

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011024\  
 Data File : BF137022.D  
 Acq On : 10 Jan 2024 16:20  
 Operator : CG\JU  
 Sample : P1085-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4

Quant Time: Jan 10 16:54:26 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

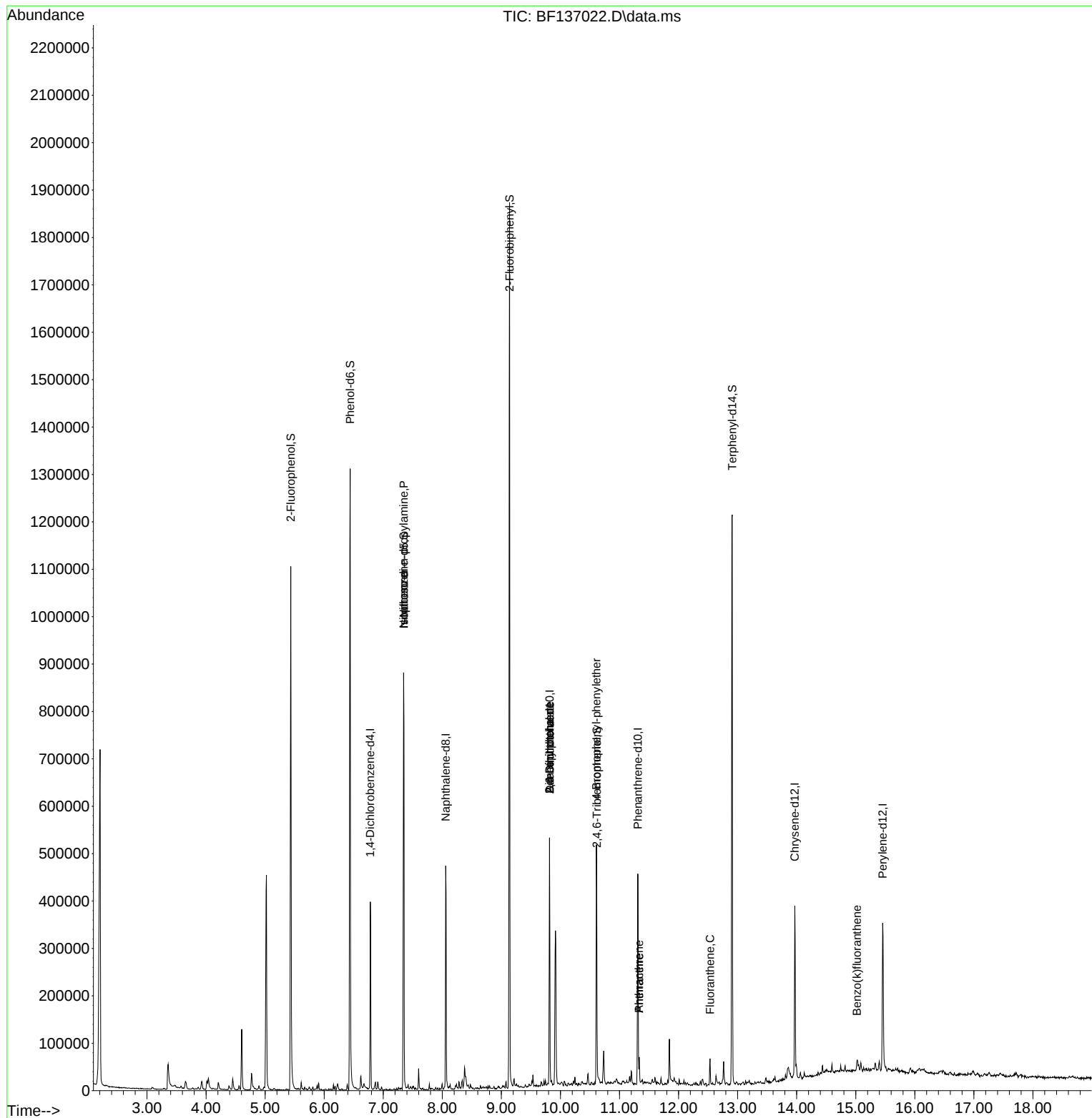
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 57680    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 208907   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 98456    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 159017   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 120385   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 148733   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 297759   | 80.546 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.439  | 99   | 466419   | 97.371 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 294808   | 72.212 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 64726    | 55.820 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 558511   | 76.297 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 457189   | 53.072 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 38262    | 13.177 | ng    | # 76     |
| 25) Isophorone                | 7.345  | 82   | 294846   | 39.691 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 19080    | 2.653  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 13135    | 8.048  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 13135    | 6.199  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 3906     | 2.212  | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 17458    | 2.140  | ng    | 98       |
| 72) Anthracene                | 11.333 | 178  | 17458    | 2.113  | ng    | 98       |
| 75) Fluoranthene              | 12.533 | 202  | 21181    | 2.427  | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 19375    | 2.064  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

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Sample : P1085-07  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Jan 10 16:54:26 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  
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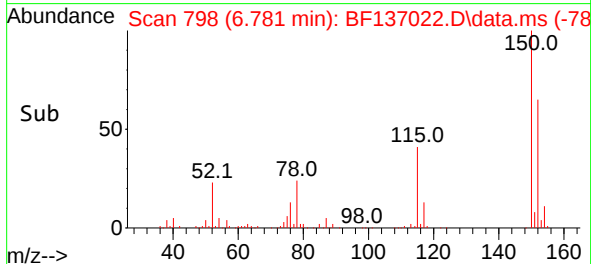
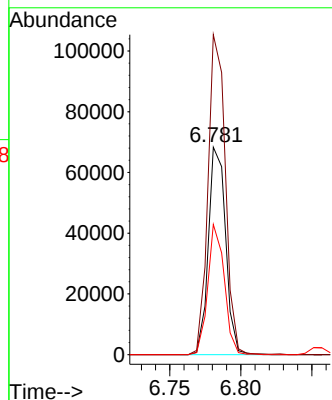
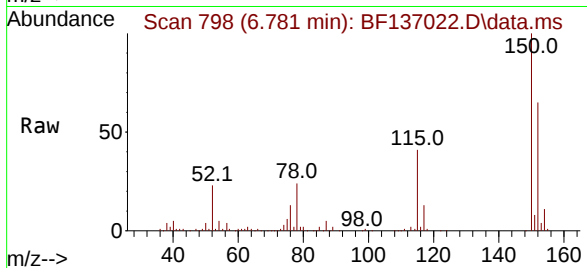




