

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072425\  
 Data File : BF143235.D  
 Acq On : 24 Jul 2025 15:58  
 Operator : RC/JU  
 Sample : Q2668-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Jul 24 16:42:12 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

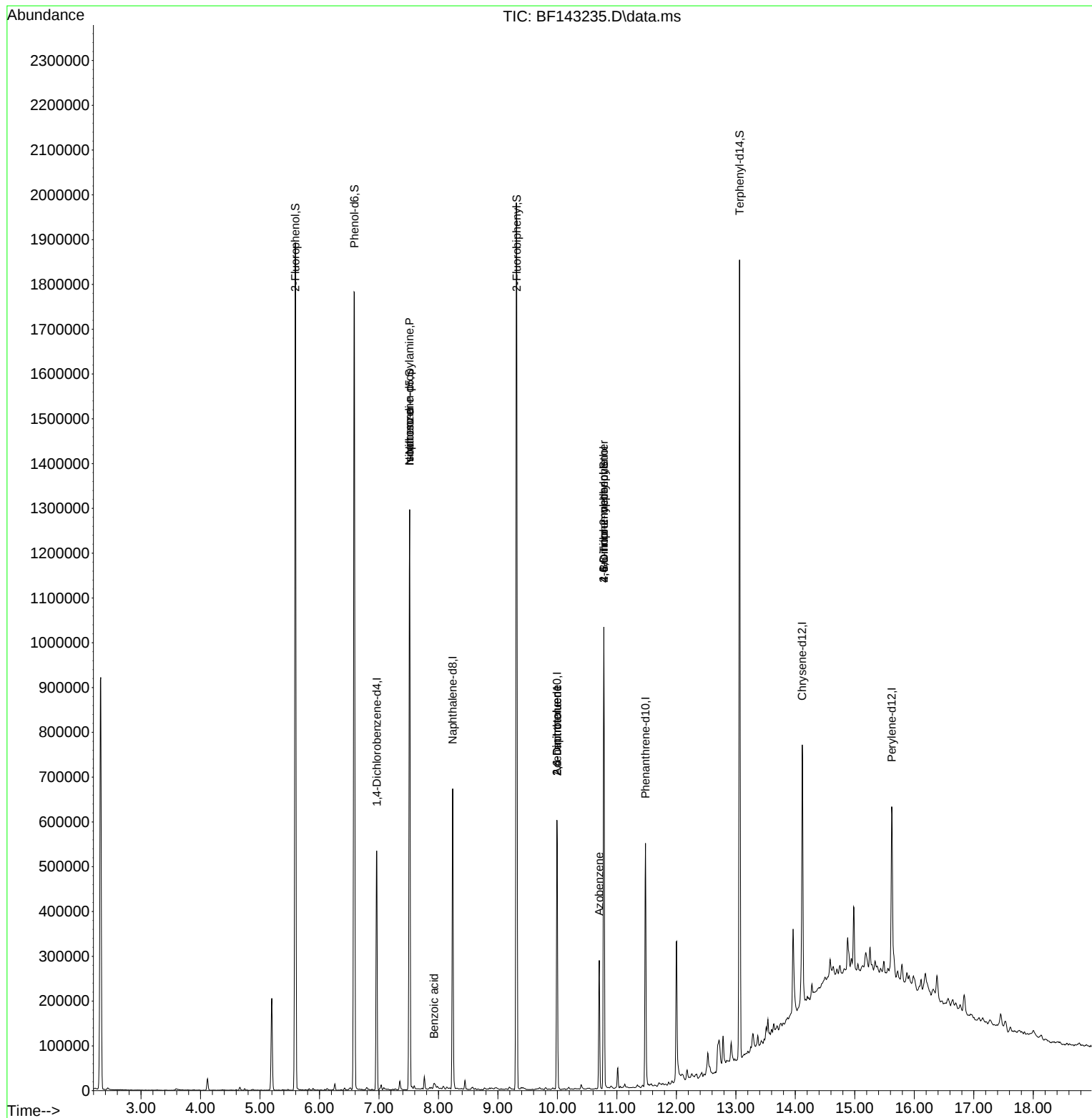
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 113808   | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 398702   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.992  | 164  | 175725   | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.480 | 188  | 267515   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 14.116 | 240  | 273654   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 15.621 | 264  | 228085   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.593  | 112  | 687263   | 95.562 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.587  | 99   | 864874   | 95.543 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 565351   | 70.682 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.781 | 330  | 169082   | 93.141 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 889759   | 69.248 | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.063 | 244  | 835331   | 45.425 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 76568    | 13.184 | ng     | # 81     |
| 25) Isophorone                | 7.516  | 82   | 562560   | 39.841 | ng     | # 66     |
| 32) Benzoic acid              | 7.928  | 122  | 5420     | 6.479  | ng     | 91       |
| 51) 2,6-Dinitrotoluene        | 9.992  | 165  | 21980    | 9.433  | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 21980    | 7.519  | ng     | # 21     |
| 63) Azobenzene                | 10.704 | 77   | 72333    | 6.130  | ng     | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.781 | 198  | 237      | 5.562  | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.781 | 248  | 10270    | 3.221  | ng     | # 1      |
| -----                         |        |      |          |        |        |          |

