

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020325\  
 Data File : BF141383.D  
 Acq On : 03 Feb 2025 21:44  
 Operator : RC/JU  
 Sample : Q1232-16  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-42.2-012925

Quant Time: Feb 04 00:19:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 29 17:41:25 2025  
 Response via : Initial Calibration

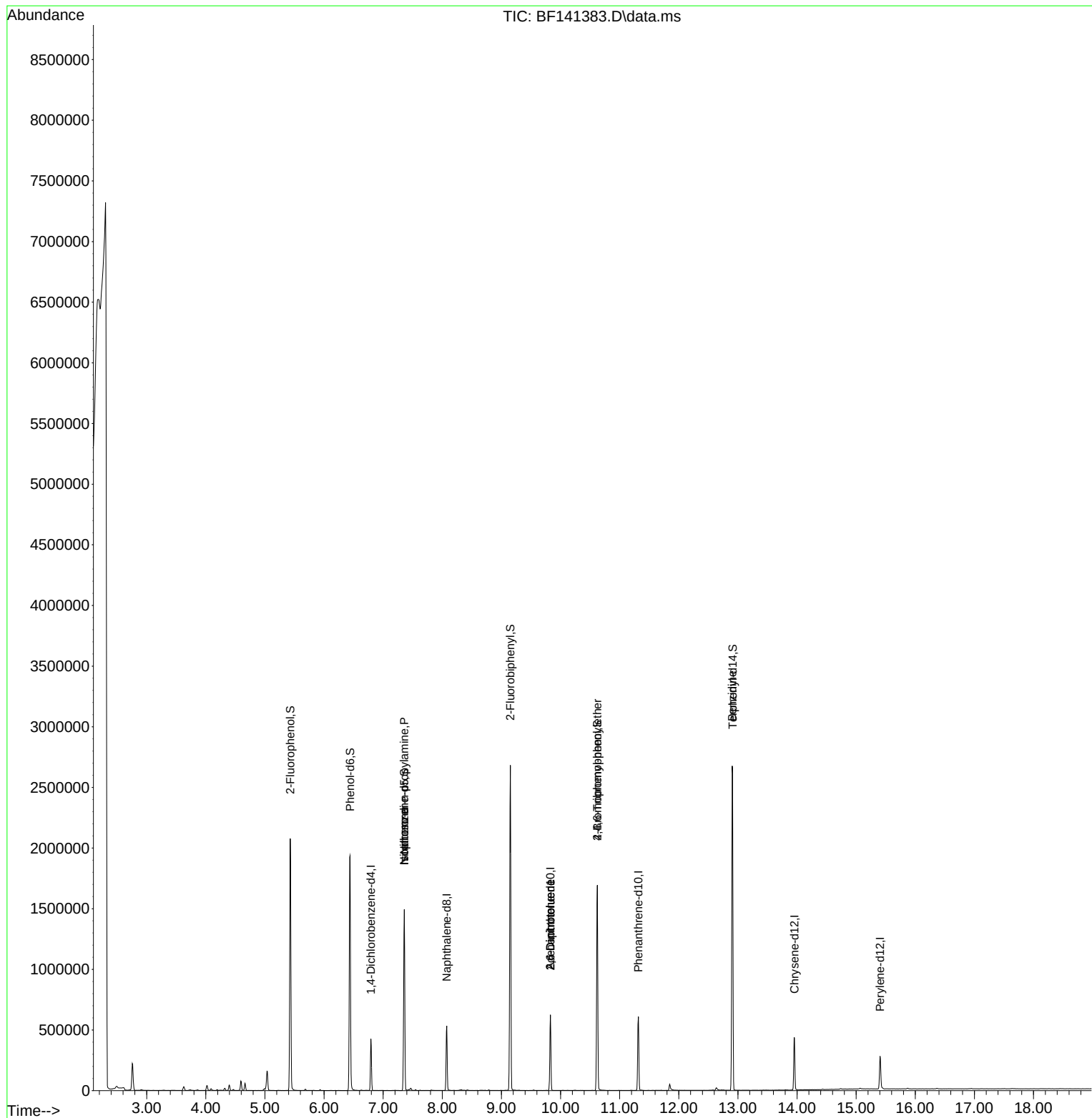
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.793  | 152  | 84155    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.075  | 136  | 336578   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 187844   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.316 | 188  | 310260   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.957 | 240  | 217689   | 20.000  | ng    | #-0.02   |
| 86) Perylene-d12              | 15.404 | 264  | 158450   | 20.000  | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 751417   | 137.078 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.440  | 99   | 911438   | 130.702 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 666335   | 104.365 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 281541   | 163.487 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1211342  | 99.257  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 1364802  | 96.687  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 91100    | 21.986  | ng    | # 76     |
| 25) Isophorone                | 7.357  | 82   | 660665   | 59.862  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.828  | 165  | 23651    | 8.029   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.828  | 165  | 23651    | 6.201   | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 19767    | 5.691   | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 18767    | 2.689   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