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

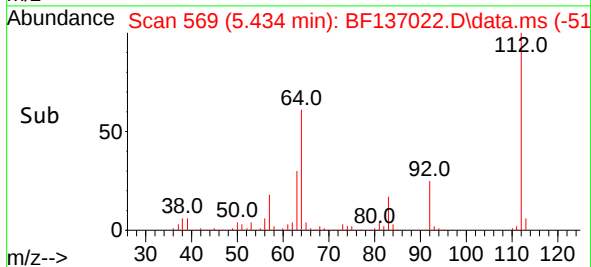
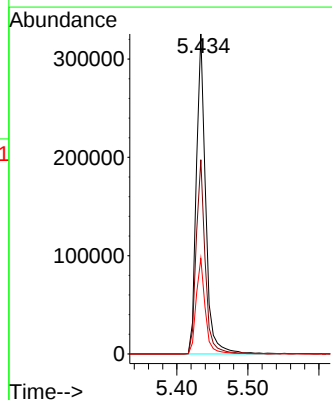
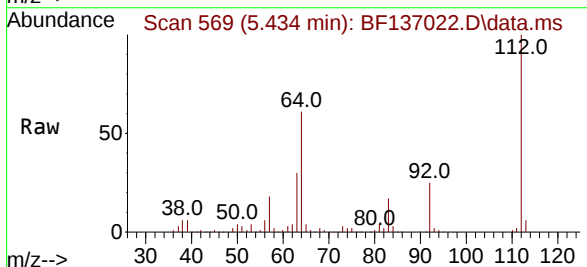
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

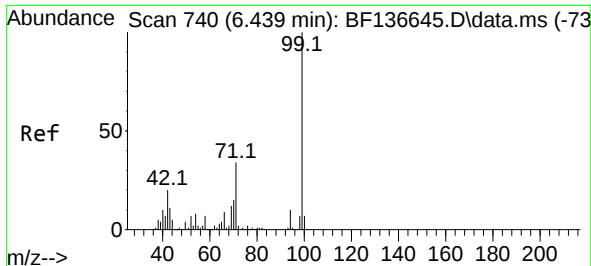
Tgt Ion:152 Resp: 57680  
Ion Ratio Lower Upper  
152 100  
150 154.2 127.0 190.6  
115 62.7 49.0 73.4



#5  
2-Fluorophenol  
Concen: 80.546 ng  
RT: 5.434 min Scan# 569  
Delta R.T. 0.006 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion:112 Resp: 297759  
Ion Ratio Lower Upper  
112 100  
64 60.7 51.1 76.7  
63 29.9 26.1 39.1

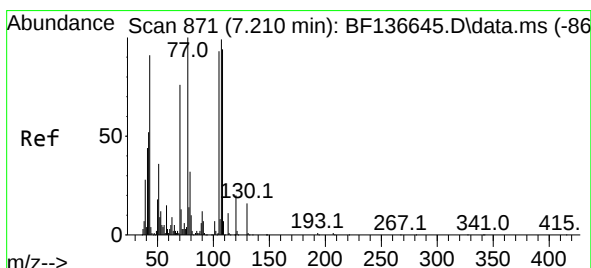
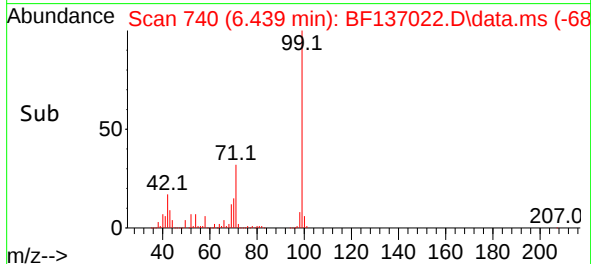
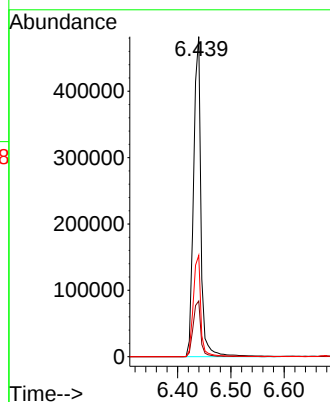
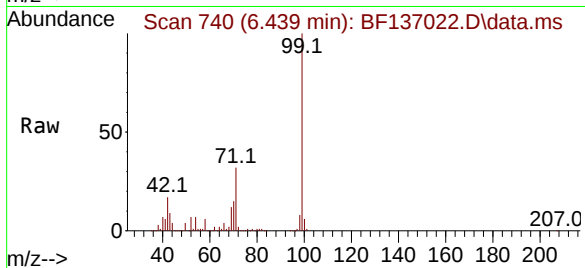




#7  
Phenol-d6  
Concen: 97.371 ng  
RT: 6.439 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

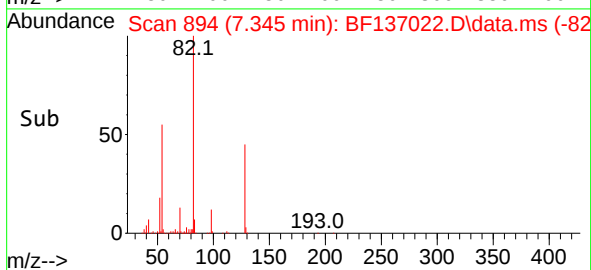
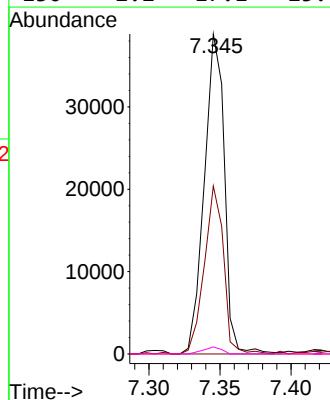
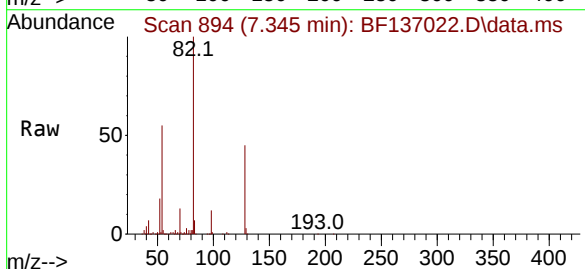
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Tgt Ion: 99 Resp: 466419  
Ion Ratio Lower Upper  
99 100  
42 17.4 16.1 24.1  
71 31.7 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.177 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion: 70 Resp: 38262  
Ion Ratio Lower Upper  
70 100  
42 52.5 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.2 17.1 25.7#



