

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011224\  
 Data File : BF137050.D  
 Acq On : 12 Jan 2024 15:59  
 Operator : CG\JU  
 Sample : P1104-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Jan 12 16:19:32 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

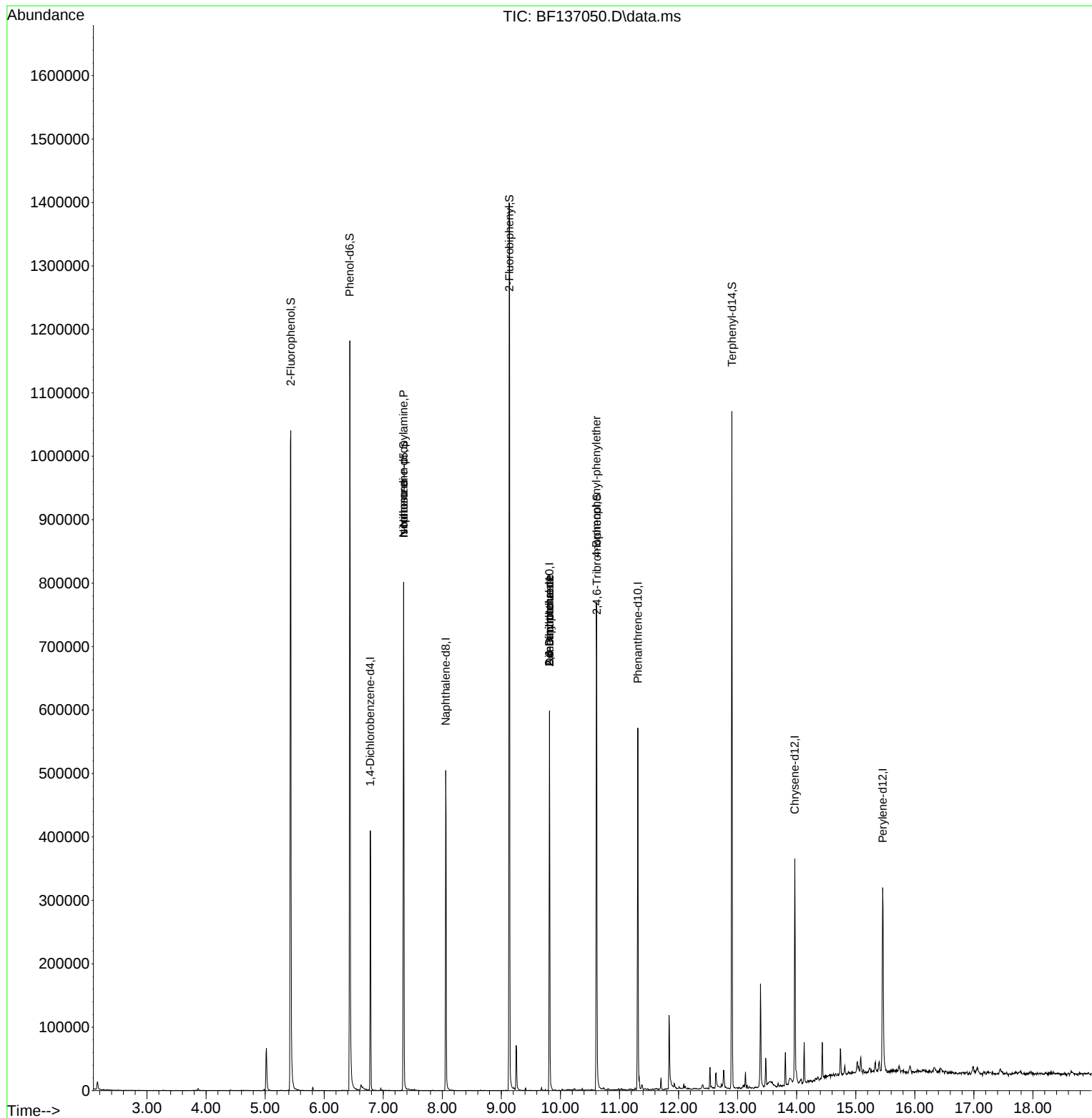
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 58928    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 227837   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 113410   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 196656   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 113881   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 141014   | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 318032   | 84.208 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 400445   | 81.828 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 237751   | 53.398 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 107001   | 80.111 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 464423   | 55.078 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 347820   | 42.682 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 30656    | 10.334 | ng    | # 73     |
| 25) Isophorone                | 7.345  | 82   | 237749   | 29.346 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 21703    | 2.620  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 14344    | 7.630  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 14344    | 5.877  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 5824     | 2.667  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