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

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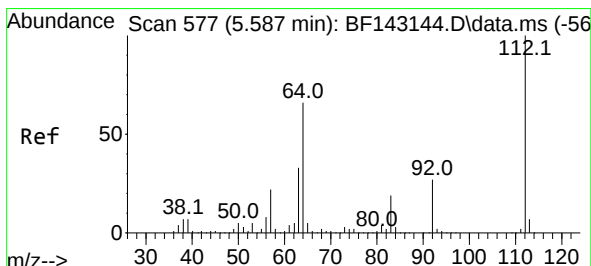
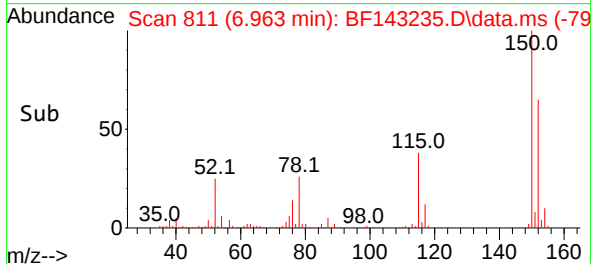
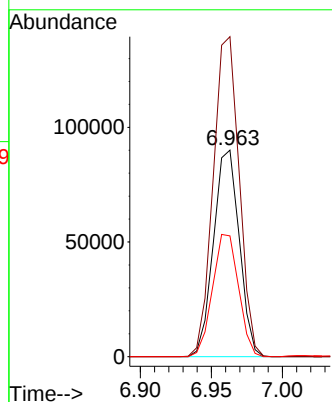
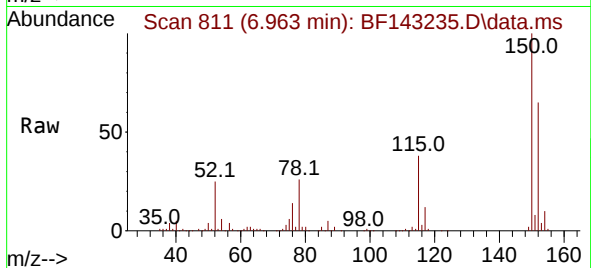




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

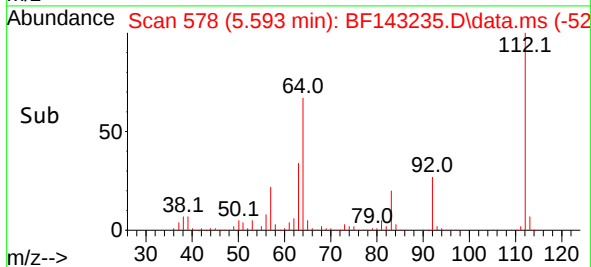
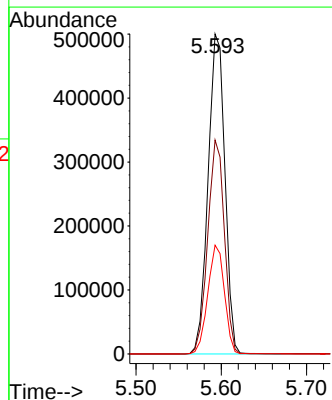
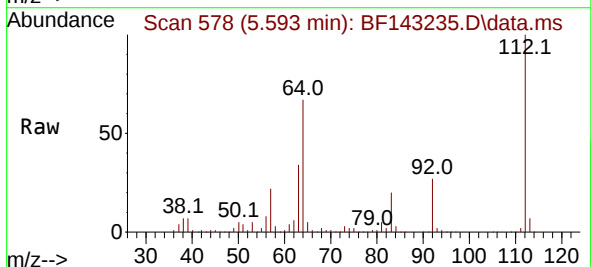
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

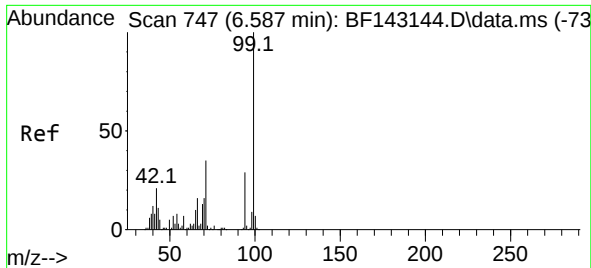
Tgt Ion:152 Resp: 113808  
Ion Ratio Lower Upper  
152 100  
150 154.9 128.2 192.4  
115 58.5 47.9 71.9



#5  
2-Fluorophenol  
Concen: 95.562 ng  
RT: 5.593 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

Tgt Ion:112 Resp: 687263  
Ion Ratio Lower Upper  
112 100  
64 66.9 53.1 79.7  
63 34.0 26.6 40.0

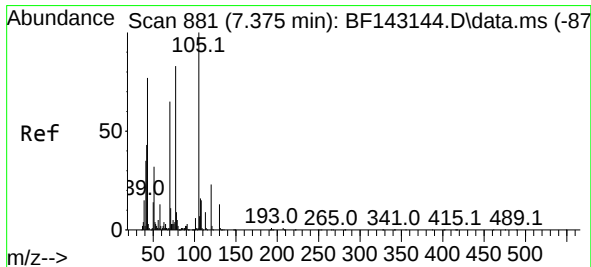
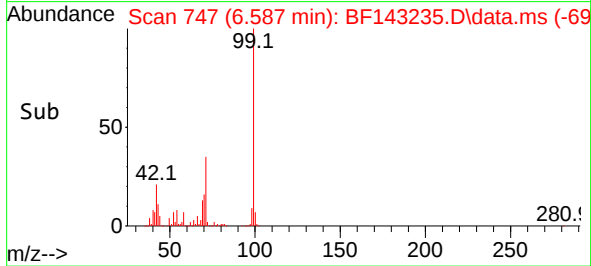
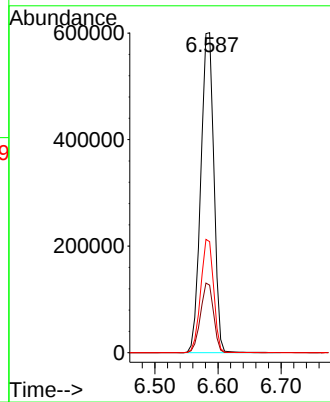
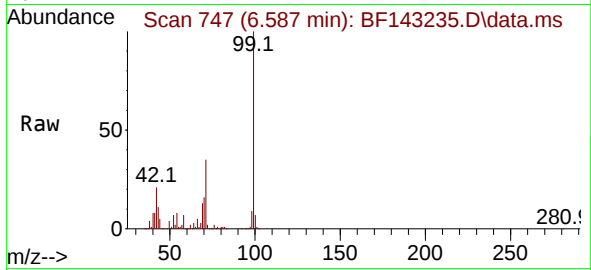




#7  
Phenol-d6  
Concen: 95.543 ng  
RT: 6.587 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

