

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070324\  
 Data File : BF138445.D  
 Acq On : 03 Jul 2024 14:44  
 Operator : CG\JU  
 Sample : P3141-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-129-SB01

Quant Time: Jul 03 15:29:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

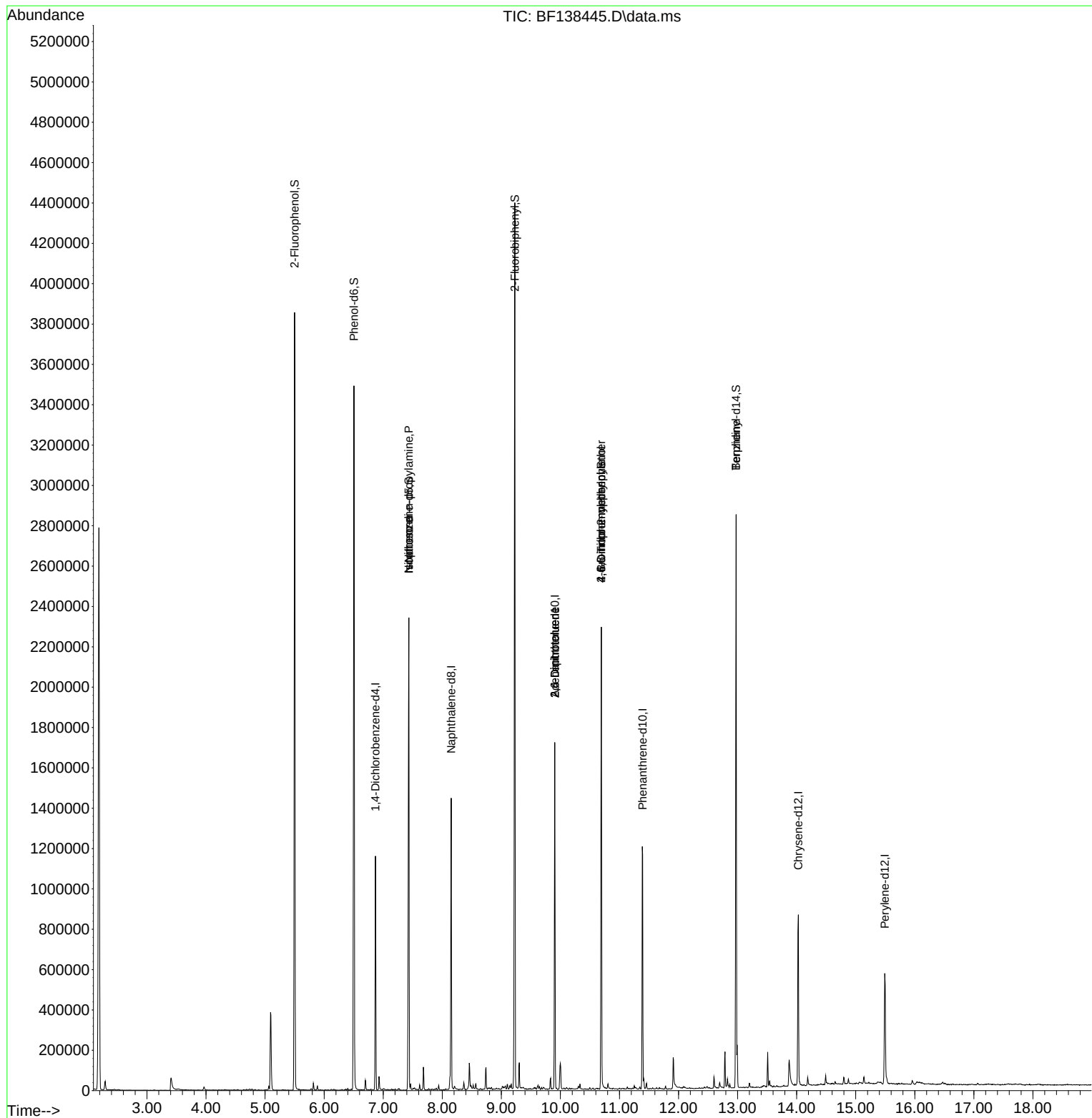
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 146397   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 548396   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 311622   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 440682   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 282404   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 251299   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 972244   | 110.107 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 1143510  | 96.135  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 714547   | 67.687  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 228967   | 89.932  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1276523  | 65.192  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.975 | 244  | 881633   | 42.783  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 96568    | 12.878  | ng    | # 76     |
| 25) Isophorone                | 7.434  | 82   | 711500   | 36.552  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.904  | 165  | 40045    | 8.928   | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 40045    | 7.251   | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198  | 623      | 6.032   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 15188    | 3.206   | ng    | # 1      |
| 77) Benzidine                 | 12.975 | 184  | 11478    | 5.083   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