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

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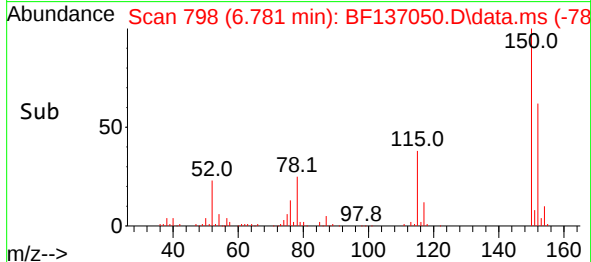
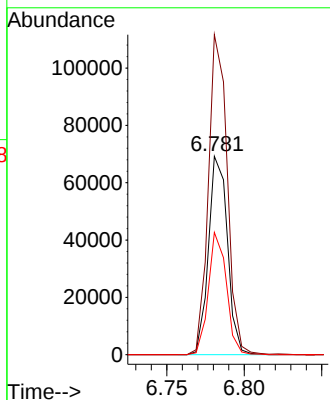
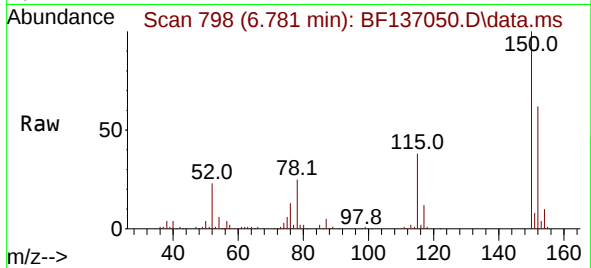




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

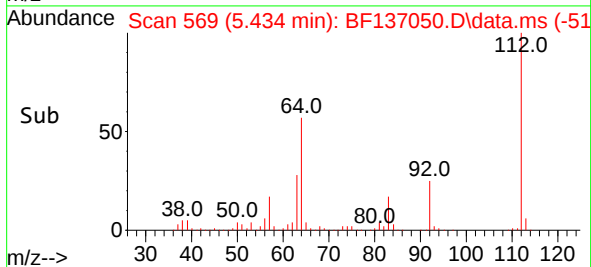
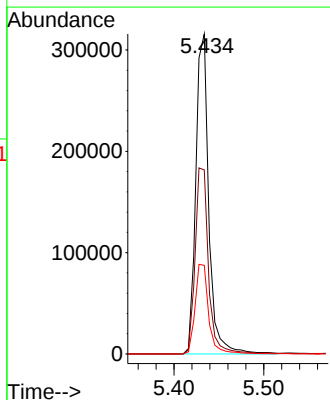
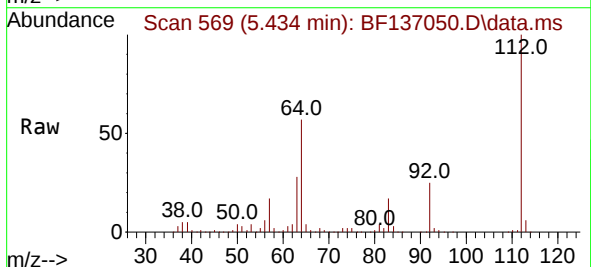
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

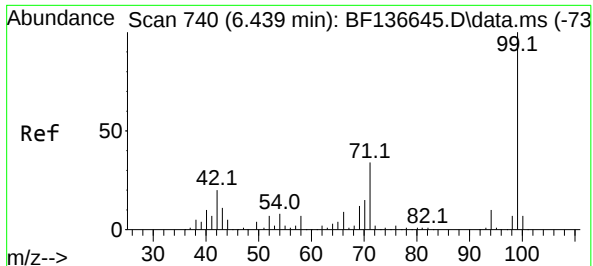
Tgt Ion:152 Resp: 58928  
Ion Ratio Lower Upper  
152 100  
150 161.3 127.0 190.6  
115 61.6 49.0 73.4



#5  
2-Fluorophenol  
Concen: 84.208 ng  
RT: 5.434 min Scan# 569  
Delta R.T. 0.006 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion:112 Resp: 318032  
Ion Ratio Lower Upper  
112 100  
64 57.5 51.1 76.7  
63 27.7 26.1 39.1