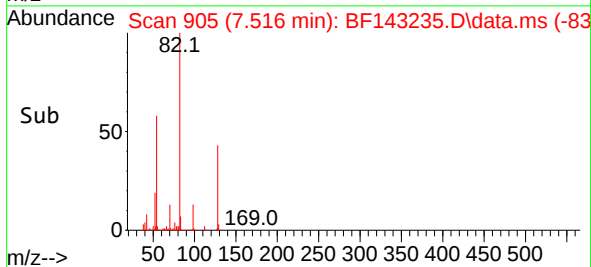
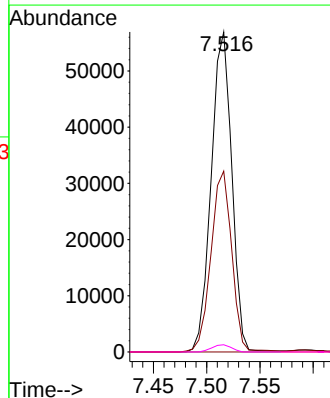
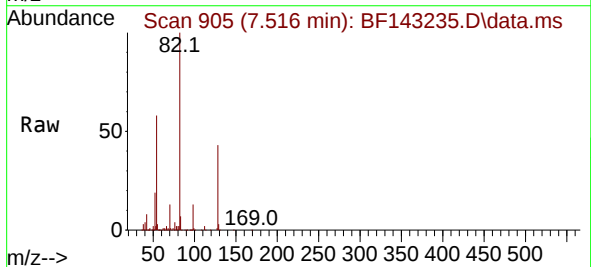
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

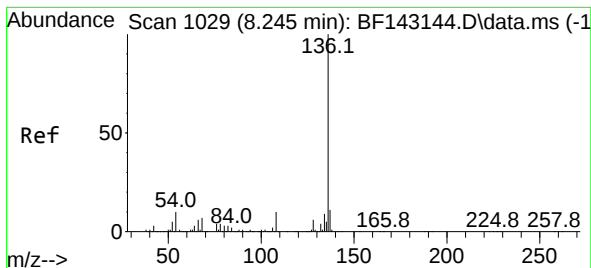
Tgt Ion: 99 Resp: 864874  
Ion Ratio Lower Upper  
99 100  
42 21.1 17.0 25.6  
71 34.7 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.184 ng  
RT: 7.516 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

Tgt Ion: 70 Resp: 76568  
Ion Ratio Lower Upper  
70 100  
42 56.5 52.5 78.7  
101 0.0 7.6 11.4#  
130 2.3 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

Instrument :

BNA\_F

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 398702

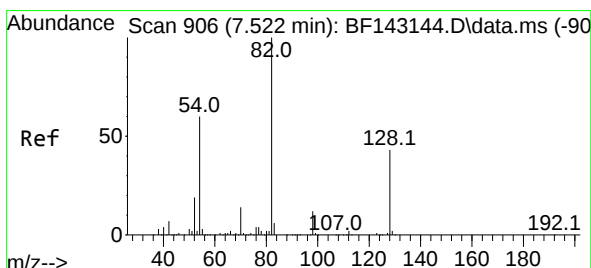
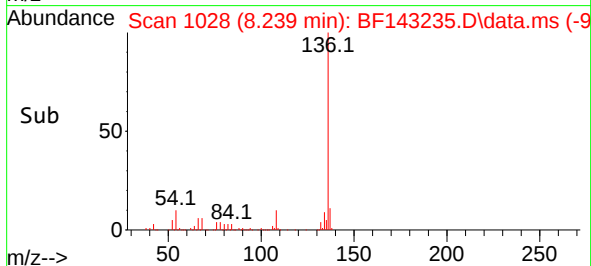
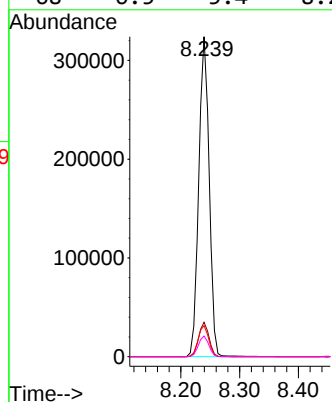
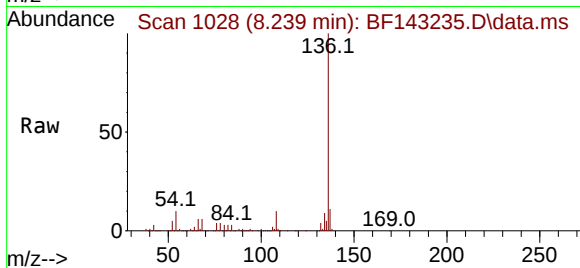
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.7 8.2 12.2

68 6.5 5.4 8.2



#23

Nitrobenzene-d5

Concen: 70.682 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

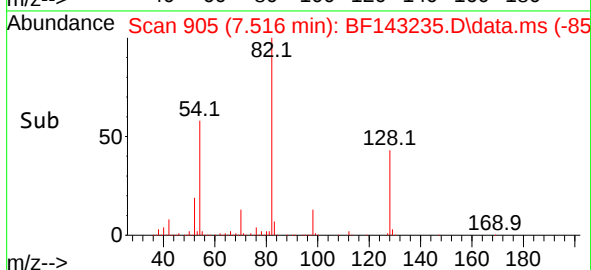
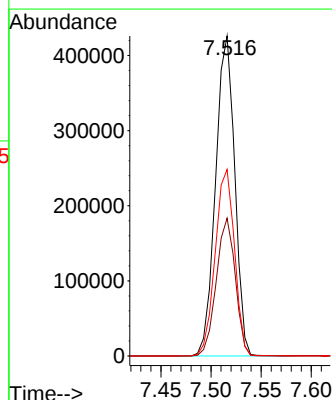
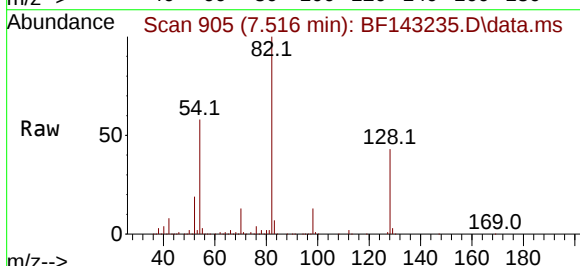
Tgt Ion: 82 Resp: 565351

