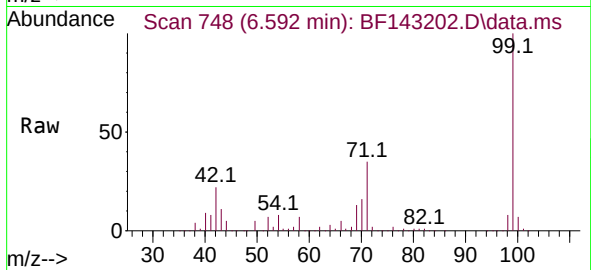




#7  
Phenol-d6  
Concen: 69.679 ng  
RT: 6.592 min Scan# 74  
Delta R.T. 0.006 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

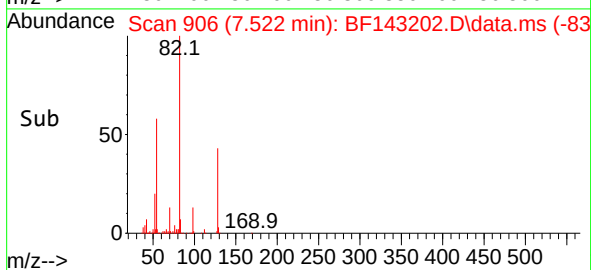
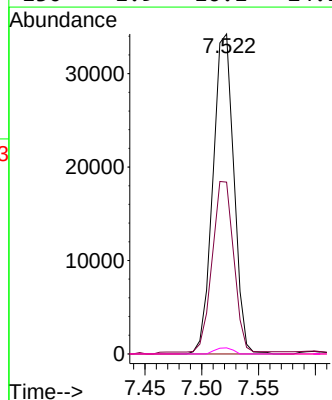
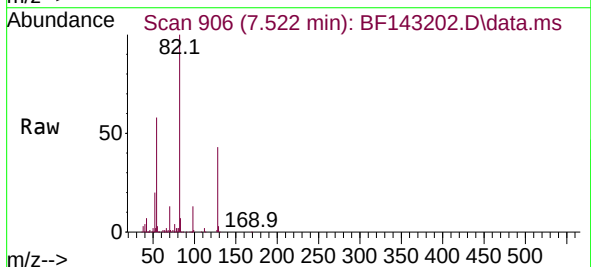
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

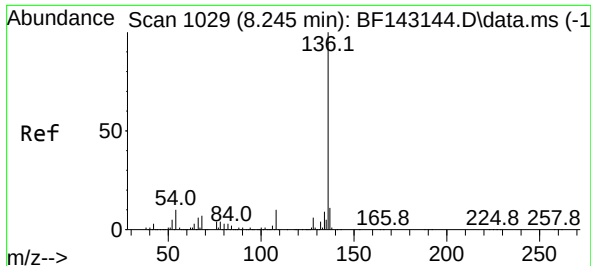
Tgt Ion: 99 Resp: 590202  
Ion Ratio Lower Upper  
99 100  
42 22.2 17.0 25.6  
71 35.0 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.083 ng  
RT: 7.522 min Scan# 906  
Delta R.T. 0.147 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

Tgt Ion: 70 Resp: 43927  
Ion Ratio Lower Upper  
70 100  
42 53.7 52.5 78.7  
101 0.0 7.6 11.4#  
130 1.9 16.1 24.1#

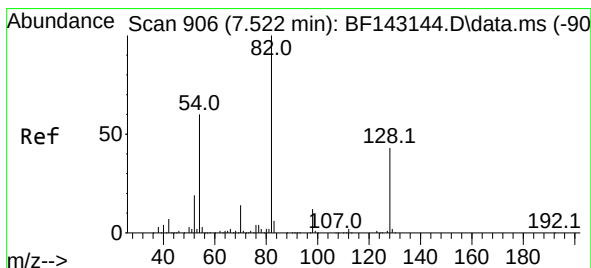
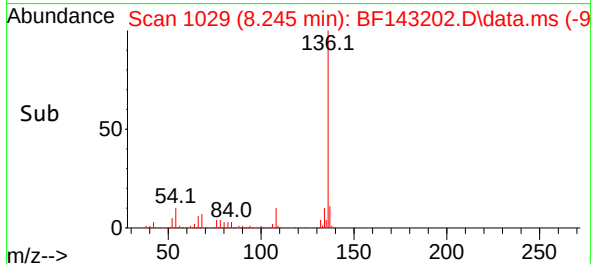
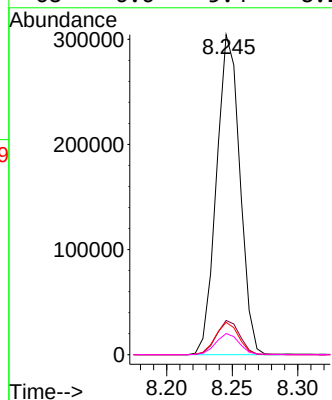
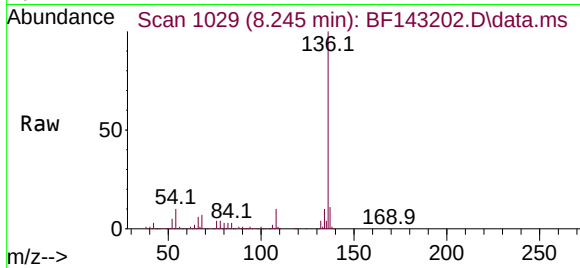