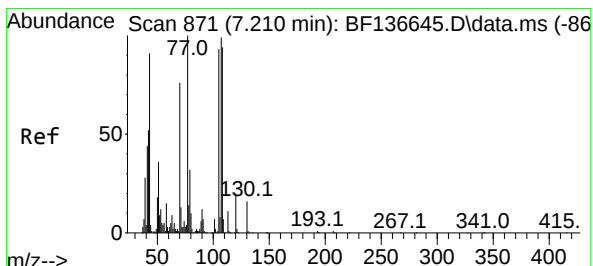
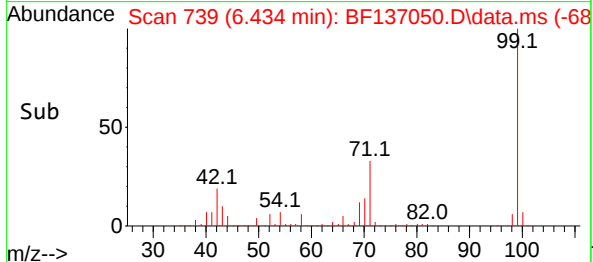
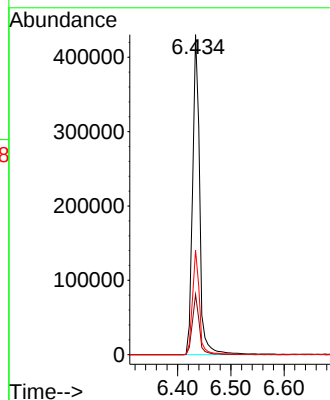
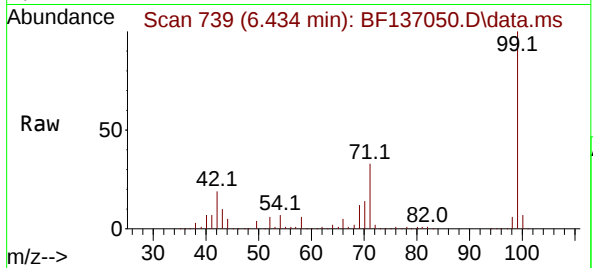




#7  
Phenol-d6  
Concen: 81.828 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

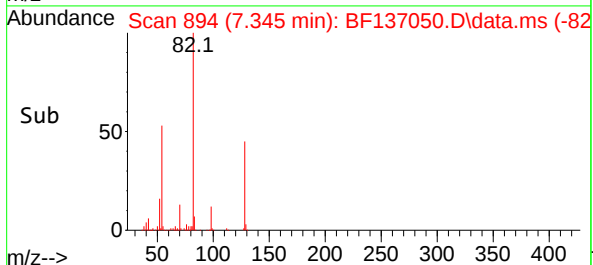
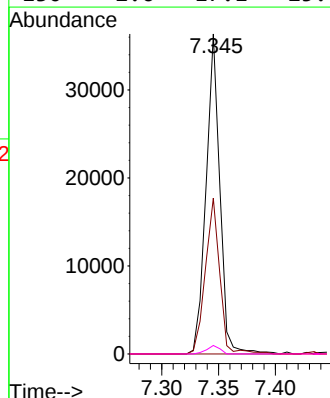
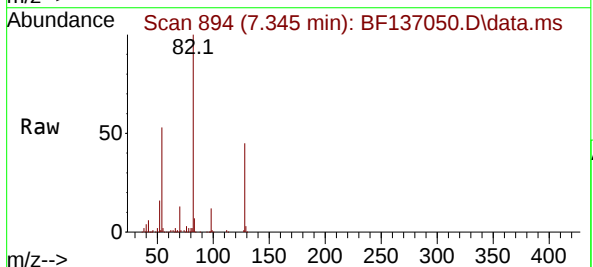
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion: 99 Resp: 400445  
Ion Ratio Lower Upper  
99 100  
42 18.8 16.1 24.1  
71 32.7 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.334 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion: 70 Resp: 30656  
Ion Ratio Lower Upper  
70 100  
42 48.7 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.6 17.1 25.7#



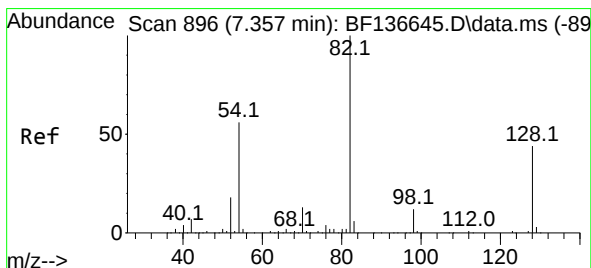
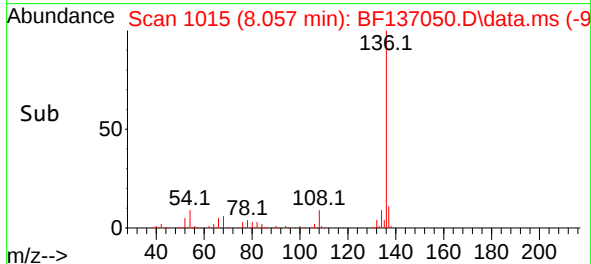
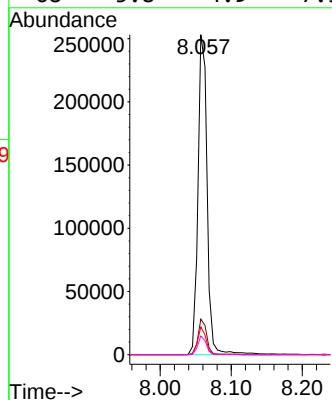
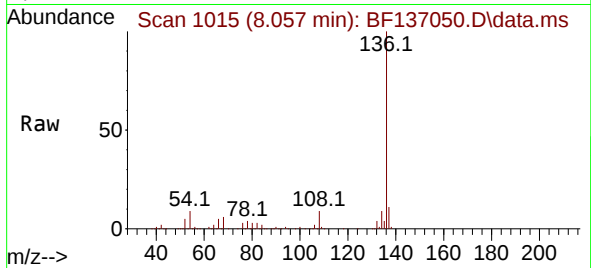