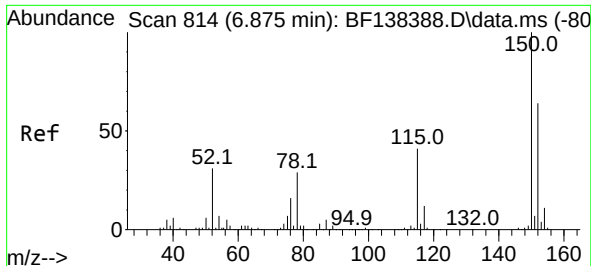
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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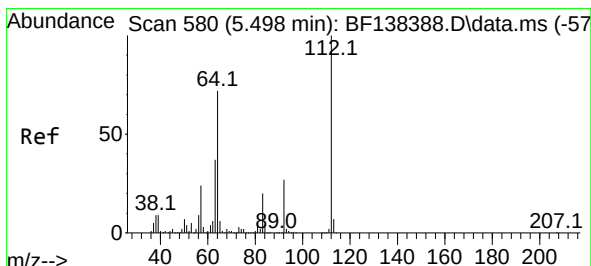
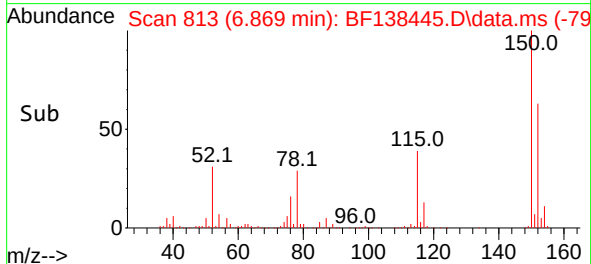
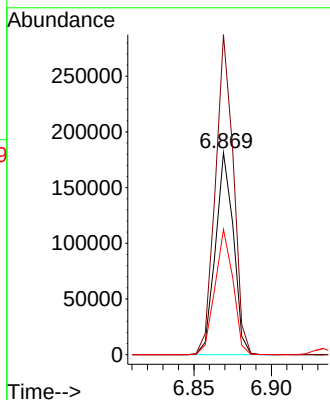
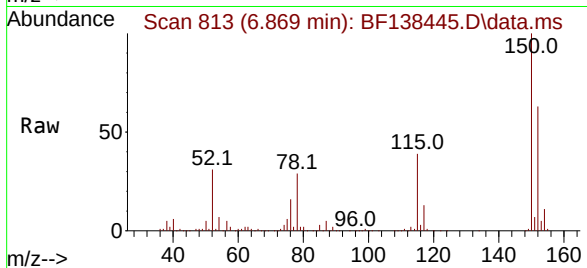




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

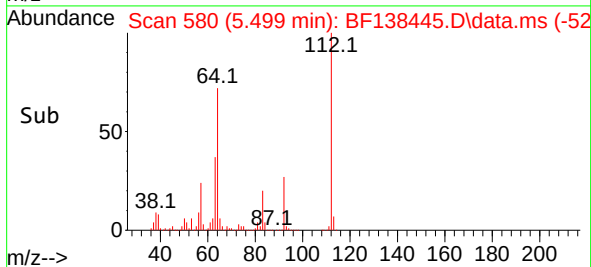
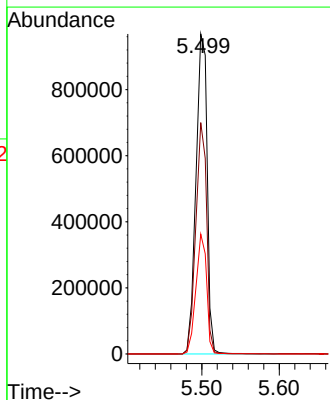
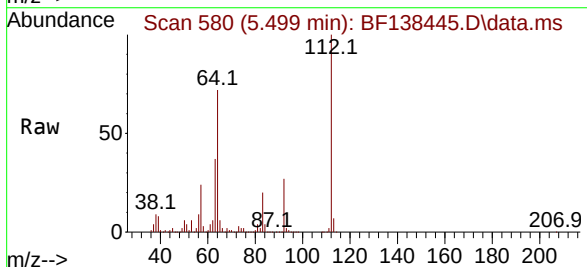
Instrument :  
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ClientSampleId :  
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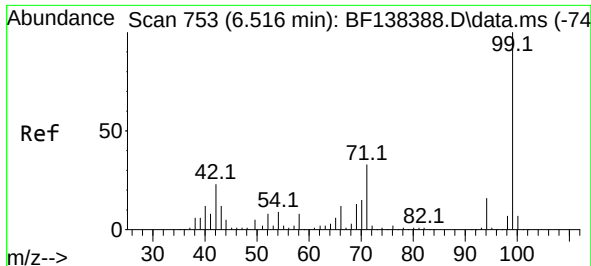
Tgt Ion:152 Resp: 146397  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.9 187.3  
115 62.0 50.8 76.2



