

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010925\  
 Data File : BF141103.D  
 Acq On : 09 Jan 2025 14:35  
 Operator : RC/JU  
 Sample : PB165989BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165989BL

Quant Time: Jan 09 14:55:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

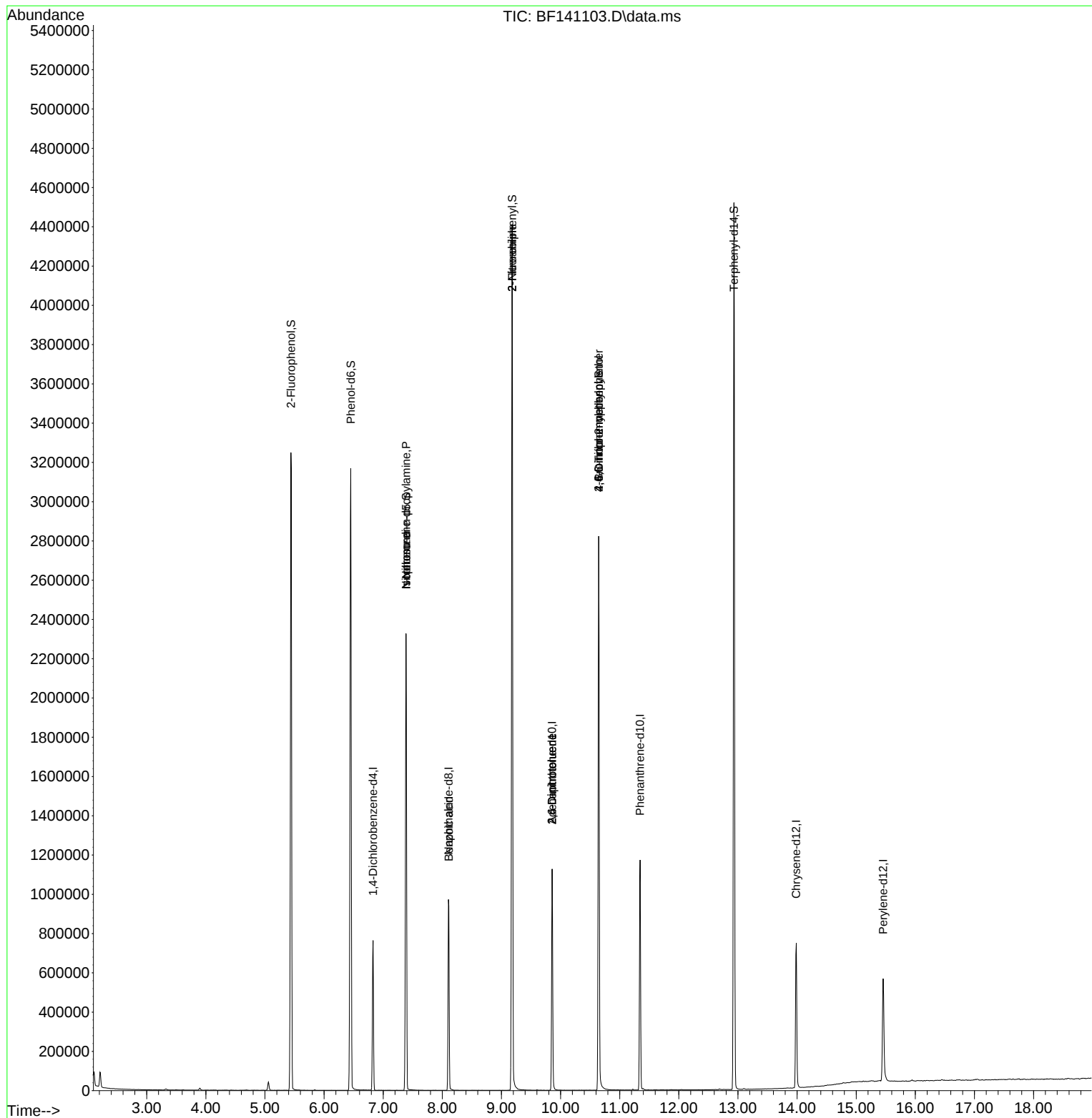
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 156520   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 629283   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 339475   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 599453   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 382613   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 341864   | 20.000    | ng     | 0.01     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1315227  | 126.664   | ng     | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 1646595  | 123.098   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 1078227  | 109.621   | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 524968   | 159.144   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1985150  | 93.168    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2260979  | 98.153    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.451  | 77   | 2914     | Below Cal | #      | 2        |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 145978   | 17.814    | ng     | # 78     |
| 25) Isophorone                | 7.387  | 82   | 1070826  | 50.030    | ng     | # 65     |
| 32) Benzoic acid              | 8.110  | 122  | 61       | 7.700     | ng     | # 1      |
| 48) 2-Nitroaniline            | 9.181  | 65   | 3278     | 5.205     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 43891    | 12.559    | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 43892    | 11.638    | ng     | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 1042     | 9.695     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 31621    | 4.880     | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

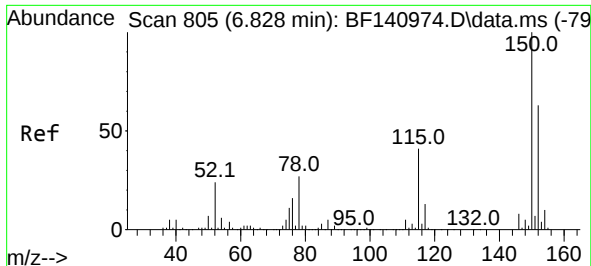
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 27 00:31:16 2024  
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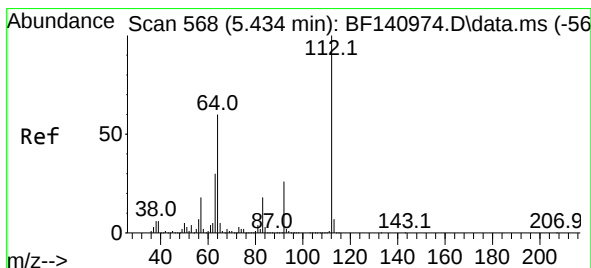
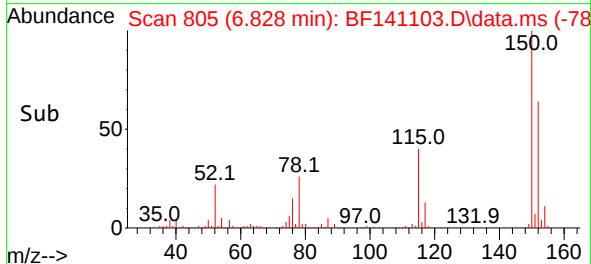
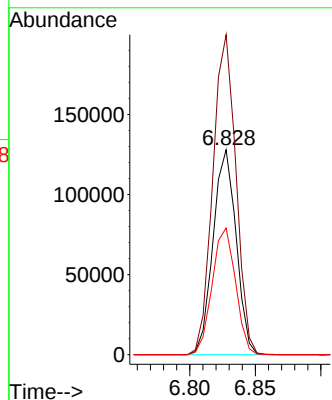
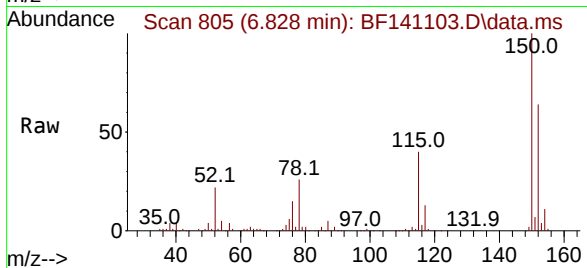