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion:136 Resp: 227837

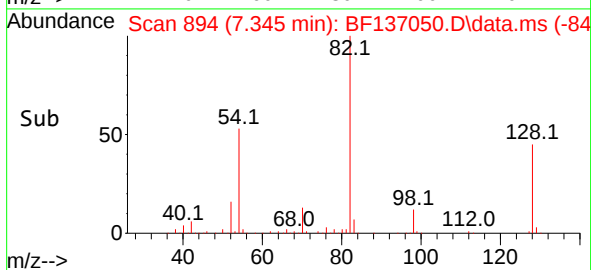
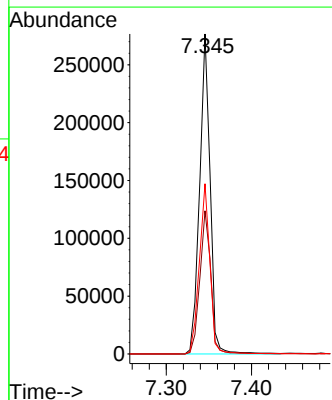
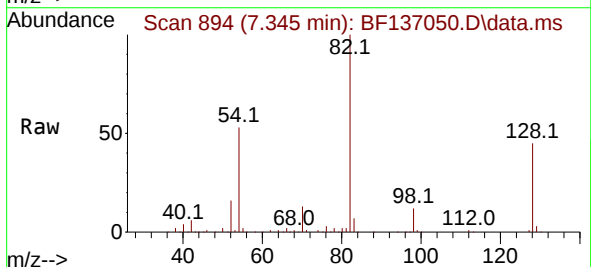
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.0   | 13.4  |
| 54  | 8.7   | 7.2   | 10.8  |
| 68  | 5.8   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 53.398 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion: 82 Resp: 237751

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.7  | 35.3  | 52.9  |
| 54  | 53.2  | 44.5  | 66.7  |

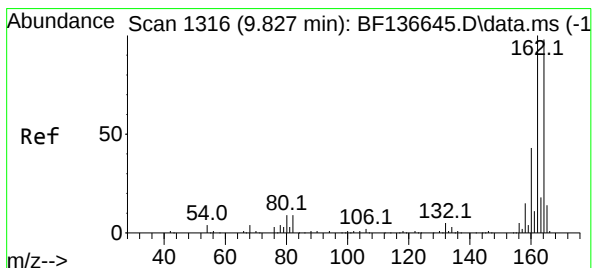
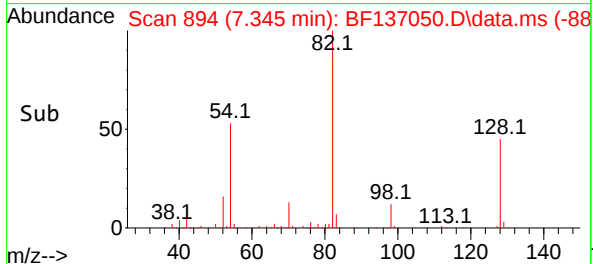
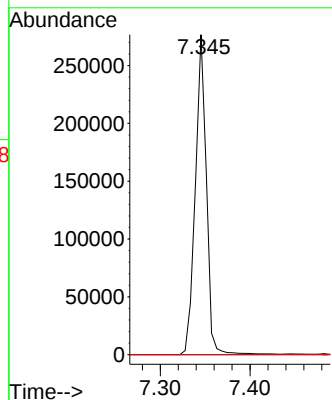
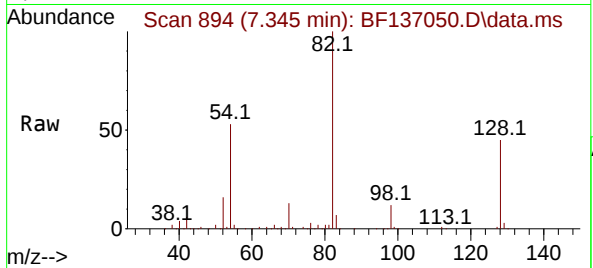




#25  
Isophorone  
Concen: 29.346 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.270 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

