

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011725\  
 Data File : BF141200.D  
 Acq On : 17 Jan 2025 18:33  
 Operator : RC/JU  
 Sample : Q1115-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-214

Quant Time: Jan 17 23:11:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

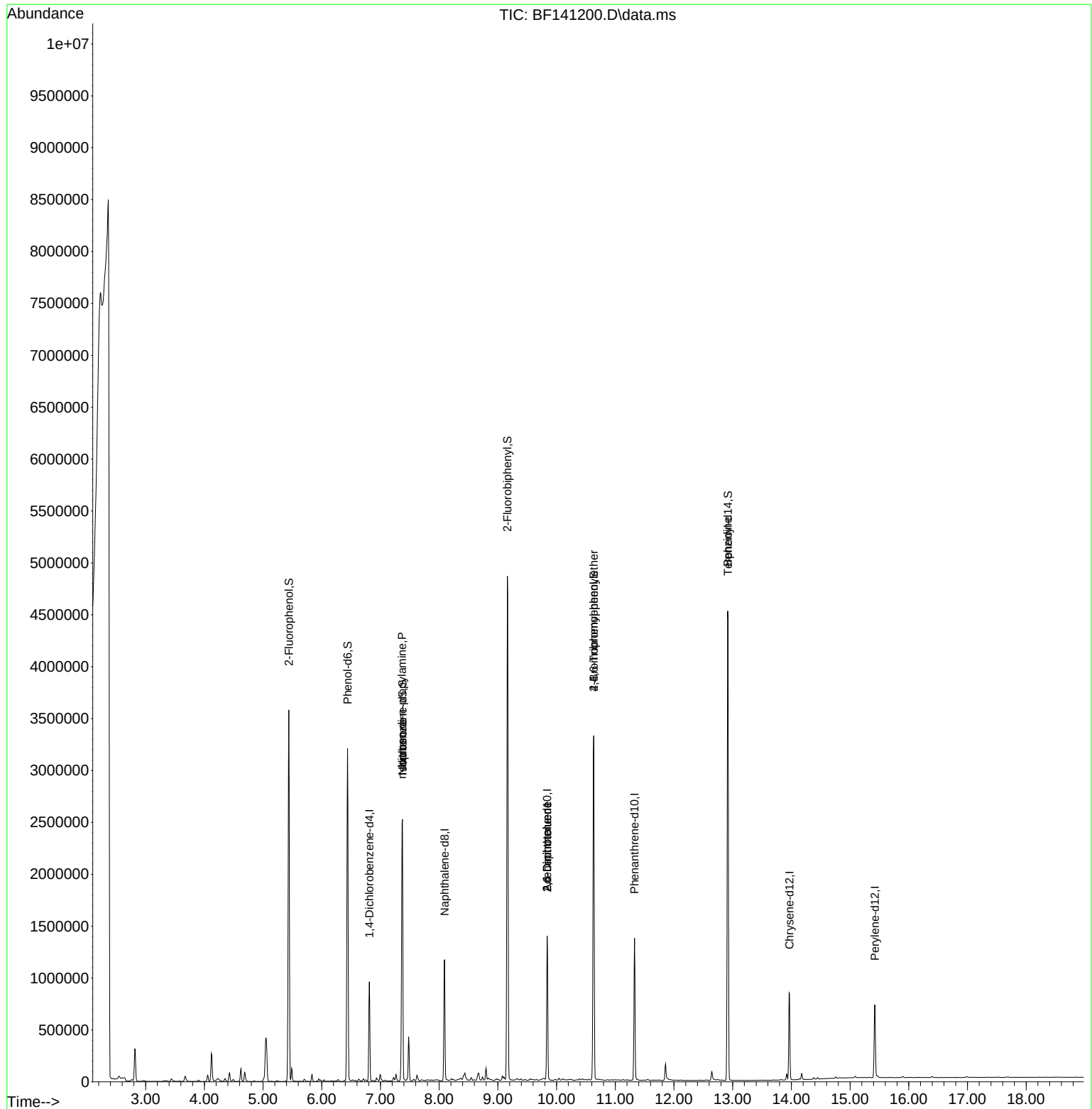
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 194466   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.092  | 136  | 776667   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.839  | 164  | 415381   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.327 | 188  | 680401   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 13.968 | 240  | 415705   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.421 | 264  | 400012   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1439694  | 114.367 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.439  | 99   | 1623244  | 101.797 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1272238  | 86.832  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 666531   | 140.827 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 2319928  | 85.286  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.921 | 244  | 2365443  | 84.574  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 175046   | 18.635  | ng    | # 77     |
| 25) Isophorone                | 7.375  | 82   | 1265401  | 50.537  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.839  | 165  | 54280    | 8.370   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.839  | 165  | 54280    | 6.495   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.633 | 248  | 41034    | 5.238   | ng    | # 1      |
| 77) Benzidine                 | 12.916 | 184  | 30355    | 3.938   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

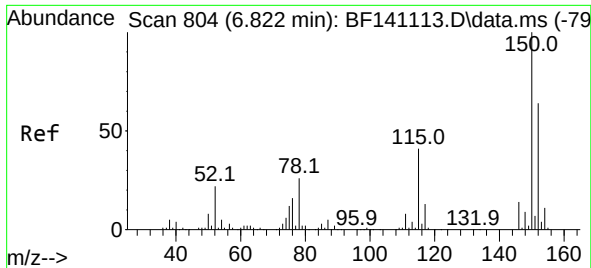
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011725\  
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Quant Time: Jan 17 23:11:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