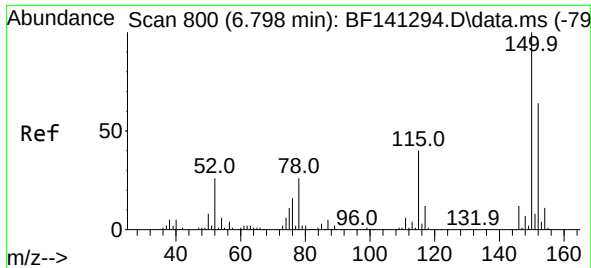
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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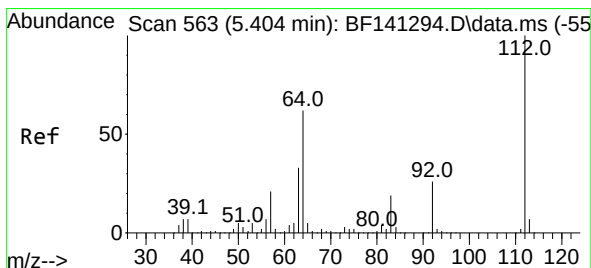
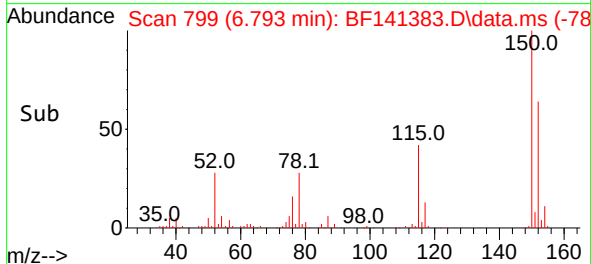
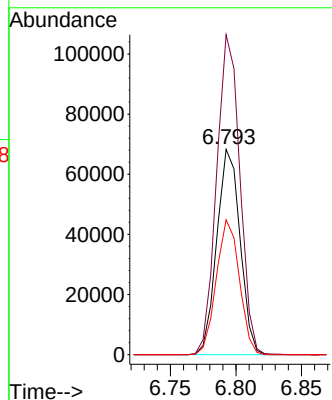
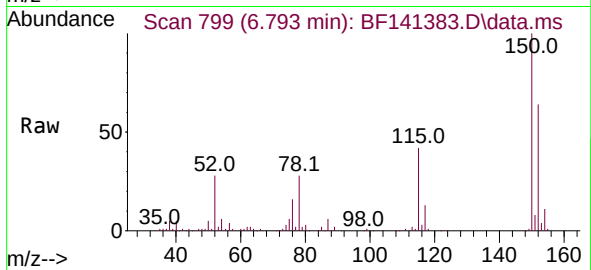




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.793 min Scan# 79  
 Delta R.T. -0.011 min  
 Lab File: BF141383.D  
 Acq: 03 Feb 2025 21:44

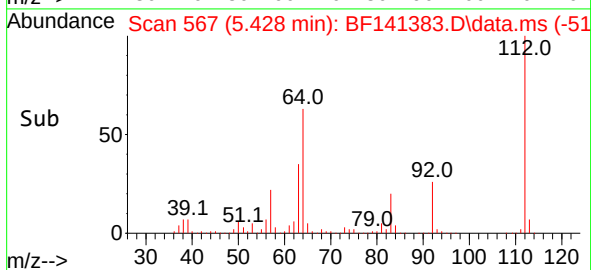
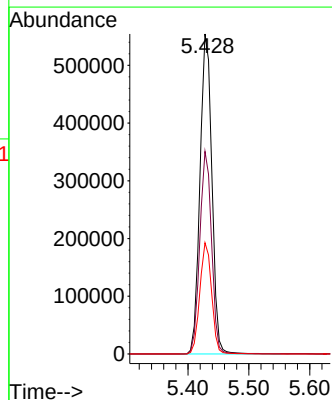
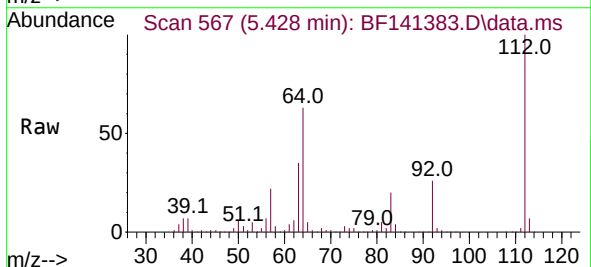
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-42.2-012925

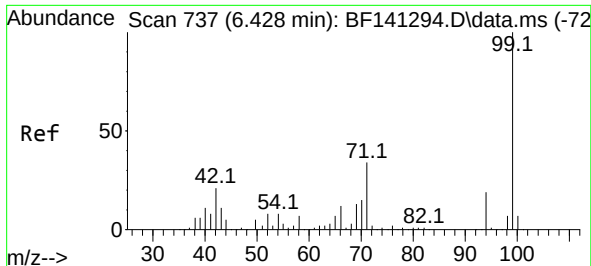
Tgt Ion:152 Resp: 84155  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 125.9 188.9  
 115 65.7 49.7 74.5



#5  
 2-Fluorophenol  
 Concen: 137.078 ng  
 RT: 5.428 min Scan# 567  
 Delta R.T. 0.018 min  
 Lab File: BF141383.D  
 Acq: 03 Feb 2025 21:44

Tgt Ion:112 Resp: 751417  
 Ion Ratio Lower Upper  
 112 100  
 64 63.3 49.8 74.8  
 63 34.7 26.1 39.1