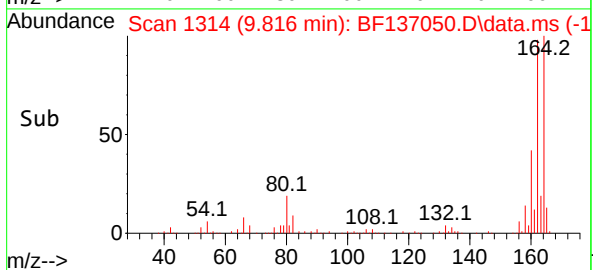
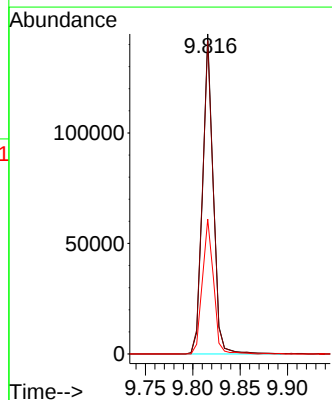
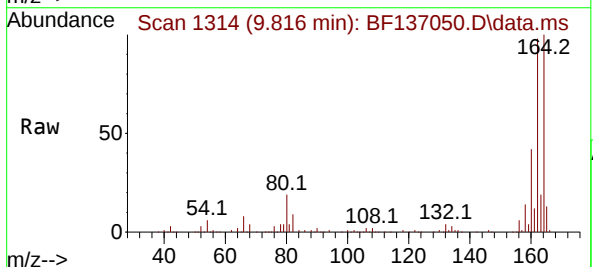
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion: 82 Resp: 237749  
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: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion:164 Resp: 113410  
Ion Ratio Lower Upper  
164 100  
162 97.9 81.6 122.4  
160 42.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 80.111 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137050.D

Acq: 12 Jan 2024 15:59

Instrument :

BNA\_F

ClientSampleId :

TP-2

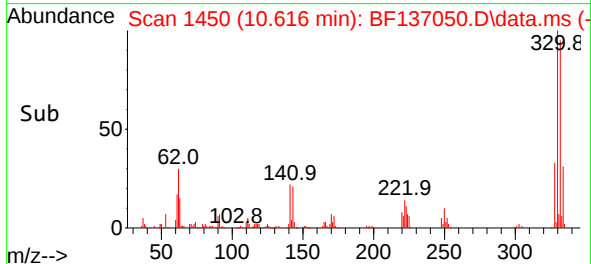
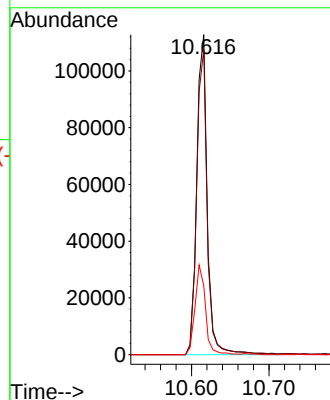
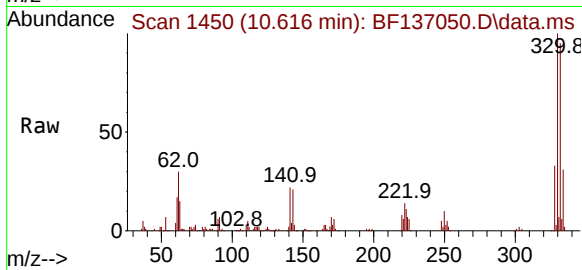
Tgt Ion:330 Resp: 107001

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.0

141 27.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 55.078 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137050.D

Acq: 12 Jan 2024 15:59

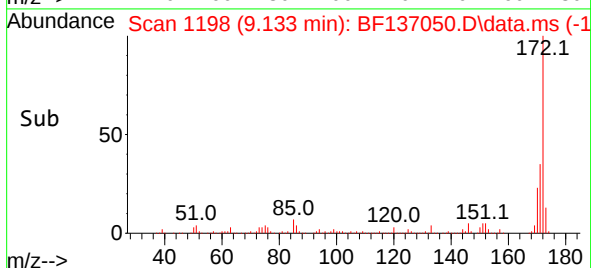
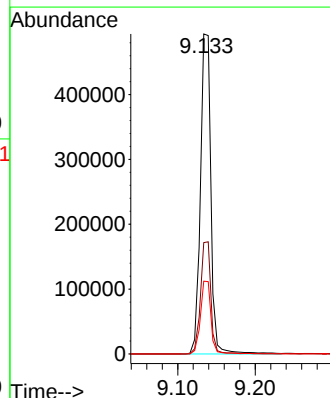
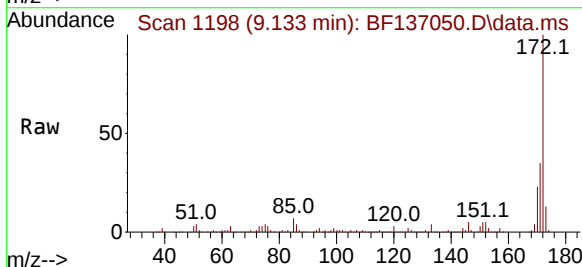
Tgt Ion:172 Resp: 464423