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

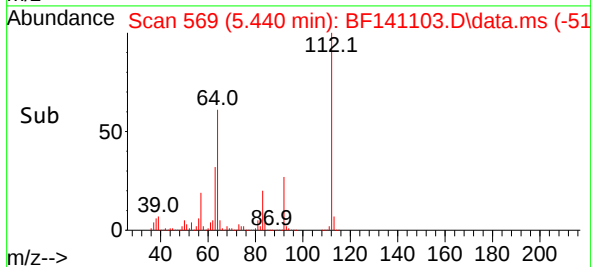
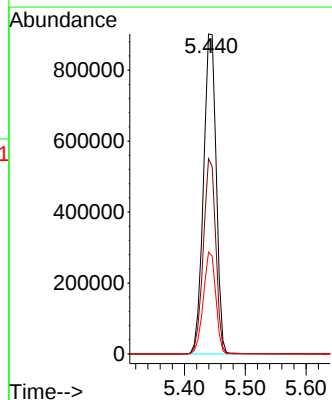
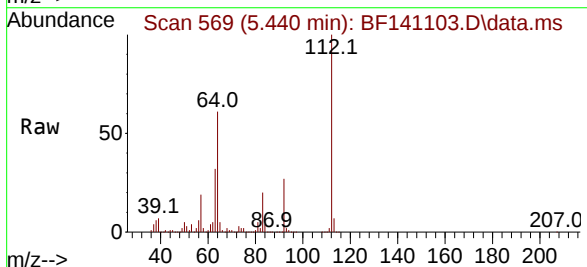
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

Tgt Ion:152 Resp: 156520  
Ion Ratio Lower Upper  
152 100  
150 156.1 127.0 190.6  
115 61.8 51.7 77.5



#5  
2-Fluorophenol  
Concen: 126.664 ng  
RT: 5.440 min Scan# 569  
Delta R.T. 0.006 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion:112 Resp: 1315227  
Ion Ratio Lower Upper  
112 100  
64 61.0 47.7 71.5  
63 31.8 24.2 36.2

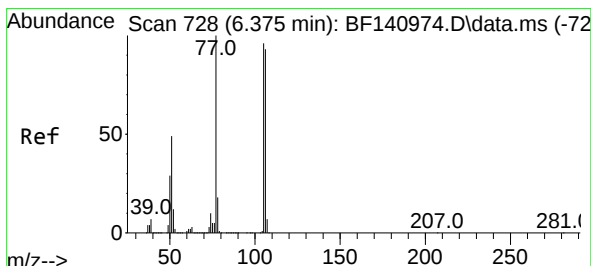
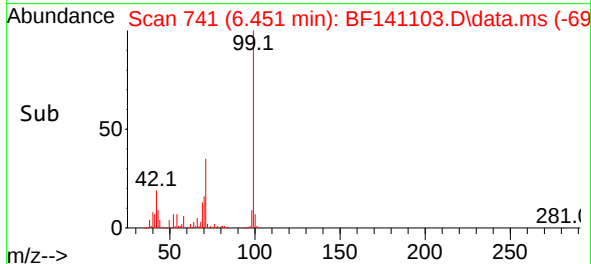
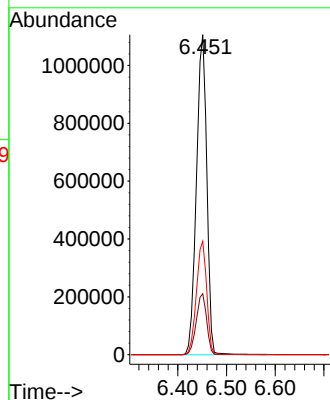
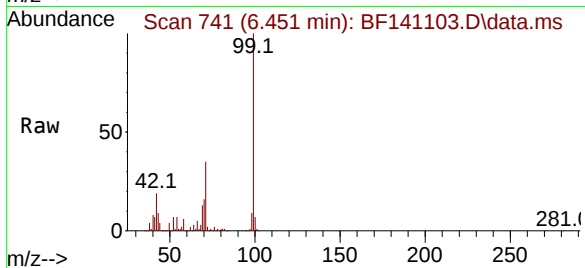




#7  
Phenol-d6  
Concen: 123.098 ng  
RT: 6.451 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

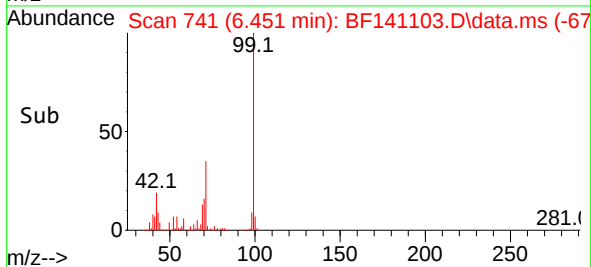
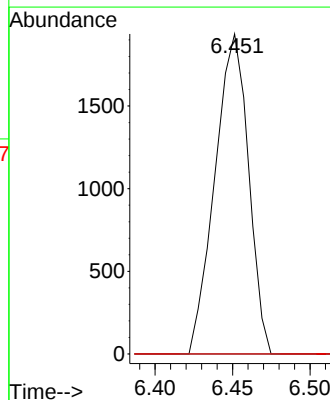
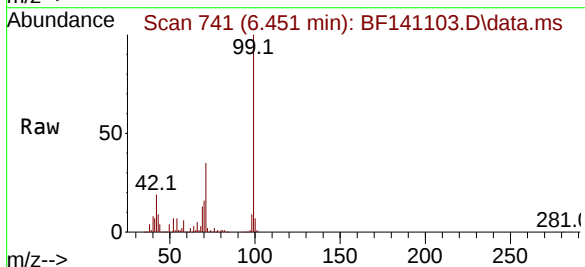
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

