

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011024\  
 Data File : BF137021.D  
 Acq On : 10 Jan 2024 15:47  
 Operator : CG\JU  
 Sample : P1085-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3

Quant Time: Jan 10 16:10:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

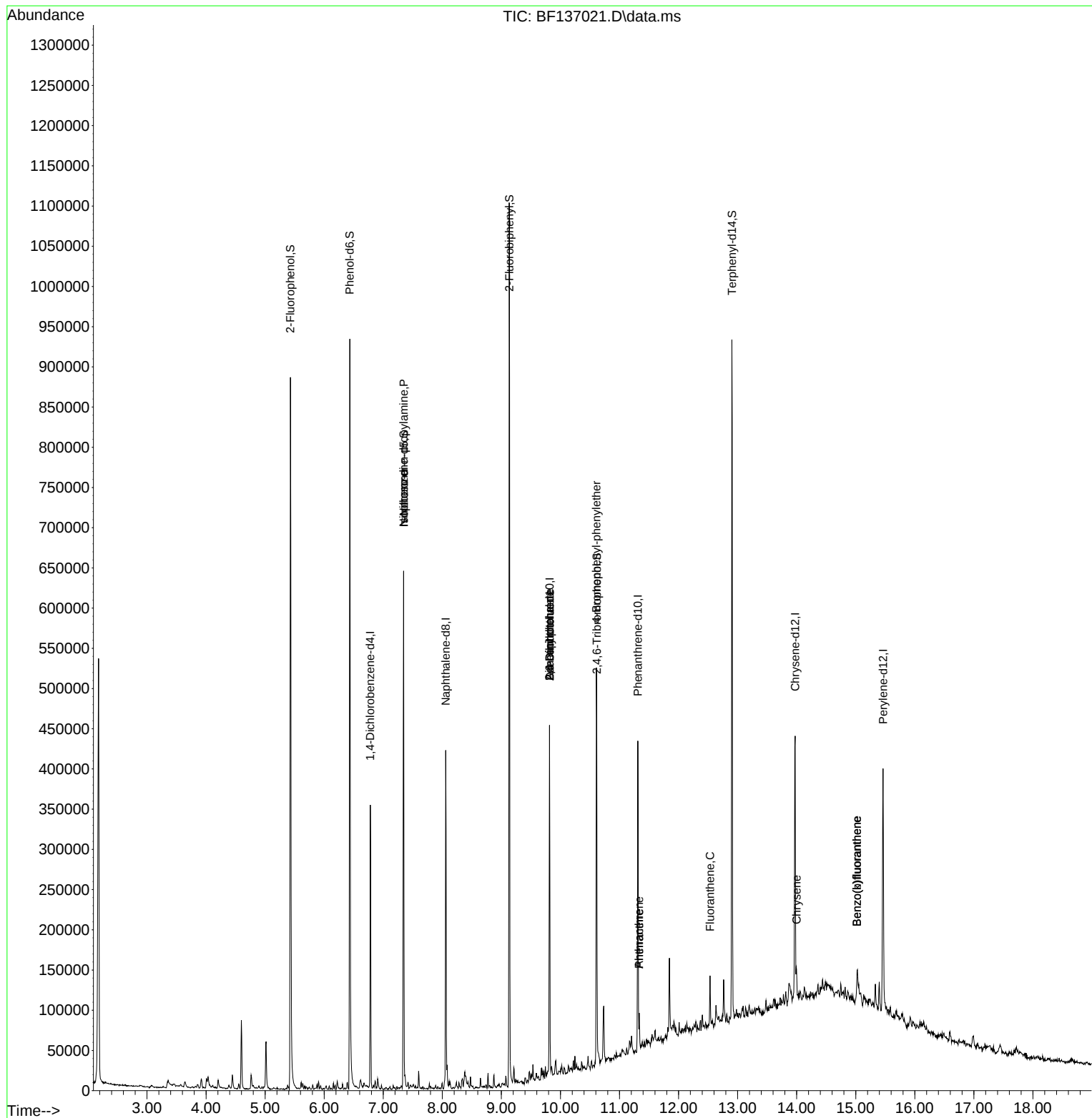
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 48858    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 178251   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 81396    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 131556   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 116647   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.462 | 264  | 138685   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 253204   | 80.861 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 305065   | 75.186 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 183892   | 52.790 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 66794    | 69.677 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 339052   | 56.025 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 302462   | 36.236 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 24176    | 9.829  | ng    | # 78     |
| 25) Isophorone                | 7.345  | 82   | 183888   | 29.011 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 16081    | 2.705  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 10696    | 7.927  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 10696    | 6.106  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 3803     | 2.603  | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 15343    | 2.273  | ng    | 95       |
| 72) Anthracene                | 11.333 | 178  | 15343    | 2.244  | ng    | 96       |
| 75) Fluoranthene              | 12.533 | 202  | 23549    | 3.261  | ng    | 96       |
| 83) Chrysene                  | 13.998 | 228  | 17639    | 2.227  | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 32391    | 3.497  | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 32391    | 3.701  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

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

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Sample : P1085-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Jan 10 16:10:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

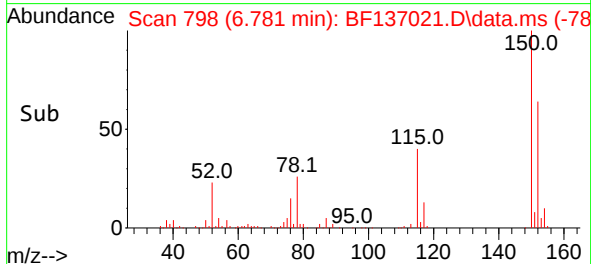
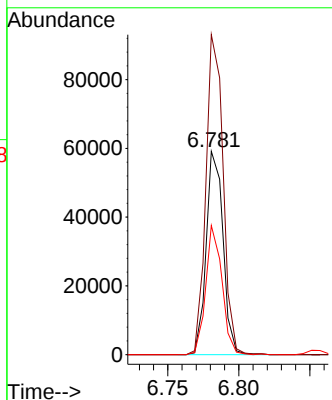
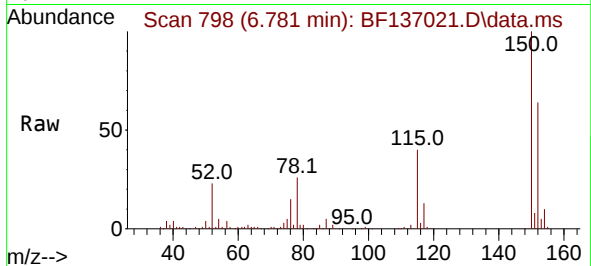