Ion Ratio Lower Upper

172 100

171 34.8 29.0 43.6

170 22.8 19.0 28.4

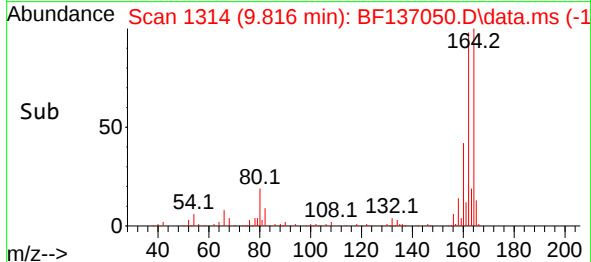
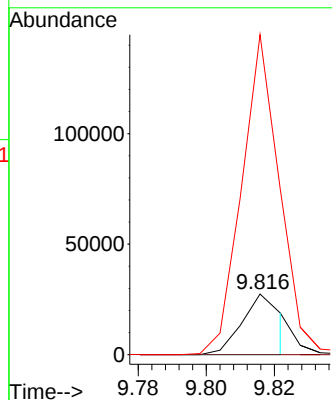
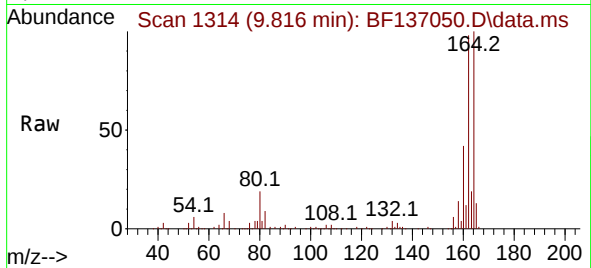




#50  
Dimethylphthalate  
Concen: 2.620 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

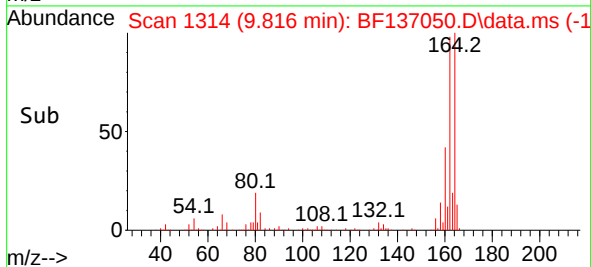
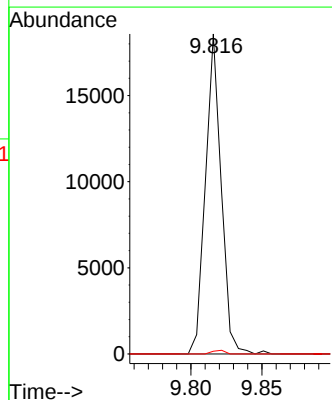
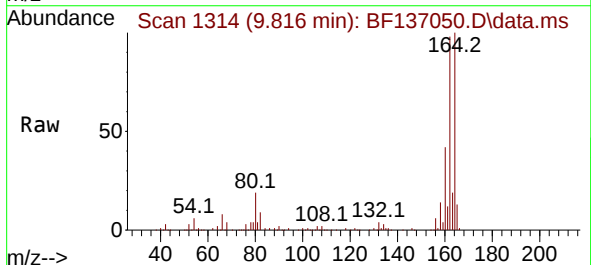
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:163 Resp: 21703  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 527.7 7.8 11.6#



#51  
2,6-Dinitrotoluene  
Concen: 7.630 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion:165 Resp: 14344  
Ion Ratio Lower Upper  
165 100  
63 0.0 39.8 59.6#  
89 0.9 38.8 58.2#

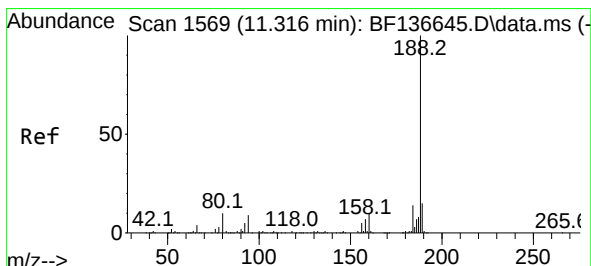
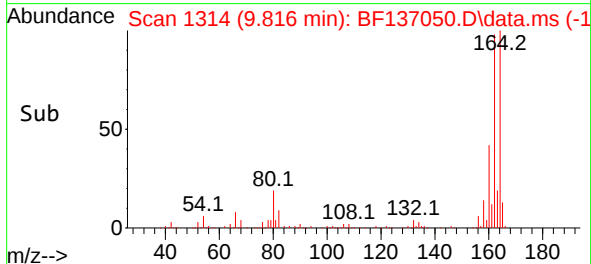
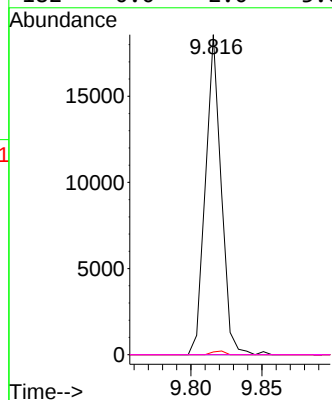
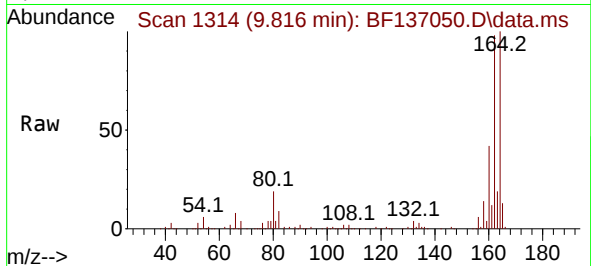