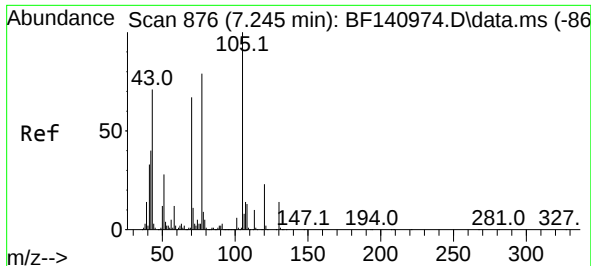
Tgt Ion: 99 Resp: 1646595  
Ion Ratio Lower Upper  
99 100  
42 19.1 15.0 22.4  
71 35.5 26.2 39.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.451 min Scan# 741  
Delta R.T. 0.076 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion: 77 Resp: 2914  
Ion Ratio Lower Upper  
77 100  
105 0.0 76.2 116.2#  
106 0.0 73.4 113.4#

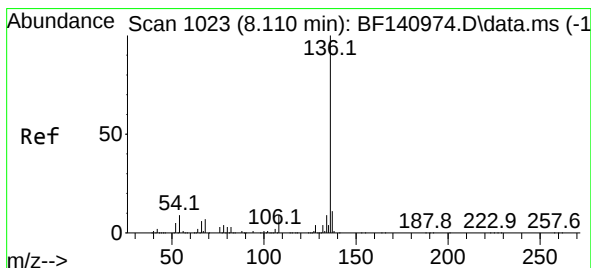
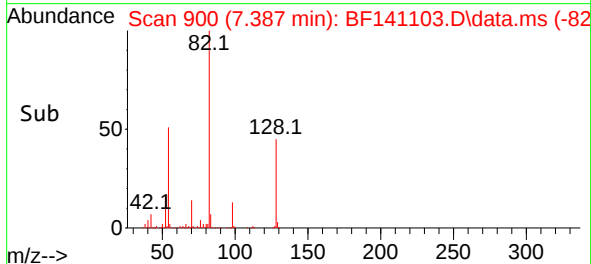
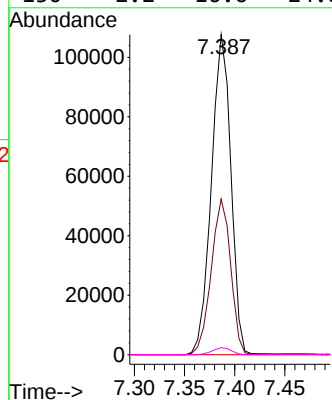
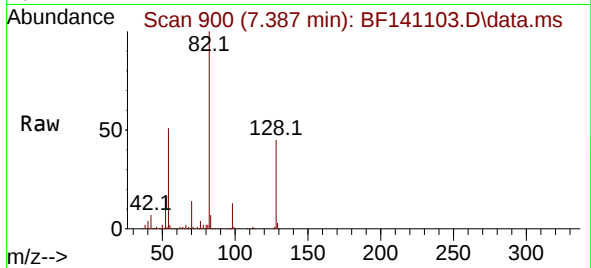




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.814 ng  
RT: 7.387 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

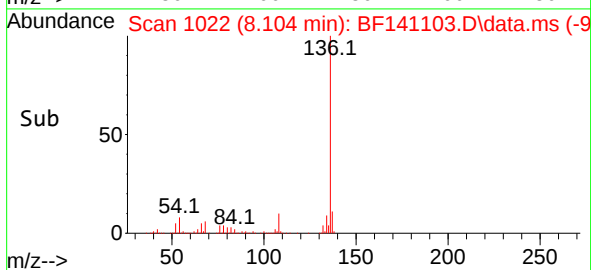
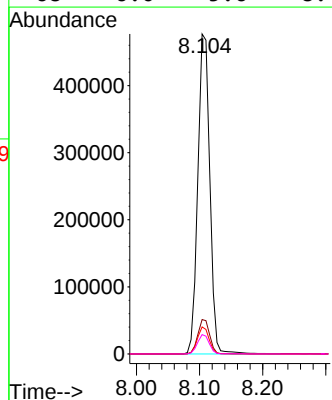
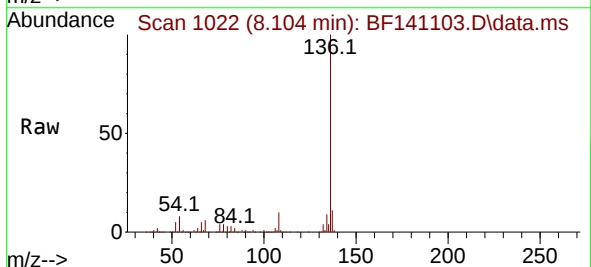
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

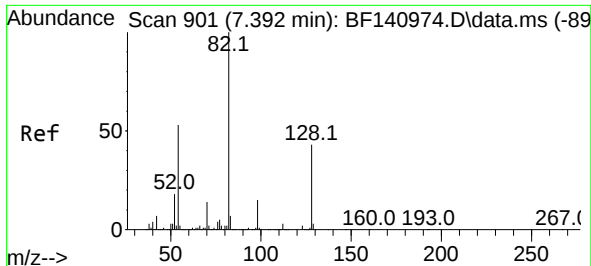
Tgt Ion: 70 Resp: 145978  
Ion Ratio Lower Upper  
70 100  
42 48.6 48.1 72.1  
101 0.0 7.6 11.4#  
130 2.2 16.6 24.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion: 136 Resp: 629283  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 8.5 7.6 11.4  
68 6.0 5.6 8.4