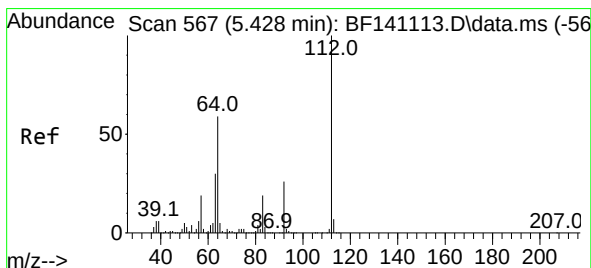
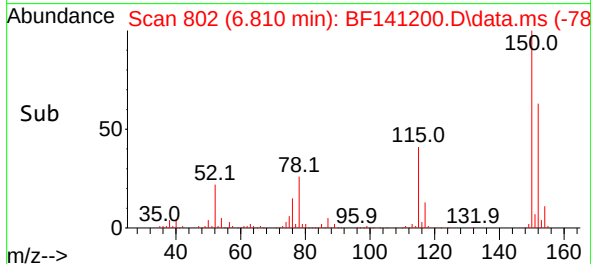
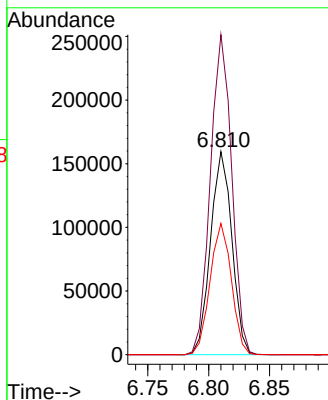
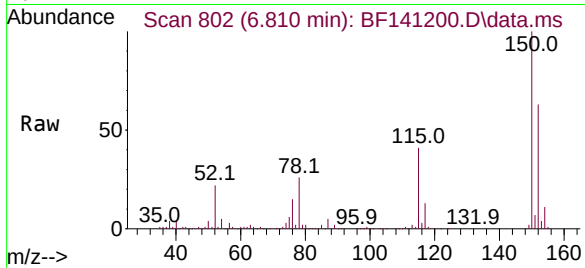




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 804  
Delta R.T. -0.012 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

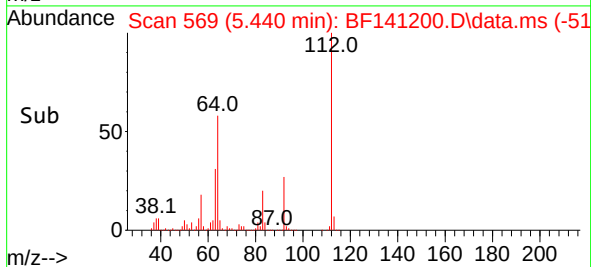
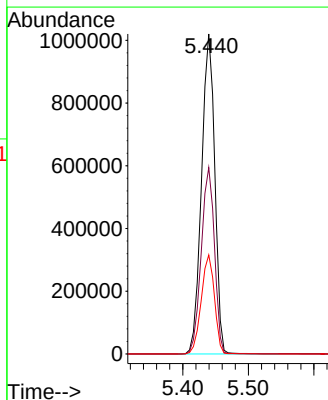
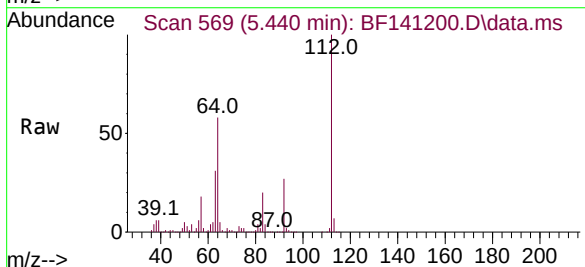
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BNA\_F  
ClientSampleId :  
VNJ-214

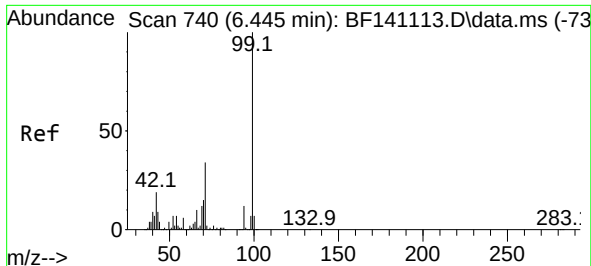
Tgt Ion:152 Resp: 194466  
Ion Ratio Lower Upper  
152 100  
150 157.6 125.8 188.8  
115 64.6 51.4 77.2



#5  
2-Fluorophenol  
Concen: 114.367 ng  
RT: 5.440 min Scan# 569  
Delta R.T. 0.012 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

Tgt Ion:112 Resp: 1439694  
Ion Ratio Lower Upper  
112 100  
64 58.3 47.3 70.9  
63 30.9 24.2 36.2





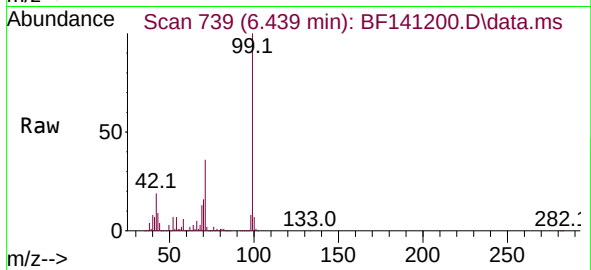
#7  
Phenol-d6  
Concen: 101.797 ng  
RT: 6.439 min Scan# 714  
Delta R.T. -0.006 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

Instrument :