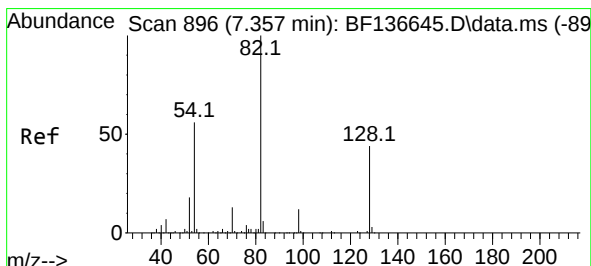
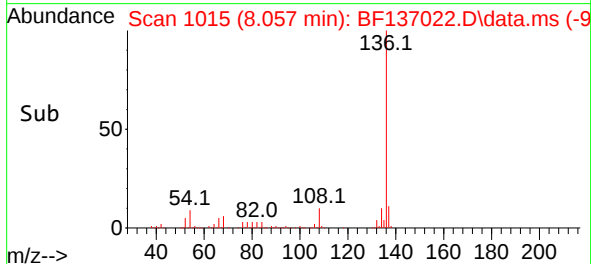
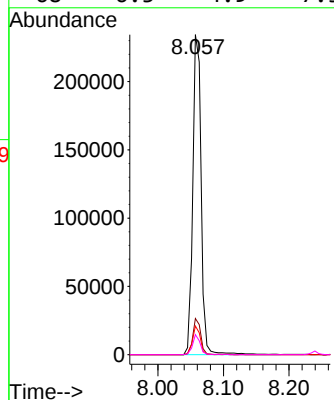
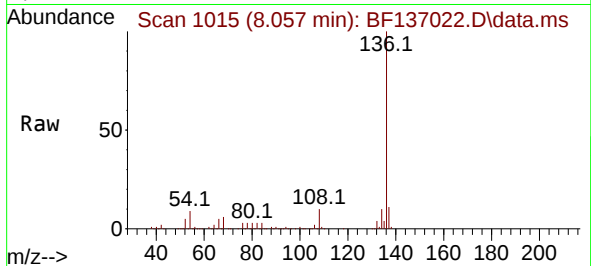


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Tgt Ion:136 Resp: 208907

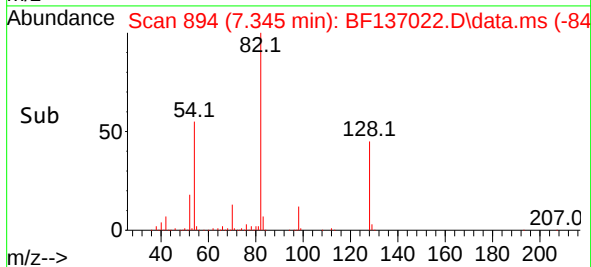
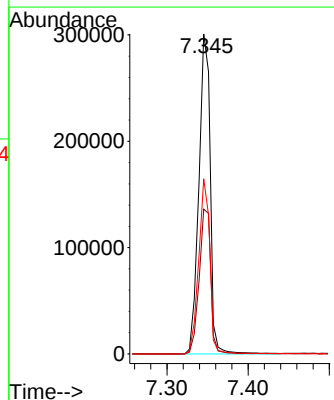
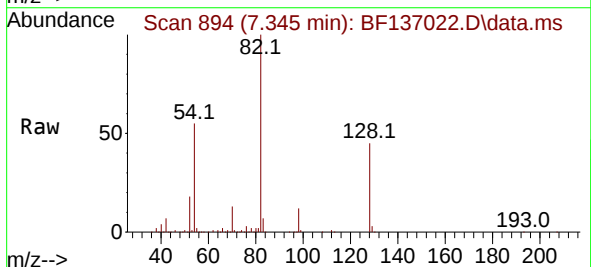
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.0   | 13.4  |
| 54  | 9.0   | 7.2   | 10.8  |
| 68  | 6.3   | 4.9   | 7.3   |

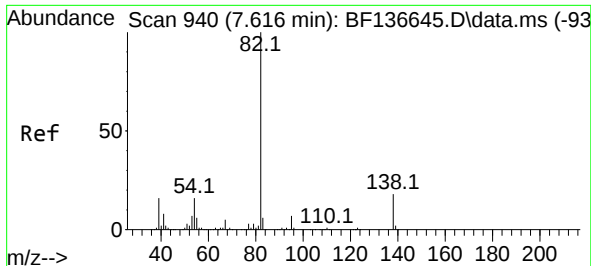


#23  
Nitrobenzene-d5  
Concen: 72.212 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion: 82 Resp: 294808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.2  | 35.3  | 52.9  |
| 54  | 54.8  | 44.5  | 66.7  |