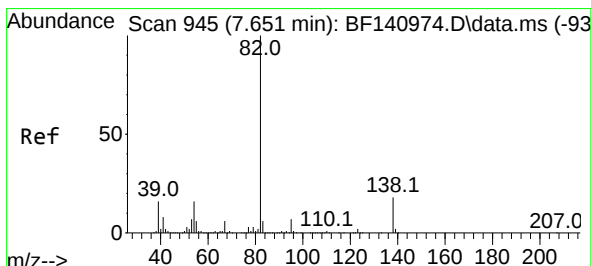
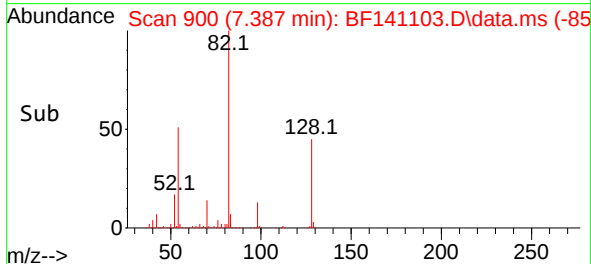
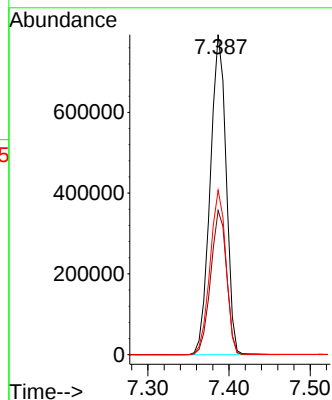
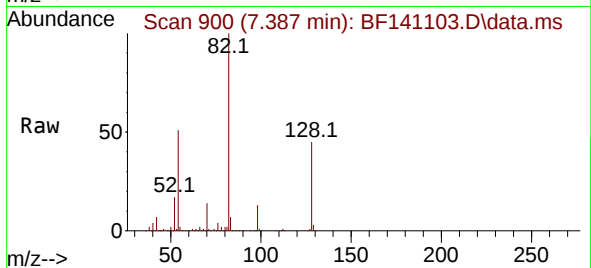




#23  
Nitrobenzene-d5  
Concen: 109.621 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

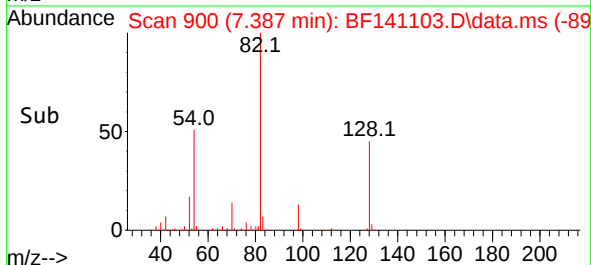
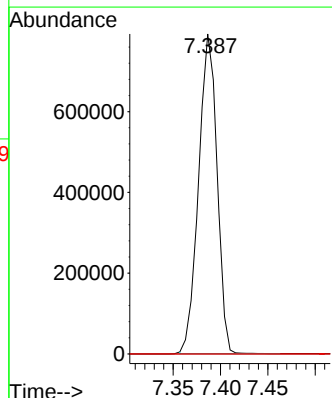
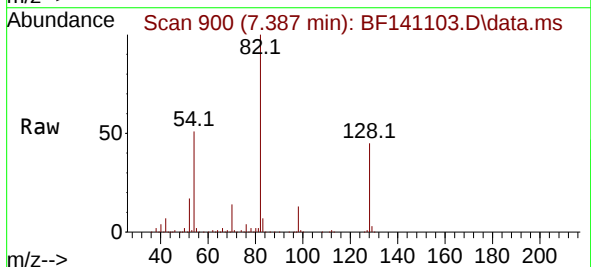
Instrument :  
BNA\_F  
ClientSampleId :  
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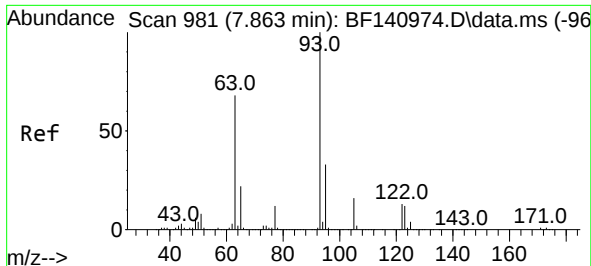
Tgt Ion: 82 Resp: 1078227  
Ion Ratio Lower Upper  
82 100  
128 45.0 34.4 51.6  
54 51.4 42.4 63.6



#25  
Isophorone  
Concen: 50.030 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion: 82 Resp: 1070826  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 21.8#

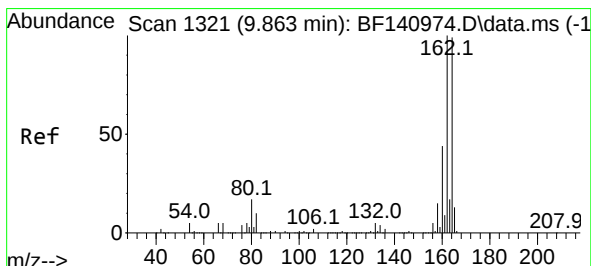
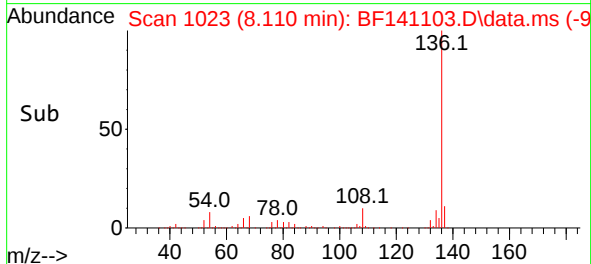
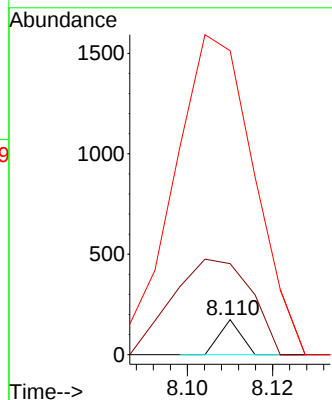
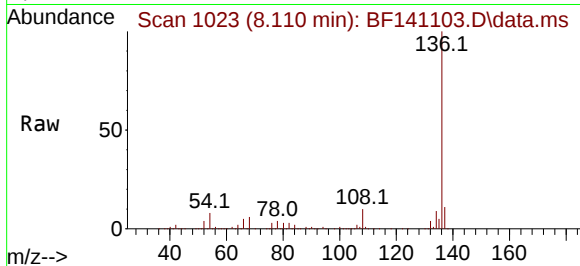




#32  
Benzoic acid  
Concen: 7.700 ng  
RT: 8.110 min Scan# 10  
Delta R.T. 0.247 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