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

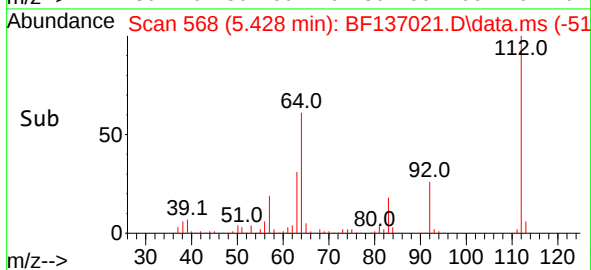
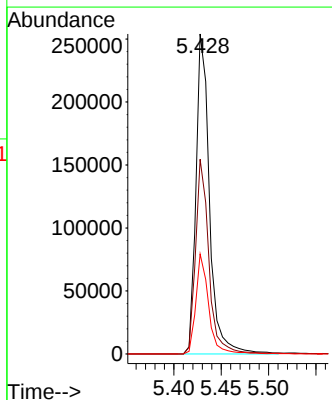
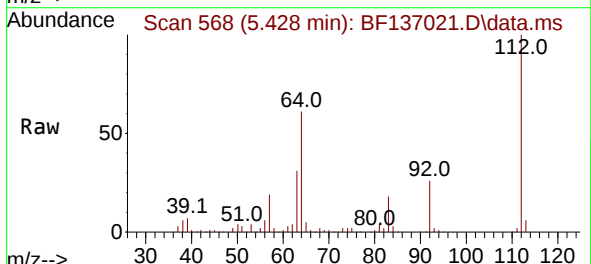
Instrument :  
BNA\_F  
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TP-3

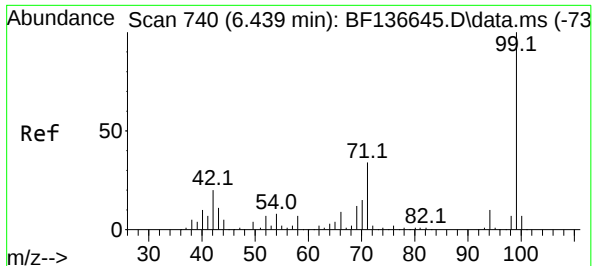
Tgt Ion:152 Resp: 48858  
Ion Ratio Lower Upper  
152 100  
150 157.4 127.0 190.6  
115 63.5 49.0 73.4



#5  
2-Fluorophenol  
Concen: 80.861 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion:112 Resp: 253204  
Ion Ratio Lower Upper  
112 100  
64 60.9 51.1 76.7  
63 31.2 26.1 39.1

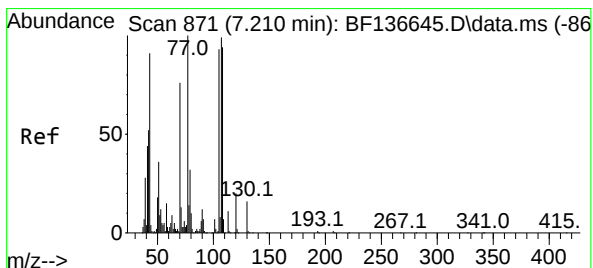
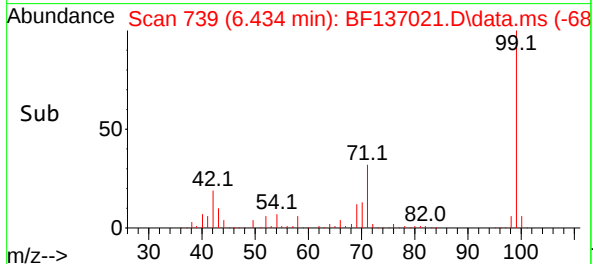
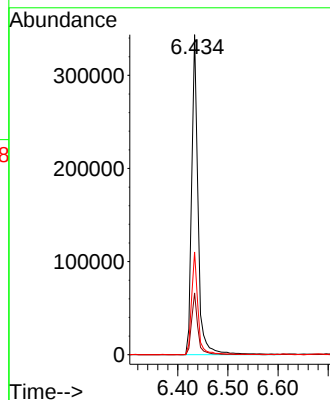
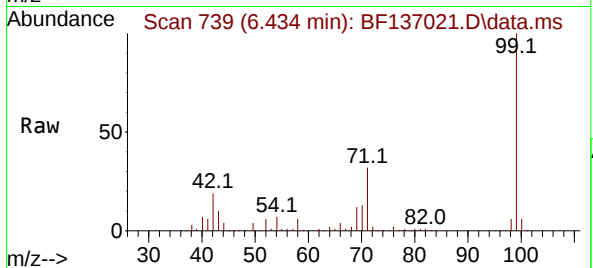




#7  
Phenol-d6  
Concen: 75.186 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

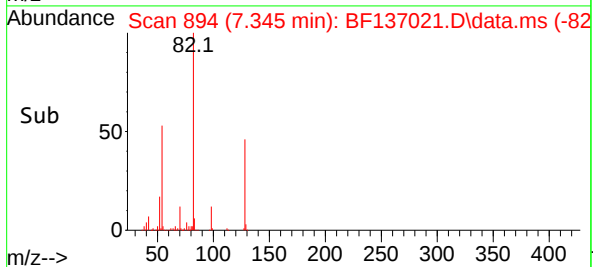
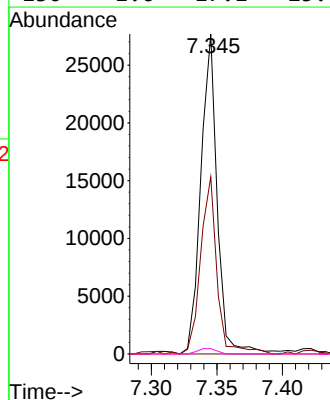
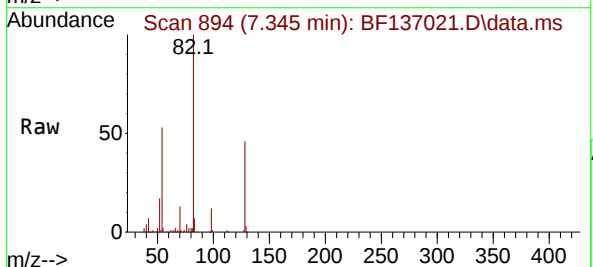
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

Tgt Ion: 99 Resp: 305065  
Ion Ratio Lower Upper  
99 100  
42 19.3 16.1 24.1  
71 32.1 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.829 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion: 70 Resp: 24176  
Ion Ratio Lower Upper  
70 100  
42 55.3 54.2 81.4  
101 0.0 7.6 11.4#  
130 1.6 17.1 25.7#