BNA\_F

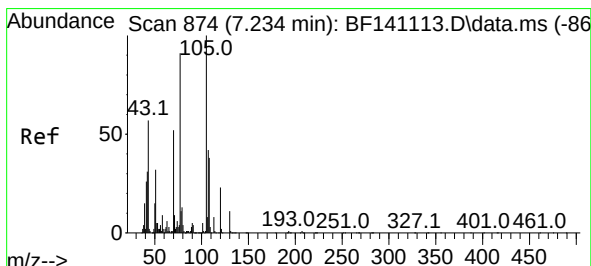
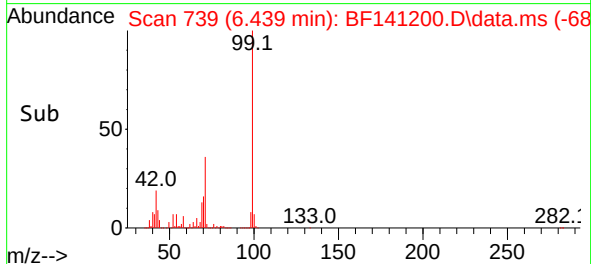
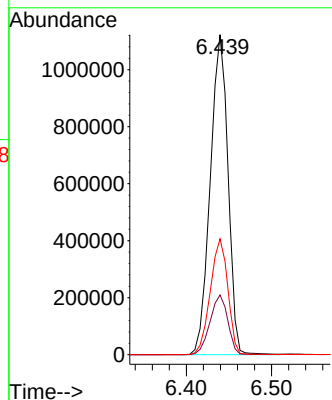
ClientSampleId :

VNJ-214



Tgt Ion: 99 Resp: 1623244

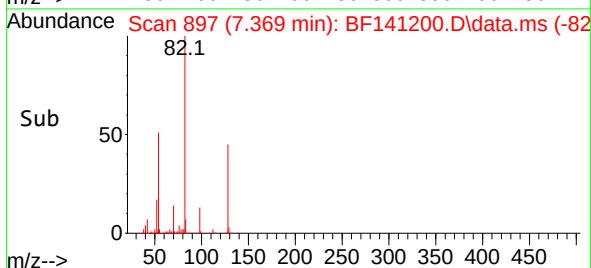
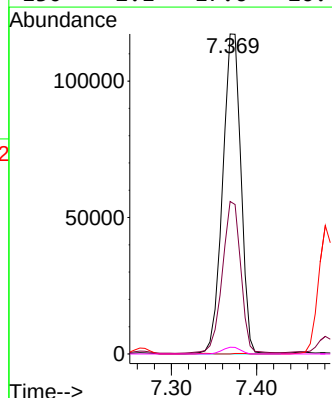
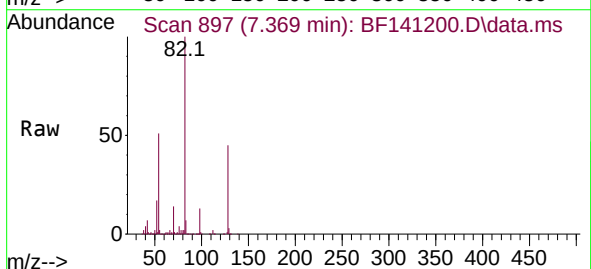
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.7  | 15.0  | 22.4  |
| 71  | 36.2  | 27.6  | 41.4  |

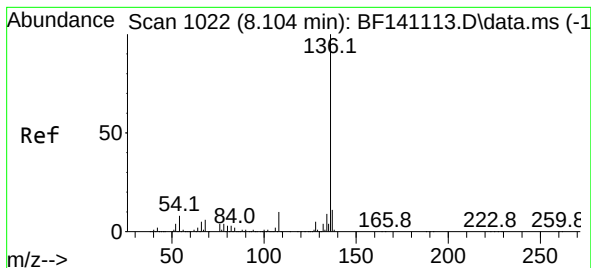


#19  
n-Nitroso-di-n-propylamine  
Concen: 18.635 ng  
RT: 7.369 min Scan# 897  
Delta R.T. 0.135 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

Tgt Ion: 70 Resp: 175046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.6  | 47.8  | 71.6# |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 2.1   | 17.6  | 26.4# |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

Instrument :

BNA\_F

ClientSampleId :

VNJ-214

Tgt Ion:136 Resp: 776667

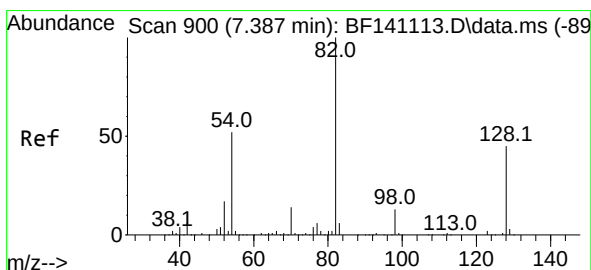
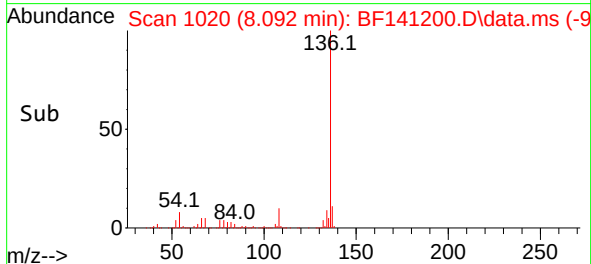
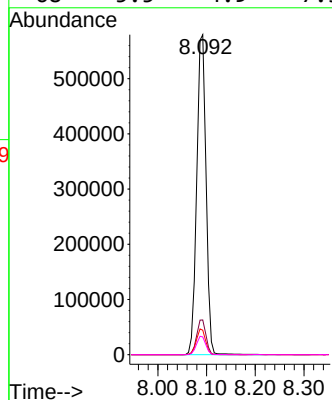
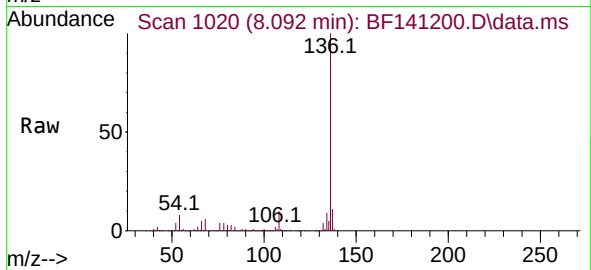
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.6 6.3 9.5