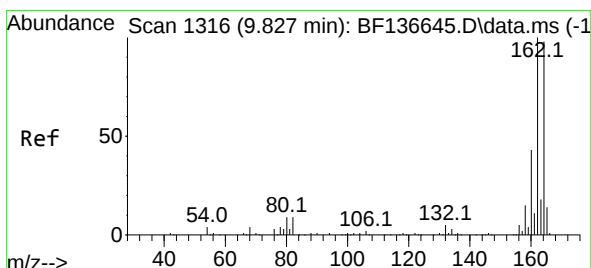
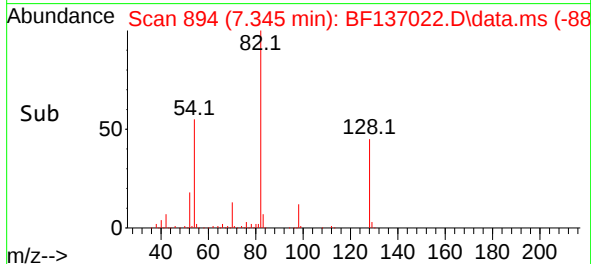
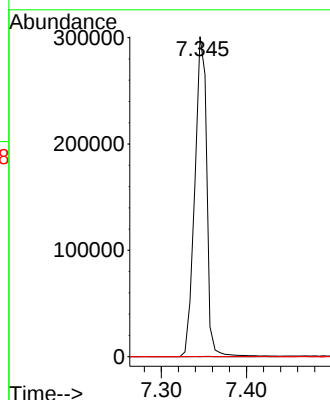
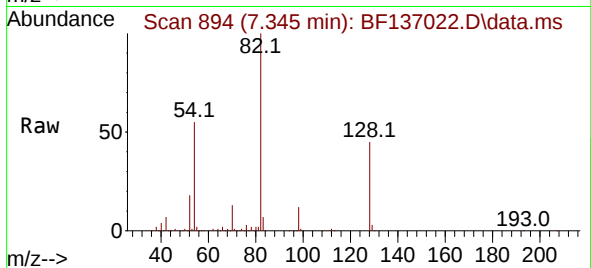




#25  
Isophorone  
Concen: 39.691 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

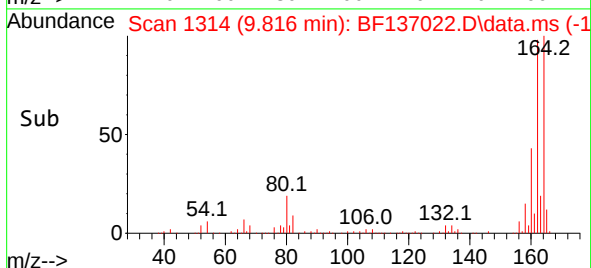
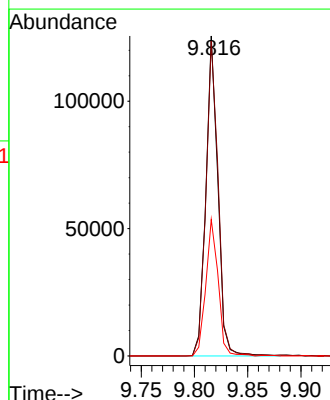
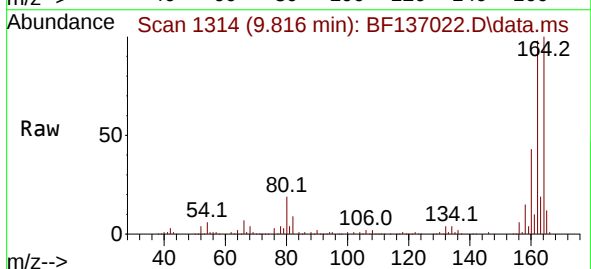
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Tgt Ion: 82 Resp: 294846  
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: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion:164 Resp: 98456  
Ion Ratio Lower Upper  
164 100  
162 98.4 81.6 122.4  
160 42.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 55.820 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

Instrument :

BNA\_F

ClientSampleId :

TP-4

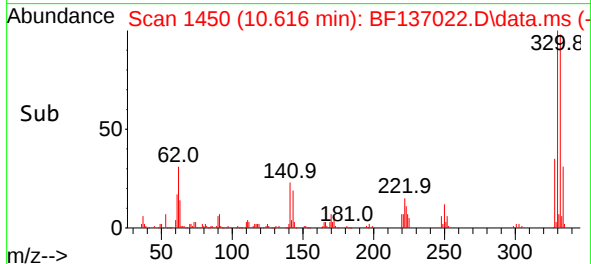
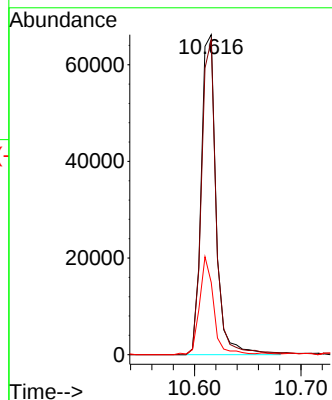
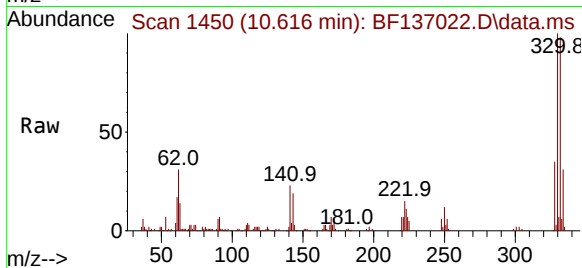
Tgt Ion:330 Resp: 64726

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 76.297 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

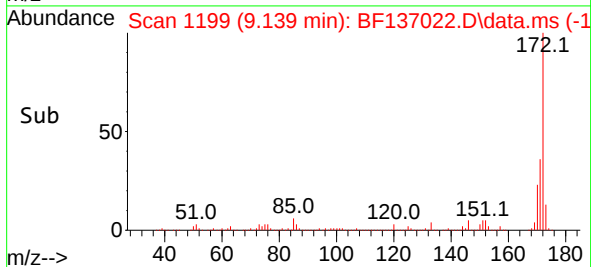
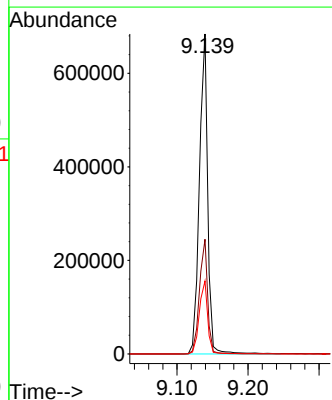
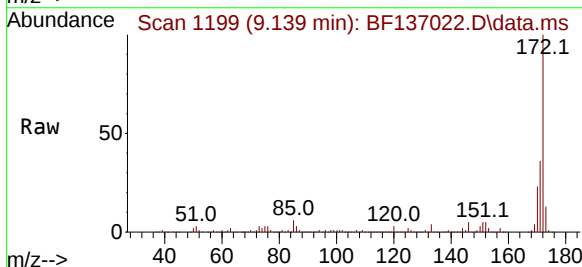
Tgt Ion:172 Resp: 558511