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

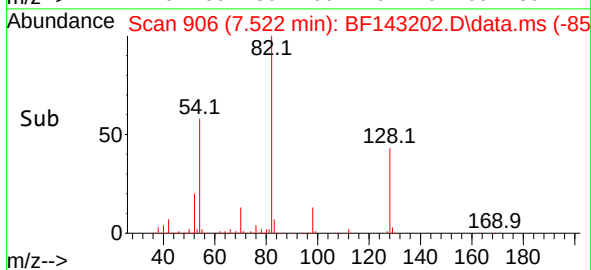
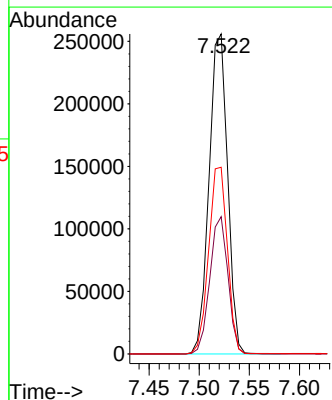
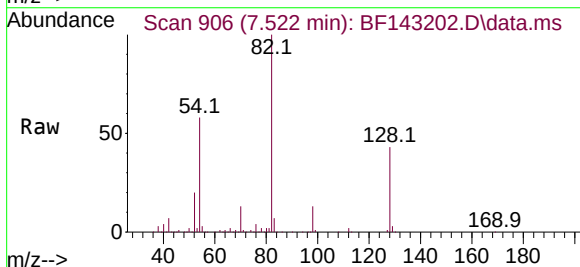
Instrument :  
BNA\_F  
ClientSampleId :  
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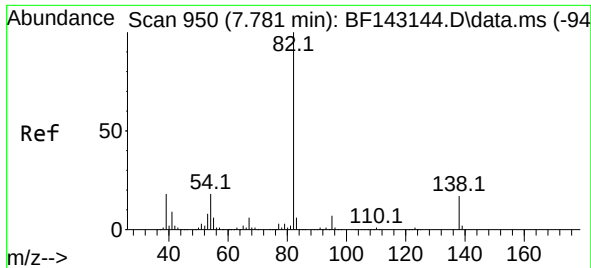
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 377912 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 13.0   |
| 54       | 10.1  | 8.2   | 12.2   |
| 68       | 6.6   | 5.4   | 8.2    |



#23  
Nitrobenzene-d5  
Concen: 43.338 ng  
RT: 7.522 min Scan# 906  
Delta R.T. 0.000 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 328564 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.9  | 33.6  | 50.4   |
| 54       | 58.4  | 47.1  | 70.7   |

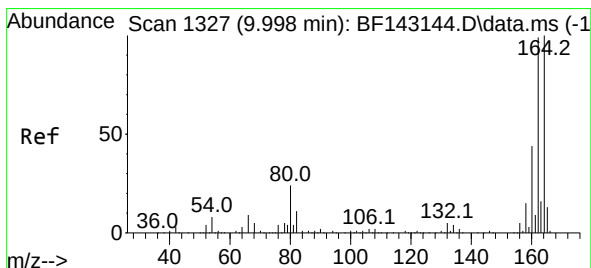
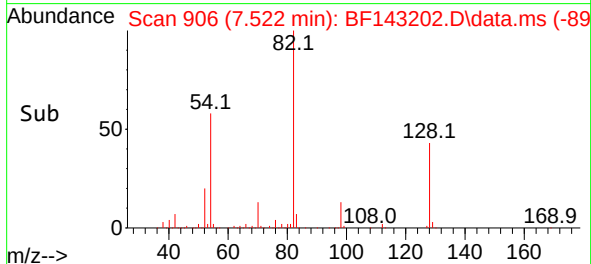
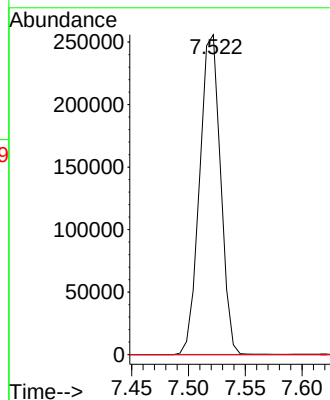
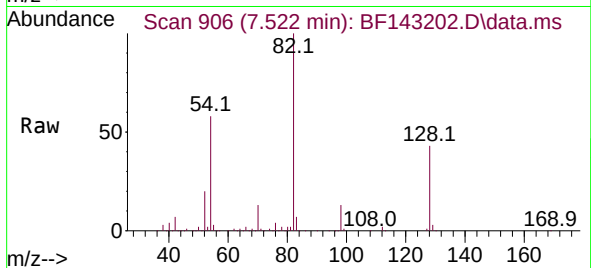