68 5.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 86.832 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

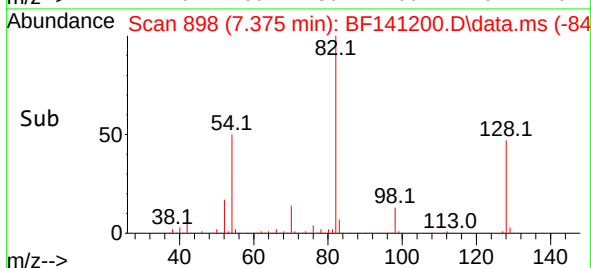
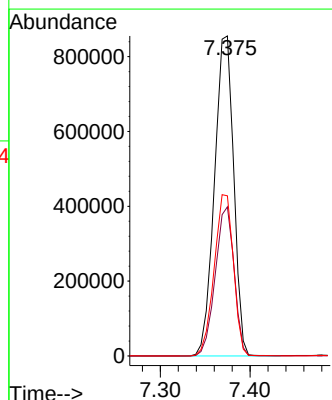
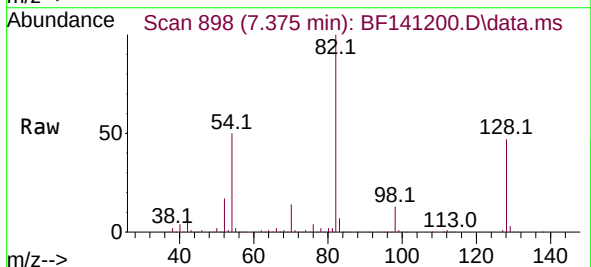
Tgt Ion: 82 Resp: 1272238

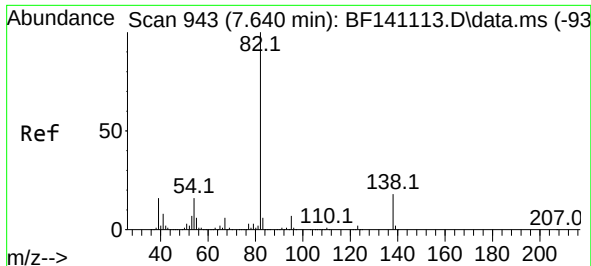
Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

54 50.1 41.0 61.4

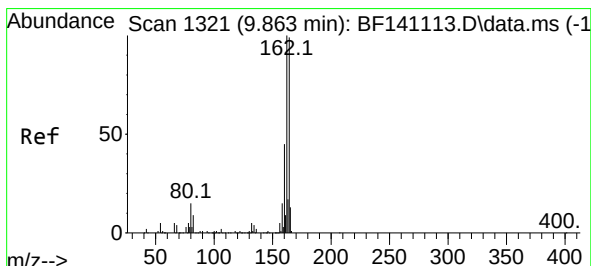
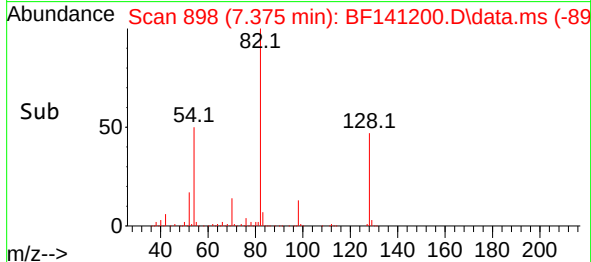
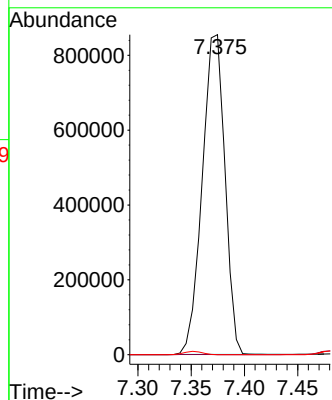
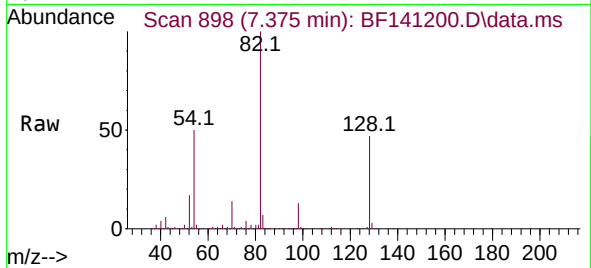




#25  
Isophorone  
Concen: 50.537 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.265 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

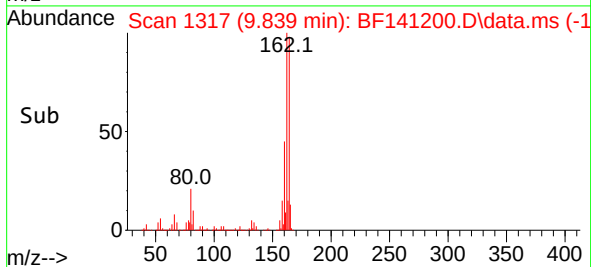
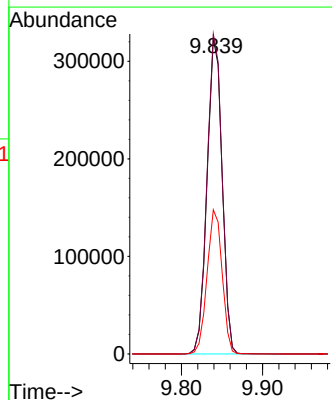
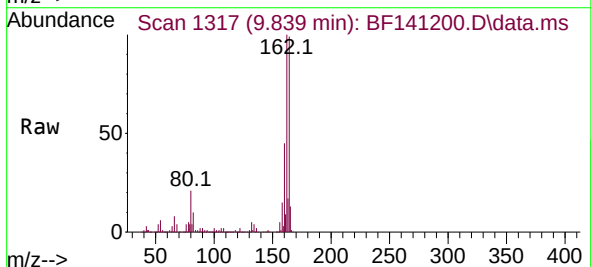
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-214