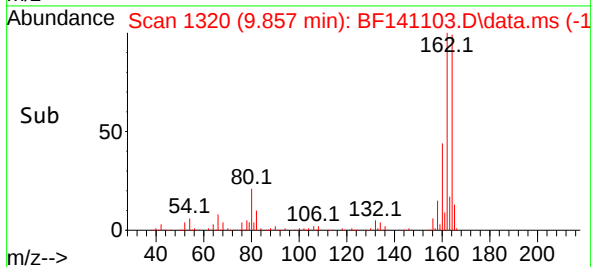
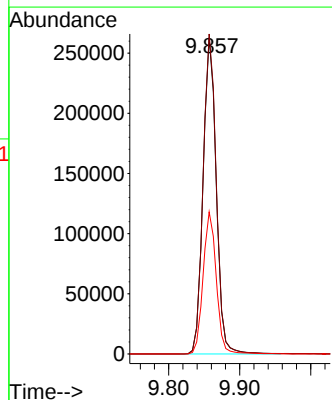
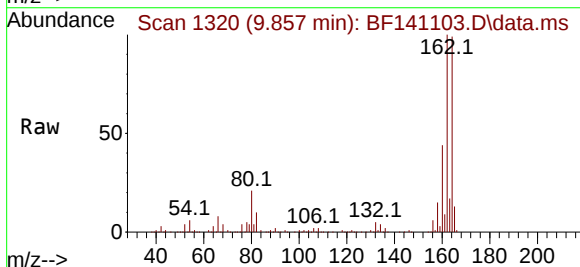
Instrument :  
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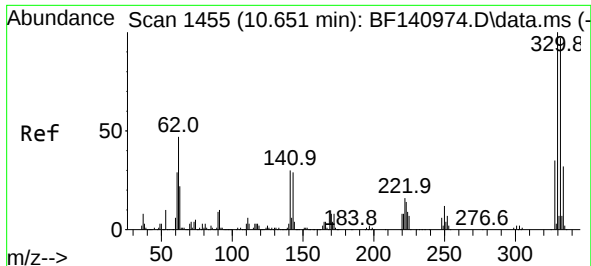
Tgt Ion:122 Resp: 61  
Ion Ratio Lower Upper  
122 100  
105 260.3 105.4 145.4#  
77 869.5 76.4 116.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1320  
Delta R.T. -0.006 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion:164 Resp: 339475  
Ion Ratio Lower Upper  
164 100  
162 101.1 80.6 120.8  
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 159.144 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141103.D

Acq: 09 Jan 2025 14:35

Instrument :

BNA\_F

ClientSampleId :

PB165989BL

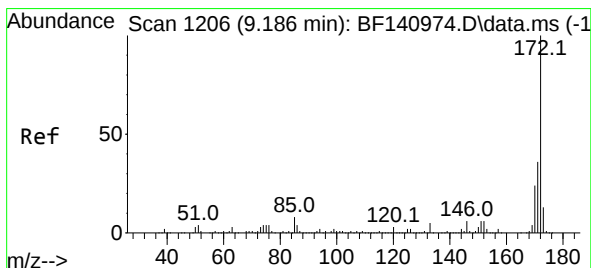
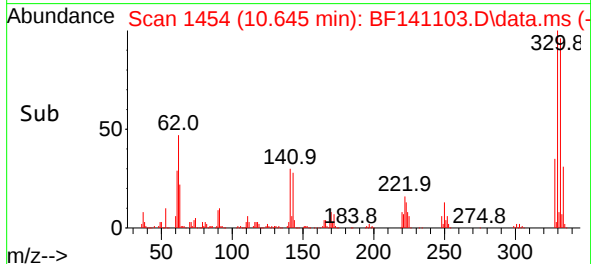
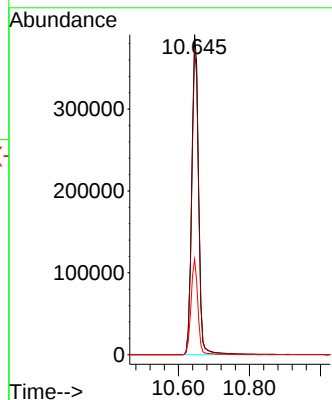
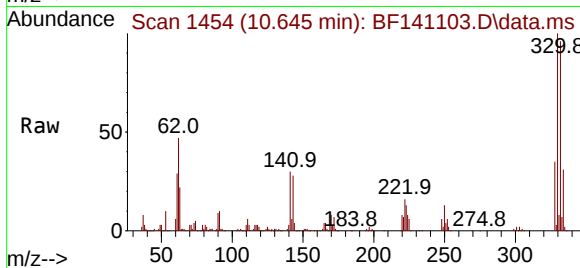
Tgt Ion:330 Resp: 524968

Ion Ratio Lower Upper

330 100

332 95.7 78.0 117.0

141 29.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 93.168 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141103.D

Acq: 09 Jan 2025 14:35

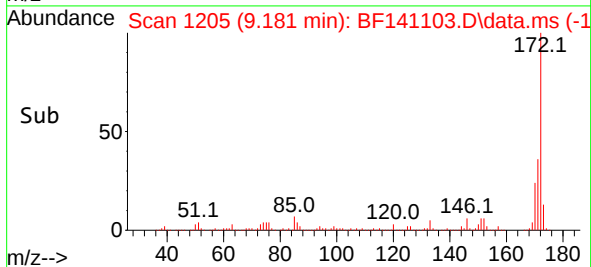
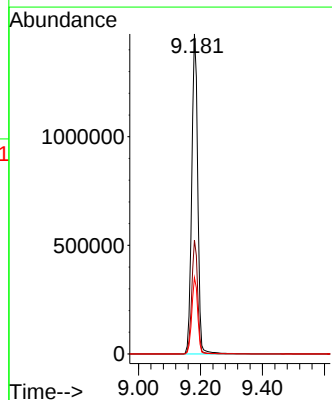
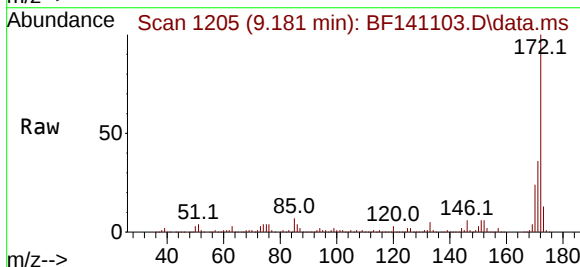
Tgt Ion:172 Resp: 1985150

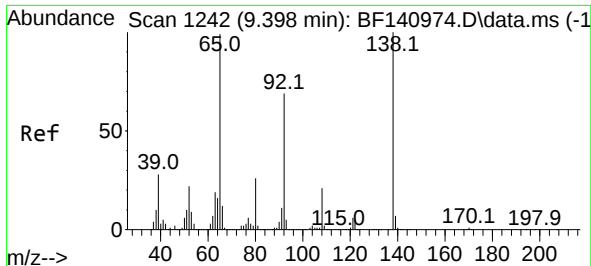
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