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 22.8 19.0 28.4

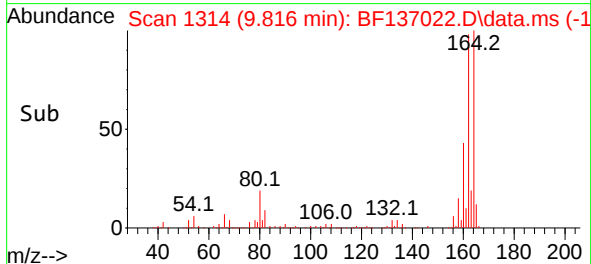
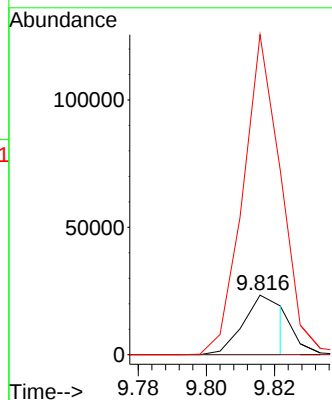
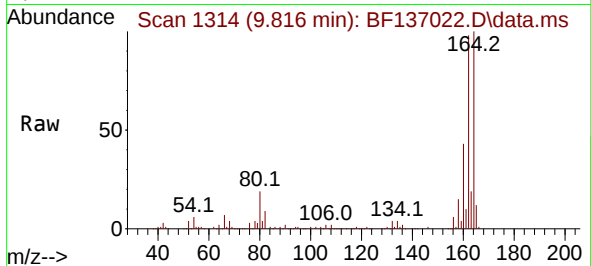




#50  
Dimethylphthalate  
Concen: 2.653 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

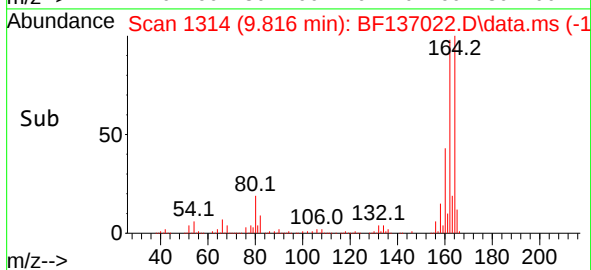
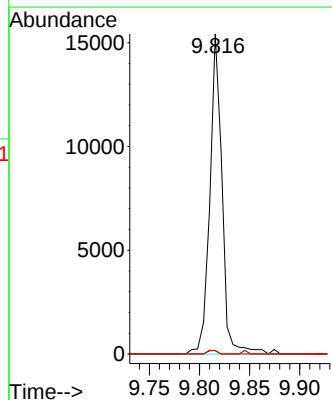
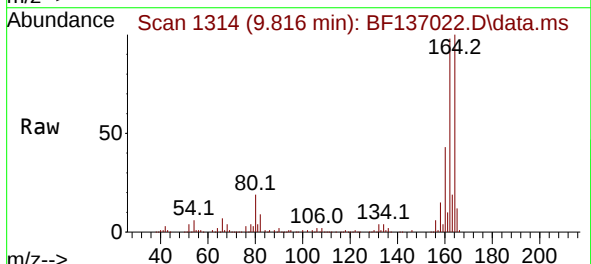
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ClientSampleId :  
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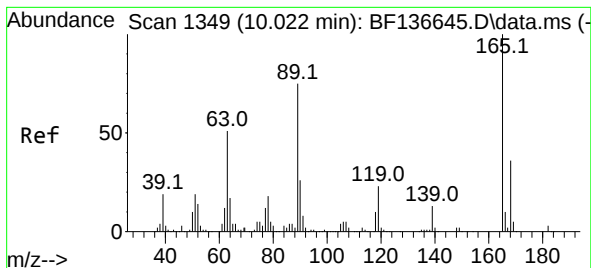
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Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 538.2 7.8 11.6#



#51  
2,6-Dinitrotoluene  
Concen: 8.048 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion:165 Resp: 13135  
Ion Ratio Lower Upper  
165 100  
63 1.1 39.8 59.6#  
89 1.0 38.8 58.2#

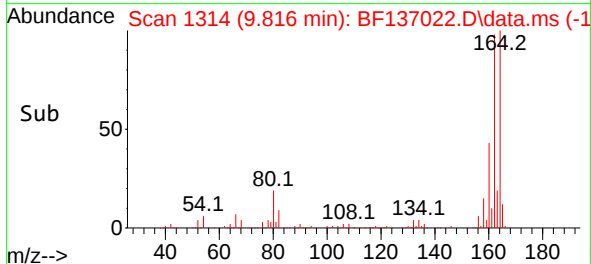
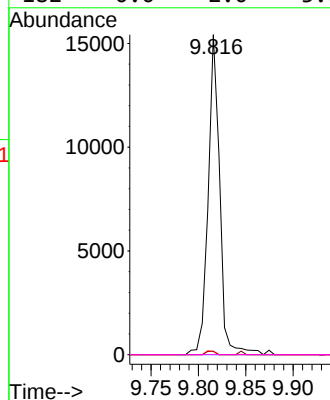
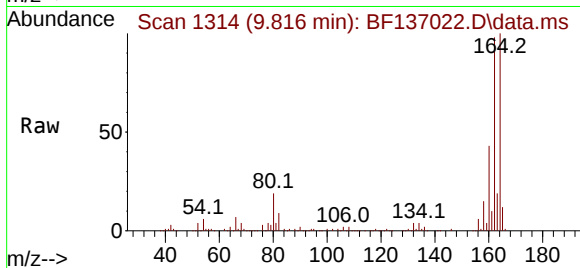




#57  
2,4-Dinitrotoluene  
Concen: 6.199 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