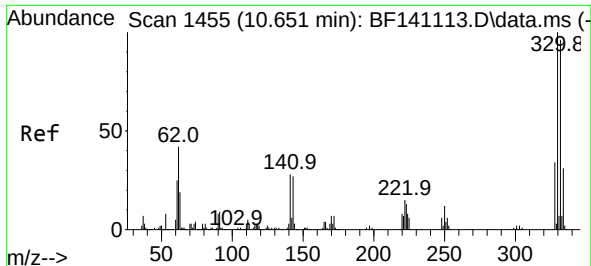
Tgt Ion: 82 Resp: 1265401  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.839 min Scan# 1317  
Delta R.T. -0.024 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

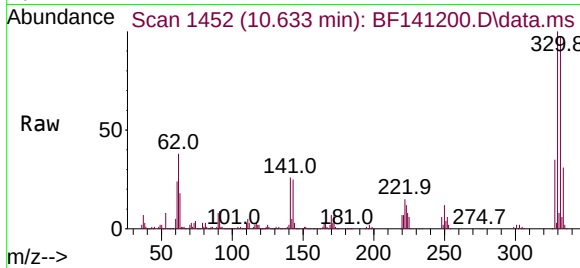
Tgt Ion:164 Resp: 415381  
Ion Ratio Lower Upper  
164 100  
162 101.4 81.0 121.4  
160 45.7 36.1 54.1



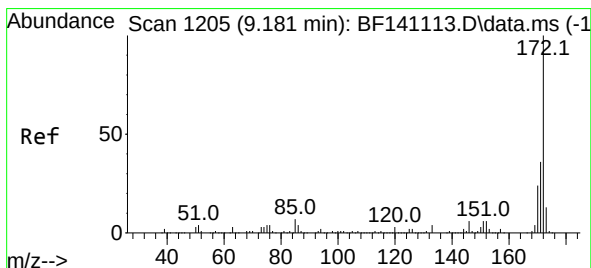
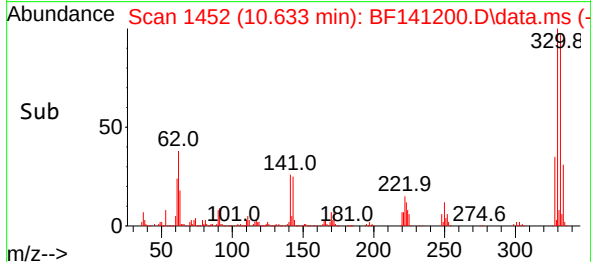
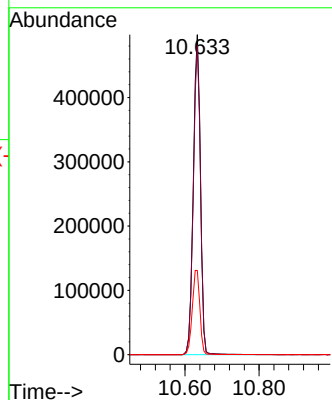


#42  
 2,4,6-Tribromophenol  
 Concen: 140.827 ng  
 RT: 10.633 min Scan# 1455  
 Delta R.T. -0.018 min  
 Lab File: BF141200.D  
 Acq: 17 Jan 2025 18:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-214

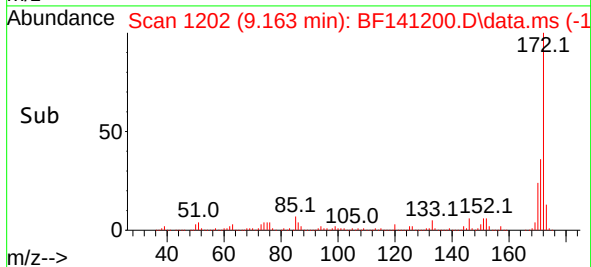
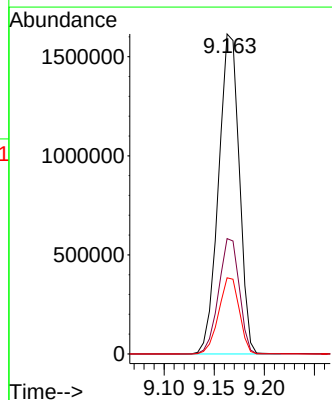
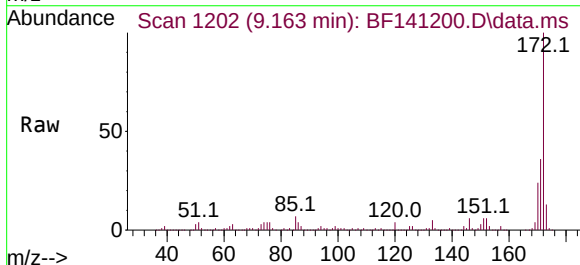


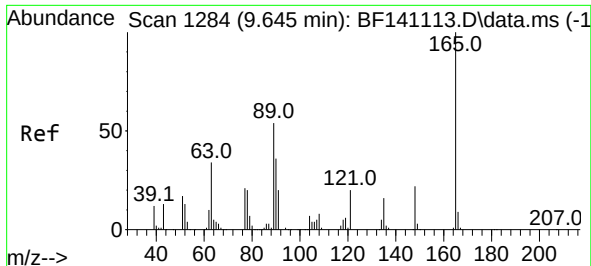
Tgt Ion:330 Resp: 666531  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.9 115.3  
 141 28.1 25.2 37.8



