

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020525\  
 Data File : BF141462.D  
 Acq On : 05 Feb 2025 21:57  
 Operator : RC/JU  
 Sample : Q1207-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-2.1-012725

Quant Time: Feb 06 01:49:26 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

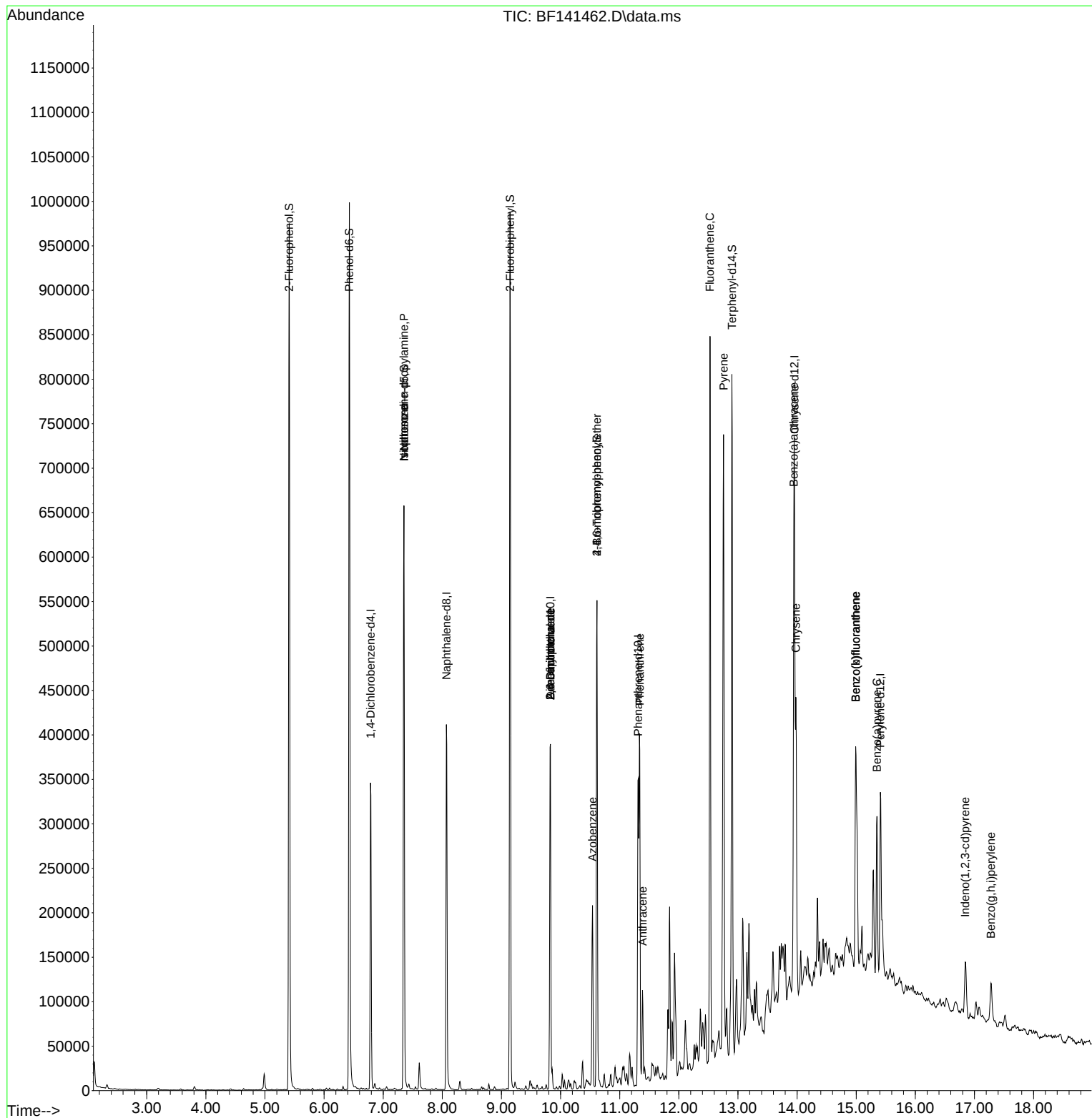
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 70299    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.069  | 136  | 262308   | 20.000 | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 119422   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 175054   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 13.957 | 240  | 157036   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 15.410 | 264  | 119629   | 20.000 | ng    | -0.03    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 345337   | 75.415 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 419566   | 72.025 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 273058   | 54.877 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 80144    | 73.203 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 418789   | 53.976 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.898 | 244  | 353865   | 34.752 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 38336    | 11.075 | ng    | # 77     |
| 25) Isophorone                | 7.351  | 82   | 269405   | 31.322 | ng    | # 64     |
| 50) Dimethylphthalate         | 9.828  | 163  | 19049    | 2.362  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.828  | 165  | 15050    | 8.036  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.828  | 165  | 15050    | 6.207  | ng    | # 22     |
| 63) Azobenzene                | 10.539 | 77   | 47424    | 6.058  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 5636     | 2.876  | ng    | # 1      |
| 71) Phenanthrene              | 11.339 | 178  | 209995   | 22.316 | ng    | 99       |
| 72) Anthracene                | 11.386 | 178  | 59171    | 6.418  | ng    | 99       |
| 75) Fluoranthene              | 12.527 | 202  | 450453   | 48.482 | ng    | 98       |
| 78) Pyrene                    | 12.757 | 202  | 400090   | 26.542 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.945 | 228  | 226161   | 20.871 | ng    | 97       |
| 83) Chrysene                  | 13.980 | 228  | 173906   | 17.511 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.845 | 276  | 45120    | 5.844  | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 221354   | 29.416 | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 14.992 | 252  | 221354   | 33.205 | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 110626   | 17.397 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.280 | 276  | 39009    | 6.039  | ng    | 95       |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020525\  
Data File : BF141462.D  
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Operator : RC/JU  
Sample : Q1207-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

Quant Time: Feb 06 01:49:26 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

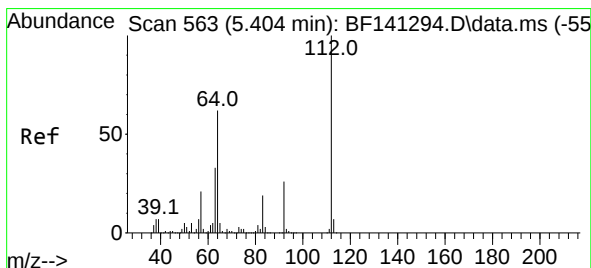
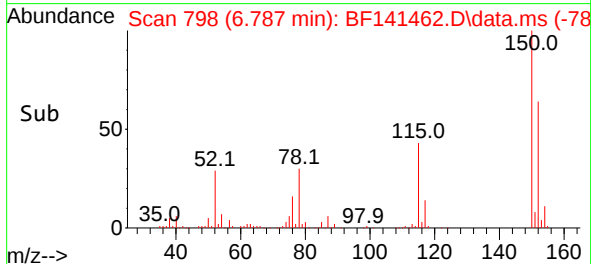
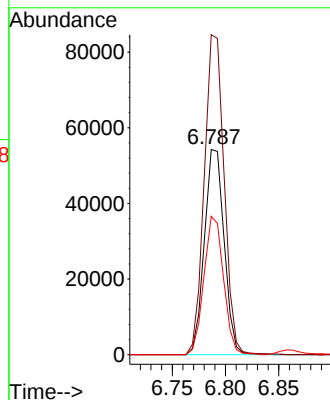
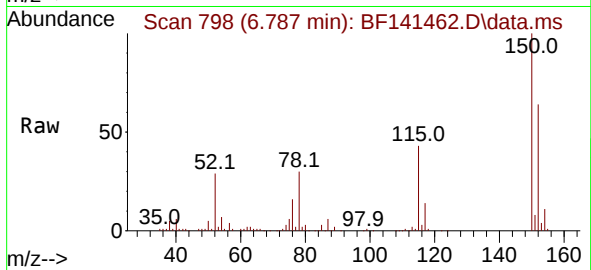




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 70  
 Delta R.T. -0.017 min  
 Lab File: BF141462.D  
 Acq: 05 Feb 2025 21:57

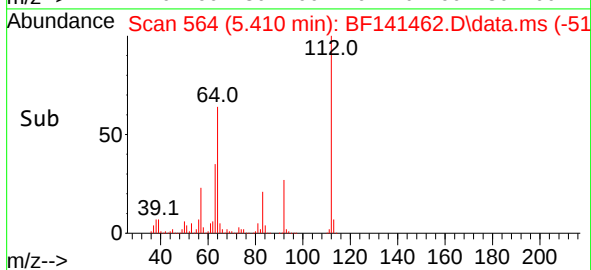
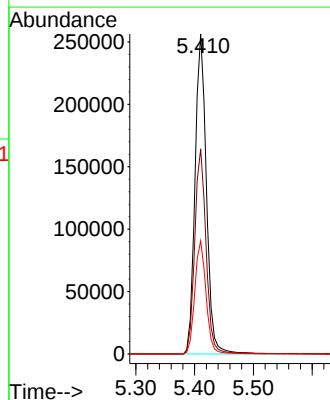
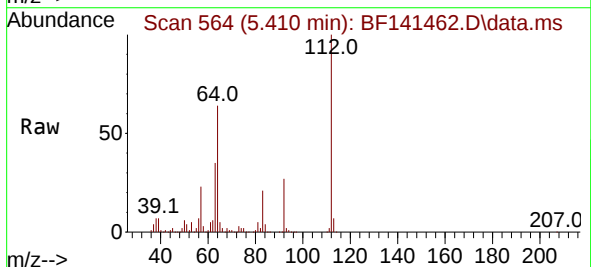
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-2.1-012725