#25  
Isophorone  
Concen: 24.430 ng  
RT: 7.522 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

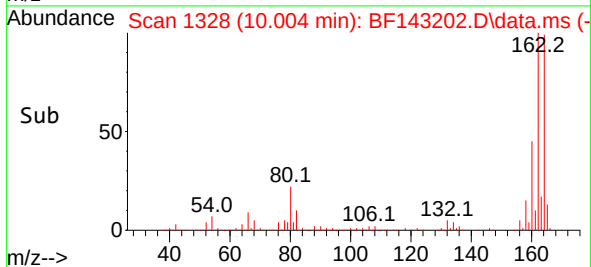
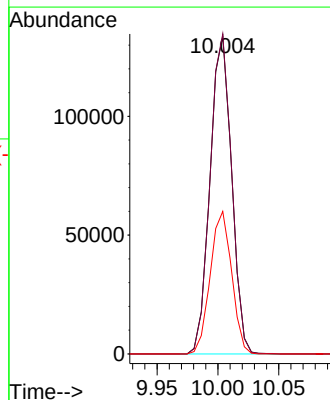
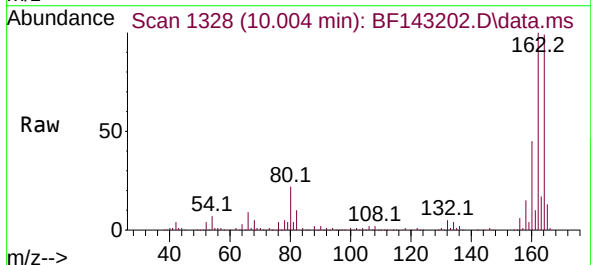
Instrument :  
BNA\_F  
ClientSampleId :  
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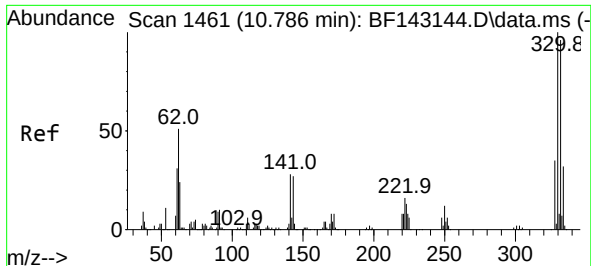
Tgt Ion: 82 Resp: 326965  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.8 20.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.004 min Scan# 1328  
Delta R.T. 0.006 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

Tgt Ion:164 Resp: 164816  
Ion Ratio Lower Upper  
164 100  
162 100.6 79.0 118.6  
160 44.8 35.1 52.7

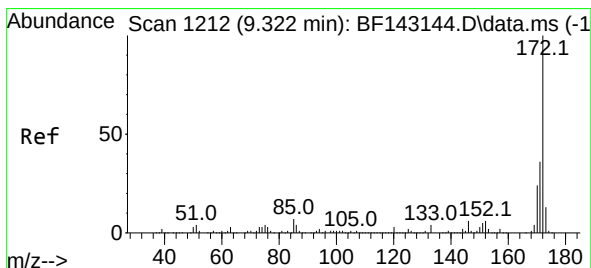
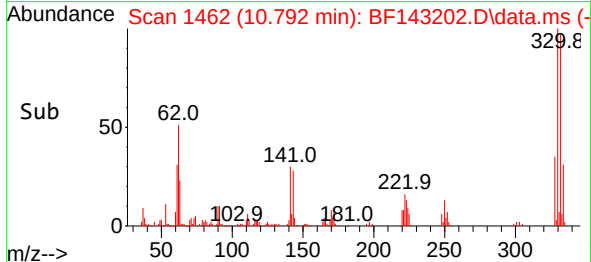
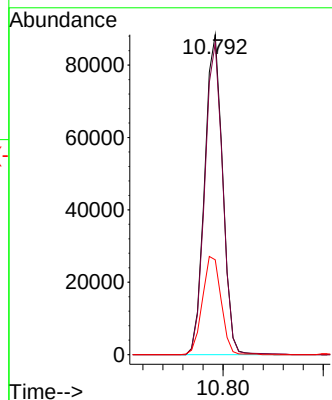
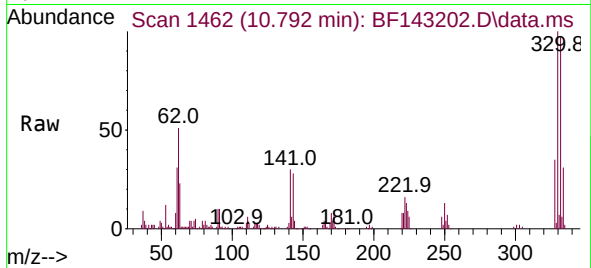