#57  
2,4-Dinitrotoluene  
Concen: 5.877 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

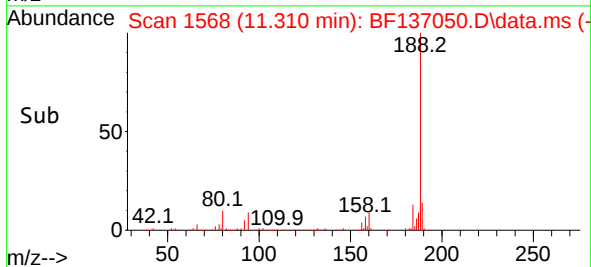
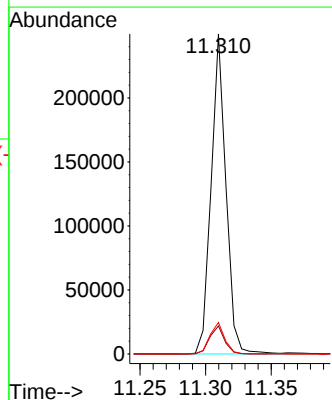
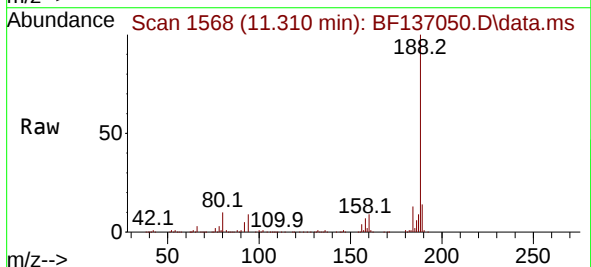
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

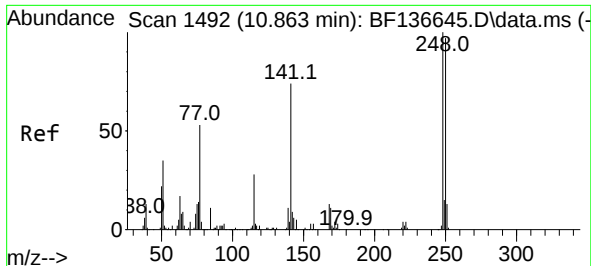
Tgt Ion:165 Resp: 14344  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.0 61.6#  
89 0.9 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

Tgt Ion:188 Resp: 196656  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.5 11.3  
80 9.9 8.1 12.1

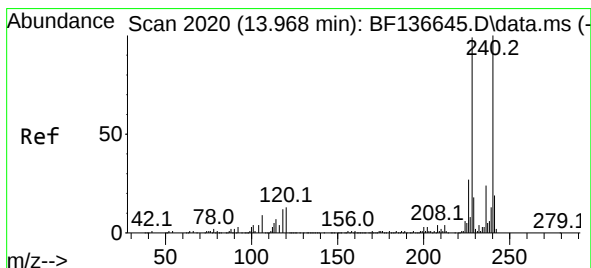
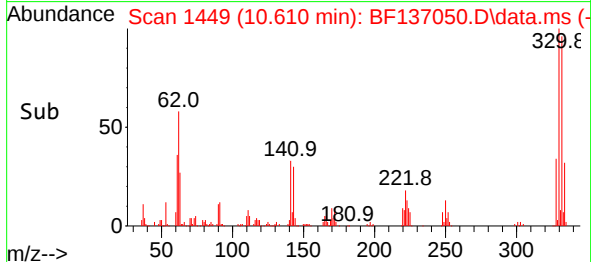
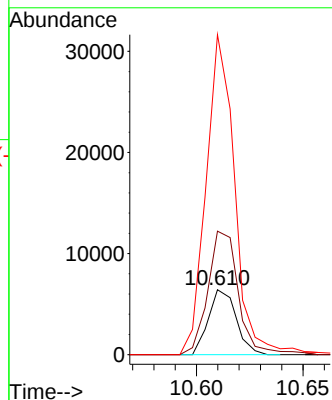
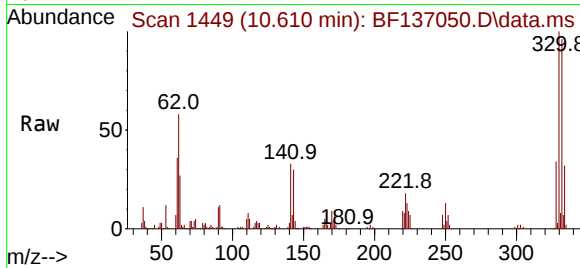