170 23.8 19.6 29.4

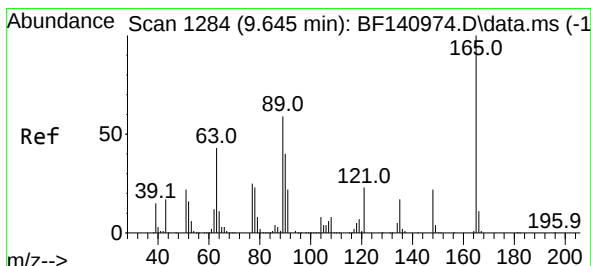
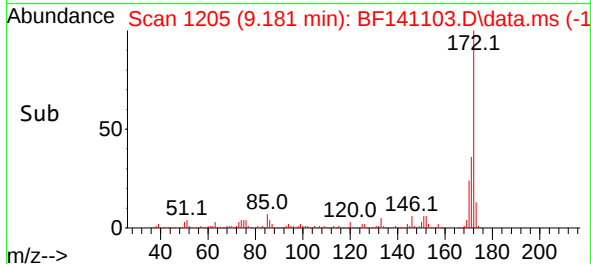
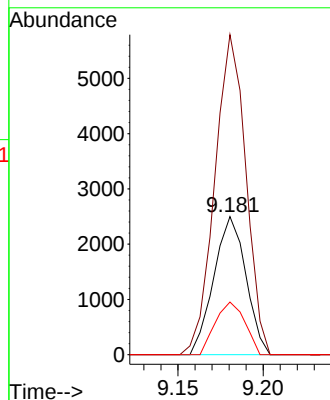
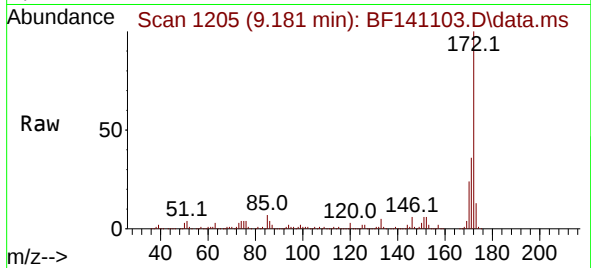




#48  
2-Nitroaniline  
Concen: 5.205 ng  
RT: 9.181 min Scan# 11  
Delta R.T. -0.217 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

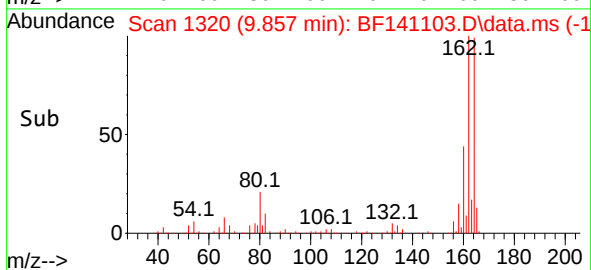
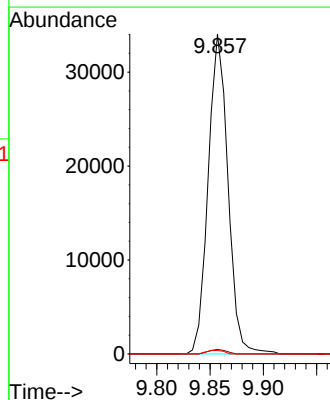
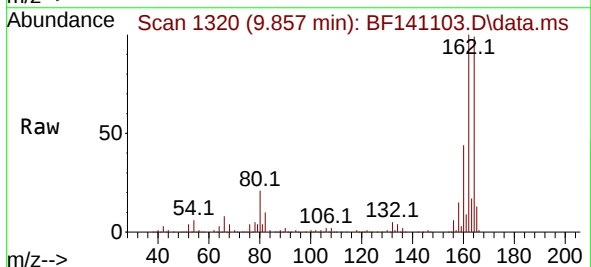
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

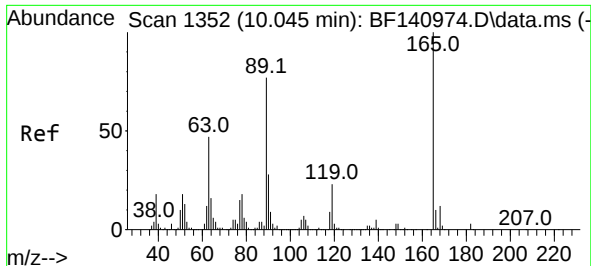
Tgt Ion: 65 Resp: 3278  
Ion Ratio Lower Upper  
65 100  
92 231.7 55.6 83.4#  
138 38.1 80.5 120.7#



#51  
2,6-Dinitrotoluene  
Concen: 12.559 ng  
RT: 9.857 min Scan# 1320  
Delta R.T. 0.212 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion: 165 Resp: 43891  
Ion Ratio Lower Upper  
165 100  
63 1.4 47.1 70.7#  
89 1.1 47.0 70.4#

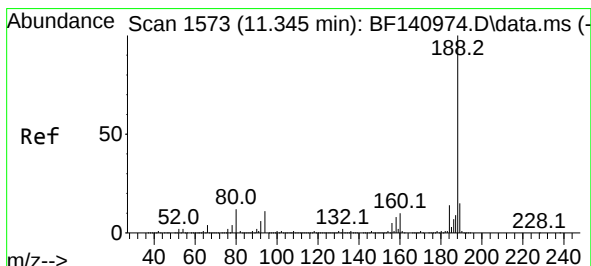
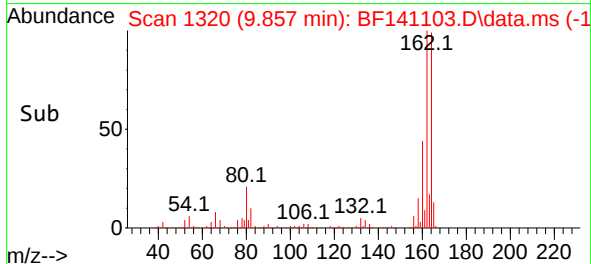
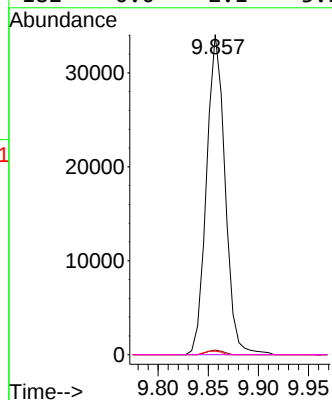
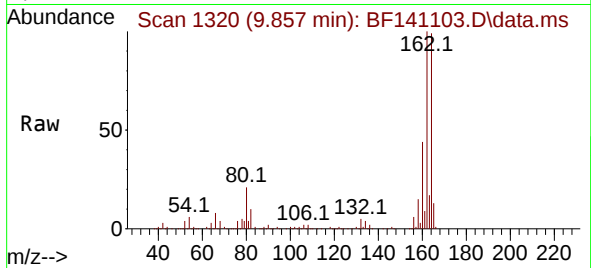