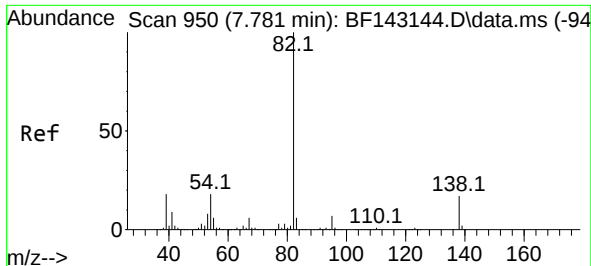
Ion Ratio Lower Upper

82 100

128 43.0 33.6 50.4

54 58.3 47.1 70.7

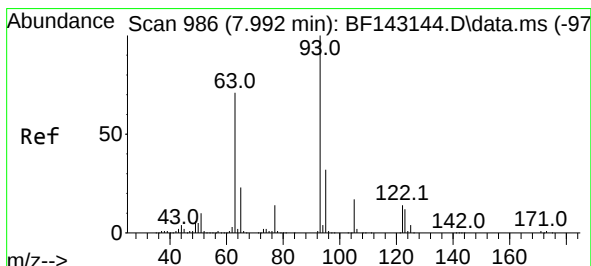
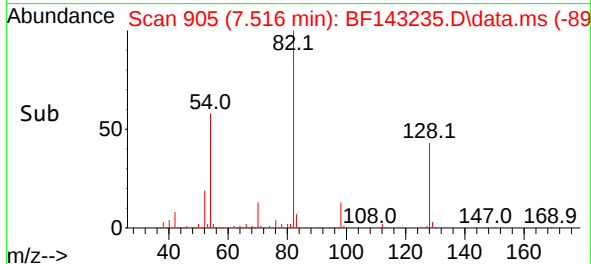
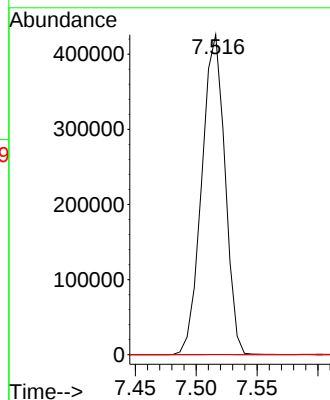
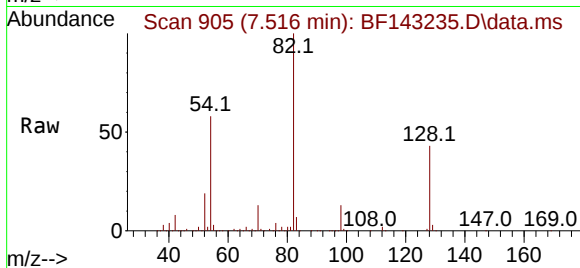




#25  
Isophorone  
Concen: 39.841 ng  
RT: 7.516 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

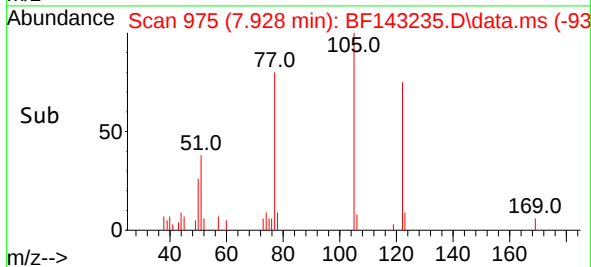
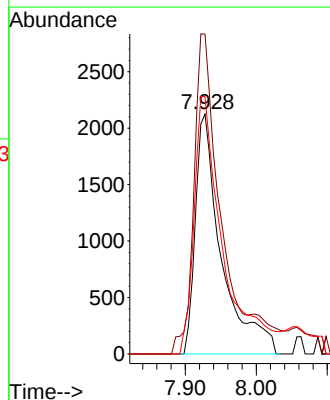
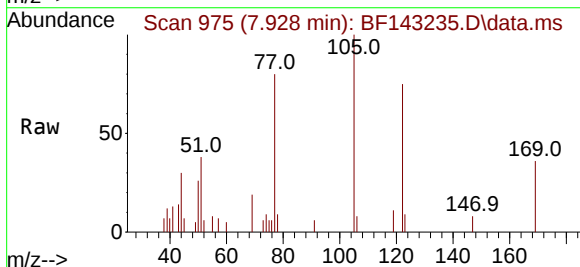
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

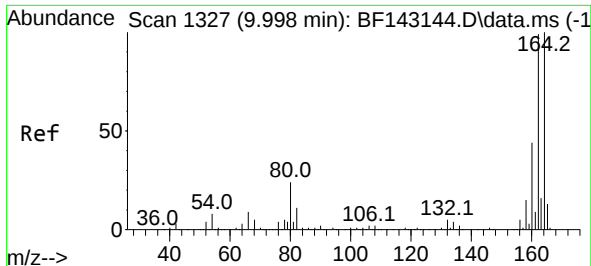
Tgt Ion: 82 Resp: 562560  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.5 8.3#  
138 0.0 13.8 20.8#



#32  
Benzoic acid  
Concen: 6.479 ng  
RT: 7.928 min Scan# 975  
Delta R.T. -0.064 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

Tgt Ion:122 Resp: 5420  
Ion Ratio Lower Upper  
122 100  
105 133.3 104.8 144.8  
77 107.3 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

Instrument :

BNA\_F

ClientSampleId :