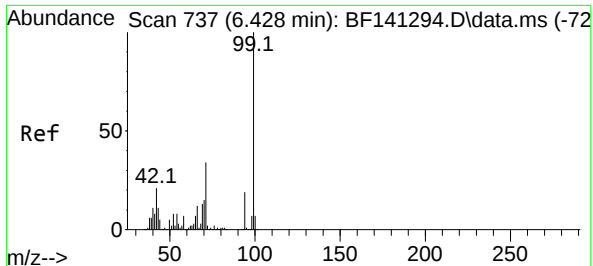
Tgt Ion:152 Resp: 70299  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 125.9 188.9  
 115 67.4 49.7 74.5



#5  
 2-Fluorophenol  
 Concen: 75.415 ng  
 RT: 5.410 min Scan# 564  
 Delta R.T. -0.000 min  
 Lab File: BF141462.D  
 Acq: 05 Feb 2025 21:57

Tgt Ion:112 Resp: 345337  
 Ion Ratio Lower Upper  
 112 100  
 64 64.1 49.8 74.8  
 63 35.3 26.1 39.1

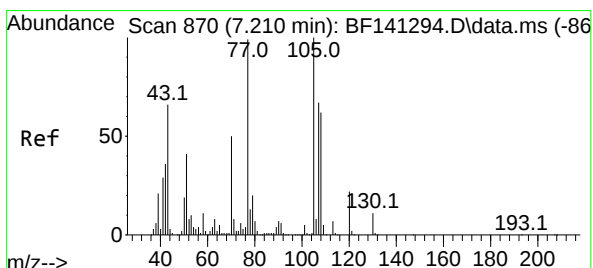
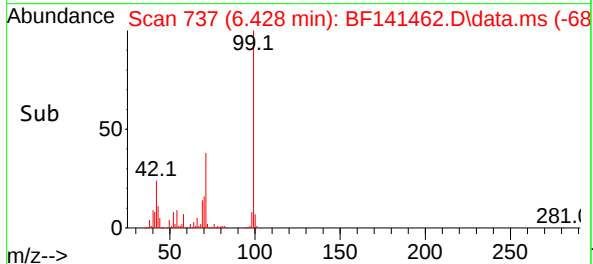
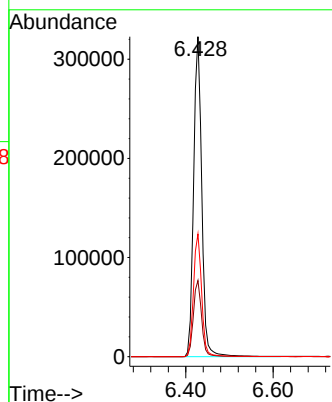
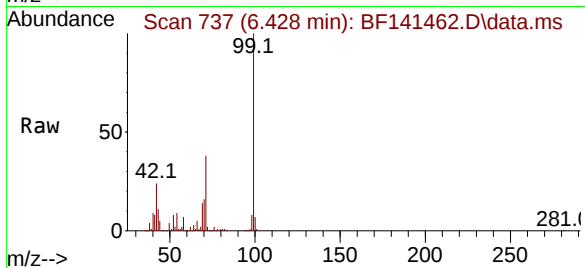




#7  
Phenol-d6  
Concen: 72.025 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

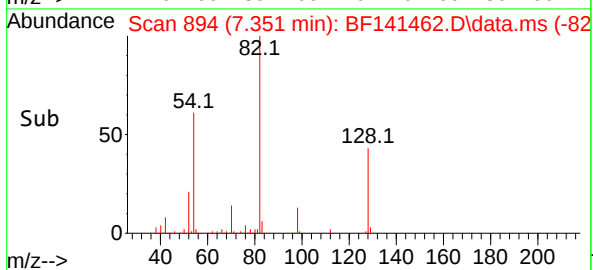
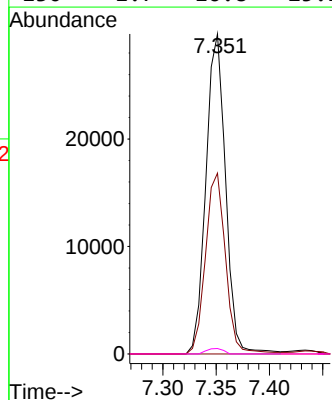
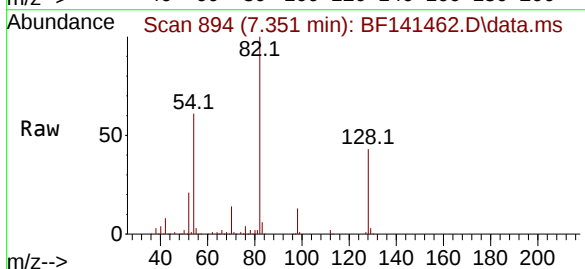
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

Tgt Ion: 99 Resp: 419566  
Ion Ratio Lower Upper  
99 100  
42 23.8 17.1 25.7  
71 38.4 26.9 40.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.075 ng  
RT: 7.351 min Scan# 894  
Delta R.T. 0.123 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion: 70 Resp: 38336  
Ion Ratio Lower Upper  
70 100  
42 56.5 56.8 85.2#  
101 0.0 7.7 11.5#  
130 1.7 16.8 25.2#

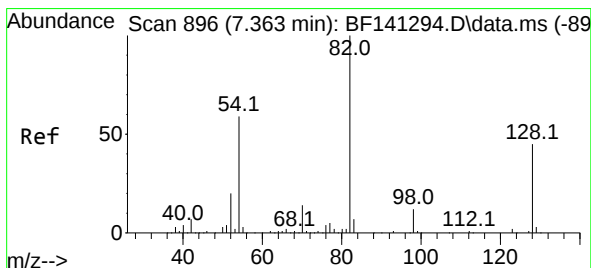
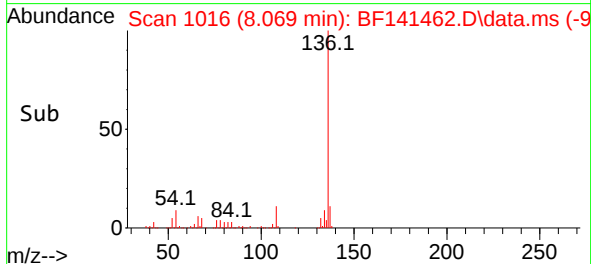
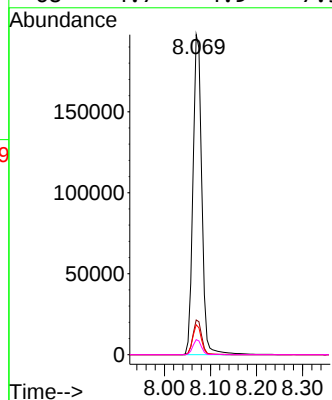
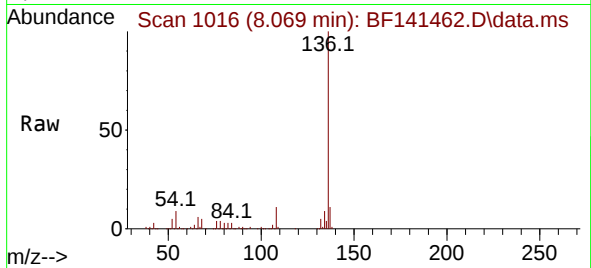




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1018  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

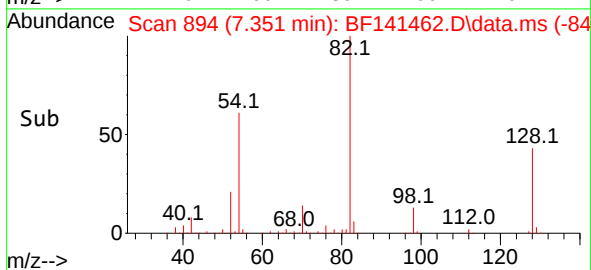
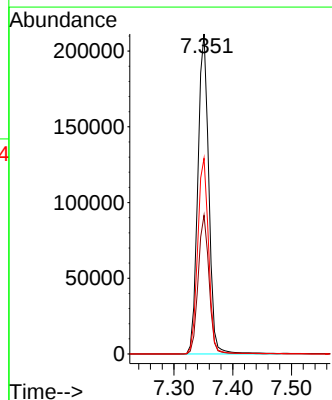
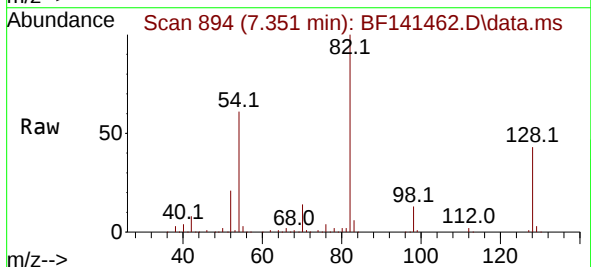
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