#57  
2,4-Dinitrotoluene  
Concen: 11.638 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

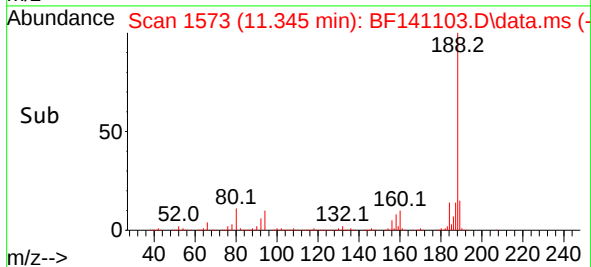
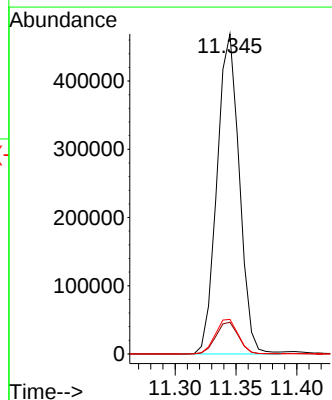
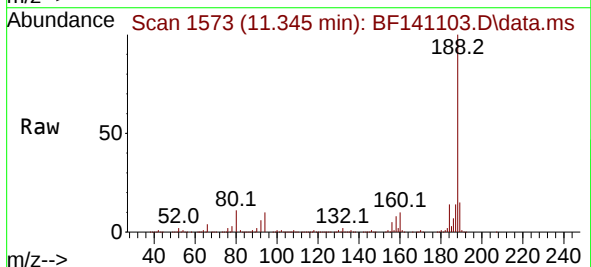
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

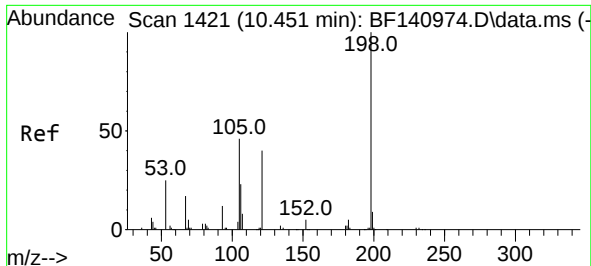
Tgt Ion:165 Resp: 43892  
Ion Ratio Lower Upper  
165 100  
63 1.4 38.1 57.1#  
89 1.1 61.4 92.2#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. -0.000 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion:188 Resp: 599453  
Ion Ratio Lower Upper  
188 100  
94 9.9 9.0 13.6  
80 10.8 9.8 14.6

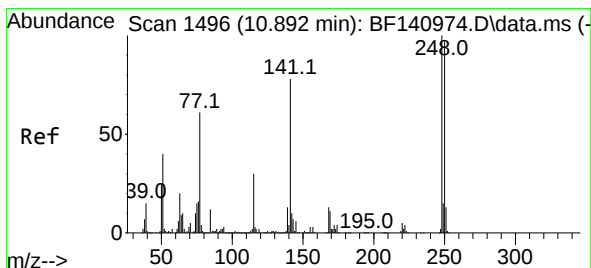
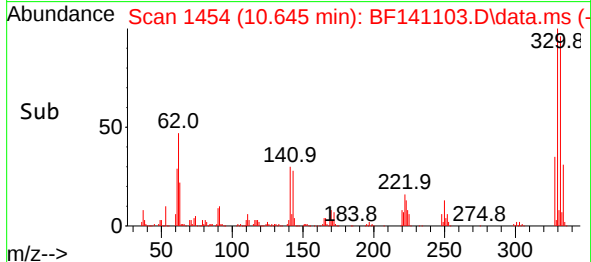
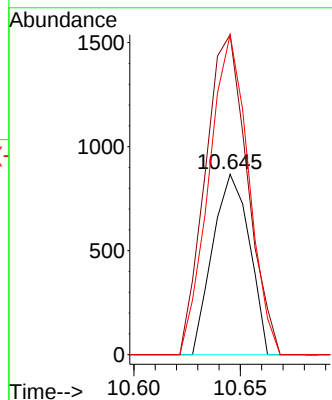
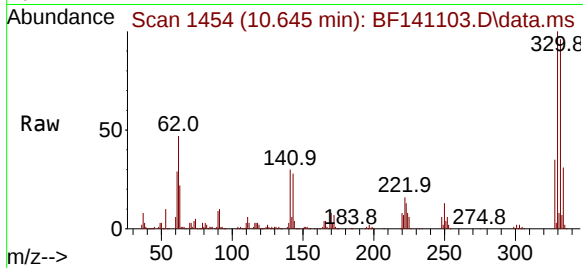




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.695 ng  
RT: 10.645 min Scan# 1454  
Delta R.T. 0.194 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

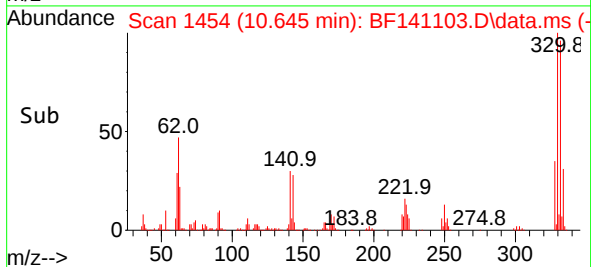
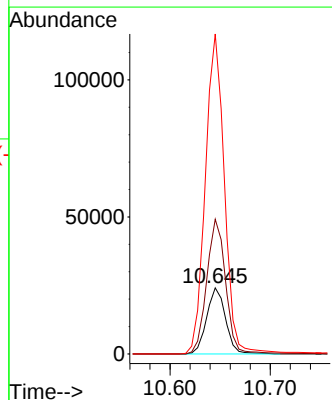
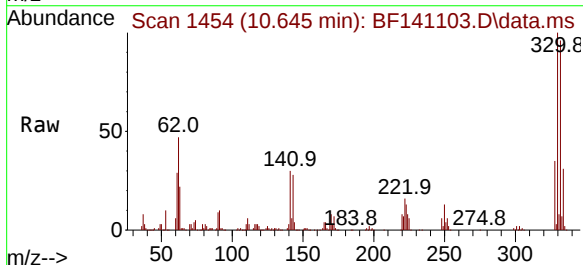
Instrument :  
BNA\_F  
ClientSampleId :  
PB165989BL