#45  
 2-Fluorobiphenyl  
 Concen: 85.286 ng  
 RT: 9.163 min Scan# 1202  
 Delta R.T. -0.018 min  
 Lab File: BF141200.D  
 Acq: 17 Jan 2025 18:33

Tgt Ion:172 Resp: 2319928  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.7 43.1  
 170 23.8 19.0 28.6

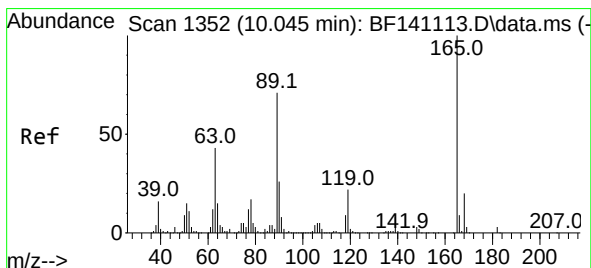
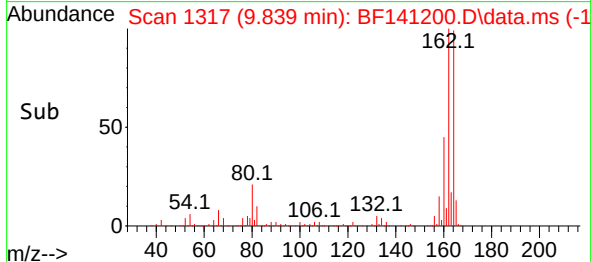
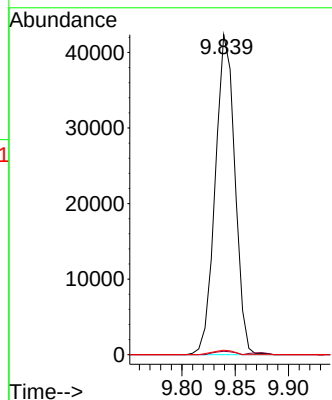
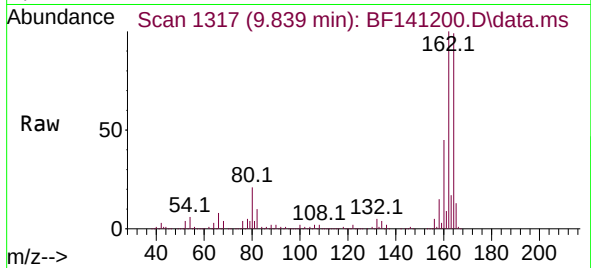




#51  
2,6-Dinitrotoluene  
Concen: 8.370 ng  
RT: 9.839 min Scan# 11  
Delta R.T. 0.194 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

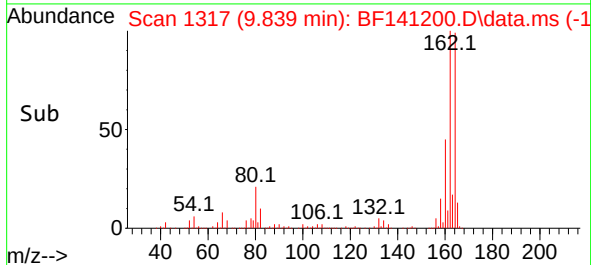
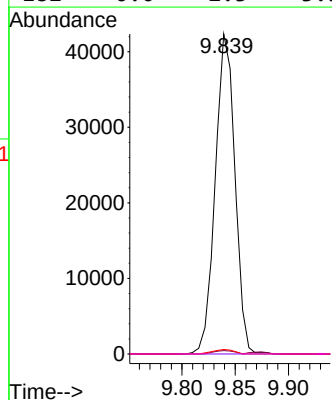
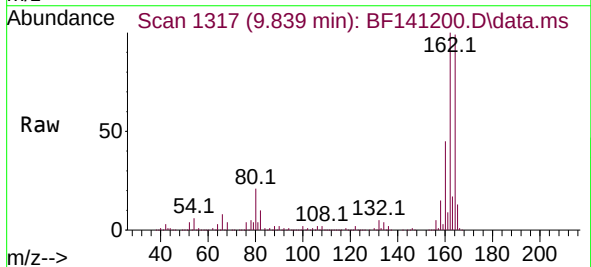
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-214

Tgt Ion:165 Resp: 54280  
Ion Ratio Lower Upper  
165 100  
63 1.1 42.3 63.5#  
89 1.4 43.1 64.7#

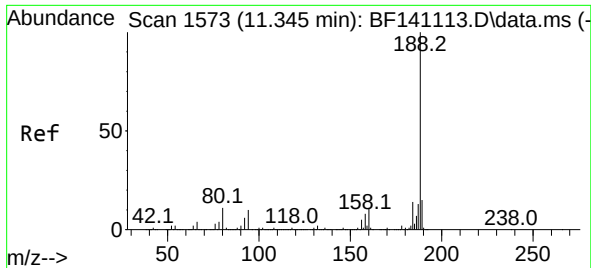


#57  
2,4-Dinitrotoluene  
Concen: 6.495 ng  
RT: 9.839 min Scan# 1317  
Delta R.T. -0.206 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

Tgt Ion:165 Resp: 54280  
Ion Ratio Lower Upper  
165 100  
63 1.1 35.0 52.4#  
89 1.4 56.7 85.1#  
182 0.0 2.3 3.5#