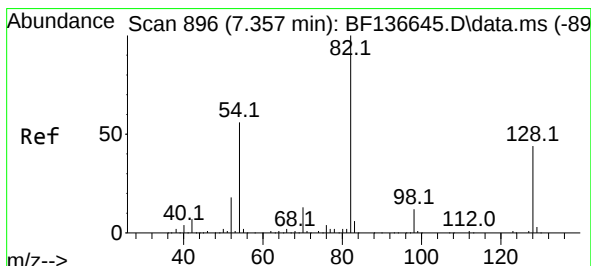
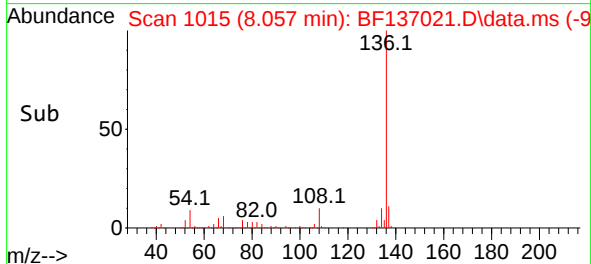
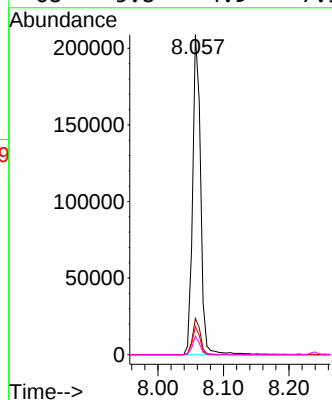
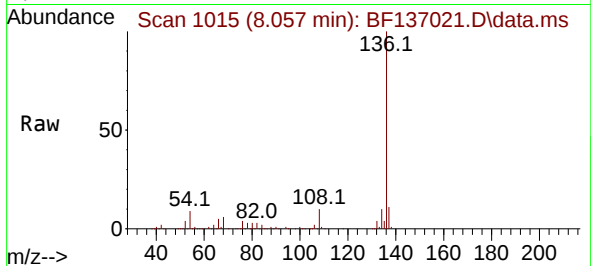




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

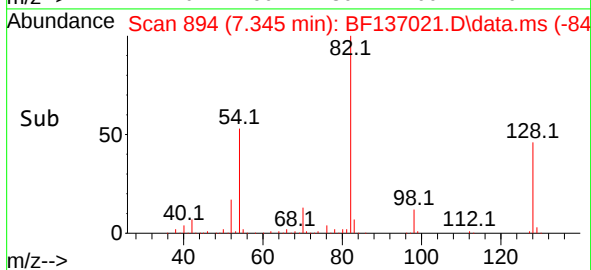
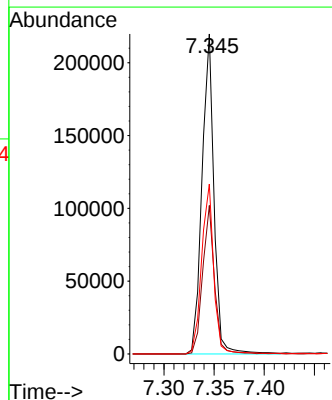
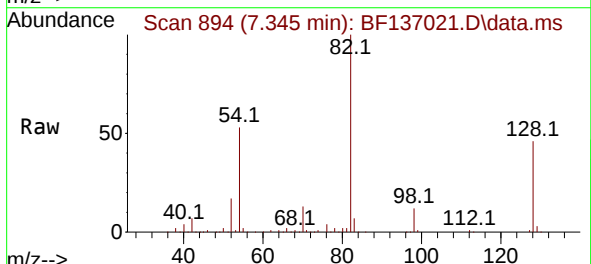
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 178251 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.4    | 9.0 13.4     |
| 54 8.9      | 7.2 10.8     |
| 68 5.8      | 4.9 7.3      |



#23  
Nitrobenzene-d5  
Concen: 52.790 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 183892 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 46.4    | 35.3 52.9    |
| 54 53.1     | 44.5 66.7    |

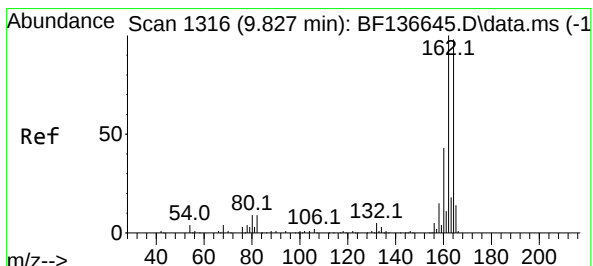
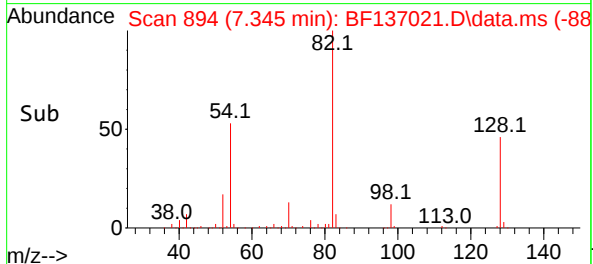
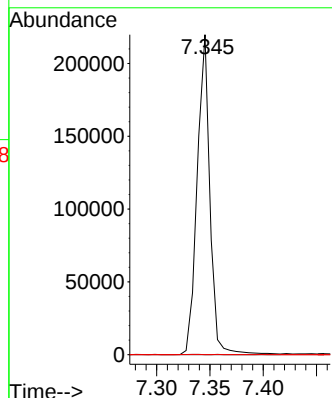
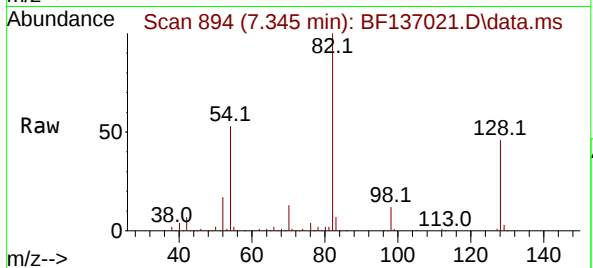




#25  
Isophorone  
Concen: 29.011 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

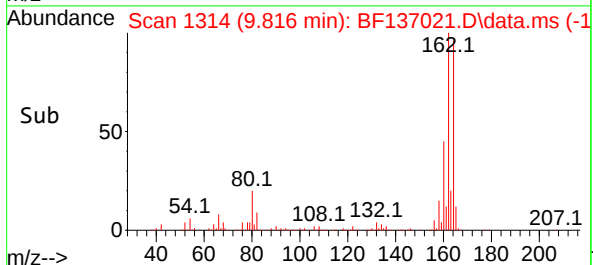
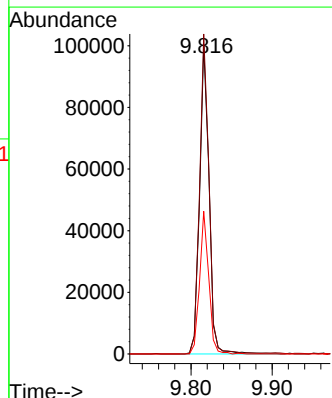
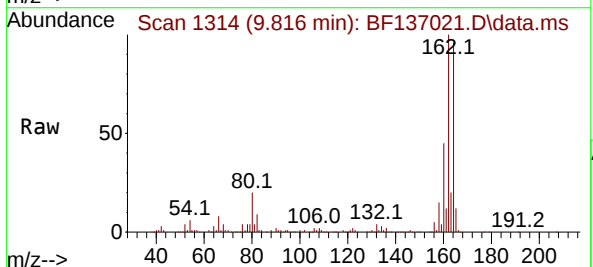
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