#5  
2-Fluorophenol  
Concen: 110.107 ng  
RT: 5.499 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Tgt Ion:112 Resp: 972244  
Ion Ratio Lower Upper  
112 100  
64 72.3 57.2 85.8  
63 37.4 29.4 44.0





#7

Phenol-d6

Concen: 96.135 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138445.D

Acq: 03 Jul 2024 14:44

Instrument :

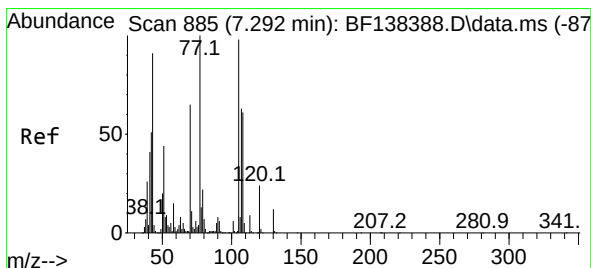
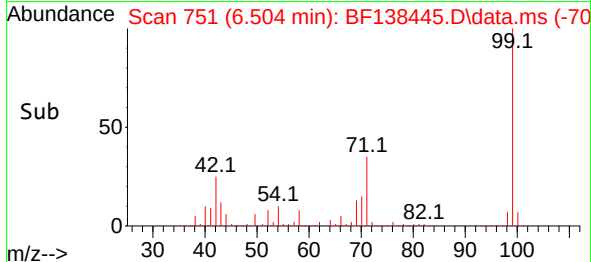
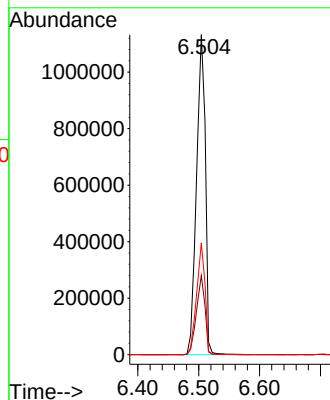
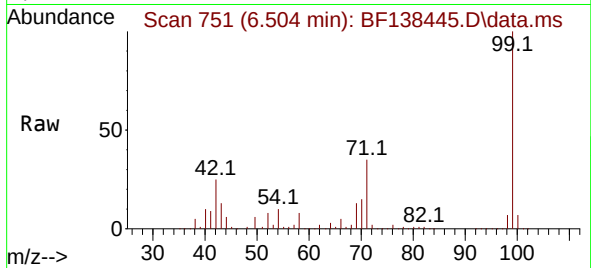
BNA\_F

ClientSampleId :

B-129-SB01

Tgt Ion: 99 Resp: 1143510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.8  | 18.5  | 27.7  |
| 71  | 34.9  | 26.1  | 39.1  |



#19

n-Nitroso-di-n-propylamine

Concen: 12.878 ng

RT: 7.434 min Scan# 909

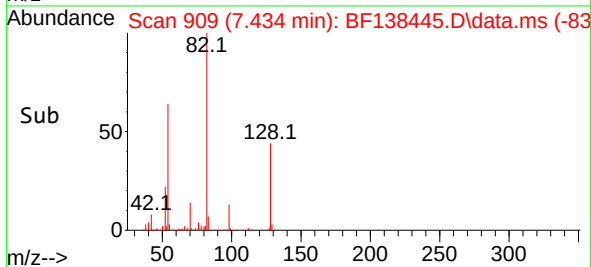
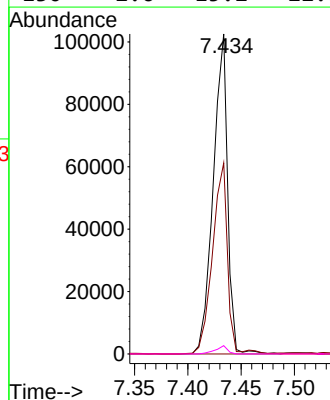
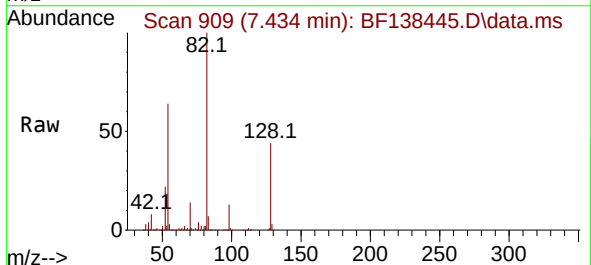
Delta R.T. 0.141 min