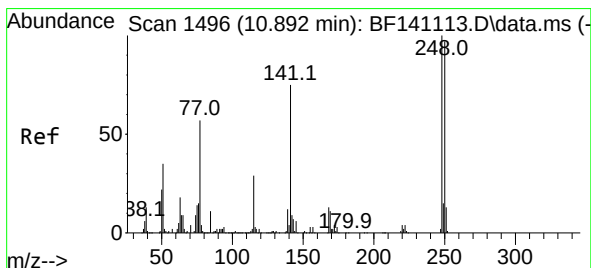
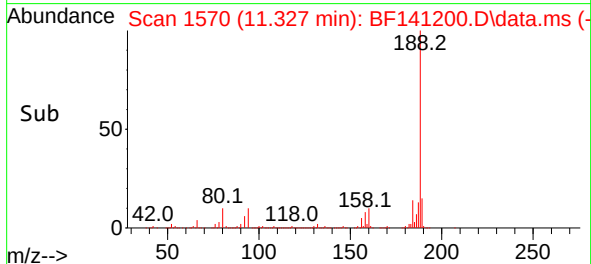
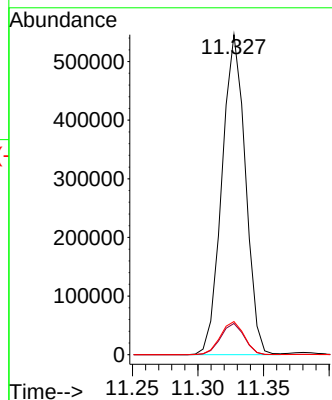
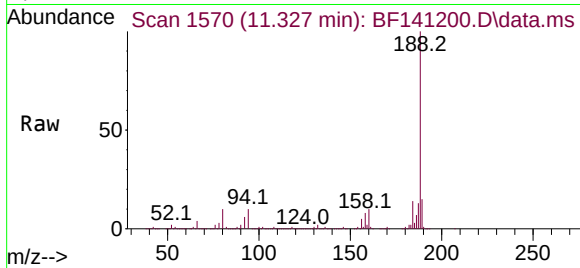




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.327 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

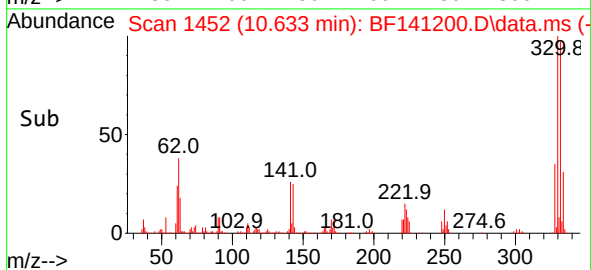
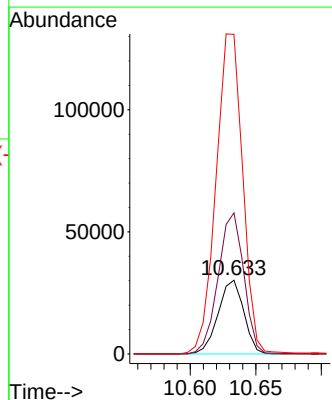
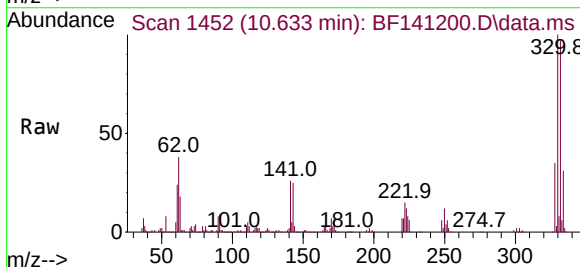
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-214

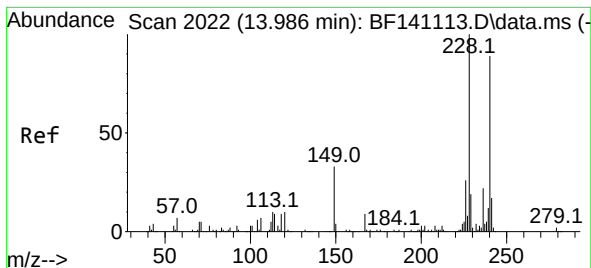
Tgt Ion:188 Resp: 680401  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.3 12.5  
80 10.4 9.0 13.4



#67  
4-Bromophenyl-phenylether  
Concen: 5.238 ng  
RT: 10.633 min Scan# 1452  
Delta R.T. -0.259 min  
Lab File: BF141200.D  
Acq: 17 Jan 2025 18:33

Tgt Ion:248 Resp: 41034  
Ion Ratio Lower Upper  
248 100  
250 191.3 77.9 116.9#  
141 433.1 59.9 89.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

Instrument :

BNA\_F

ClientSampleId :

VNJ-214

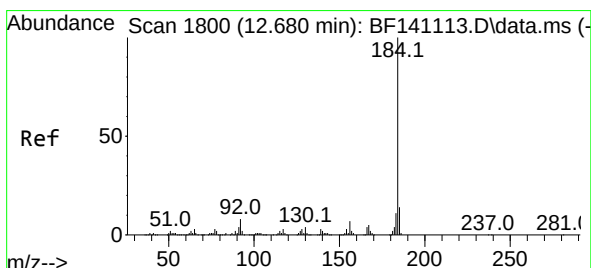
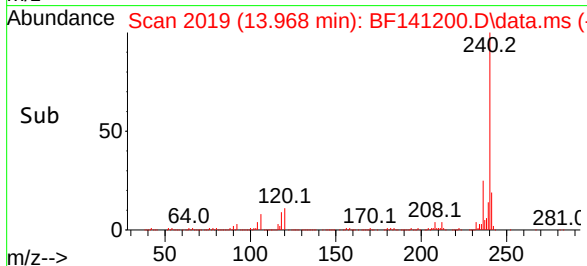
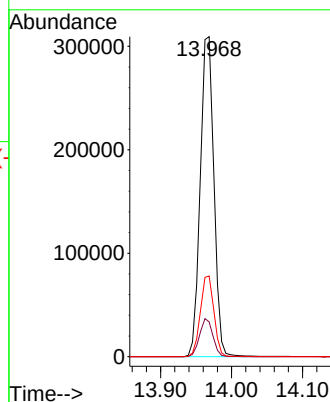
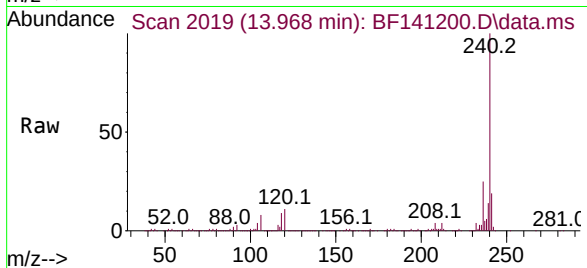
Tgt Ion:240 Resp: 415705