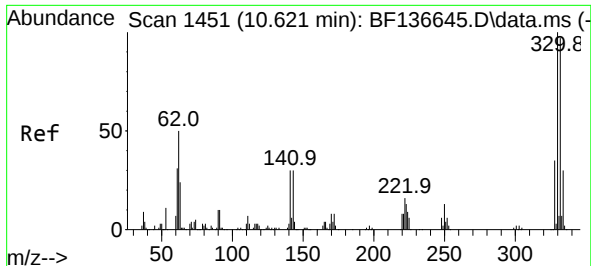
Tgt Ion: 82 Resp: 183888  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion:164 Resp: 81396  
Ion Ratio Lower Upper  
164 100  
162 103.9 81.6 122.4  
160 46.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 69.677 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Instrument :

BNA\_F

ClientSampleId :

TP-3

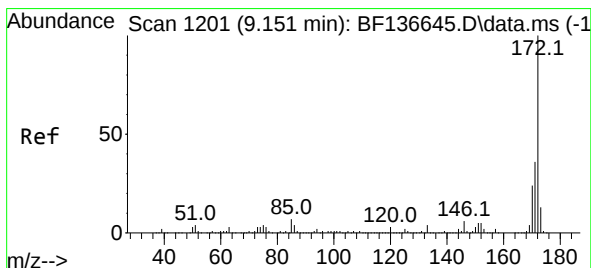
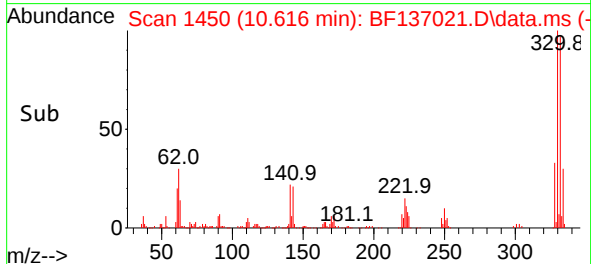
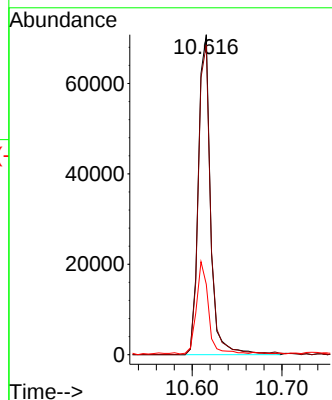
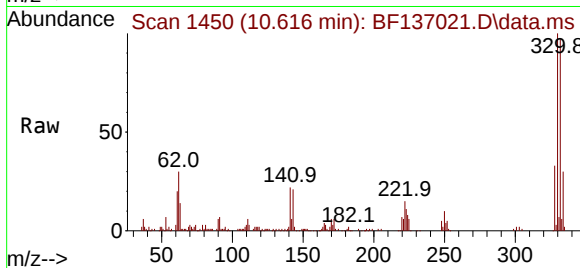
Tgt Ion:330 Resp: 66794

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 28.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 56.025 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

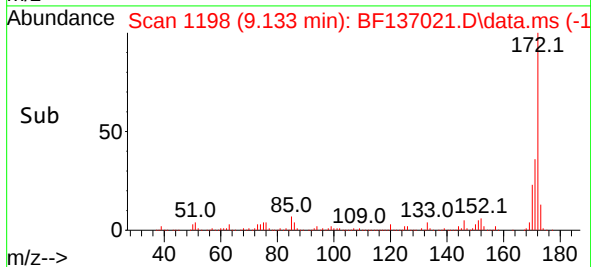
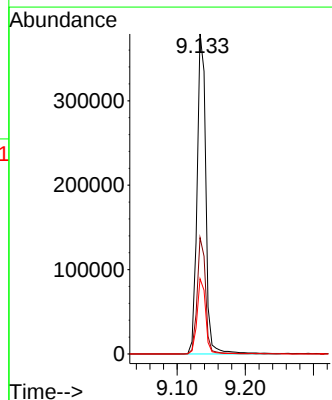
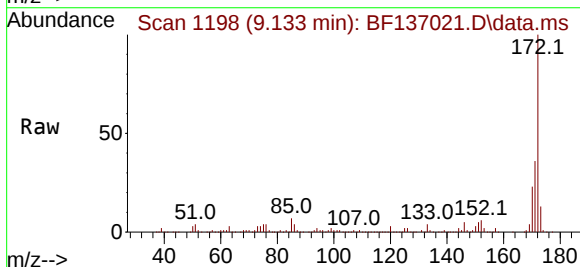
Tgt Ion:172 Resp: 339052

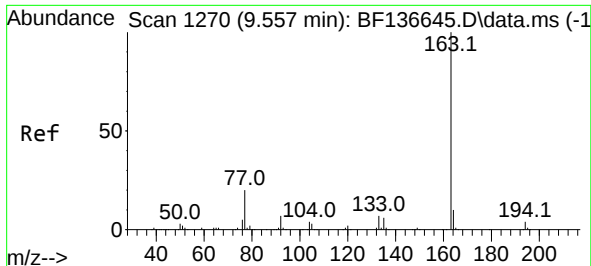
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

170 23.5 19.0 28.4

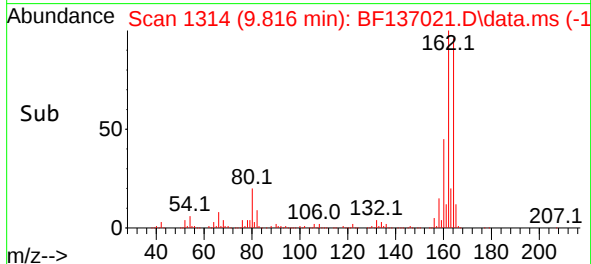
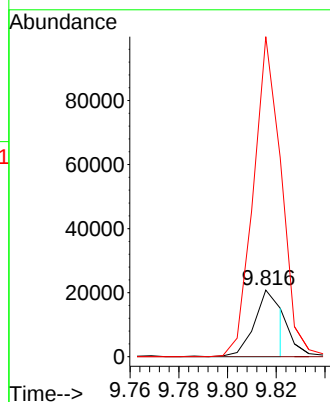
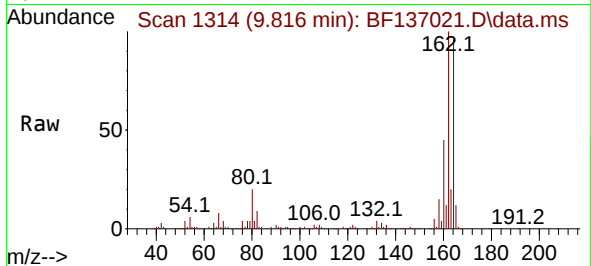