#42  
2,4,6-Tribromophenol  
Concen: 64.305 ng  
RT: 10.792 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

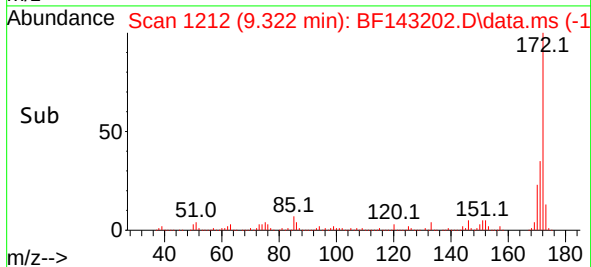
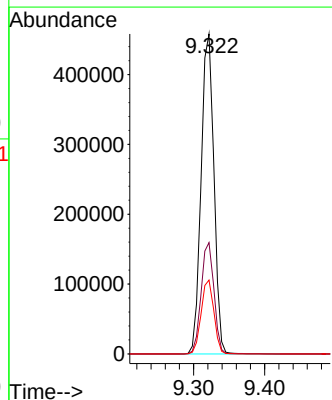
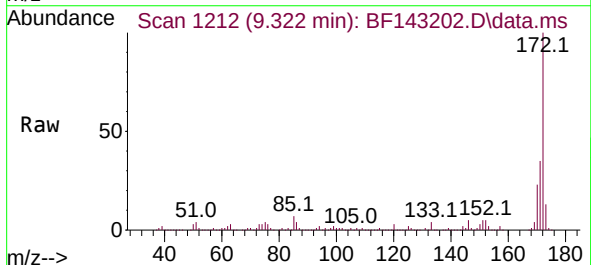
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

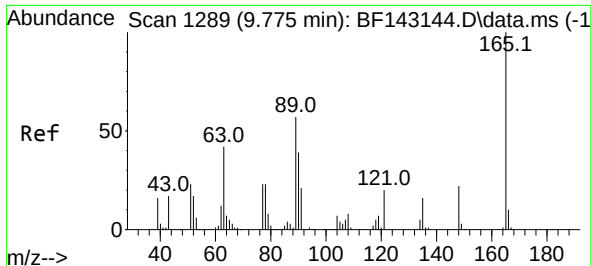
Tgt Ion:330 Resp: 109488  
Ion Ratio Lower Upper  
330 100  
332 97.2 76.7 115.1  
141 31.9 23.3 34.9



#45  
2-Fluorobiphenyl  
Concen: 47.408 ng  
RT: 9.322 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

Tgt Ion:172 Resp: 571330  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.6 42.8  
170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 10.009 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.229 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

Instrument :

BNA\_F

ClientSampleId :

WC-4

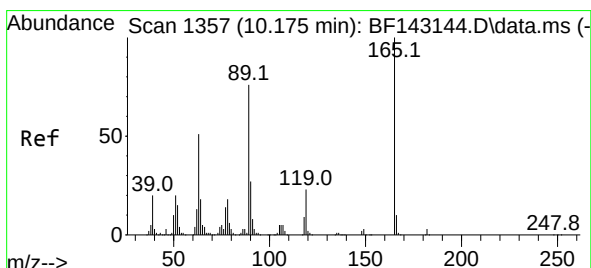
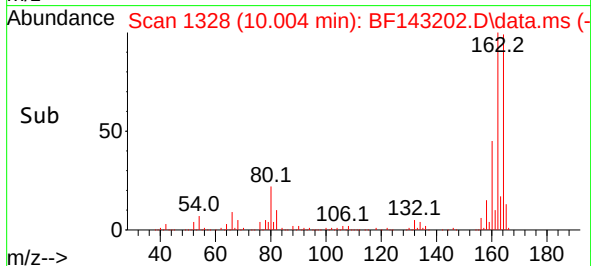
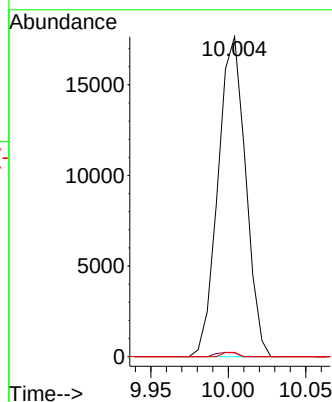
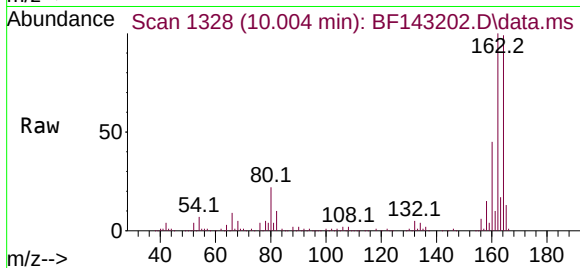
Tgt Ion:165 Resp: 21875

Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

89 1.3 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.978 ng

RT: 10.004 min Scan# 1328

Delta R.T. -0.171 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

Tgt Ion:165 Resp: 21875

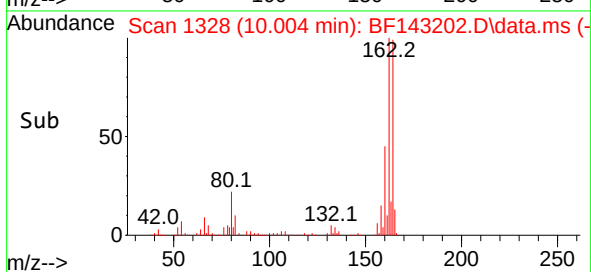
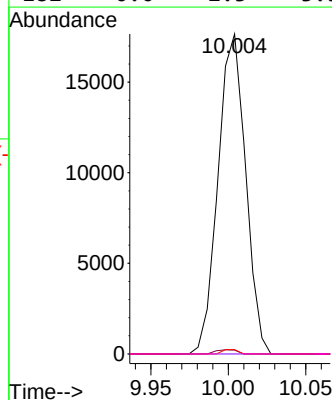
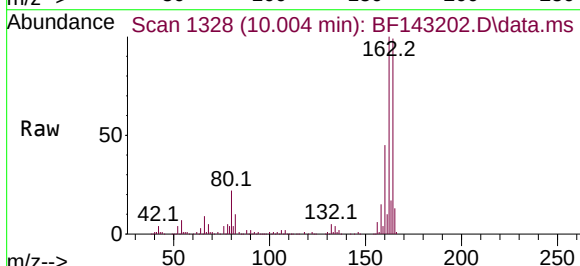
Ion Ratio Lower Upper

165 100

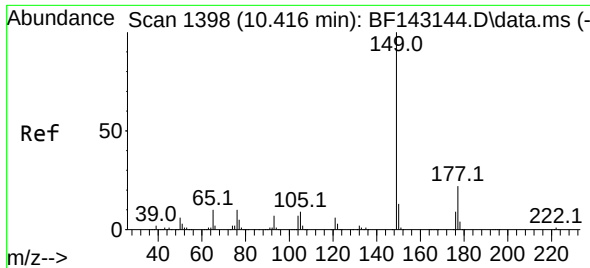
63 1.2 41.0 61.4#

89 1.3 61.1 91.7#

182 0.0 2.3 3.5#







#60  
Diethylphthalate  
Concen: 5.515 ng  
RT: 10.410 min Scan# 1398  
Delta R.T. -0.006 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

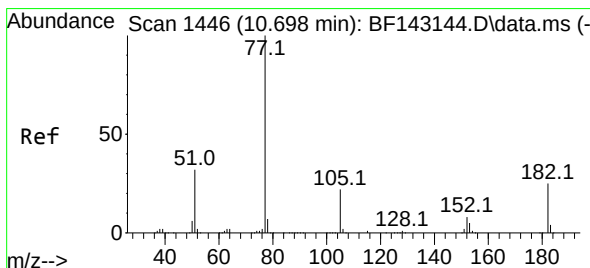
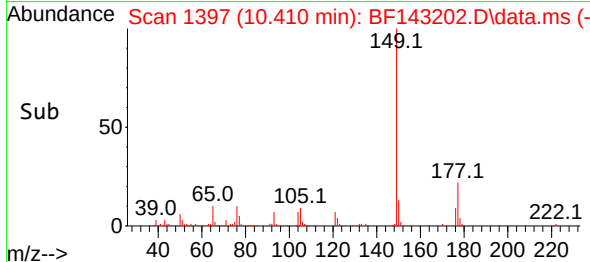
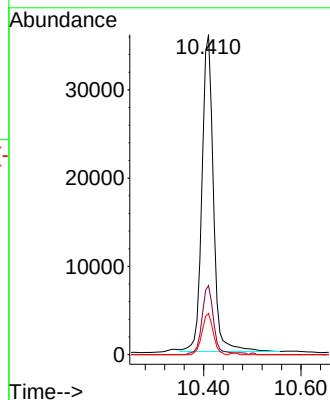
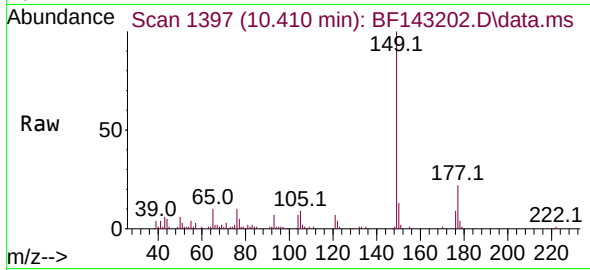
Instrument :

BNA\_F

ClientSampleId :