Tgt Ion:136 Resp: 262308  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.3 7.8 11.8  
68 4.7 4.9 7.3#



#23  
Nitrobenzene-d5  
Concen: 54.877 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion: 82 Resp: 273058  
Ion Ratio Lower Upper  
82 100  
128 43.4 35.7 53.5  
54 61.2 47.1 70.7

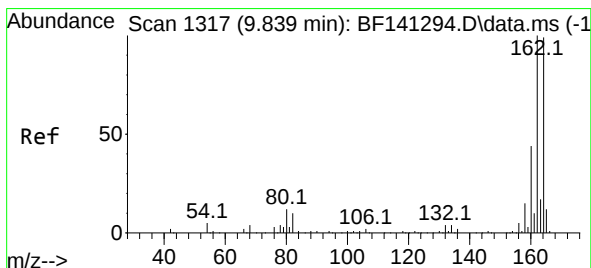
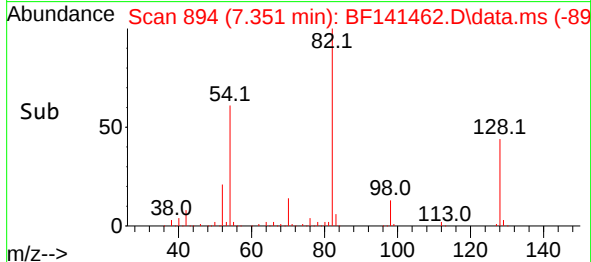
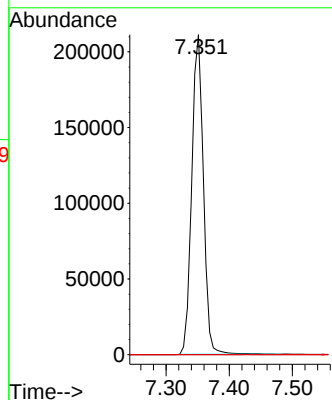
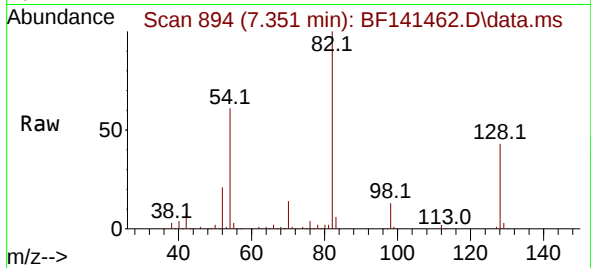




#25  
Isophorone  
Concen: 31.322 ng  
RT: 7.351 min Scan# 89  
Delta R.T. -0.277 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

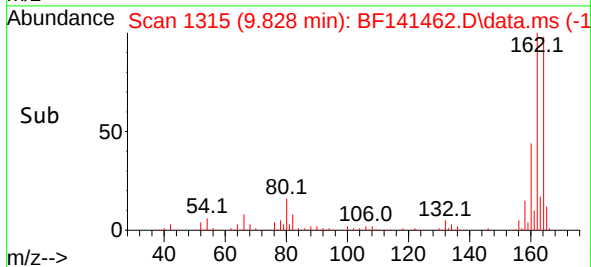
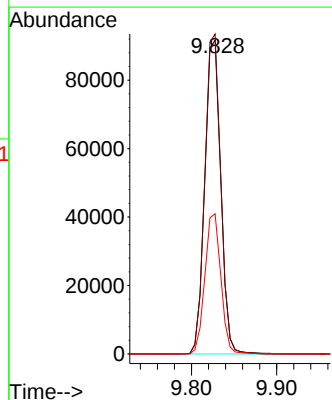
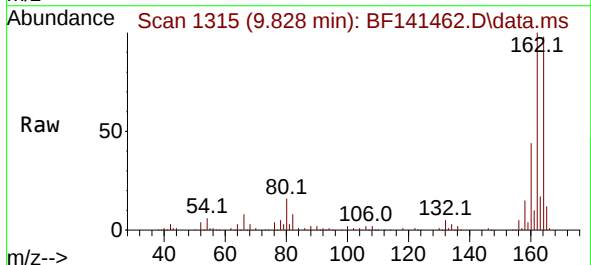
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ClientSampleId :  
JPP-2.1-012725

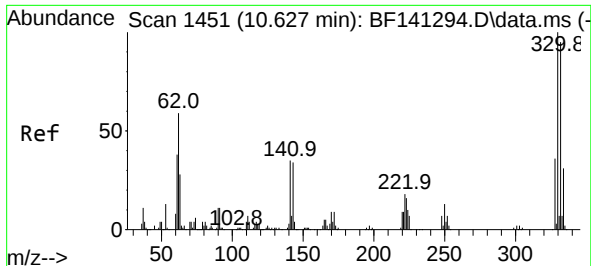
Tgt Ion: 82 Resp: 269405  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.7 22.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

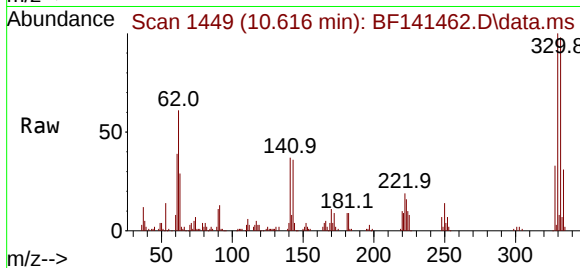
Tgt Ion: 164 Resp: 119422  
Ion Ratio Lower Upper  
164 100  
162 102.0 80.6 121.0  
160 44.7 35.8 53.6



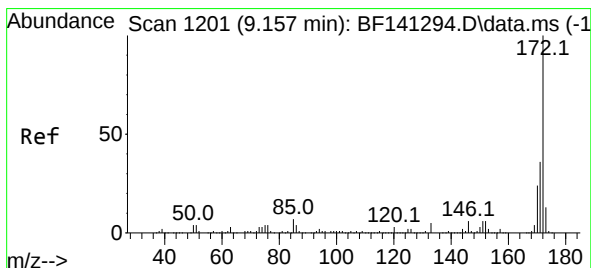
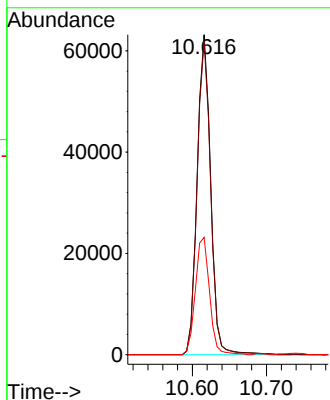
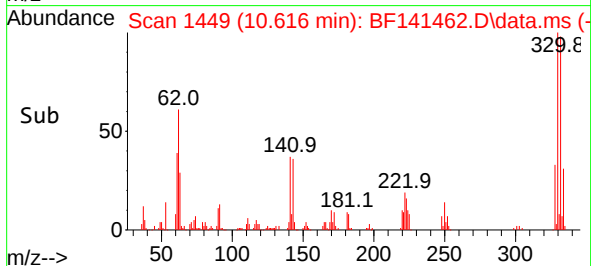


#42  
2,4,6-Tribromophenol  
Concen: 73.203 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

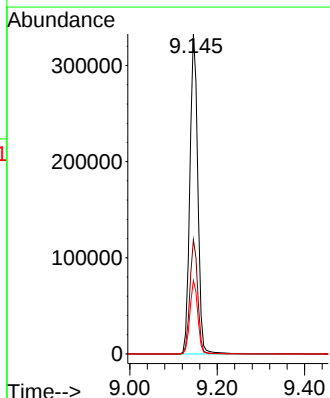
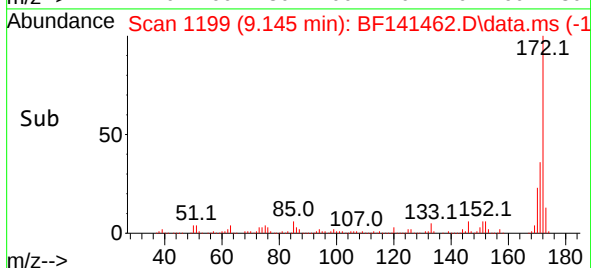
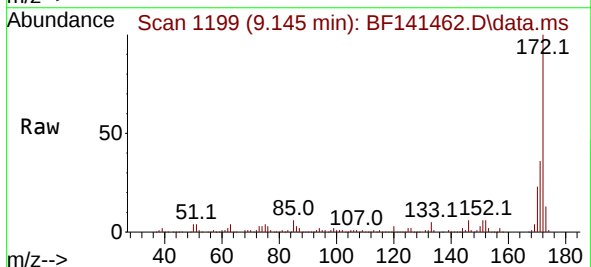