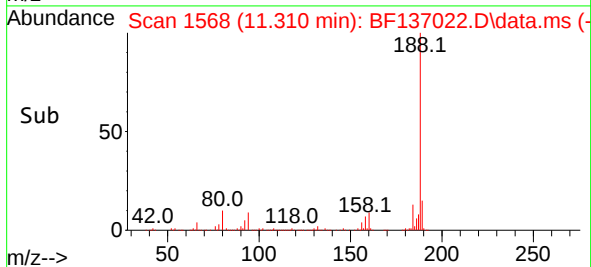
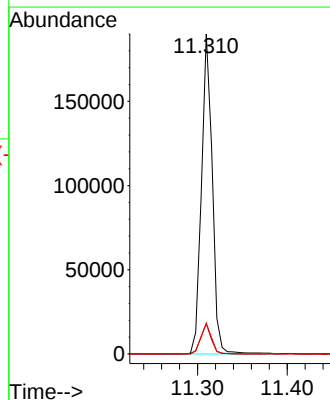
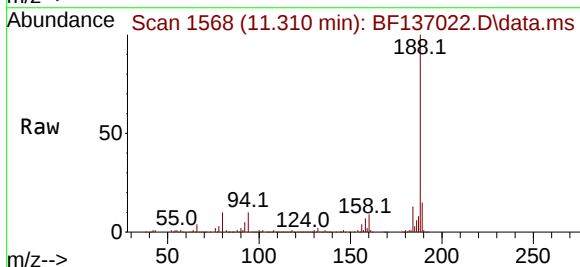
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

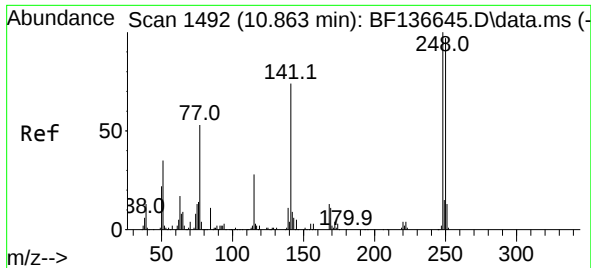
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Ion Ratio Lower Upper  
165 100  
63 1.1 41.0 61.6#  
89 1.0 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion:188 Resp: 159017  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.5 11.3  
80 9.6 8.1 12.1

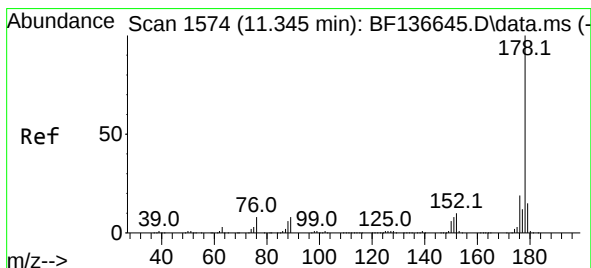
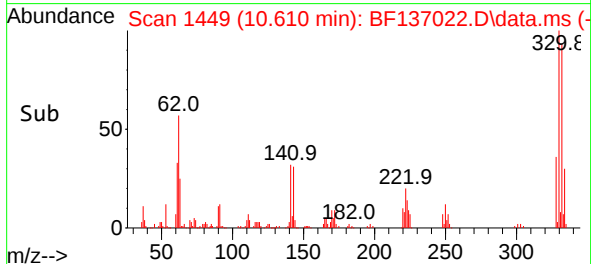
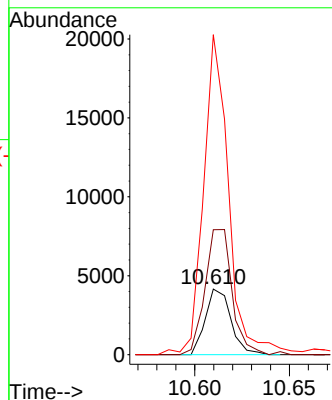
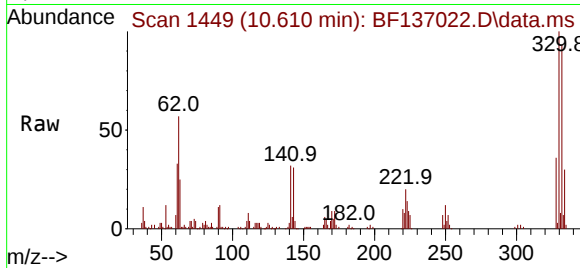




#67  
4-Bromophenyl-phenylether  
Concen: 2.212 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

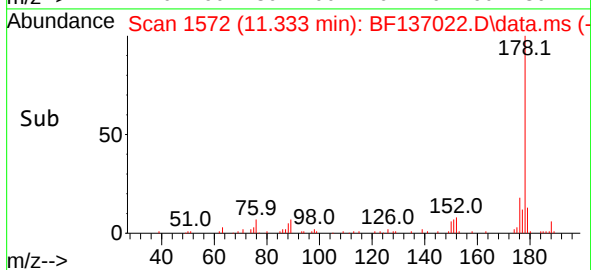
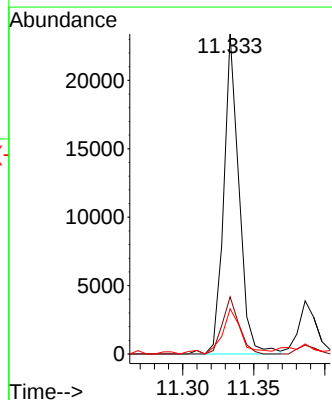
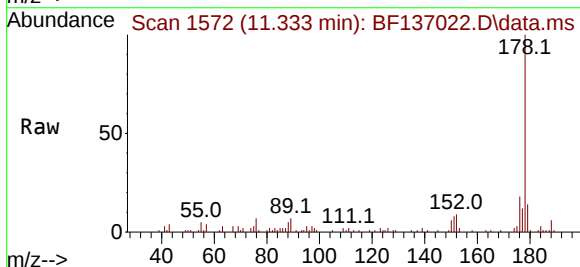
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