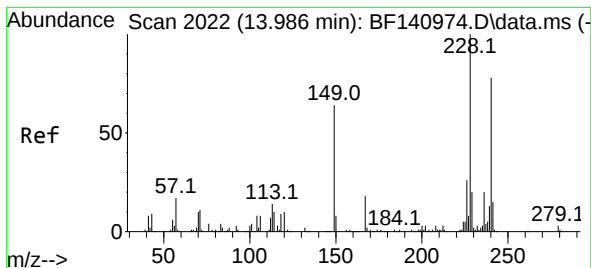
Tgt Ion:198 Resp: 1042  
Ion Ratio Lower Upper  
198 100  
51 177.4 32.3 72.3#  
105 177.4 28.4 68.4#



#67  
4-Bromophenyl-phenylether  
Concen: 4.880 ng  
RT: 10.645 min Scan# 1454  
Delta R.T. -0.247 min  
Lab File: BF141103.D  
Acq: 09 Jan 2025 14:35

Tgt Ion:248 Resp: 31621  
Ion Ratio Lower Upper  
248 100  
250 204.0 77.7 116.5#  
141 484.5 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141103.D

Acq: 09 Jan 2025 14:35

Instrument :

BNA\_F

ClientSampleId :

PB165989BL

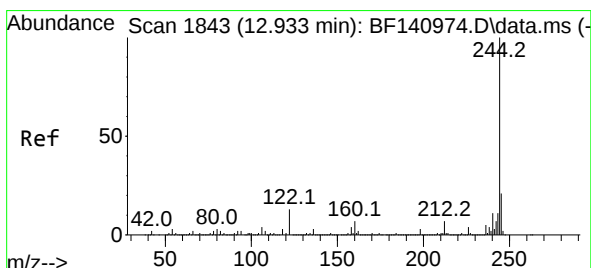
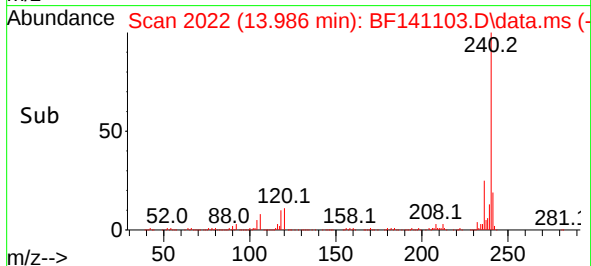
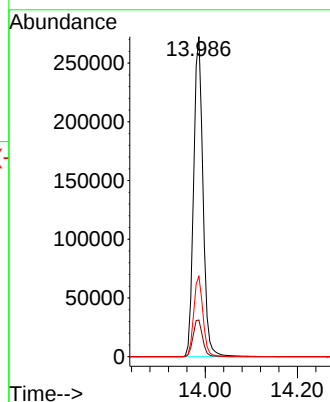
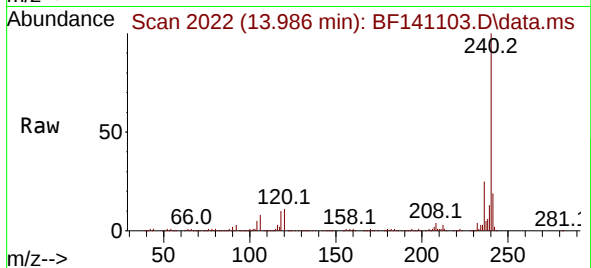
Tgt Ion:240 Resp: 382613

Ion Ratio Lower Upper

240 100

120 11.4 10.7 16.1

236 25.1 20.6 31.0



#79

Terphenyl-d14

Concen: 98.153 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141103.D

Acq: 09 Jan 2025 14:35

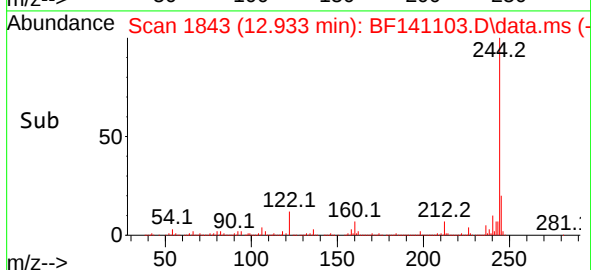
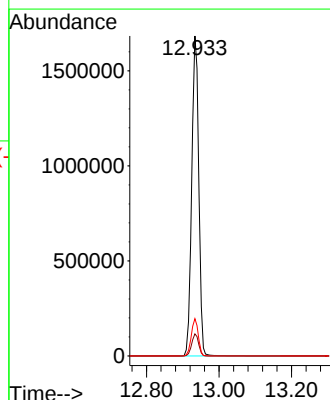
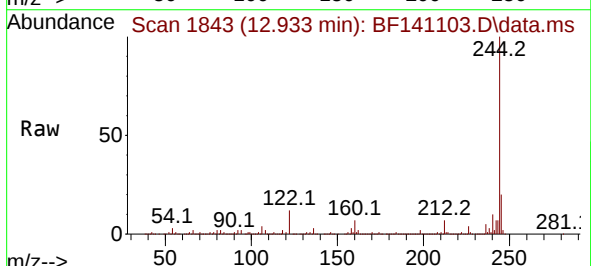
Tgt Ion:244 Resp: 2260979

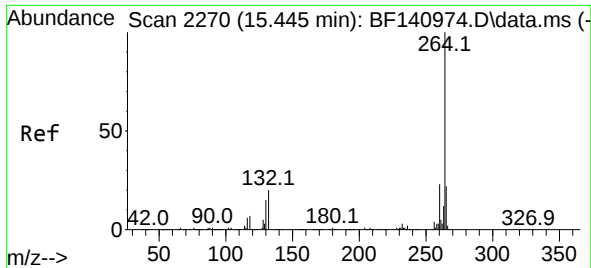
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.7 10.2 15.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.457 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF141103.D  
 Acq: 09 Jan 2025 14:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165989BL

Tgt Ion:264 Resp: 341864  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.7 28.1  
 265 22.0 17.4 26.2