TP-1

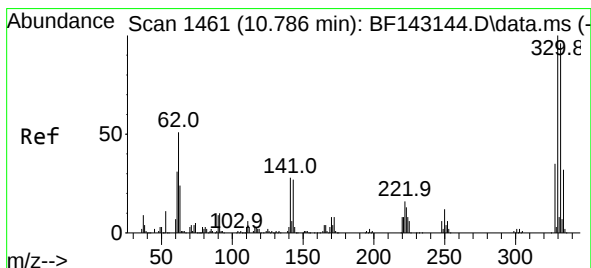
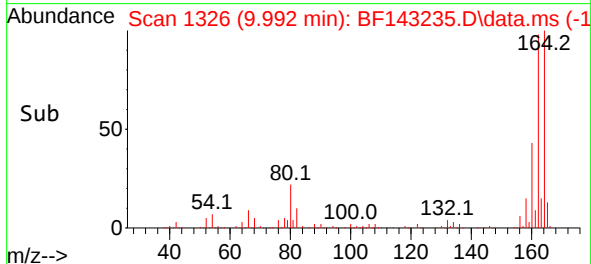
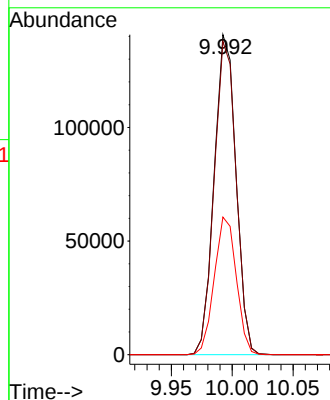
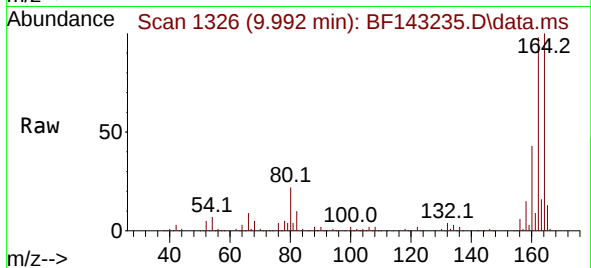
Tgt Ion:164 Resp: 175725

Ion Ratio Lower Upper

164 100

162 97.9 79.0 118.6

160 43.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 93.141 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

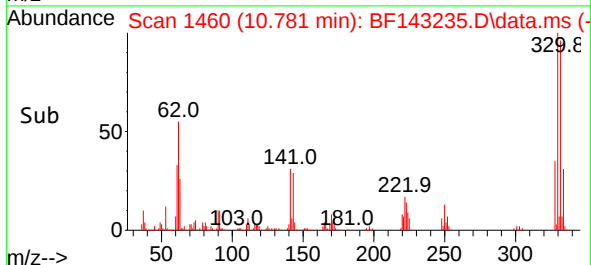
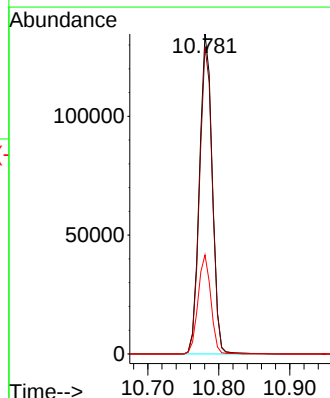
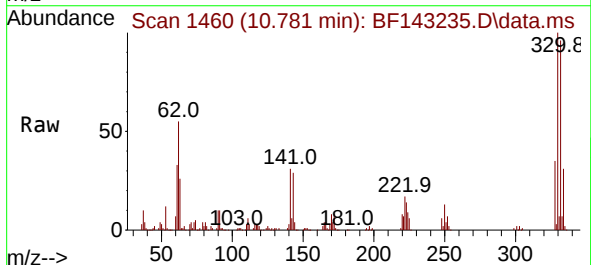
Tgt Ion:330 Resp: 169082

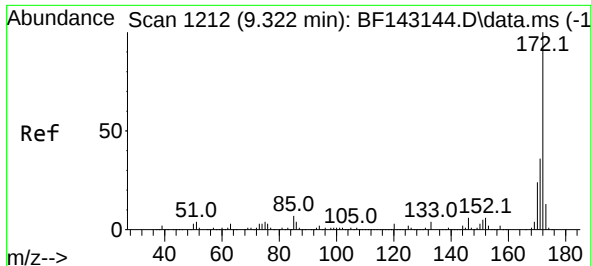
Ion Ratio Lower Upper

330 100

332 95.9 76.7 115.1

141 30.7 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 69.248 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

Instrument :

BNA\_F

ClientSampleId :

TP-1

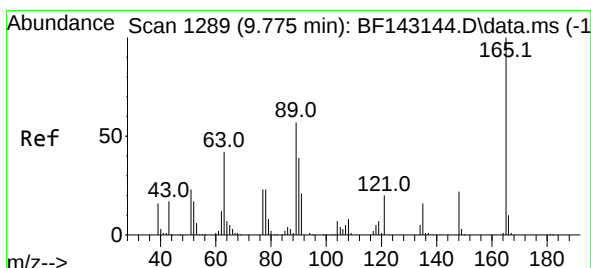
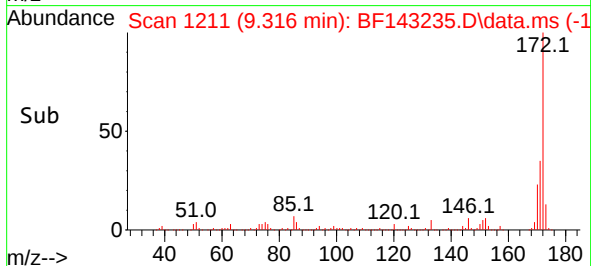
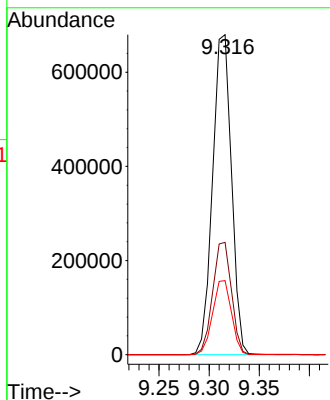
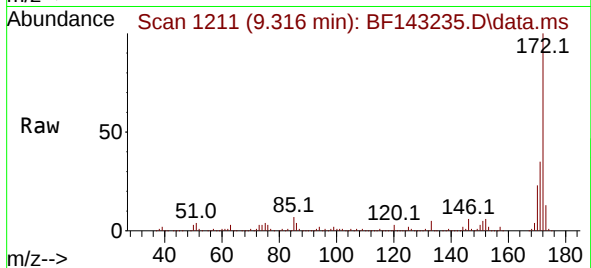
Tgt Ion:172 Resp: 889759

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.433 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.218 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