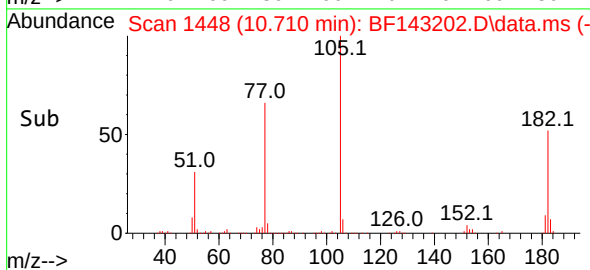
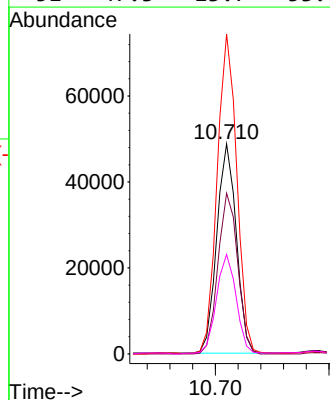
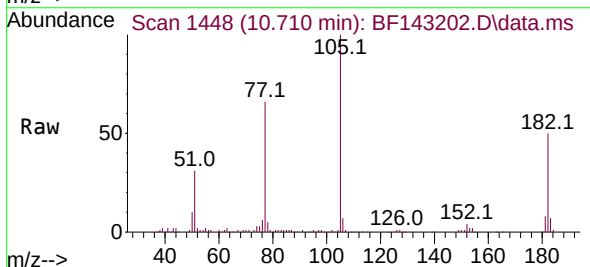
WC-4

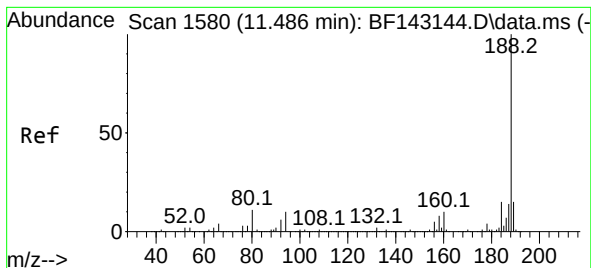
Tgt Ion:149 Resp: 58563  
Ion Ratio Lower Upper  
149 100  
177 21.6 17.5 26.3  
150 12.8 10.2 15.2



#63  
Azobenzene  
Concen: 5.239 ng  
RT: 10.710 min Scan# 1448  
Delta R.T. 0.012 min  
Lab File: BF143202.D  
Acq: 22 Jul 2025 21:48

Tgt Ion: 77 Resp: 57981  
Ion Ratio Lower Upper  
77 100  
182 76.5 4.6 44.6#  
105 152.3 1.4 41.4#  
51 47.3 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

Instrument :

BNA\_F

ClientSampleId :

WC-4

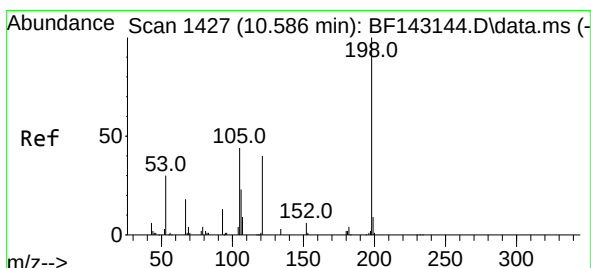
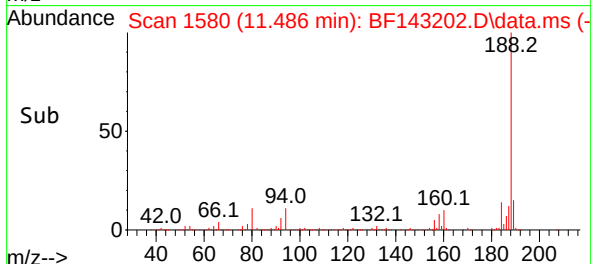
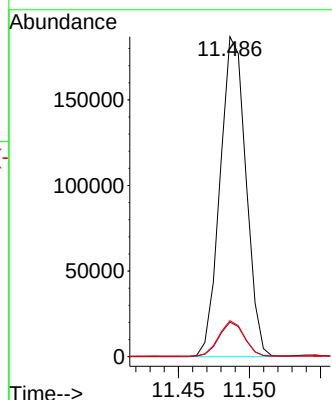
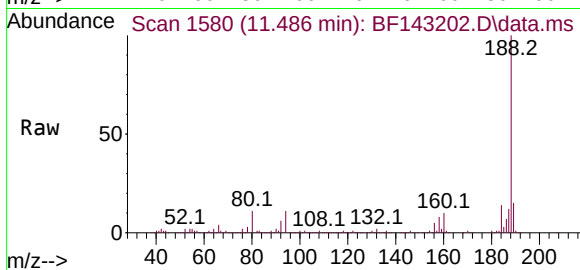
Tgt Ion:188 Resp: 237089