#50  
Dimethylphthalate  
Concen: 2.705 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

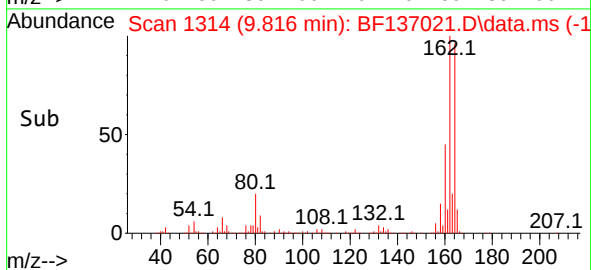
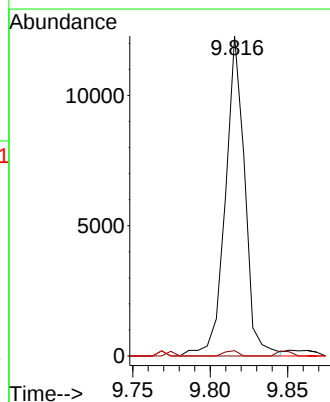
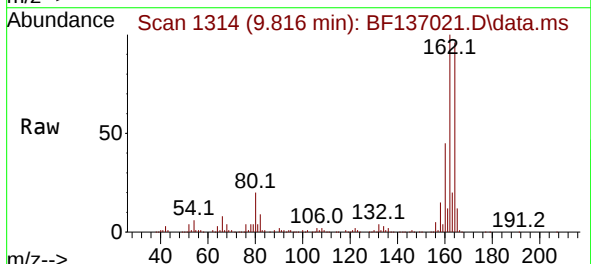
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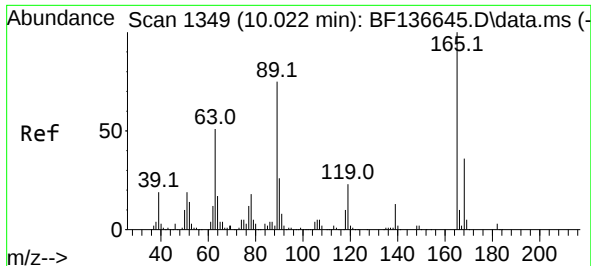
Tgt Ion:163 Resp: 16081  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 480.7 7.8 11.6#



#51  
2,6-Dinitrotoluene  
Concen: 7.927 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion:165 Resp: 10696  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.8 59.6#  
89 0.0 38.8 58.2#

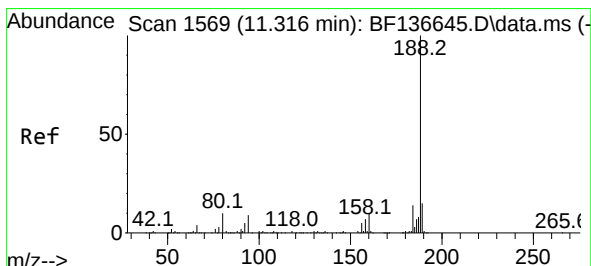
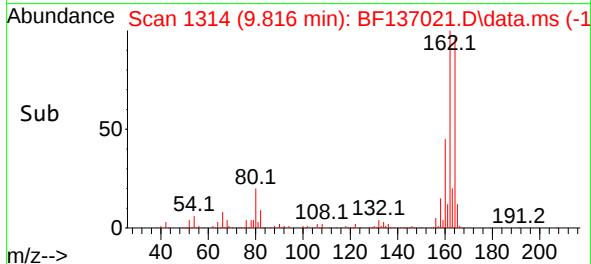
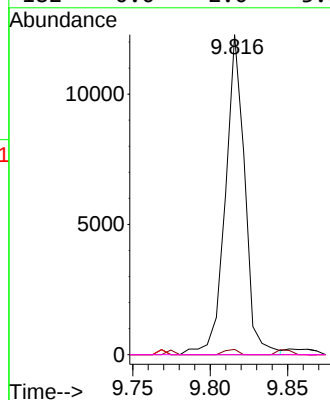
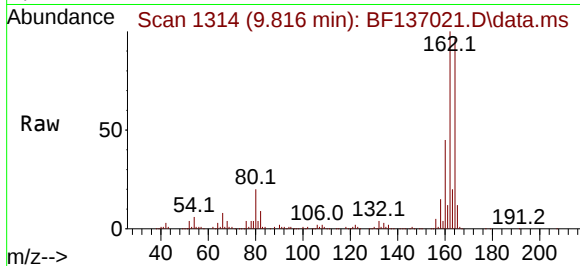




#57  
2,4-Dinitrotoluene  
Concen: 6.106 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

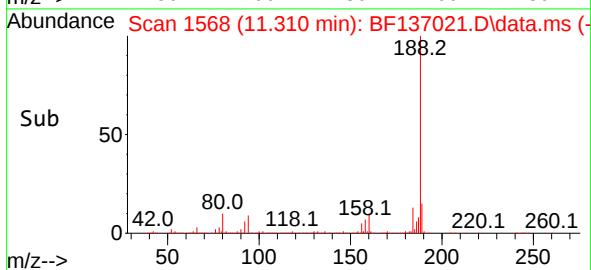
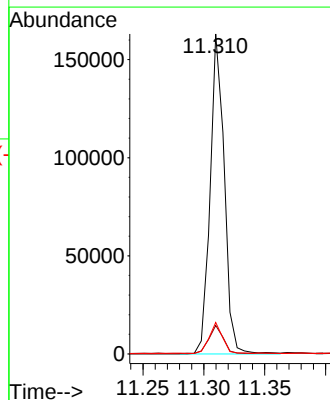
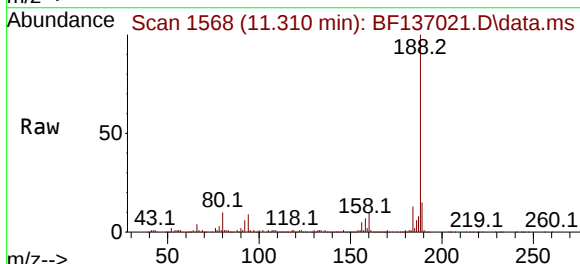
Instrument :  
BNA\_F  
ClientSampleId :  
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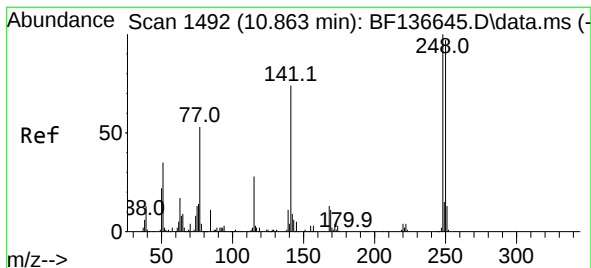
Tgt Ion:165 Resp: 10696  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.0 61.6#  
89 0.0 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion:188 Resp: 131556  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.5 11.3  
80 9.8 8.1 12.1