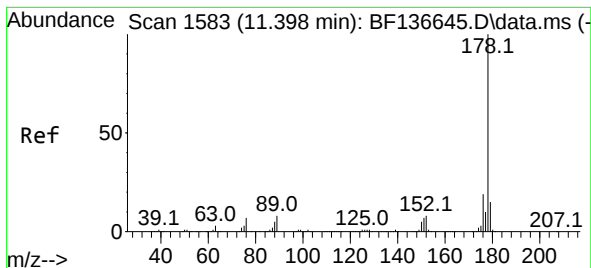
Tgt Ion:248 Resp: 3906  
Ion Ratio Lower Upper  
248 100  
250 190.5 77.8 116.6#  
141 487.5 59.2 88.8#



#71  
Phenanthrene  
Concen: 2.140 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF137022.D  
Acq: 10 Jan 2024 16:20

Tgt Ion:178 Resp: 17458  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.3 22.9  
179 14.1 11.9 17.9





#72

Anthracene

Concen: 2.113 ng

RT: 11.333 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

Instrument :

BNA\_F

ClientSampleId :

TP-4

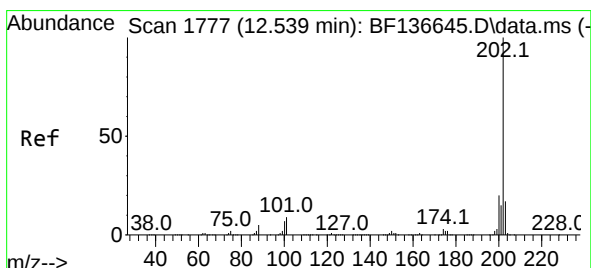
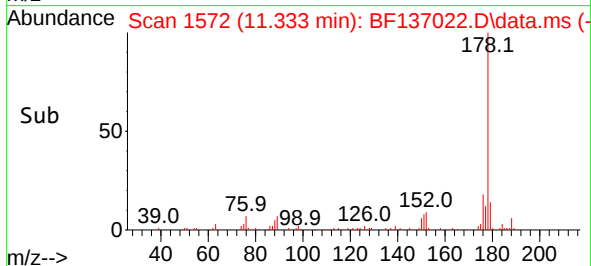
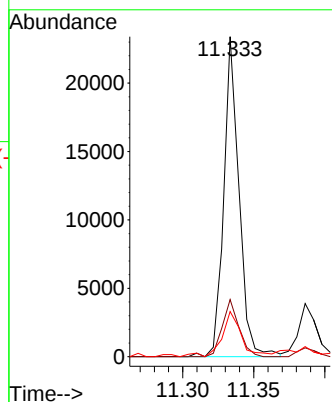
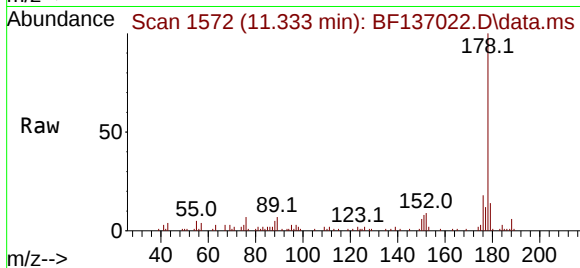
Tgt Ion:178 Resp: 17458

Ion Ratio Lower Upper

178 100

176 17.9 14.9 22.3

179 14.1 11.8 17.6



#75

Fluoranthene

Concen: 2.427 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

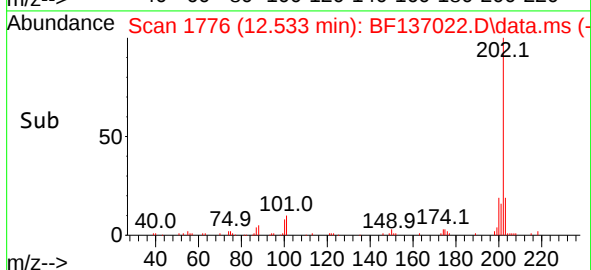
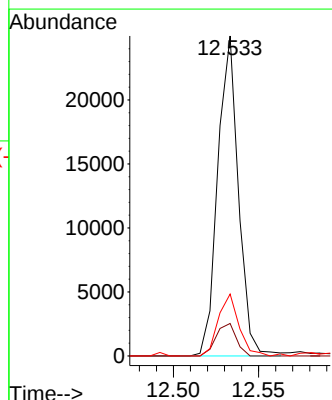
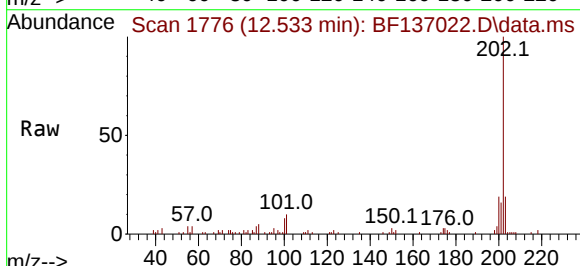
Tgt Ion:202 Resp: 21181

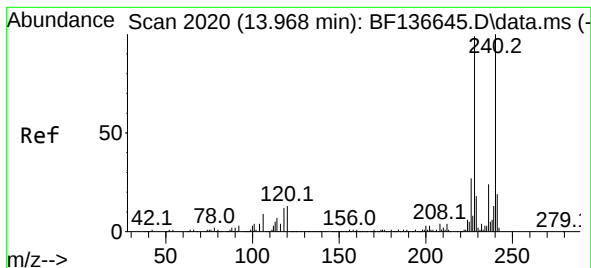
Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.3

203 19.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

Instrument :

BNA\_F

ClientSampleId :