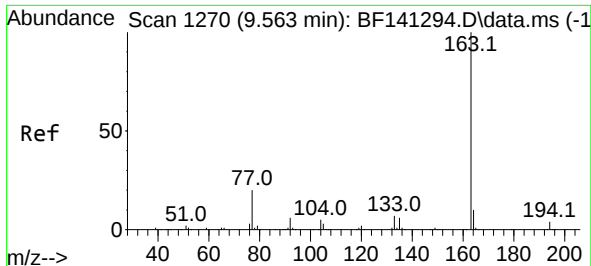
Tgt Ion:330 Resp: 80144  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.1 114.1  
141 38.4 28.8 43.2



#45  
2-Fluorobiphenyl  
Concen: 53.976 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:172 Resp: 418789  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 22.9 19.0 28.6

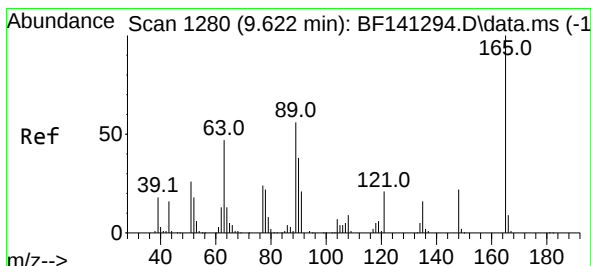
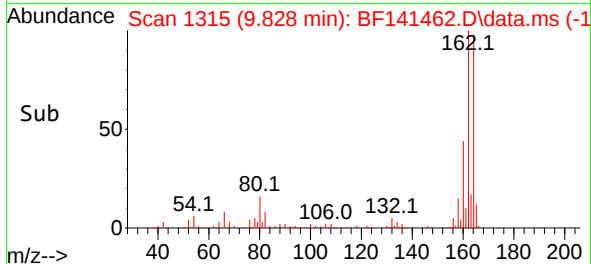
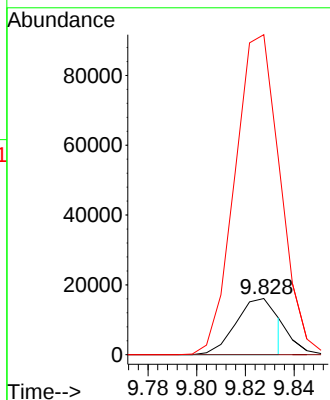
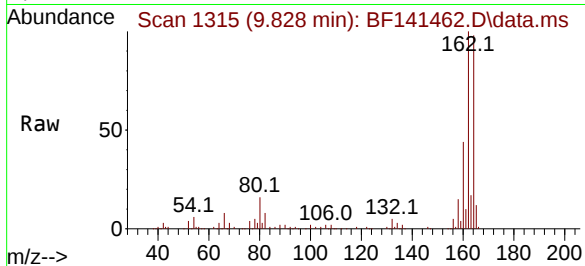




#50  
Dimethylphthalate  
Concen: 2.362 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. 0.259 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

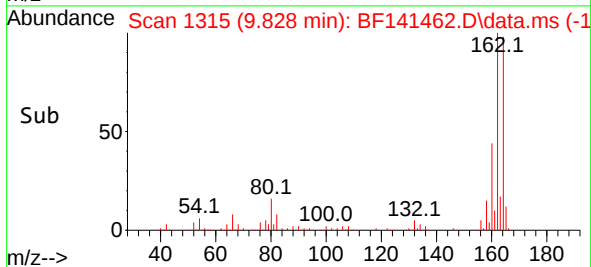
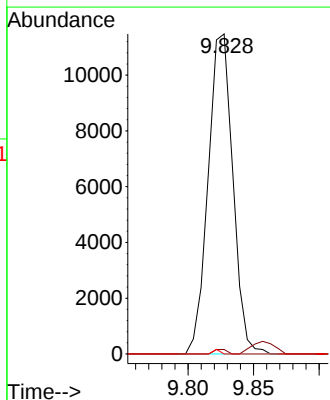
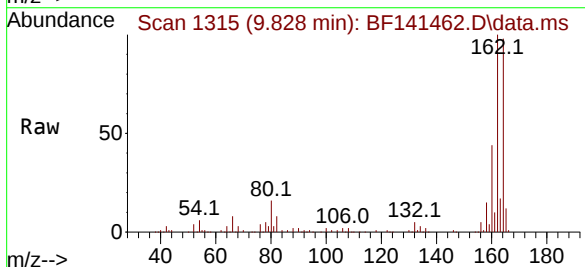
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

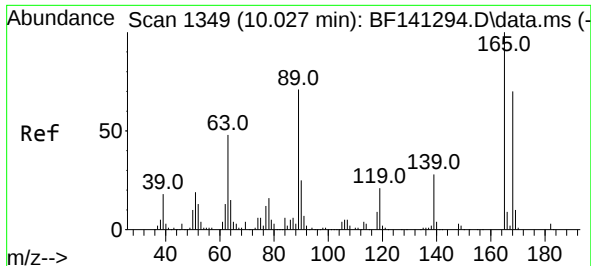
Tgt Ion:163 Resp: 19049  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.6#  
164 570.3 8.0 12.0#



#51  
2,6-Dinitrotoluene  
Concen: 8.036 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. 0.200 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:165 Resp: 15050  
Ion Ratio Lower Upper  
165 100  
63 1.4 48.1 72.1#  
89 0.0 44.9 67.3#

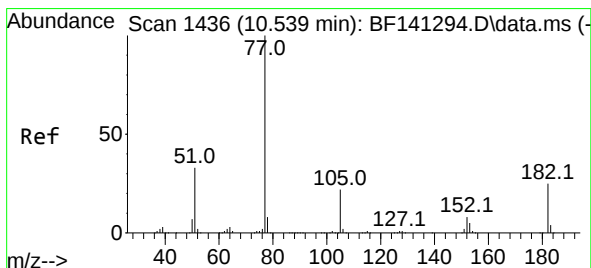
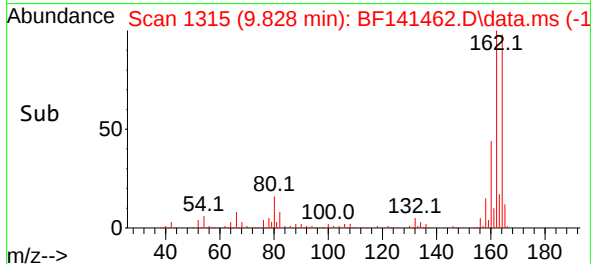
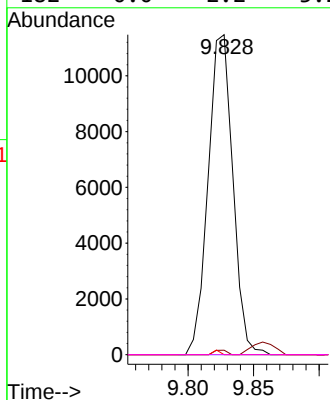
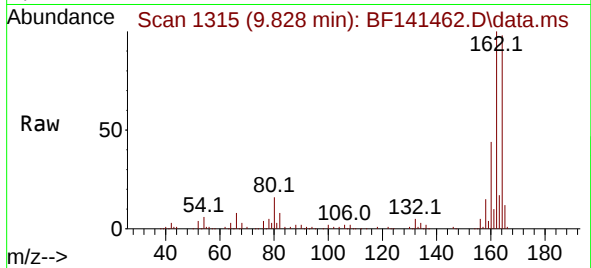




#57  
2,4-Dinitrotoluene  
Concen: 6.207 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. -0.206 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

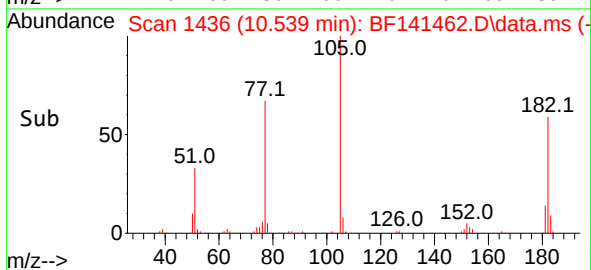
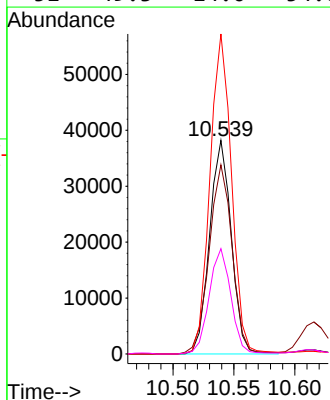
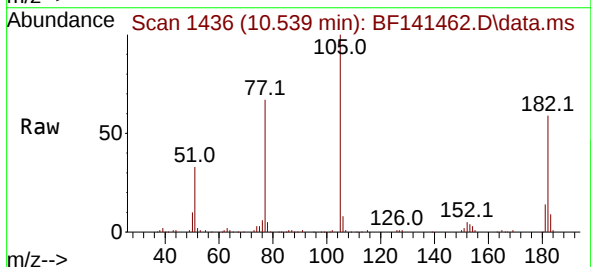
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