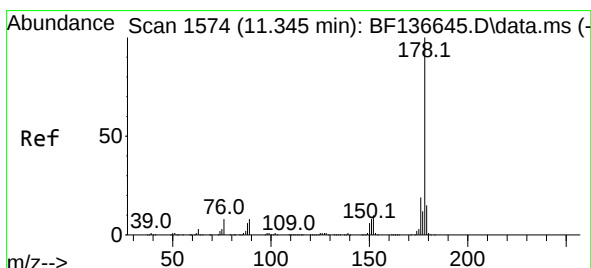
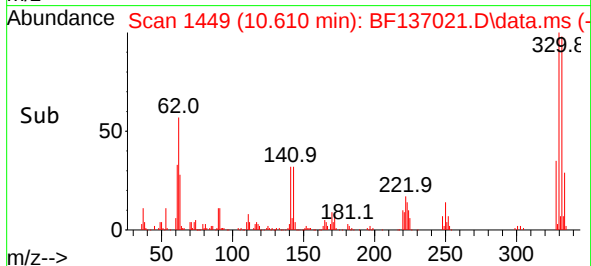
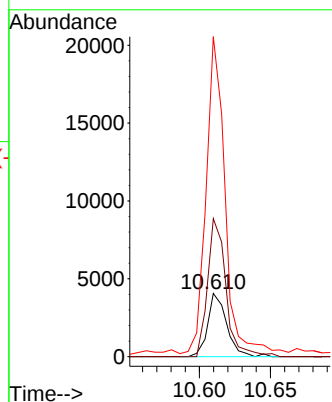
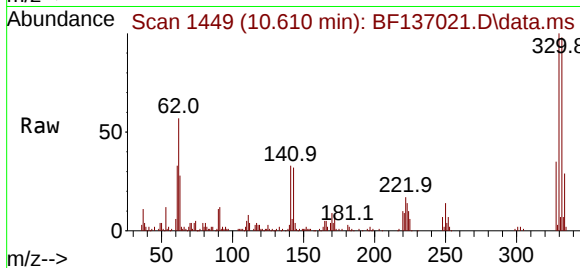




#67  
4-Bromophenyl-phenylether  
Concen: 2.603 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

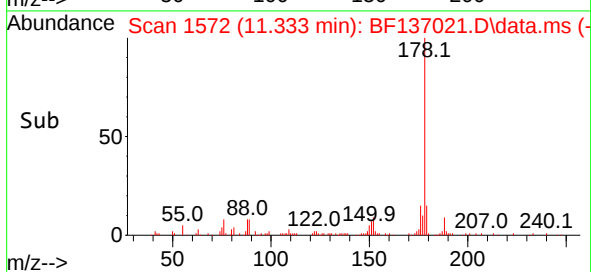
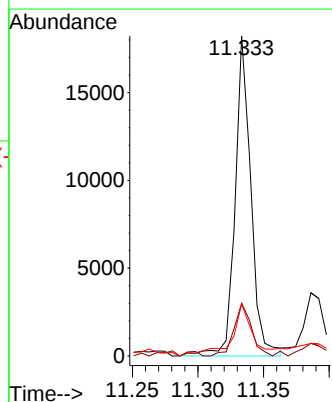
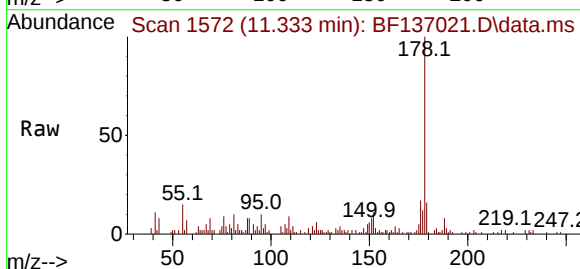
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

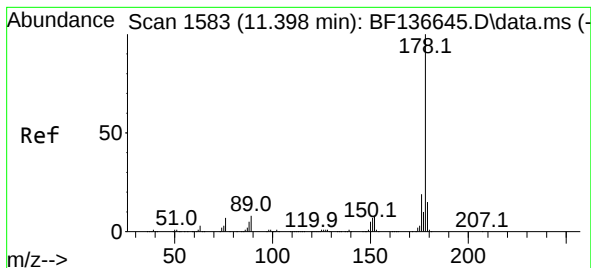
Tgt Ion:248 Resp: 3803  
Ion Ratio Lower Upper  
248 100  
250 218.7 77.8 116.6#  
141 507.0 59.2 88.8#



#71  
Phenanthrene  
Concen: 2.273 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF137021.D  
Acq: 10 Jan 2024 15:47

Tgt Ion:178 Resp: 15343  
Ion Ratio Lower Upper  
178 100  
176 16.5 15.3 22.9  
179 16.2 11.9 17.9





#72

Anthracene

Concen: 2.244 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Instrument :

BNA\_F

ClientSampleId :

TP-3

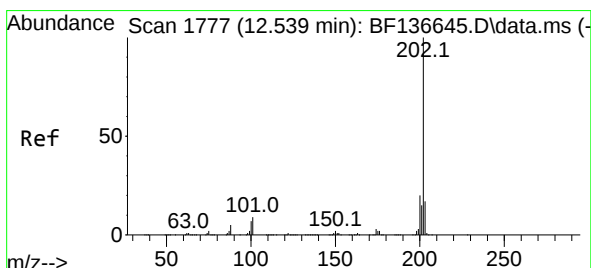
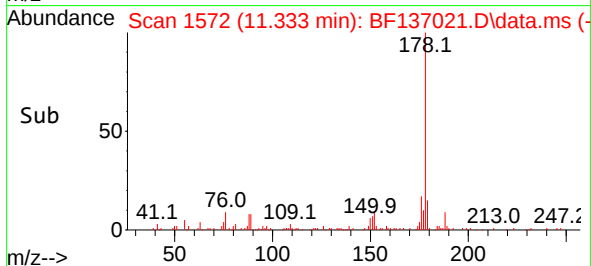
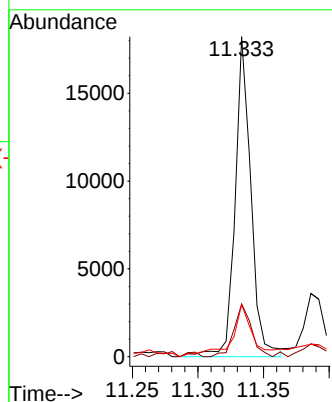
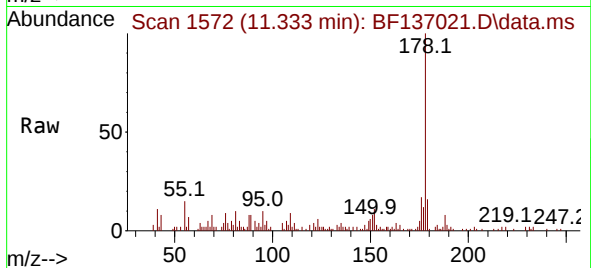
Tgt Ion:178 Resp: 15343