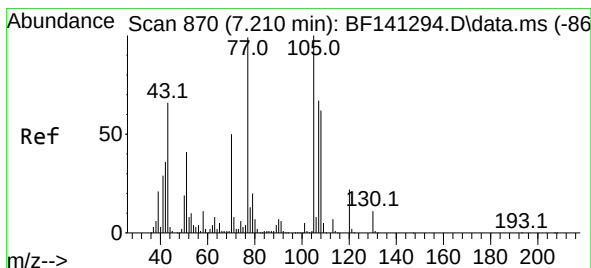
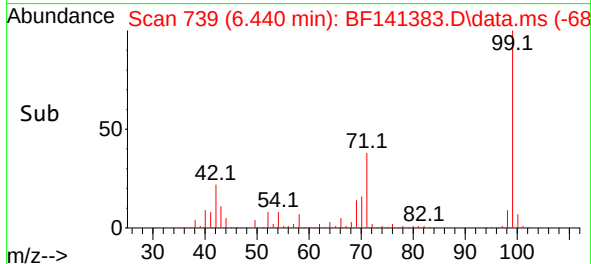
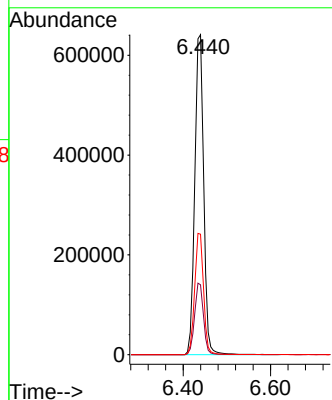
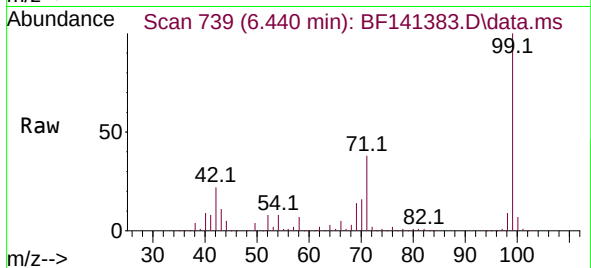




#7  
Phenol-d6  
Concen: 130.702 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141383.D  
Acq: 03 Feb 2025 21:44

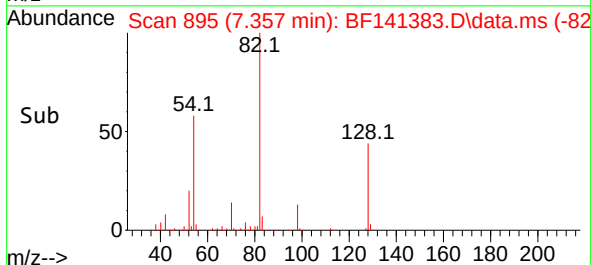
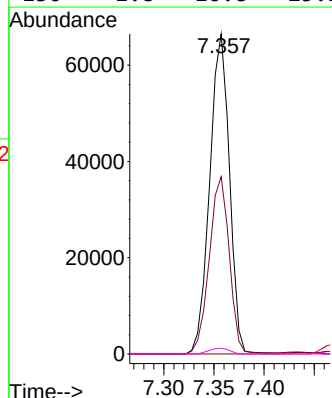
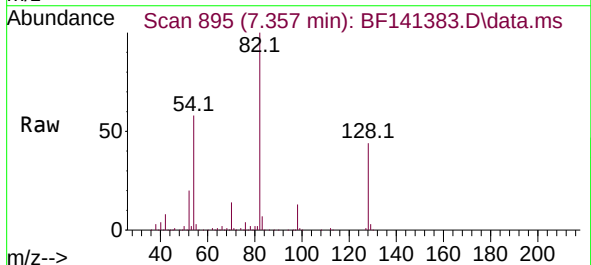
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-42.2-012925

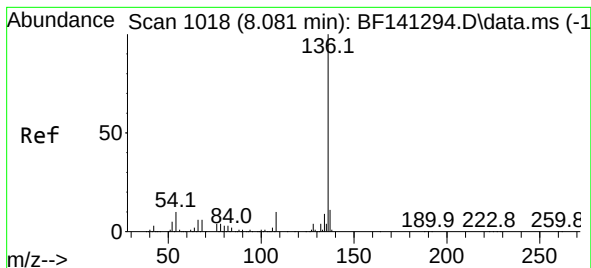
Tgt Ion: 99 Resp: 911438  
Ion Ratio Lower Upper  
99 100  
42 21.9 17.1 25.7  
71 37.6 26.9 40.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.986 ng  
RT: 7.357 min Scan# 895  
Delta R.T. 0.129 min  
Lab File: BF141383.D  
Acq: 03 Feb 2025 21:44

Tgt Ion: 70 Resp: 91100  
Ion Ratio Lower Upper  
70 100  
42 55.4 56.8 85.2#  
101 0.0 7.7 11.5#  
130 1.8 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA\_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion:136 Resp: 336578

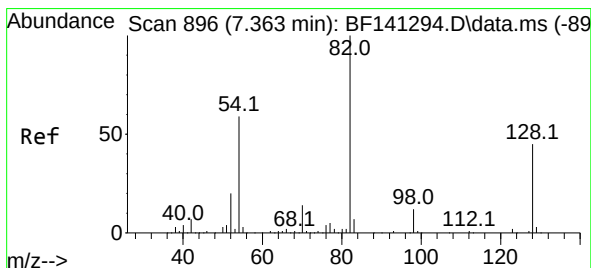
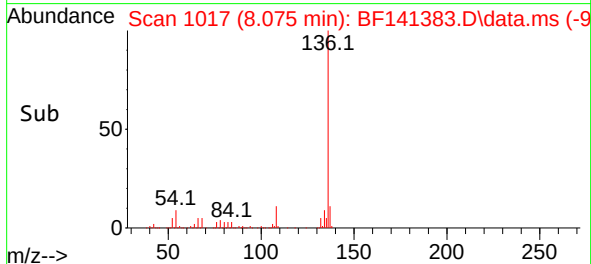
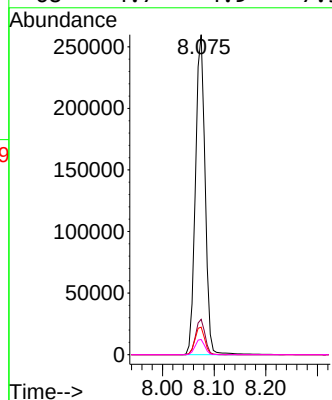
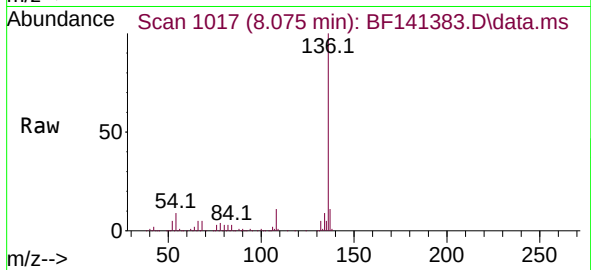
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 8.6 7.8 11.8