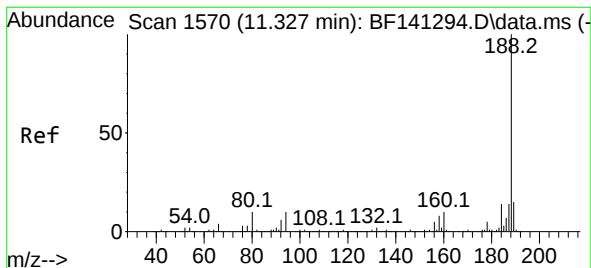
Tgt Ion:165 Resp: 15050  
Ion Ratio Lower Upper  
165 100  
63 1.4 39.2 58.8#  
89 0.0 56.9 85.3#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 6.058 ng  
RT: 10.539 min Scan# 1436  
Delta R.T. -0.006 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion: 77 Resp: 47424  
Ion Ratio Lower Upper  
77 100  
182 88.5 5.1 45.1#  
105 149.8 1.8 41.8#  
51 49.3 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA\_F

ClientSampleId :

JPP-2.1-012725

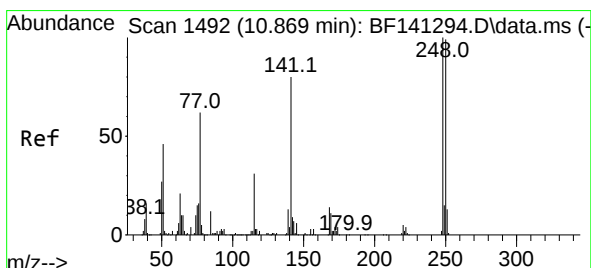
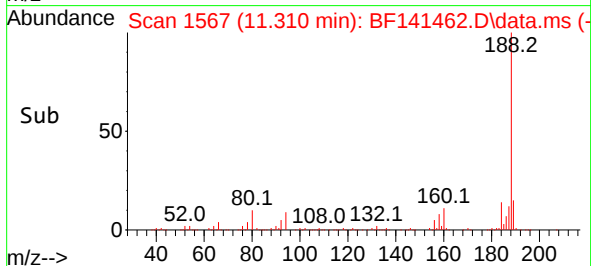
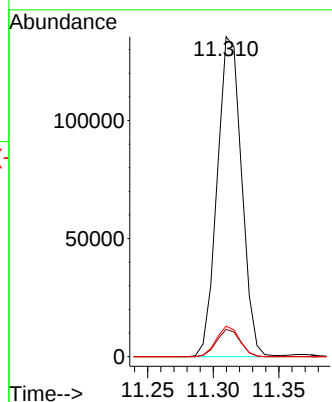
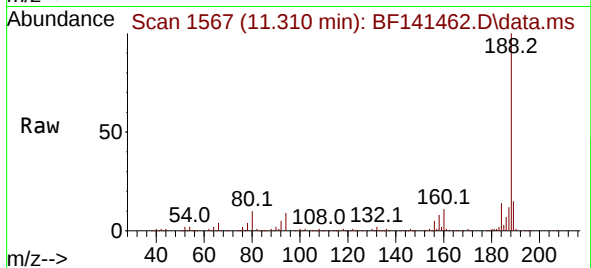
Tgt Ion:188 Resp: 175054

Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 9.5 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.876 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.259 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

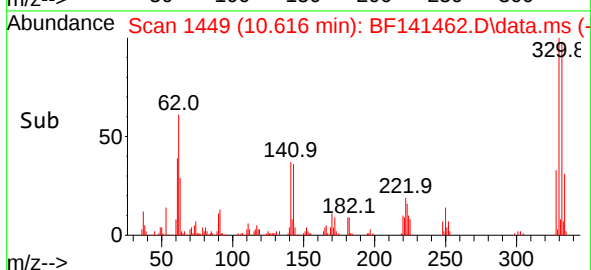
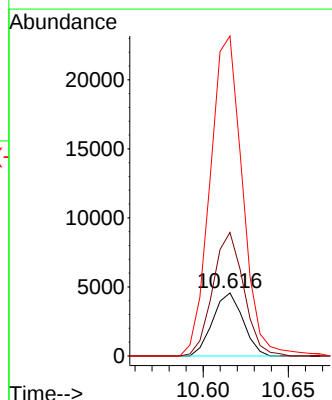
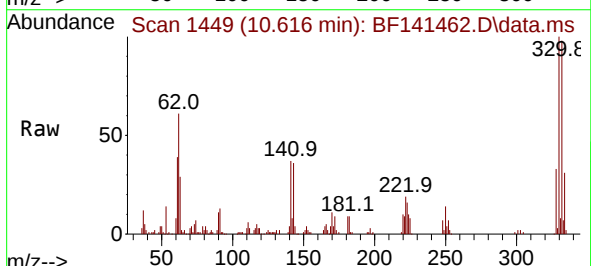
Tgt Ion:248 Resp: 5636

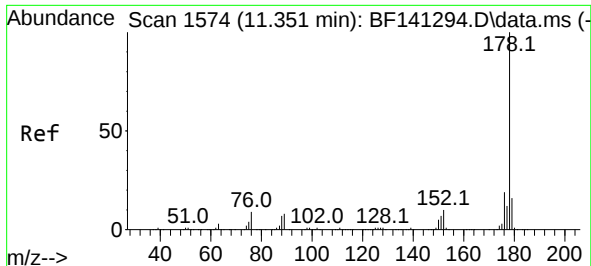
Ion Ratio Lower Upper

248 100

250 195.9 79.0 118.4#

141 507.2 63.7 95.5#

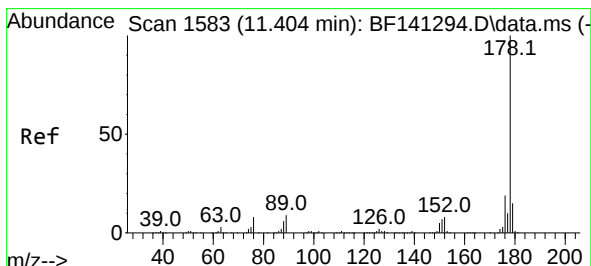
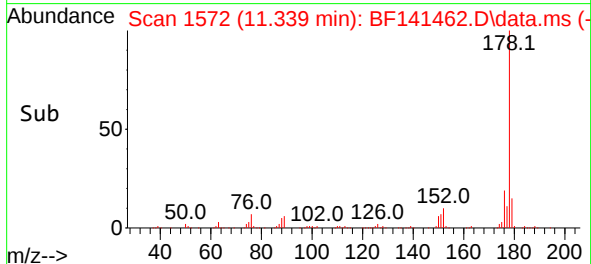
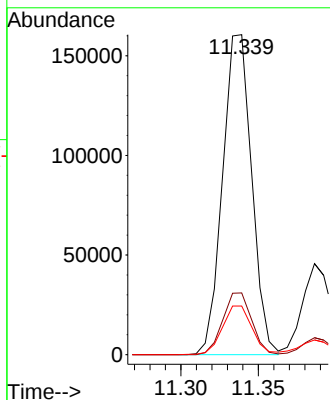
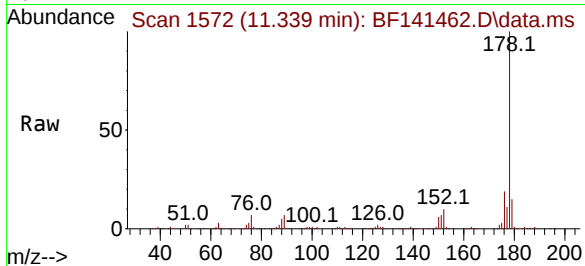




#71  
Phenanthrene  
Concen: 22.316 ng  
RT: 11.339 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