Ion Ratio Lower Upper

178 100

176 16.5 14.9 22.3

179 16.2 11.8 17.6



#75

Fluoranthene

Concen: 3.261 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

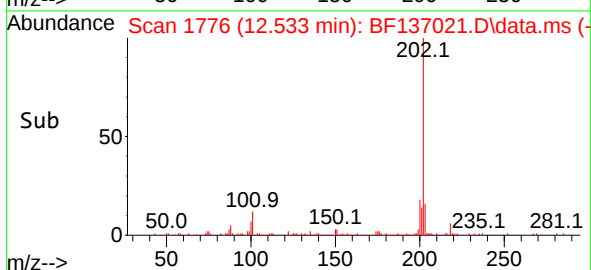
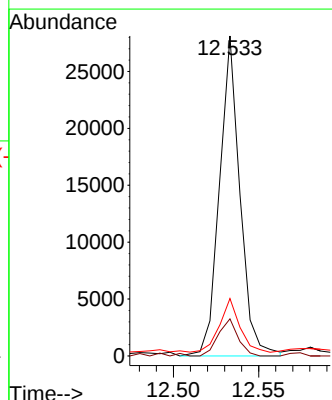
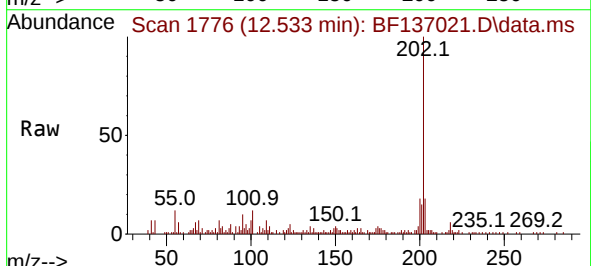
Tgt Ion:202 Resp: 23549

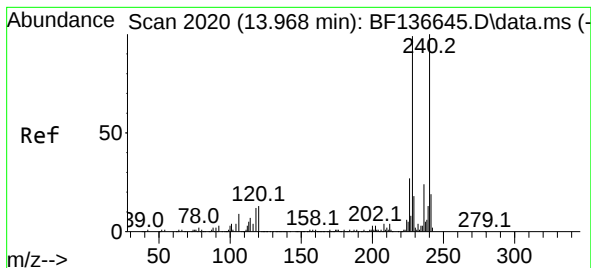
Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.3

203 18.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Instrument :

BNA\_F

ClientSampleId :

TP-3

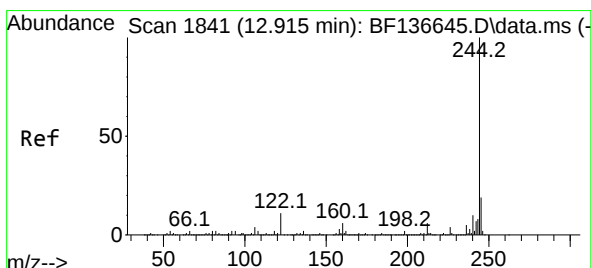
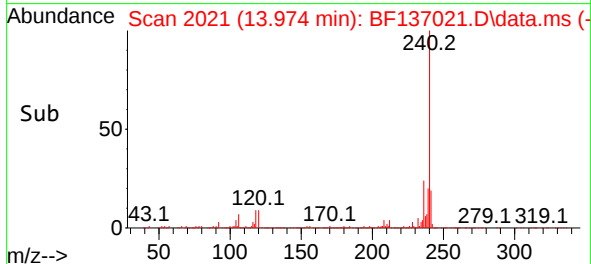
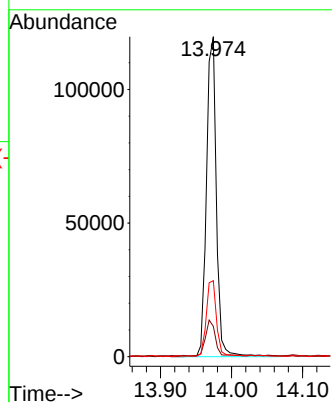
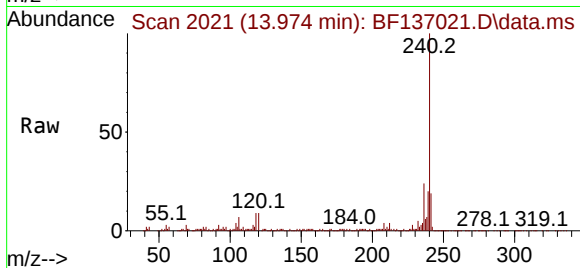
Tgt Ion:240 Resp: 116647

Ion Ratio Lower Upper

240 100

120 9.5 10.3 15.5#

236 23.8 19.4 29.2



#79

Terphenyl-d14

Concen: 36.236 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

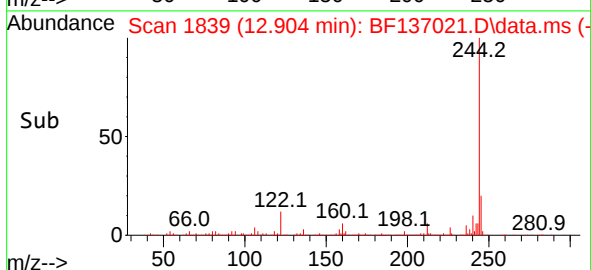
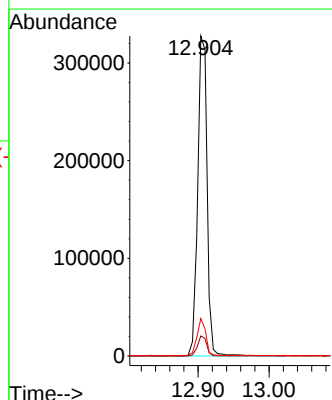
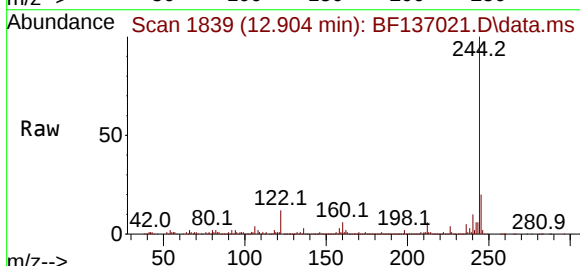
Tgt Ion:244 Resp: 302462

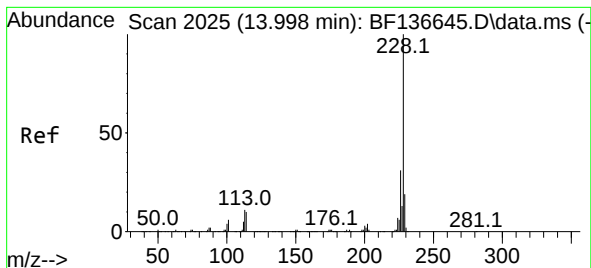
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.7 9.0 13.4