68 4.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 104.365 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

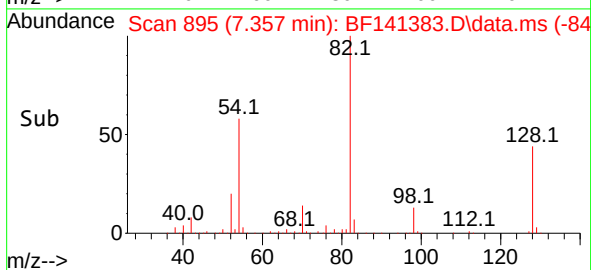
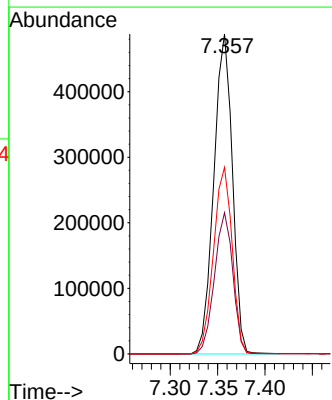
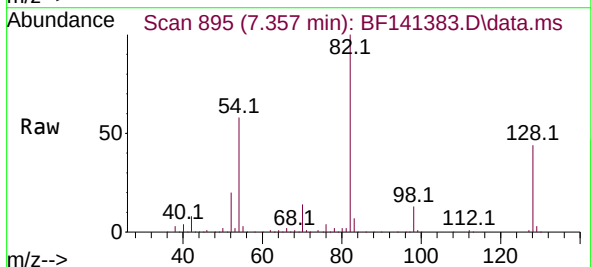
Tgt Ion: 82 Resp: 666335

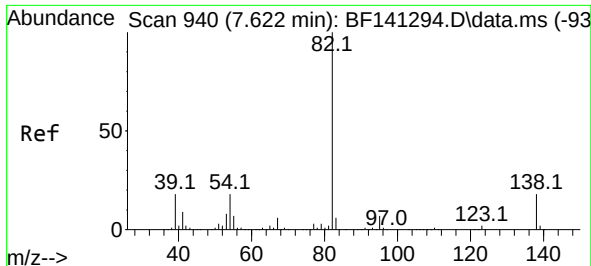
Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 58.3 47.1 70.7

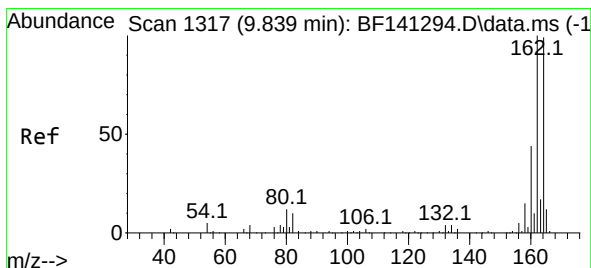
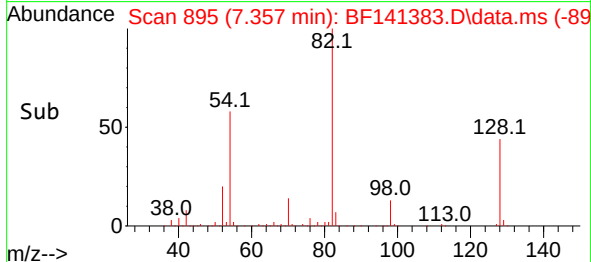
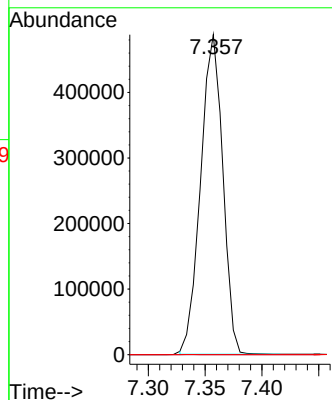
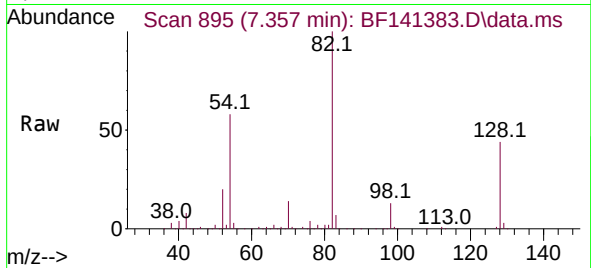




#25  
Isophorone  
Concen: 59.862 ng  
RT: 7.357 min Scan# 89  
Delta R.T. -0.271 min  
Lab File: BF141383.D  
Acq: 03 Feb 2025 21:44