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.2 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.637 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

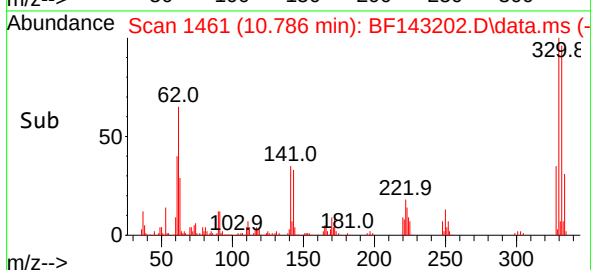
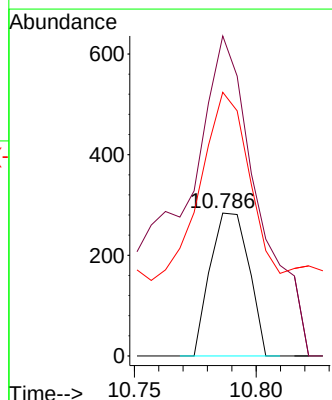
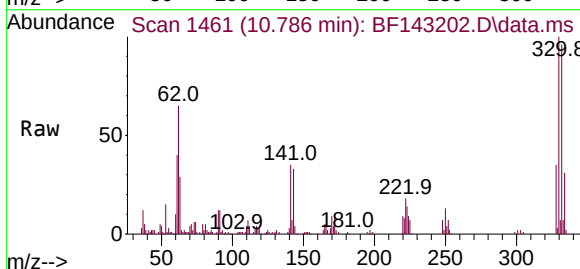
Tgt Ion:198 Resp: 314

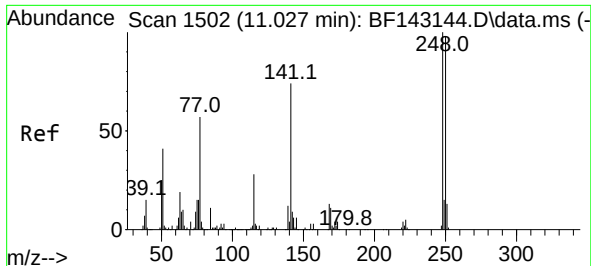
Ion Ratio Lower Upper

198 100

51 223.9 37.2 77.2#

105 184.5 24.8 64.8#





#67

4-Bromophenyl-phenylether

Concen: 2.525 ng

RT: 10.792 min Scan# 14

Delta R.T. -0.235 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

Instrument :

BNA\_F

ClientSampleId :

WC-4

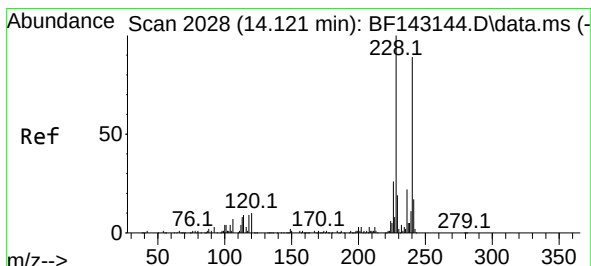
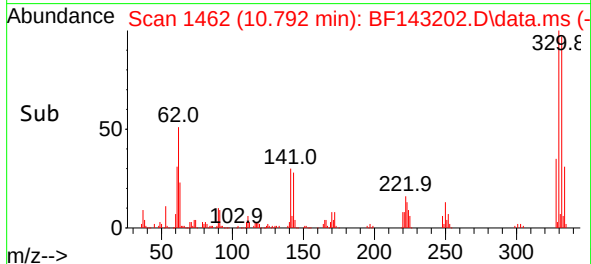
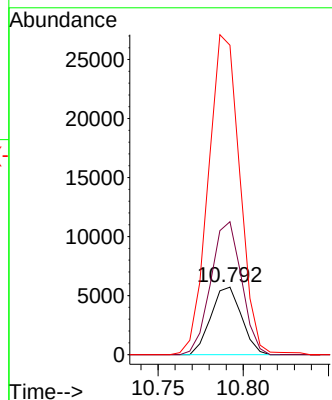
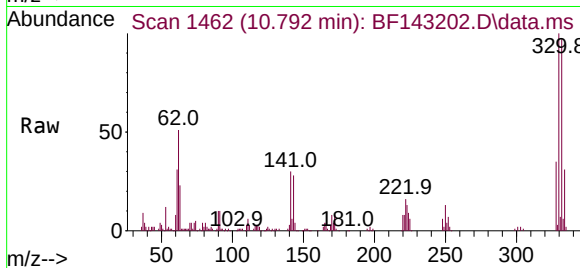
Tgt Ion:248 Resp: 7133