#67  
4-Bromophenyl-phenylether  
Concen: 2.667 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

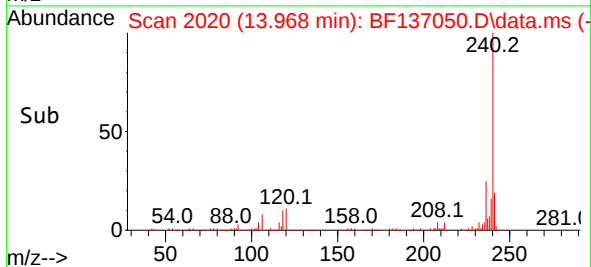
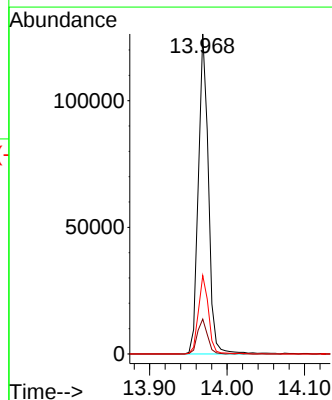
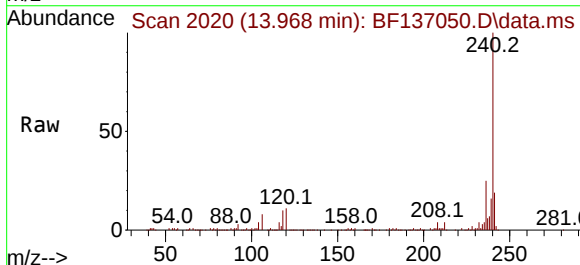
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion:248 Resp: 5824  
Ion Ratio Lower Upper  
248 100  
250 190.0 77.8 116.6#  
141 492.1 59.2 88.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF137050.D  
Acq: 12 Jan 2024 15:59

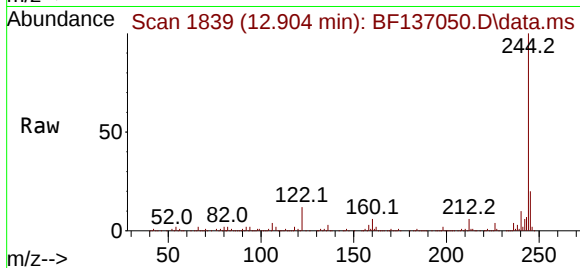
Tgt Ion:240 Resp: 113881  
Ion Ratio Lower Upper  
240 100  
120 10.9 10.3 15.5  
236 24.5 19.4 29.2



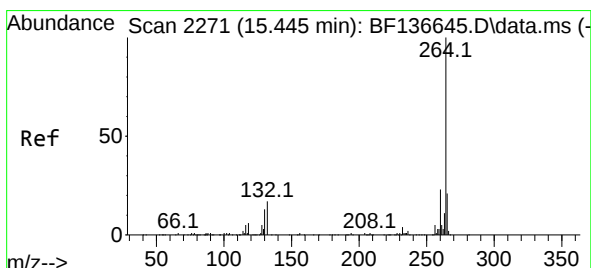
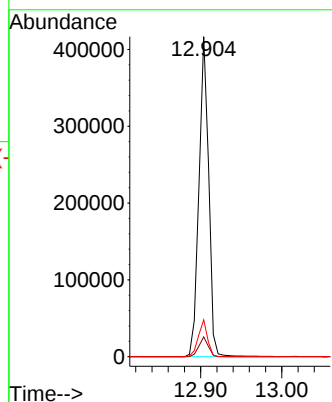
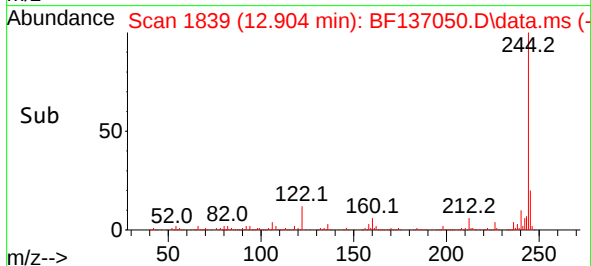


#79  
 Terphenyl-d14  
 Concen: 42.682 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. -0.012 min  
 Lab File: BF137050.D  
 Acq: 12 Jan 2024 15:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2



Tgt Ion:244 Resp: 347820  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 11.5 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.457 min Scan# 2273  
 Delta R.T. 0.012 min  
 Lab File: BF137050.D  
 Acq: 12 Jan 2024 15:59

Tgt Ion:264 Resp: 141014  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 18.3 27.5  
 265 19.5 17.0 25.6