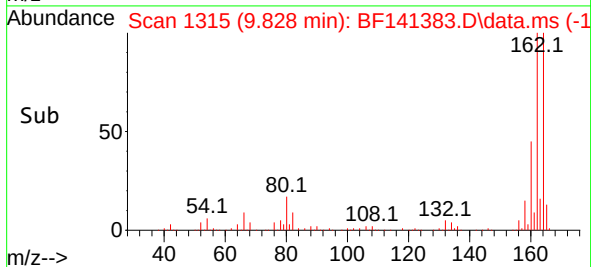
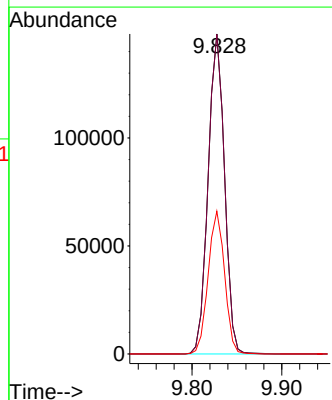
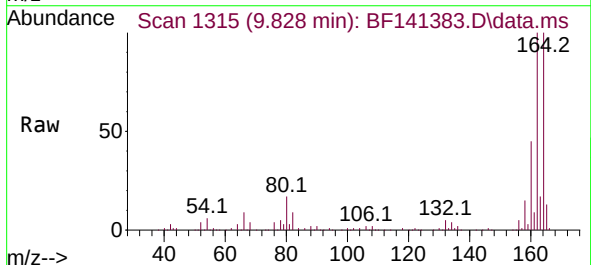
Instrument :  
BNA\_F  
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JPP-42.2-012925

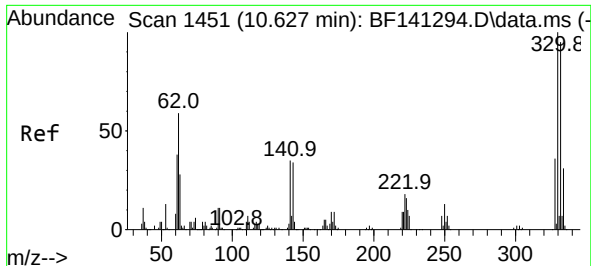
Tgt Ion: 82 Resp: 660665  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.7 22.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF141383.D  
Acq: 03 Feb 2025 21:44

Tgt Ion:164 Resp: 187844  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.6 121.0  
160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 163.487 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141383.D

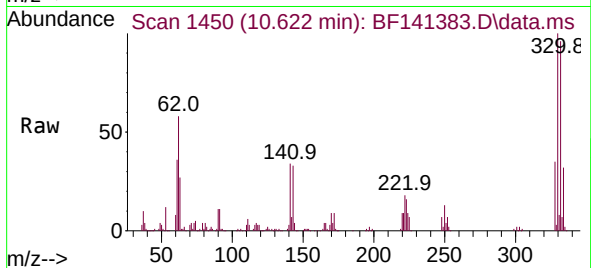
Acq: 03 Feb 2025 21:44

Instrument :

BNA\_F

ClientSampleId :

JPP-42.2-012925



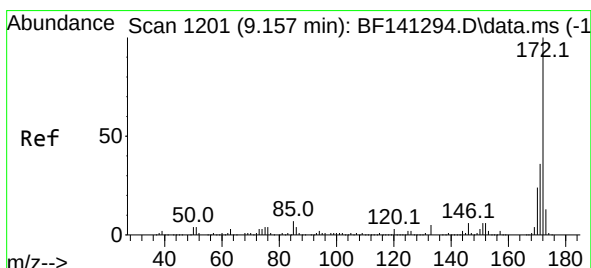
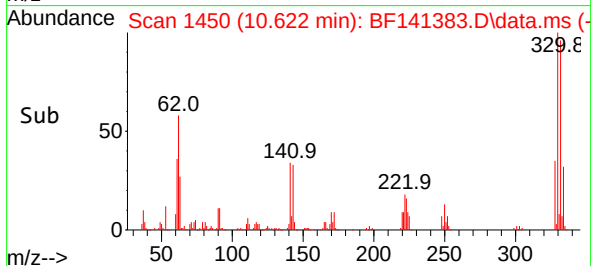
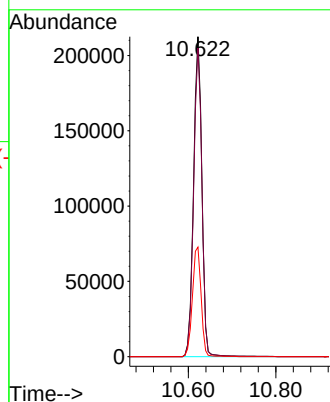
Tgt Ion:330 Resp: 281541

Ion Ratio Lower Upper

330 100

332 96.1 76.1 114.1

141 35.9 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 99.257 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

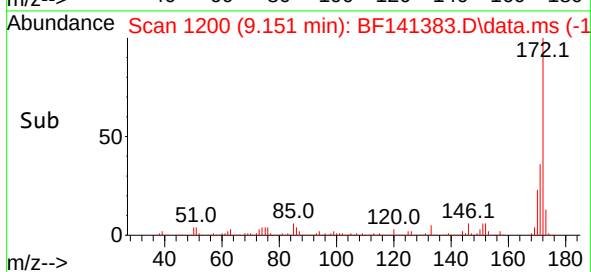
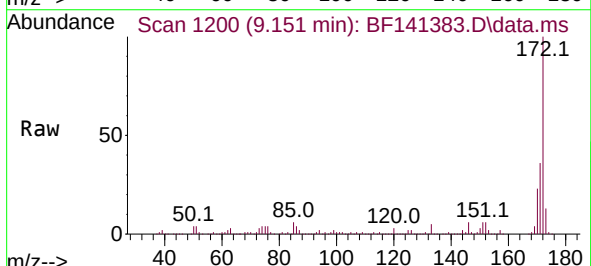
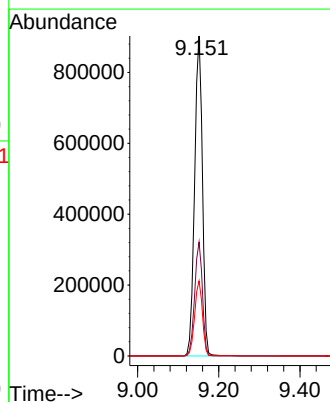
Tgt Ion:172 Resp: 1211342