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

236 25.2 19.8 29.6



#77

Benzidine

Concen: 3.938 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.235 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

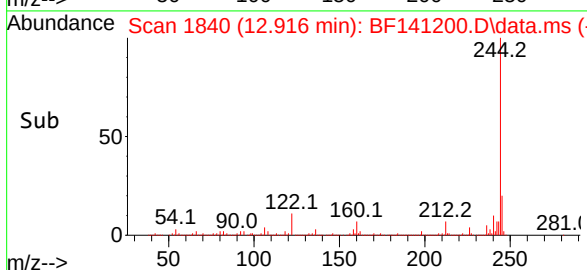
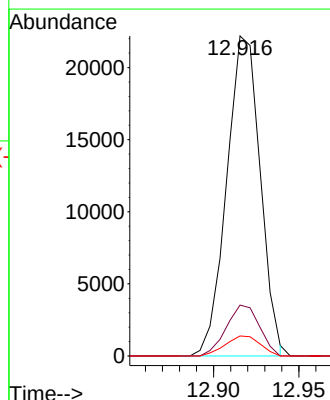
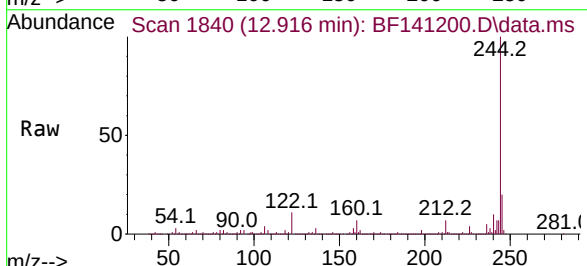
Tgt Ion:184 Resp: 30355

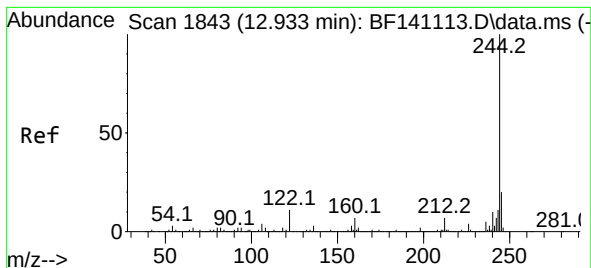
Ion Ratio Lower Upper

184 100

185 15.9 11.4 17.0

183 6.2 9.2 13.8#





#79

Terphenyl-d14

Concen: 84.574 ng

RT: 12.921 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

Instrument :

BNA\_F

ClientSampleId :

VNJ-214

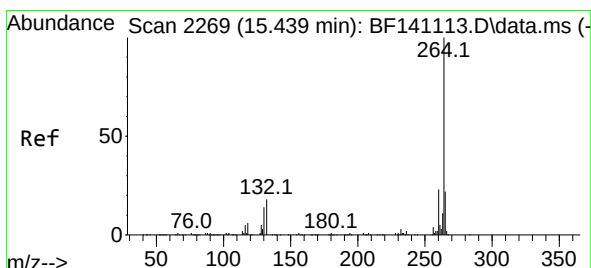
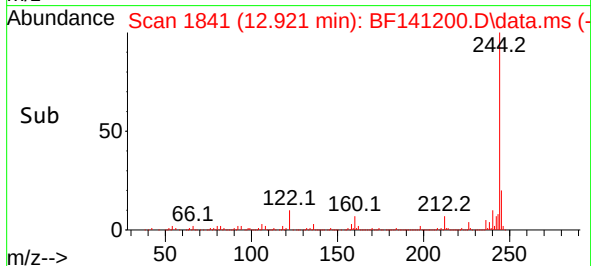
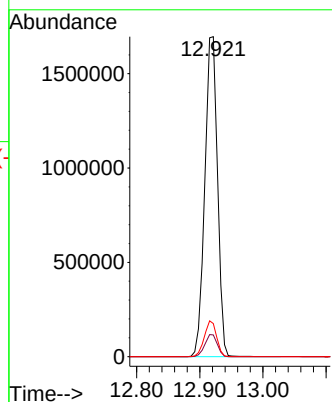
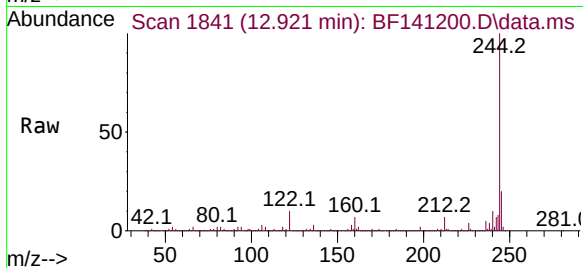
Tgt Ion:244 Resp: 2365443

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.3 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141200.D

Acq: 17 Jan 2025 18:33

Tgt Ion:264 Resp: 400012

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.9 17.4 26.0