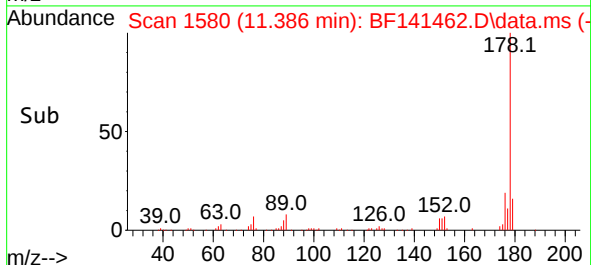
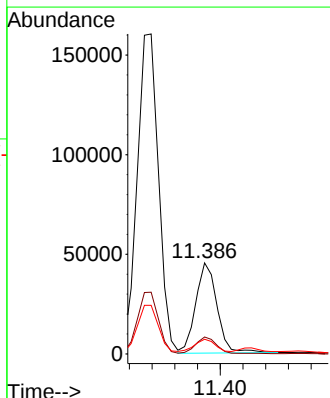
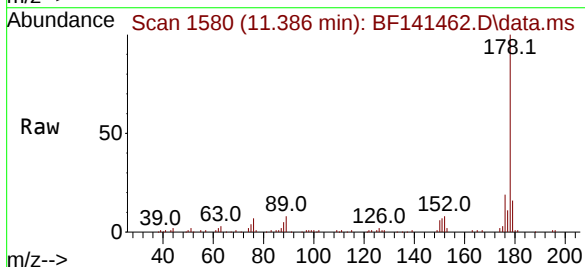
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

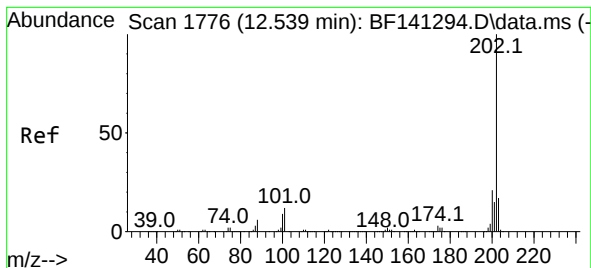
Tgt Ion:178 Resp: 209995  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.2 12.5 18.7



#72  
Anthracene  
Concen: 6.418 ng  
RT: 11.386 min Scan# 1580  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:178 Resp: 59171  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.0 22.6  
179 16.2 12.3 18.5

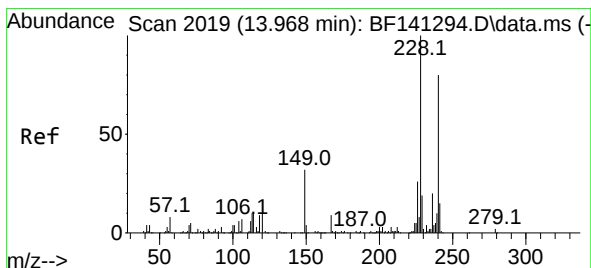
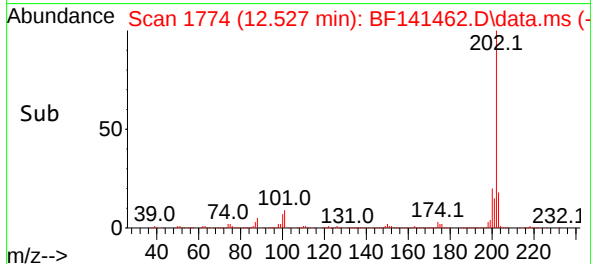
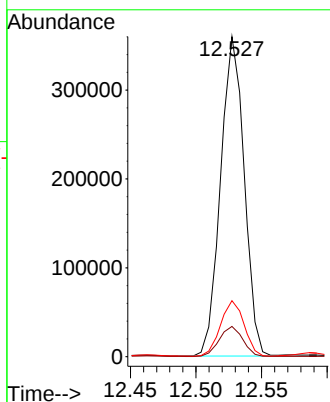
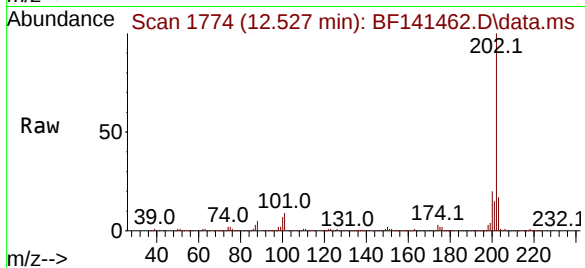




#75  
Fluoranthene  
Concen: 48.482 ng  
RT: 12.527 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

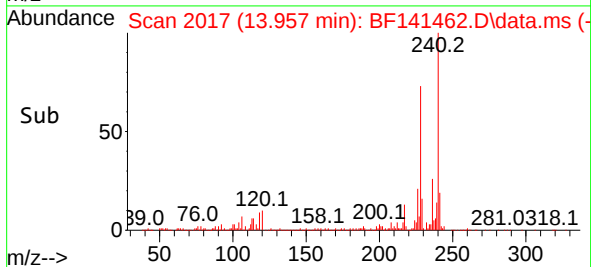
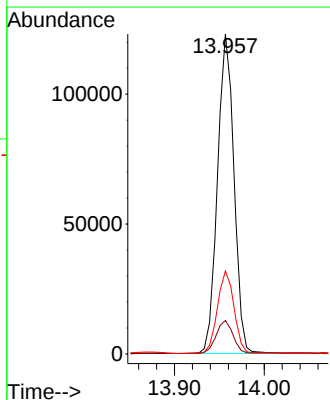
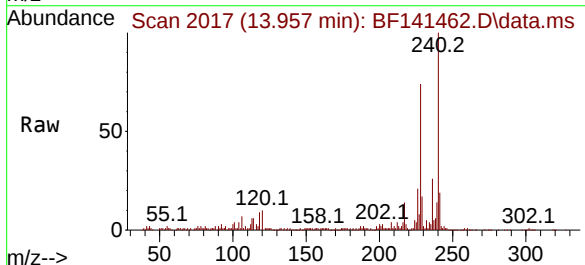
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

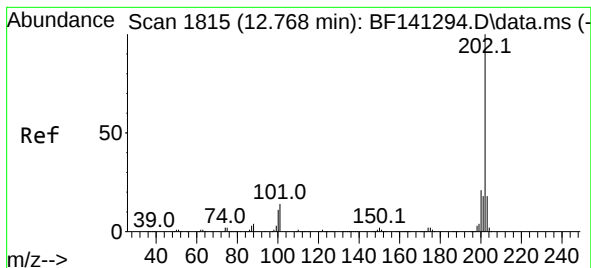
Tgt Ion:202 Resp: 450453  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 31.7  
203 17.5 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 2017  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:240 Resp: 157036  
Ion Ratio Lower Upper  
240 100  
120 10.5 10.0 15.0  
236 25.9 19.7 29.5





#78

Pyrene

Concen: 26.542 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA\_F

ClientSampleId :

JPP-2.1-012725

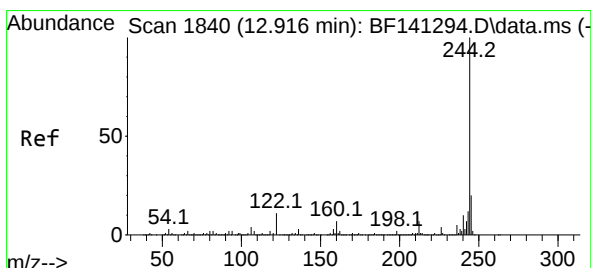
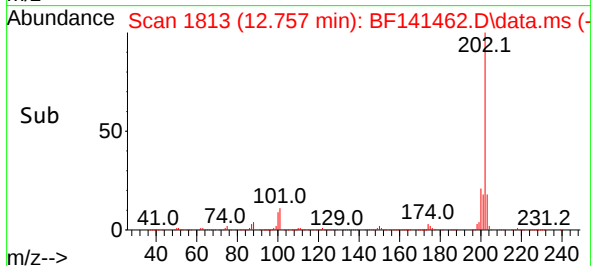
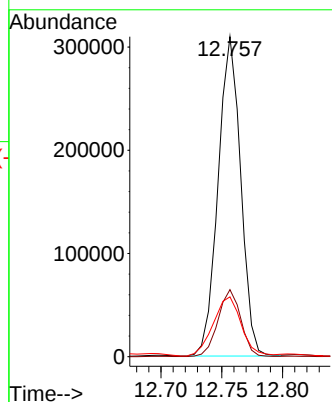
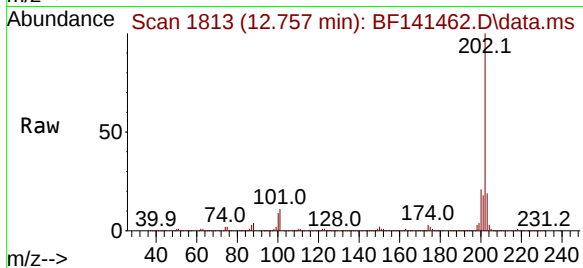
Tgt Ion:202 Resp: 400090

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 34.752 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.018 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