#83

Chrysene

Concen: 2.227 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Instrument :

BNA\_F

ClientSampleId :

TP-3

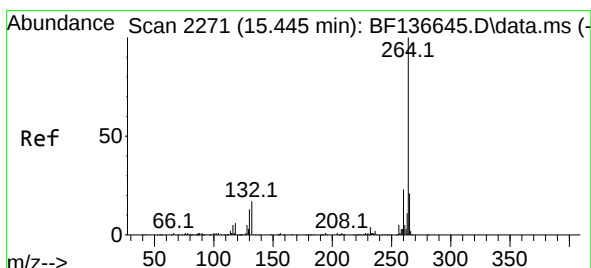
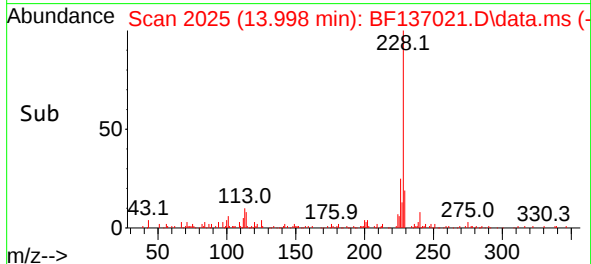
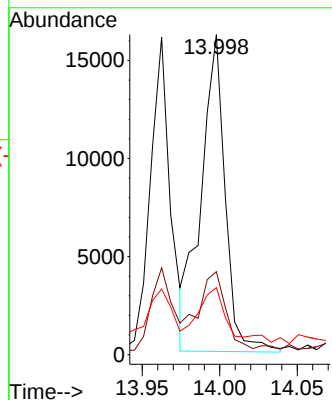
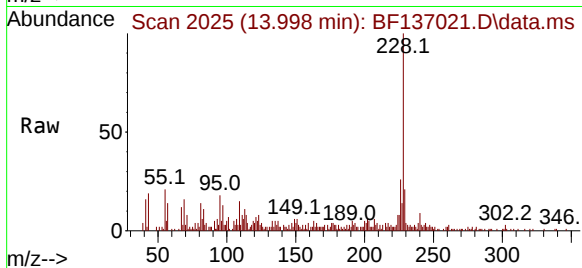
Tgt Ion:228 Resp: 17639

Ion Ratio Lower Upper

228 100

226 26.0 24.7 37.1

229 21.0 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

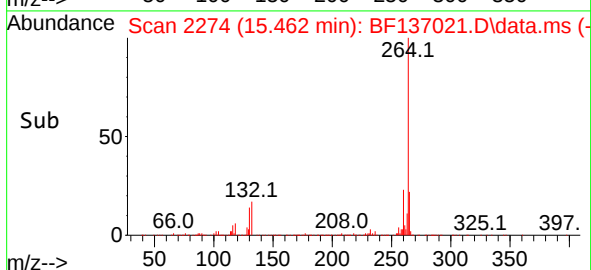
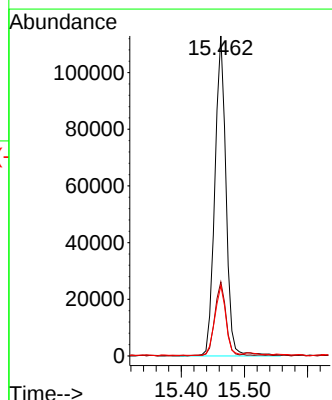
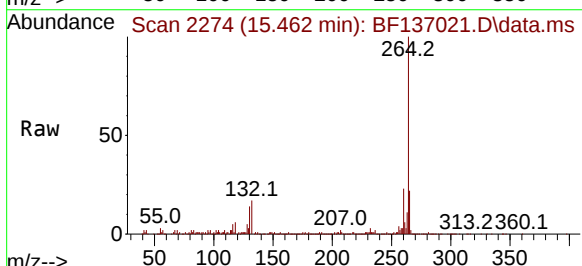
Tgt Ion:264 Resp: 138685

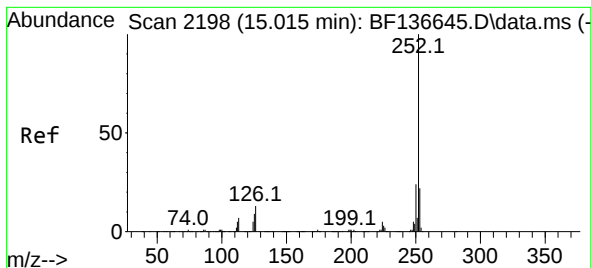
Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 22.0 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 3.497 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Instrument :

BNA\_F

ClientSampleId :

TP-3

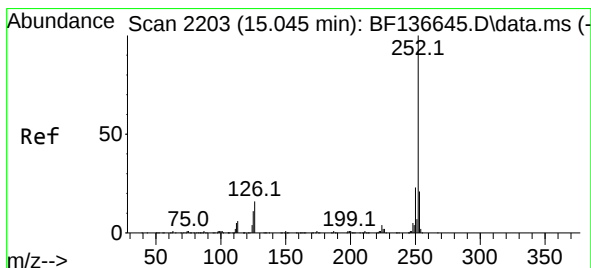
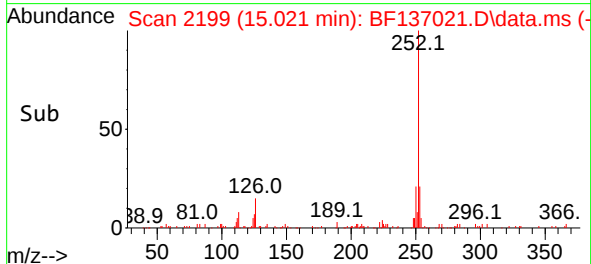
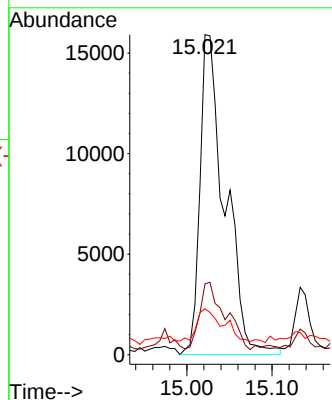
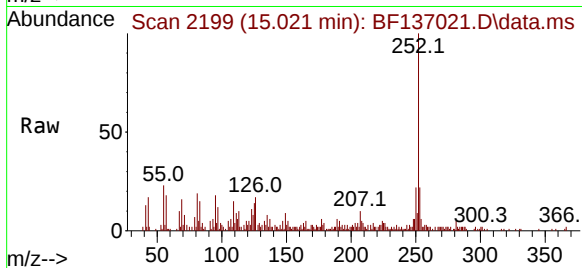
Tgt Ion:252 Resp: 32391

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 14.3 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 3.701 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF137021.D

Acq: 10 Jan 2024 15:47

Tgt Ion:252 Resp: 32391

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 14.3 8.2 12.4#