Ion Ratio Lower Upper

248 100

250 197.0 78.3 117.5#

141 458.8 59.2 88.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143202.D

Acq: 22 Jul 2025 21:48

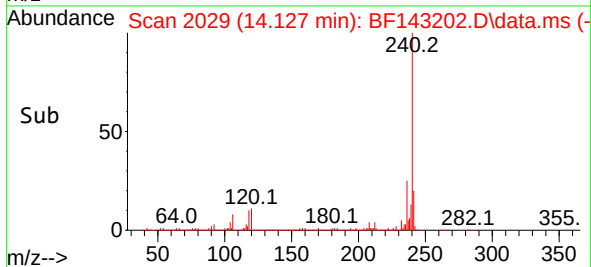
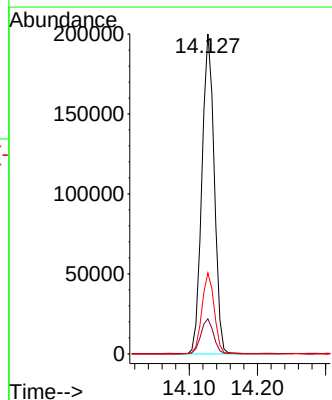
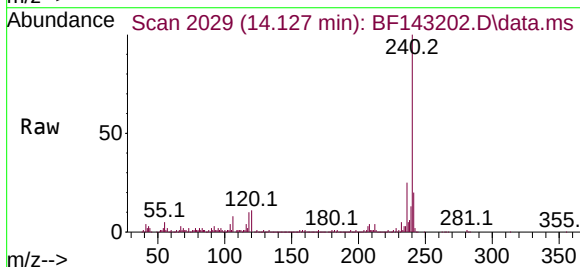
Tgt Ion:240 Resp: 252228

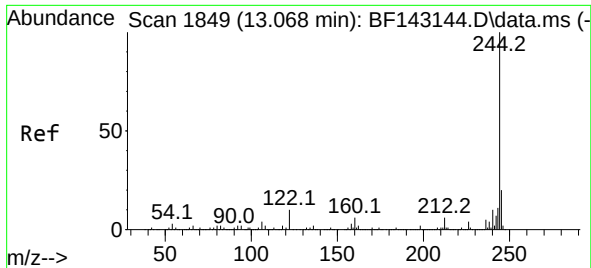
Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 25.3 20.2 30.4

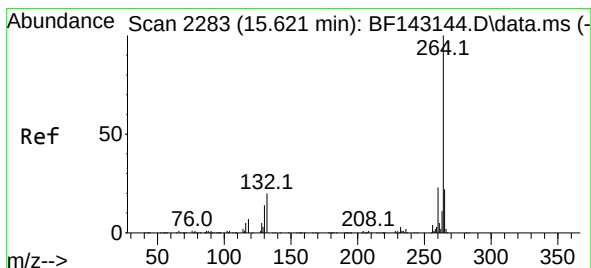
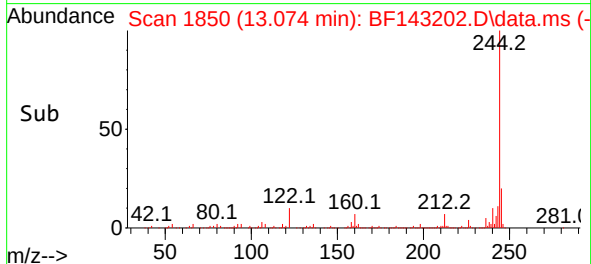
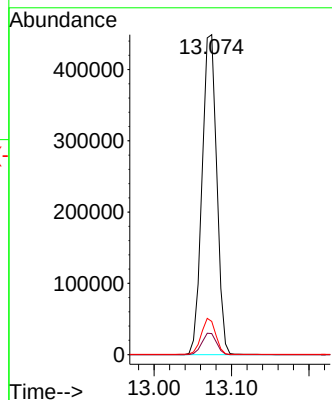
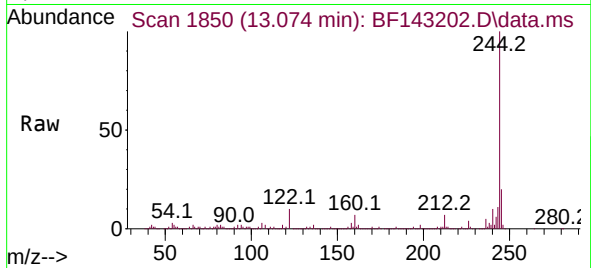




#79  
 Terphenyl-d14  
 Concen: 34.816 ng  
 RT: 13.074 min Scan# 1849  
 Delta R.T. 0.006 min  
 Lab File: BF143202.D  
 Acq: 22 Jul 2025 21:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

Tgt Ion:244 Resp: 590113  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.2 7.8  
 122 10.4 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.639 min Scan# 2286  
 Delta R.T. 0.018 min  
 Lab File: BF143202.D  
 Acq: 22 Jul 2025 21:48

Tgt Ion:264 Resp: 192583  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 18.5 27.7  
 265 21.7 17.4 26.2