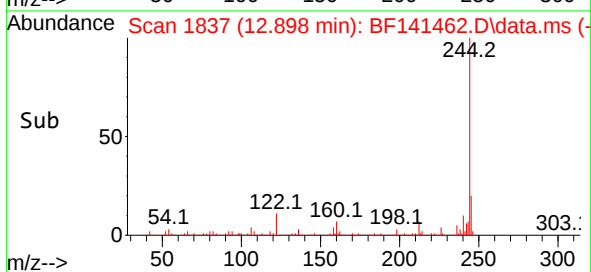
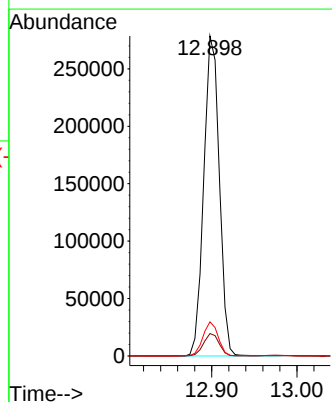
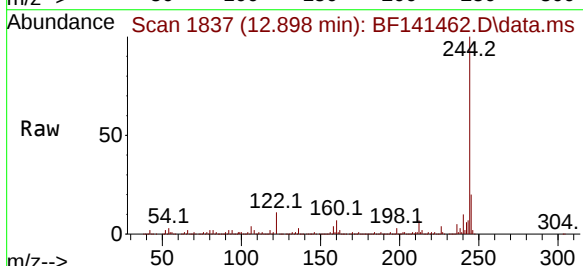
Tgt Ion:244 Resp: 353865

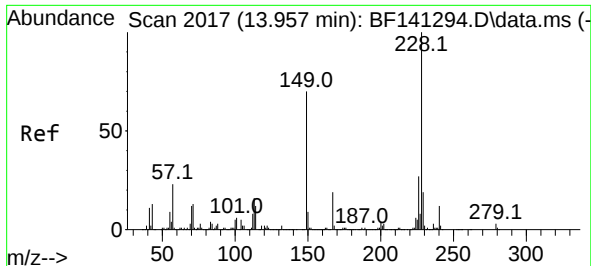
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.7 8.8 13.2

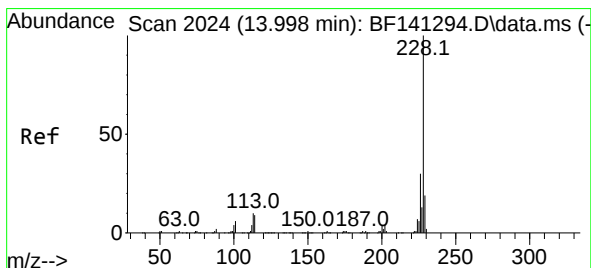
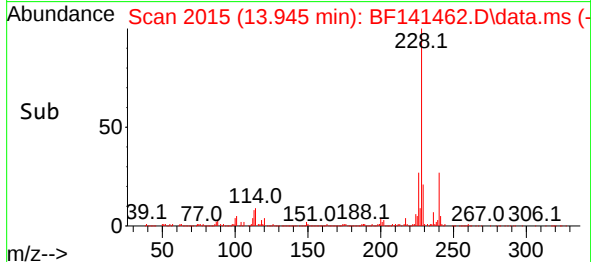
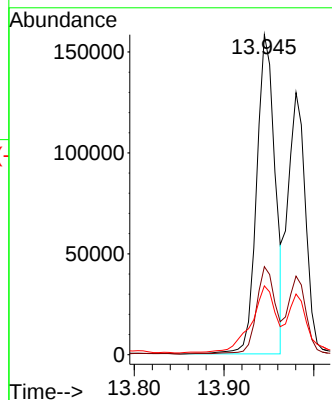
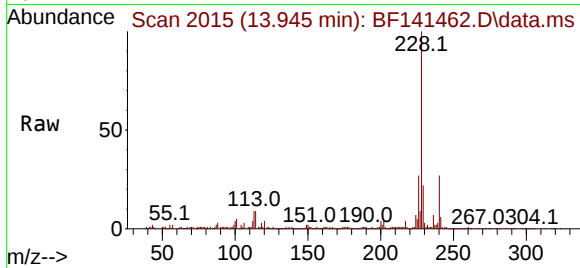




#81  
Benzo(a)anthracene  
Concen: 20.871 ng  
RT: 13.945 min Scan# 20  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

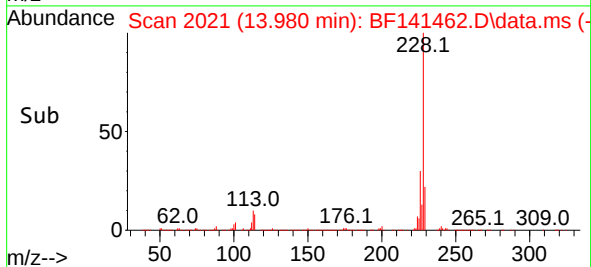
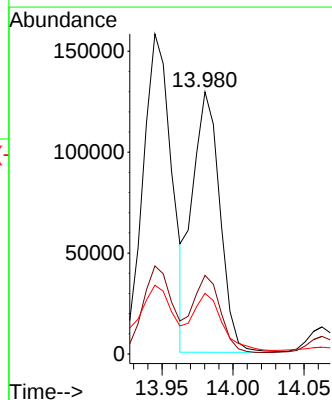
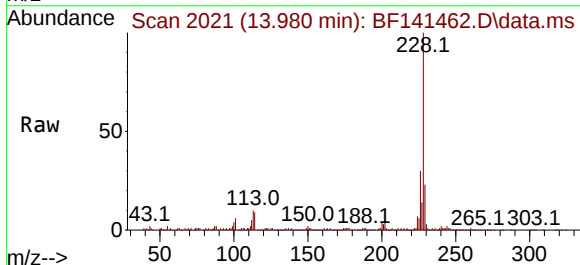
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

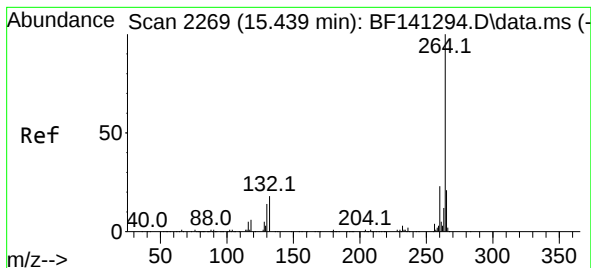
Tgt Ion:228 Resp: 226161  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.4 32.2  
229 21.5 15.5 23.3



#83  
Chrysene  
Concen: 17.511 ng  
RT: 13.980 min Scan# 2021  
Delta R.T. -0.018 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:228 Resp: 173906  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.1 36.1  
229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA\_F

ClientSampleId :

JPP-2.1-012725

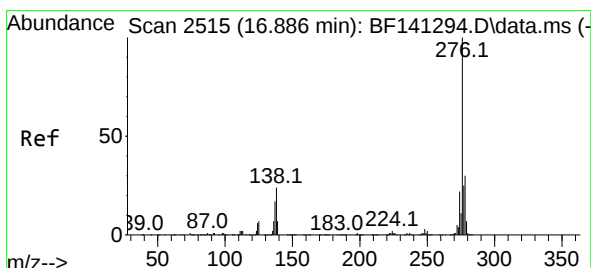
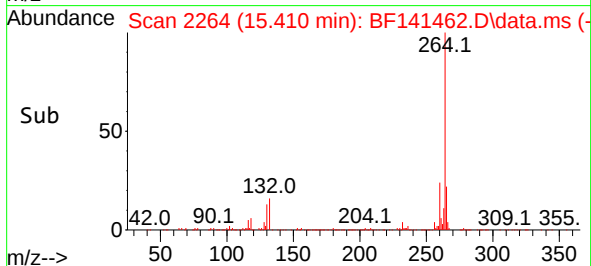
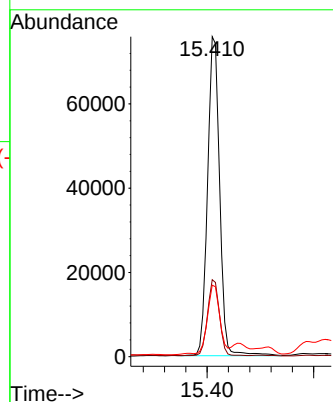
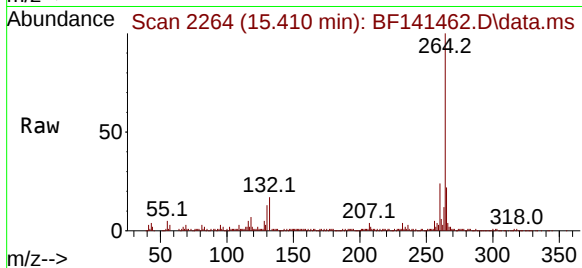
Tgt Ion:264 Resp: 119629

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 22.3 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.844 ng