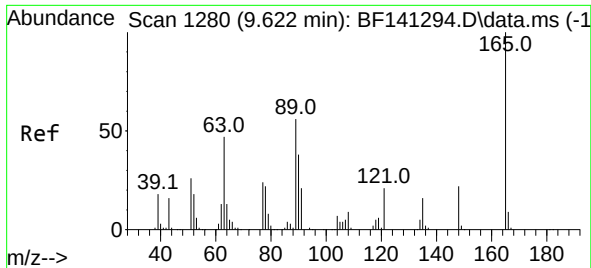
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.029 ng

RT: 9.828 min Scan# 1315

Delta R.T. 0.200 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA\_F

ClientSampleId :

JPP-42.2-012925

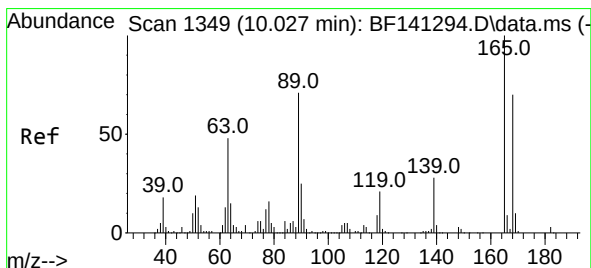
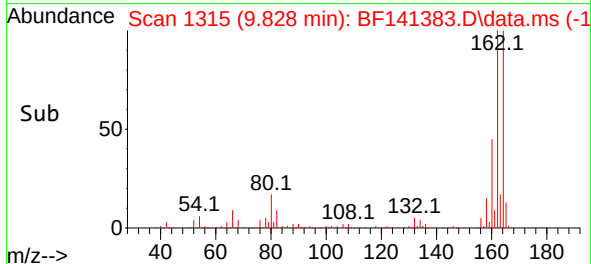
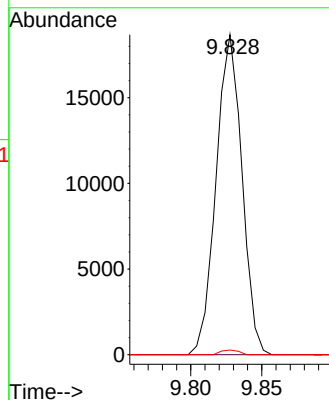
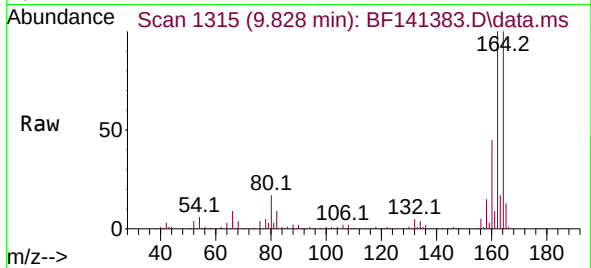
Tgt Ion:165 Resp: 23651

Ion Ratio Lower Upper

165 100

63 0.0 48.1 72.1#

89 1.4 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.201 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.206 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Tgt Ion:165 Resp: 23651

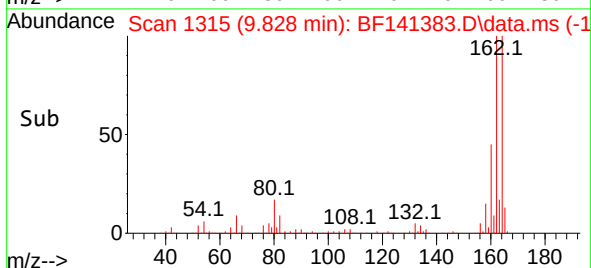
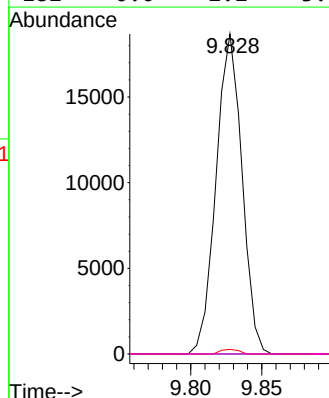
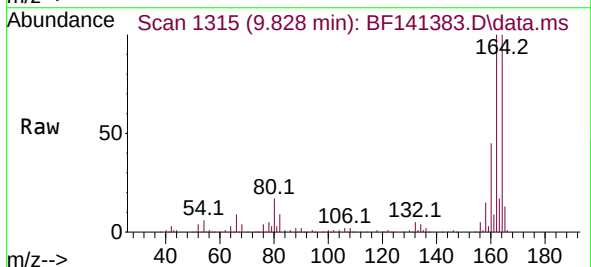
Ion Ratio Lower Upper

165 100

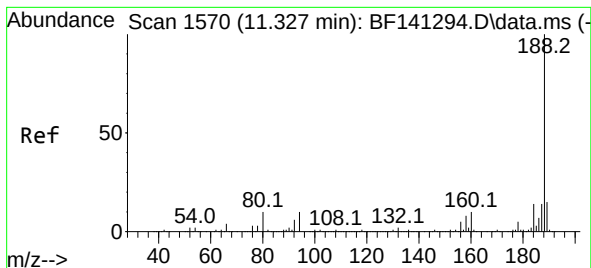
63 0.0 39.2 58.8#

89 1.4 56.9 85.3#

182 0.0 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA\_F

ClientSampleId :