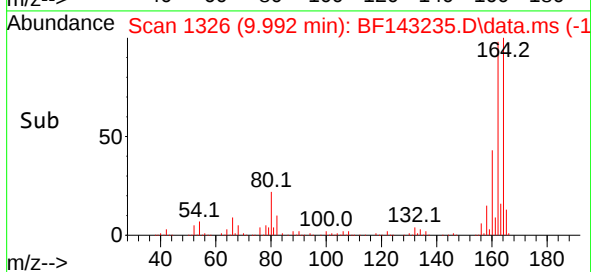
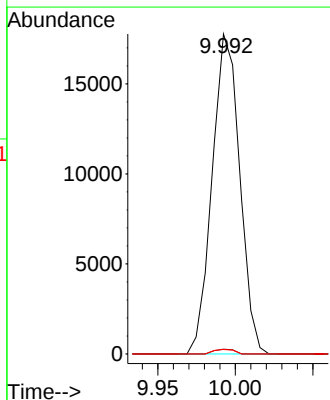
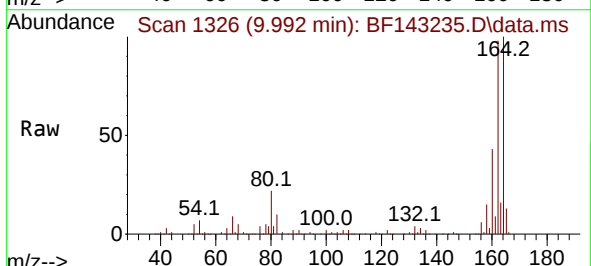
Tgt Ion:165 Resp: 21980

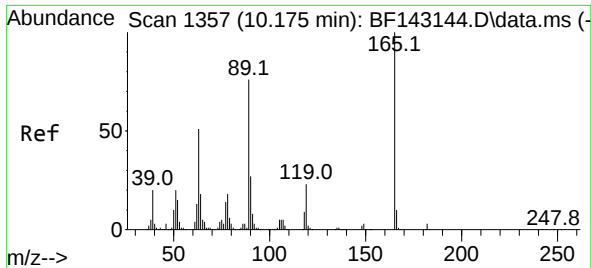
Ion Ratio Lower Upper

165 100

63 1.5 49.4 74.2#

89 1.4 46.2 69.2#

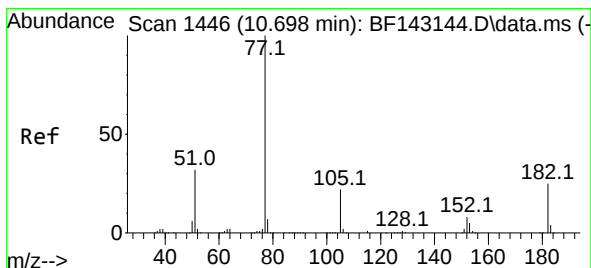
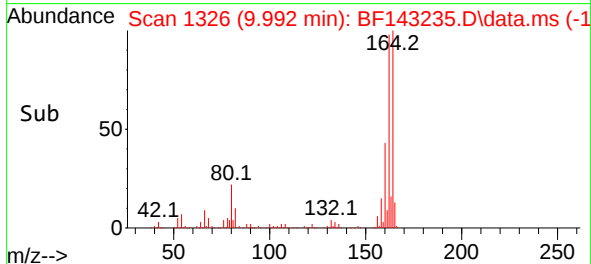
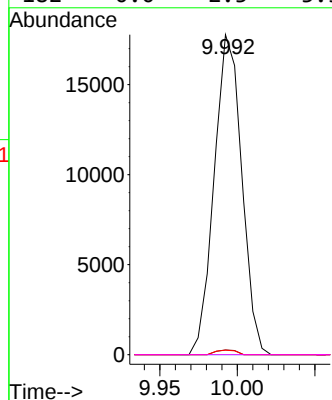
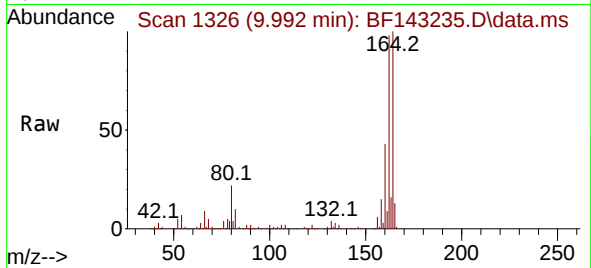




#57  
2,4-Dinitrotoluene  
Concen: 7.519 ng  
RT: 9.992 min Scan# 11  
Delta R.T. -0.182 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

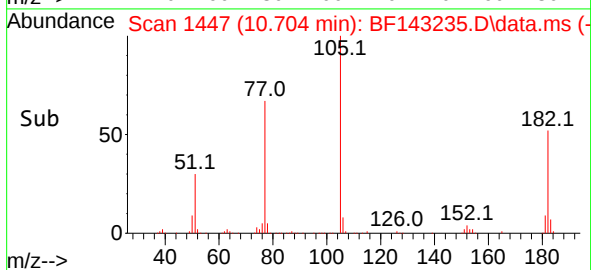
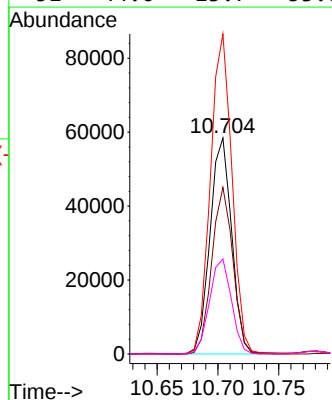
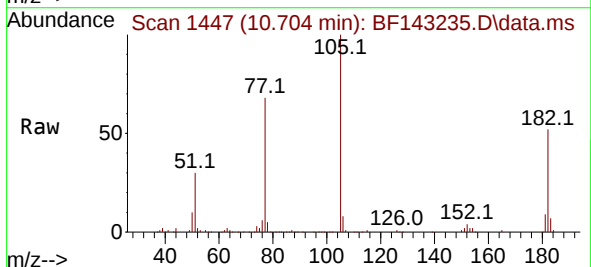
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