RT: 16.845 min Scan# 2508

Delta R.T. -0.053 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

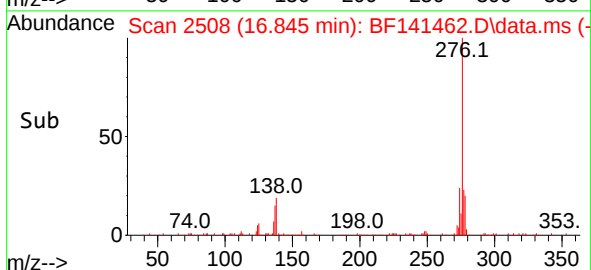
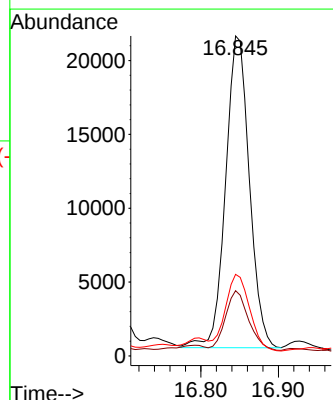
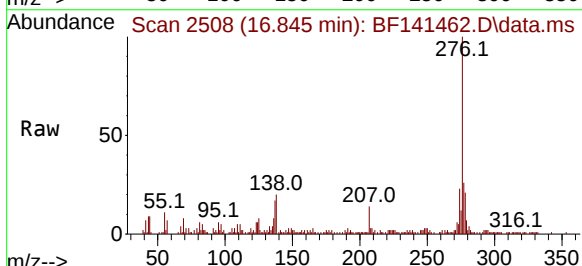
Tgt Ion:276 Resp: 45120

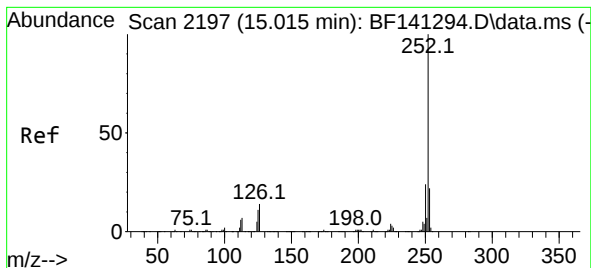
Ion Ratio Lower Upper

276 100

138 19.1 21.7 32.5#

277 25.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 29.416 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.030 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

Instrument :

BNA\_F

ClientSampleId :

JPP-2.1-012725

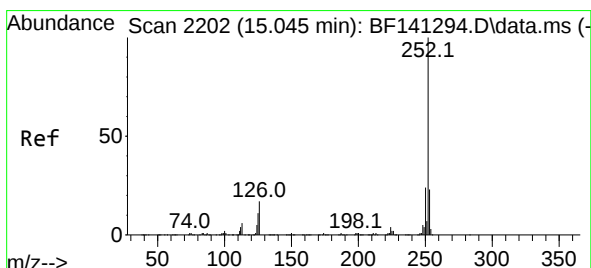
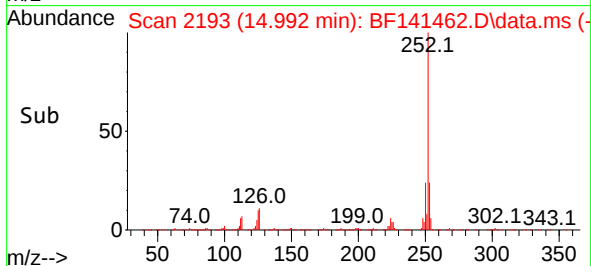
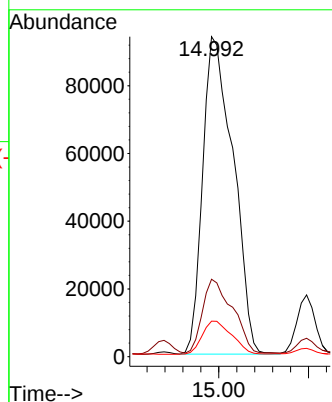
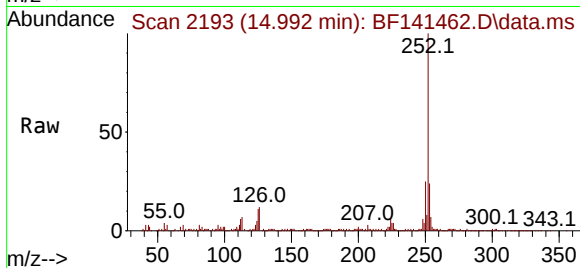
Tgt Ion:252 Resp: 221354

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 11.1 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 33.205 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.059 min

Lab File: BF141462.D

Acq: 05 Feb 2025 21:57

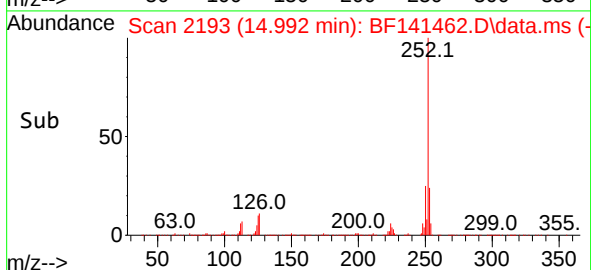
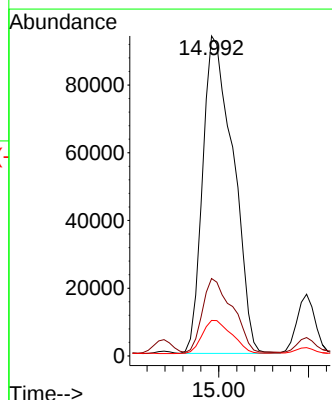
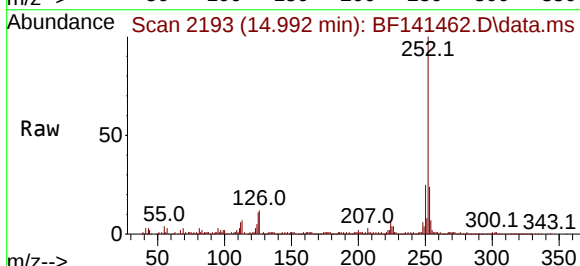
Tgt Ion:252 Resp: 221354

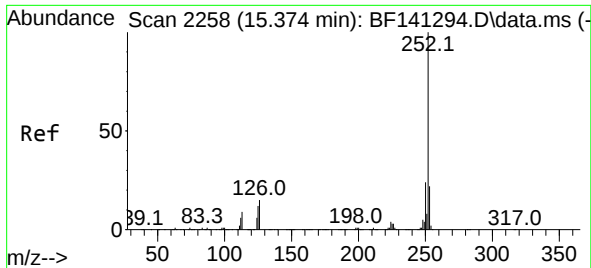
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 11.1 8.4 12.6

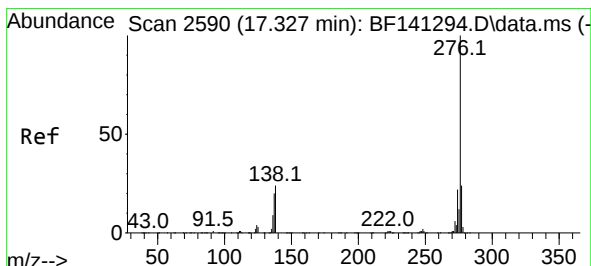
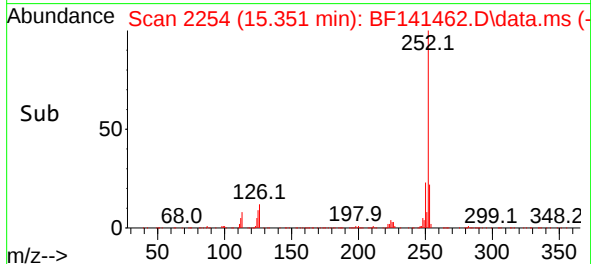
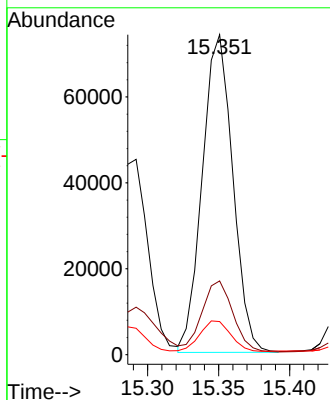
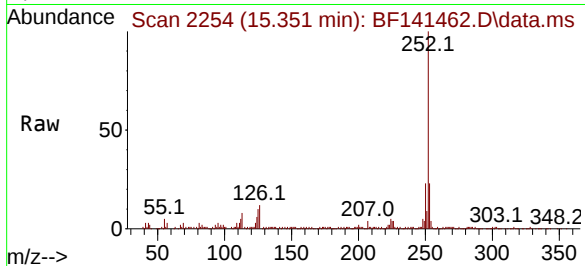




#90  
Benzo(a)pyrene  
Concen: 17.397 ng  
RT: 15.351 min Scan# 21  
Delta R.T. -0.030 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-2.1-012725

Tgt Ion:252 Resp: 110626  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.2 25.8  
125 10.4 9.4 14.2



#92  
Benzo(g,h,i)perylene  
Concen: 6.039 ng  
RT: 17.280 min Scan# 2582  
Delta R.T. -0.065 min  
Lab File: BF141462.D  
Acq: 05 Feb 2025 21:57

Tgt Ion:276 Resp: 39009  
Ion Ratio Lower Upper  
276 100  
277 25.1 19.2 28.8  
138 20.1 19.0 28.4