JPP-42.2-012925

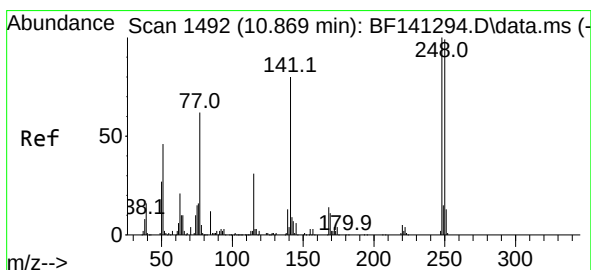
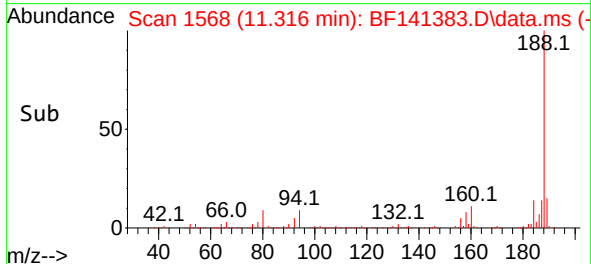
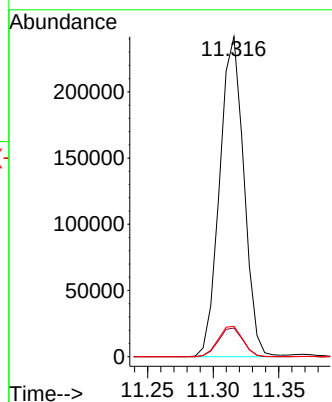
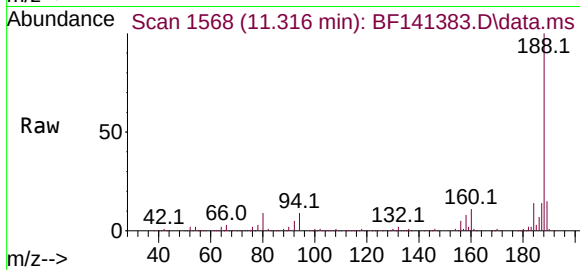
Tgt Ion:188 Resp: 310260

Ion Ratio Lower Upper

188 100

94 9.0 7.8 11.6

80 9.5 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 5.691 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

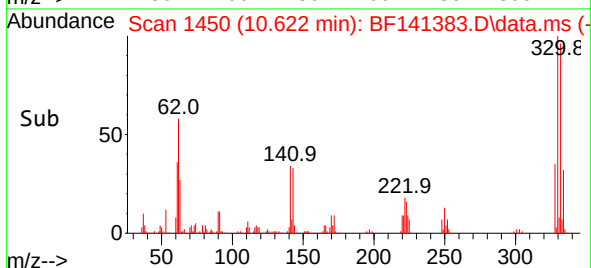
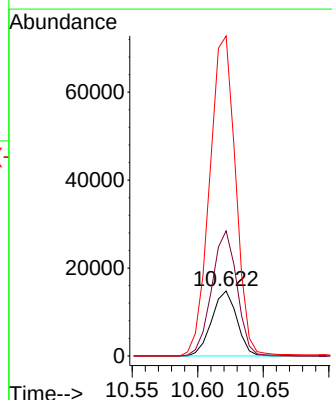
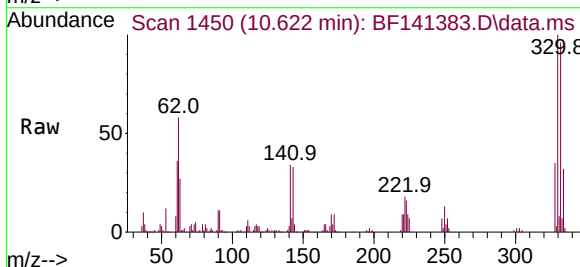
Tgt Ion:248 Resp: 19767

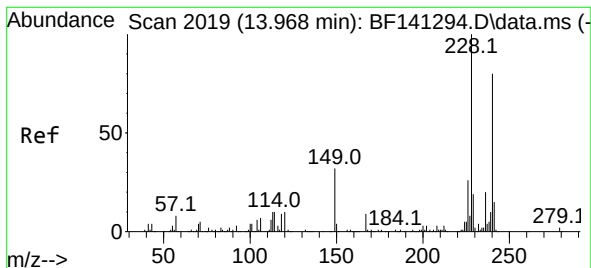
Ion Ratio Lower Upper

248 100

250 192.6 79.0 118.4#

141 492.5 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

Instrument :

BNA\_F

ClientSampleId :

JPP-42.2-012925

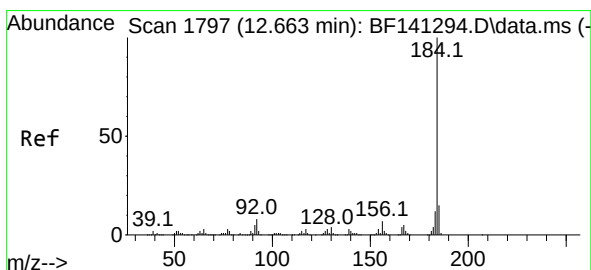
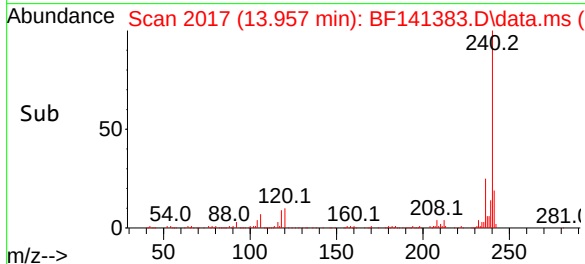
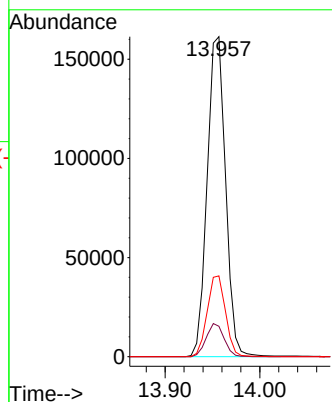
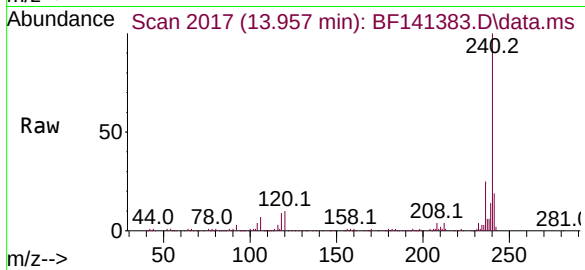
Tgt Ion:240 Resp: 217689