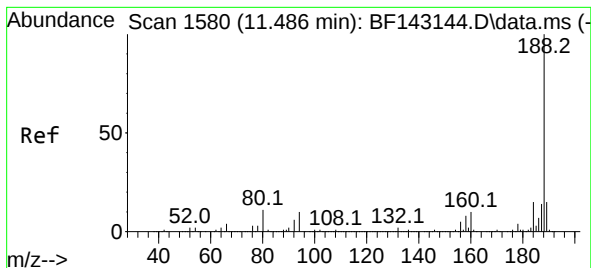
Tgt Ion:165 Resp: 21980  
Ion Ratio Lower Upper  
165 100  
63 1.5 41.0 61.4#  
89 1.4 61.1 91.7#  
182 0.0 2.3 3.5#



#63  
Azobenzene  
Concen: 6.130 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

Tgt Ion: 77 Resp: 72333  
Ion Ratio Lower Upper  
77 100  
182 77.1 4.6 44.6#  
105 148.1 1.4 41.4#  
51 44.0 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: BF143235.D

Acq: 24 Jul 2025 15:58

Instrument :

BNA\_F

ClientSampleId :

TP-1

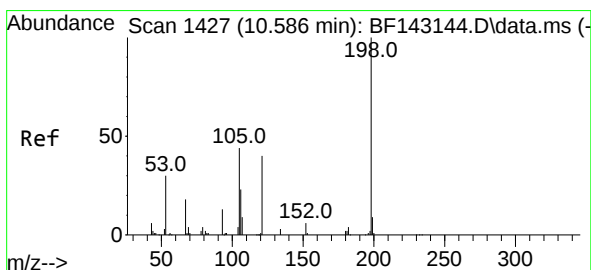
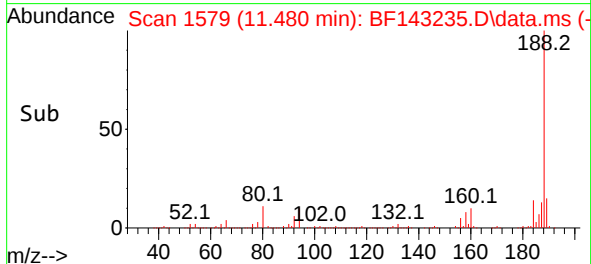
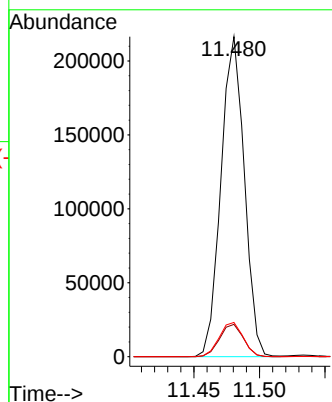
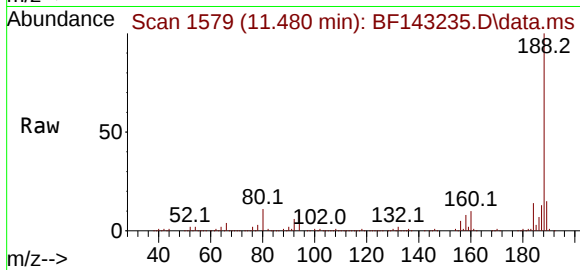
Tgt Ion:188 Resp: 267515

Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 10.7 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.562 ng

RT: 10.781 min Scan# 1460

Delta R.T. 0.194 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

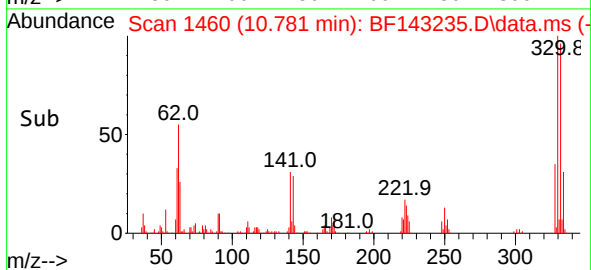
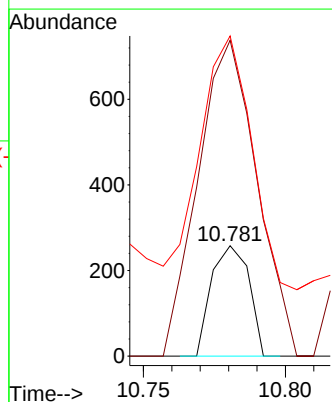
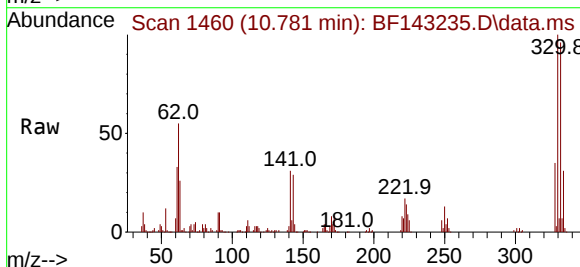
Tgt Ion:198 Resp: 237