TP-4

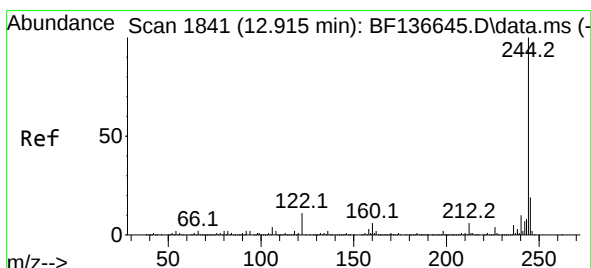
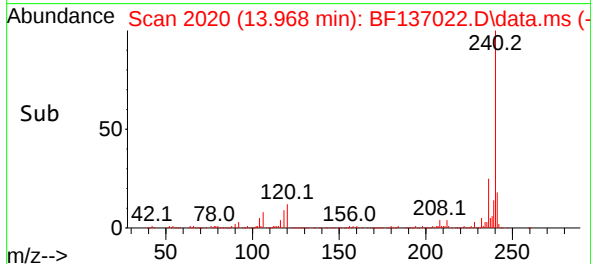
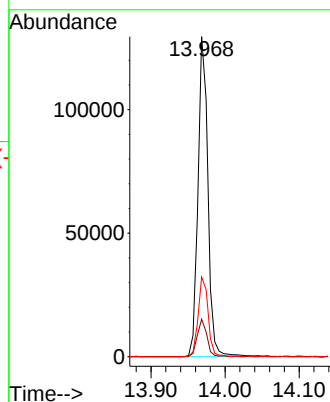
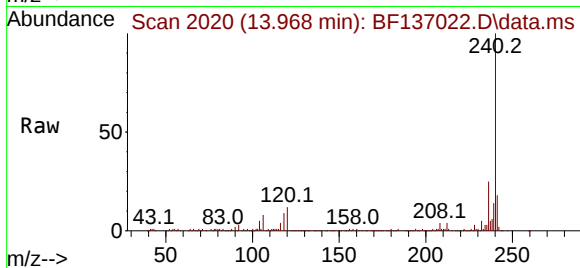
Tgt Ion:240 Resp: 120385

Ion Ratio Lower Upper

240 100

120 11.7 10.3 15.5

236 24.9 19.4 29.2



#79

Terphenyl-d14

Concen: 53.072 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

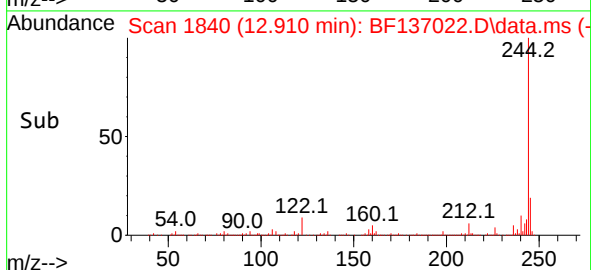
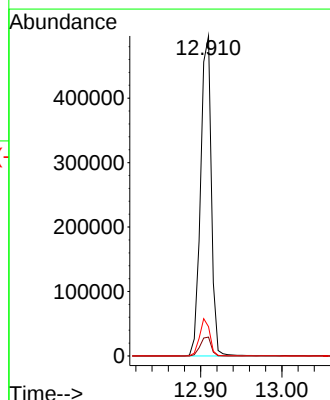
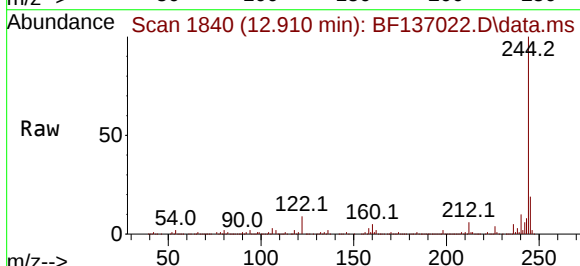
Tgt Ion:244 Resp: 457189

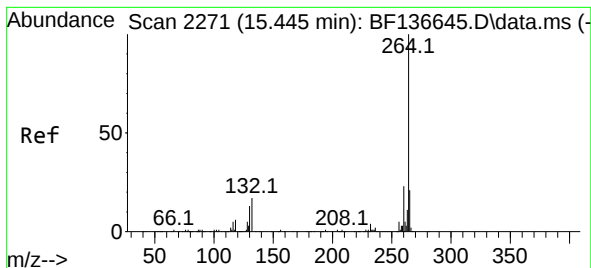
Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 9.2 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

Instrument :

BNA\_F

ClientSampleId :

TP-4

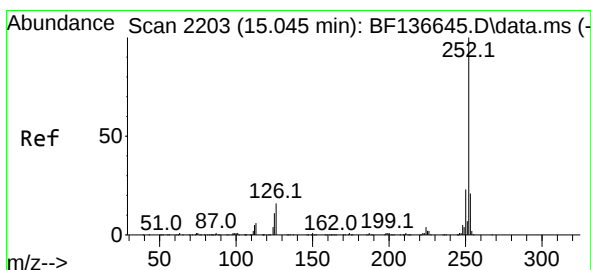
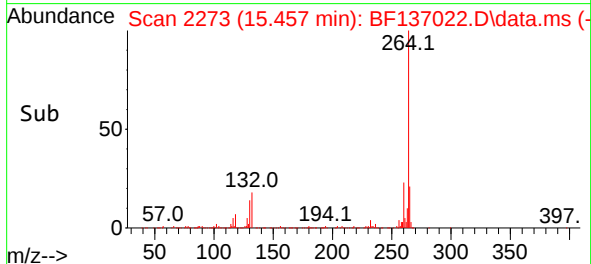
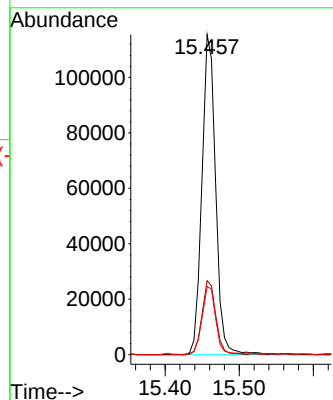
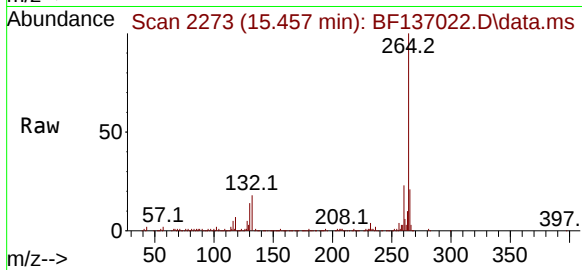
Tgt Ion:264 Resp: 148733

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.3 17.0 25.6



#89

Benzo(k)fluoranthene

Concen: 2.064 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF137022.D

Acq: 10 Jan 2024 16:20

Tgt Ion:252 Resp: 19375

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

125 14.2 8.2 12.4#