Ion Ratio Lower Upper

240 100

120 9.5 10.0 15.0#

236 25.3 19.7 29.5



#77

Benzidine

Concen: 2.689 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF141383.D

Acq: 03 Feb 2025 21:44

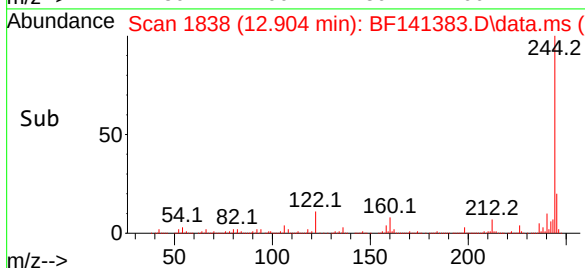
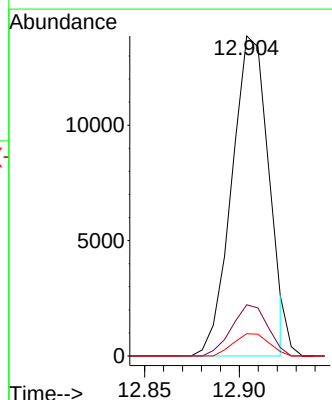
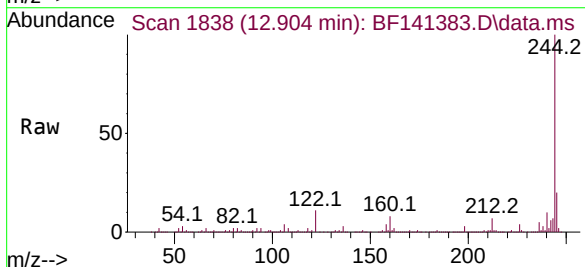
Tgt Ion:184 Resp: 18767

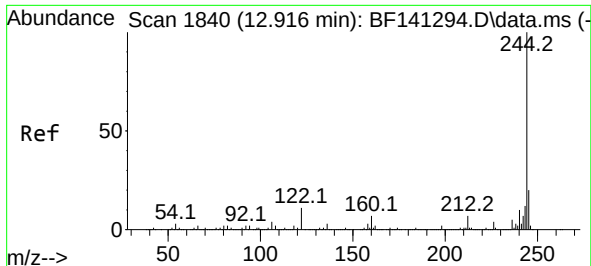
Ion Ratio Lower Upper

184 100

185 16.0 11.9 17.9

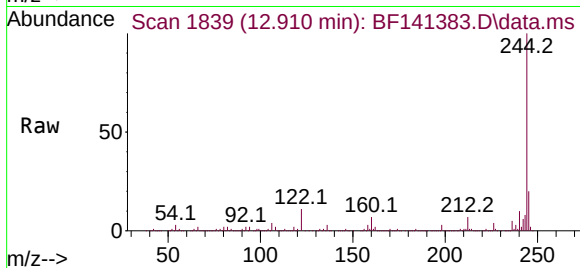
183 7.0 9.5 14.3#



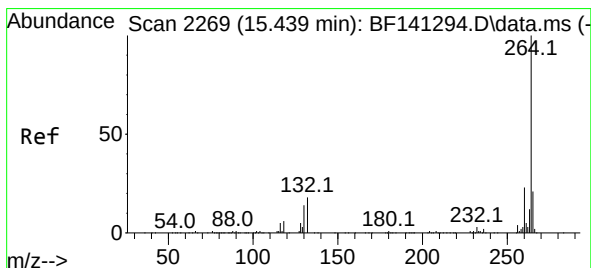
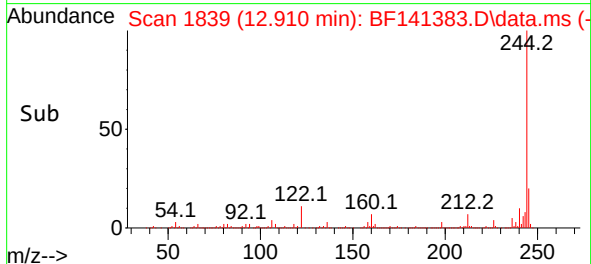
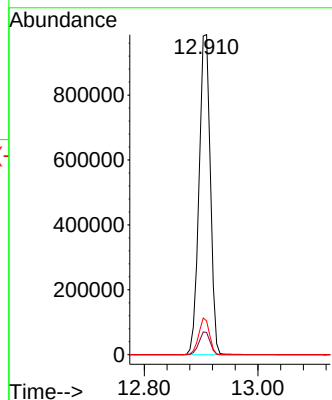


#79  
 Terphenyl-d14  
 Concen: 96.687 ng  
 RT: 12.910 min Scan# 1839  
 Delta R.T. -0.006 min  
 Lab File: BF141383.D  
 Acq: 03 Feb 2025 21:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-42.2-012925



Tgt Ion:244 Resp: 1364802  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 10.6 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.404 min Scan# 2263  
 Delta R.T. -0.035 min  
 Lab File: BF141383.D  
 Acq: 03 Feb 2025 21:44

Tgt Ion:264 Resp: 158450  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.6 27.8  
 265 21.0 16.7 25.1