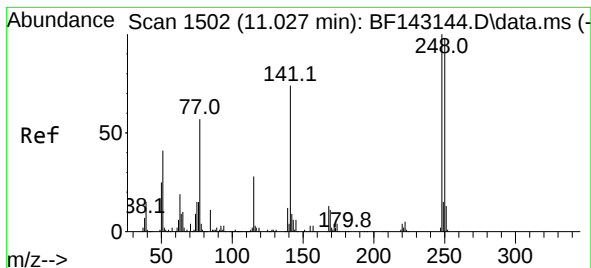
Ion Ratio Lower Upper

198 100

51 286.0 37.2 77.2#

105 289.9 24.8 64.8#

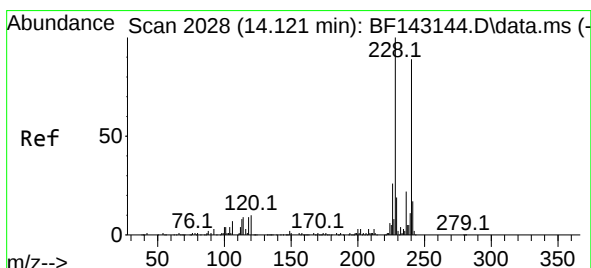
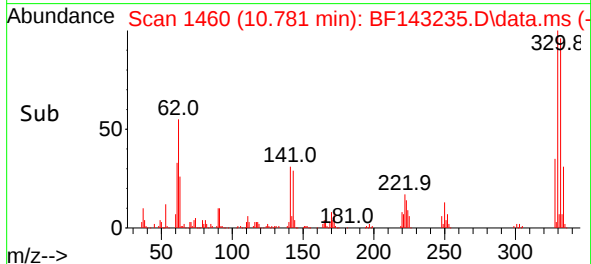
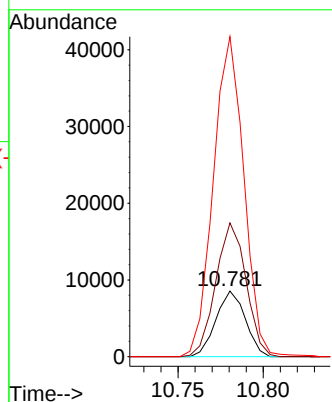
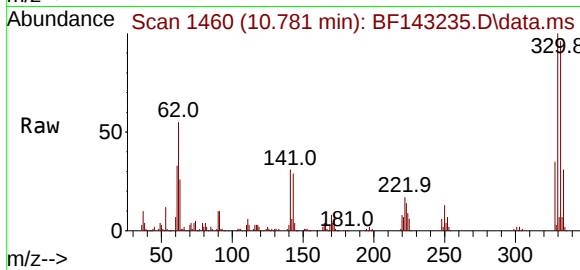




#67  
4-Bromophenyl-phenylether  
Concen: 3.221 ng  
RT: 10.781 min Scan# 1460  
Delta R.T. -0.247 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

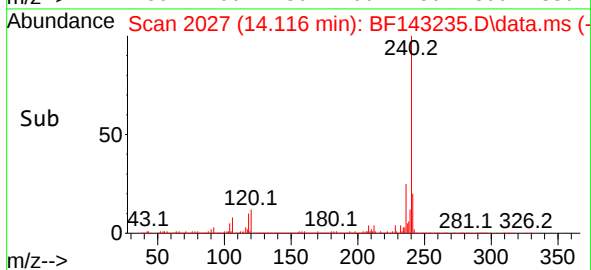
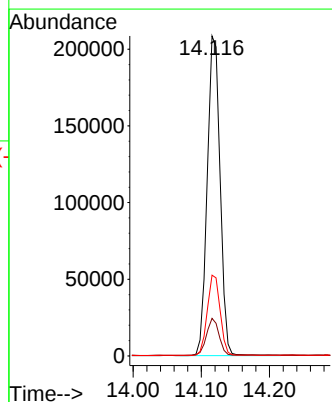
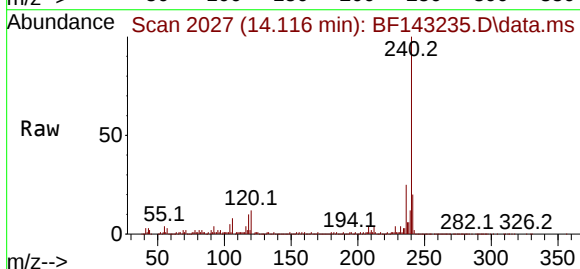
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

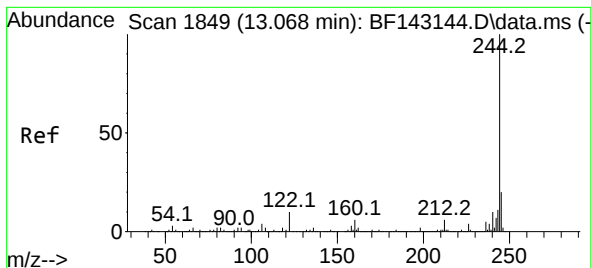
Tgt Ion:248 Resp: 10270  
Ion Ratio Lower Upper  
248 100  
250 203.7 78.3 117.5#  
141 487.4 59.2 88.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.116 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BF143235.D  
Acq: 24 Jul 2025 15:58

Tgt Ion:240 Resp: 273654  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.4 14.2  
236 25.3 20.2 30.4





#79

Terphenyl-d14

Concen: 45.425 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

Instrument :

BNA\_F

ClientSampleId :

TP-1

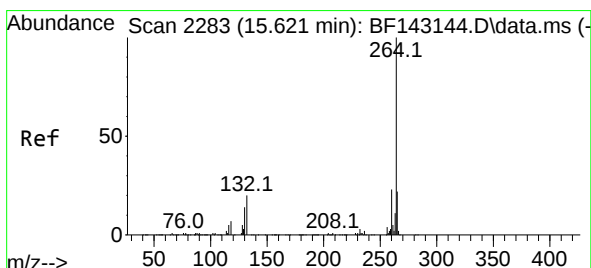
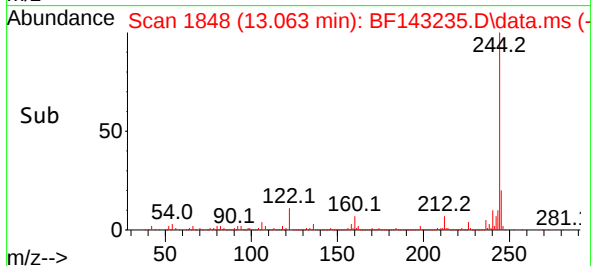
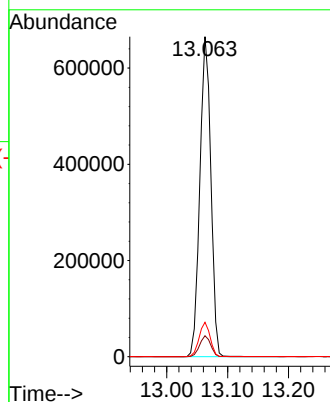
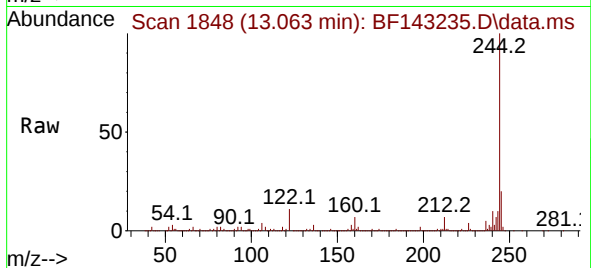
Tgt Ion:244 Resp: 835331

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143235.D

Acq: 24 Jul 2025 15:58

Tgt Ion:264 Resp: 228085

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.3 17.4 26.2