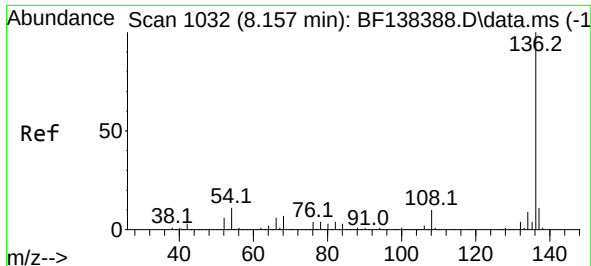
Lab File: BF138445.D

Acq: 03 Jul 2024 14:44

Tgt Ion: 70 Resp: 96568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 59.7  | 62.5  | 93.7# |
| 101 | 0.0   | 7.0   | 10.4# |
| 130 | 2.6   | 15.2  | 22.8# |

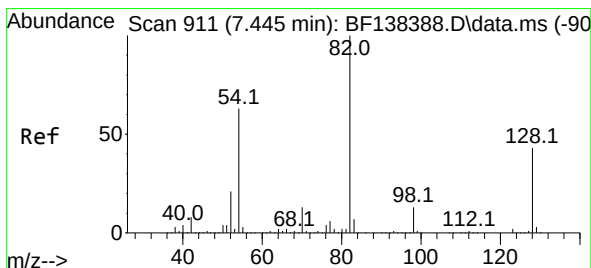
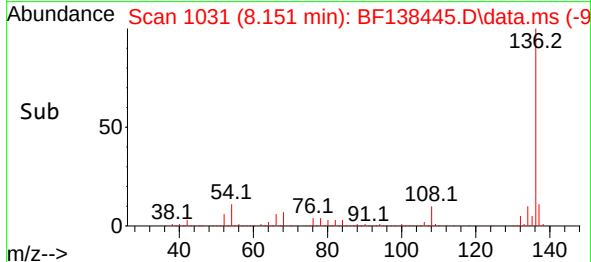
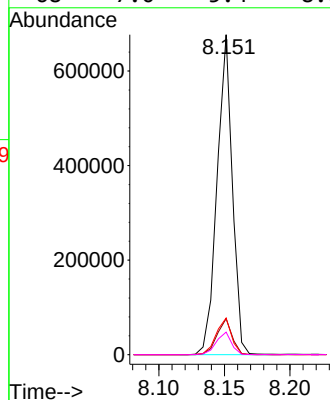
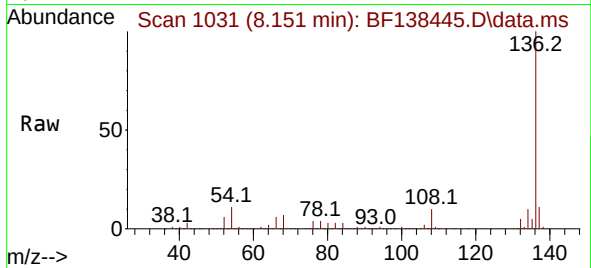




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

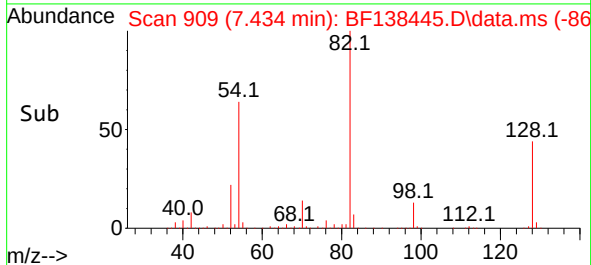
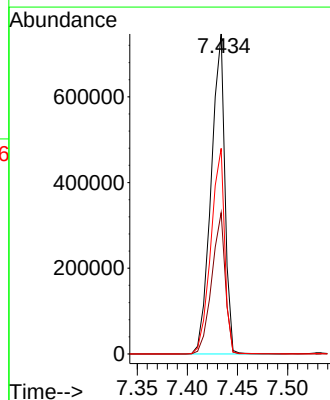
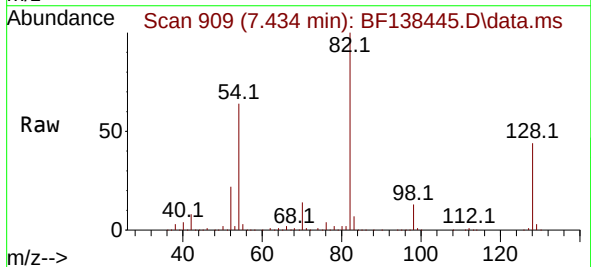
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B-129-SB01

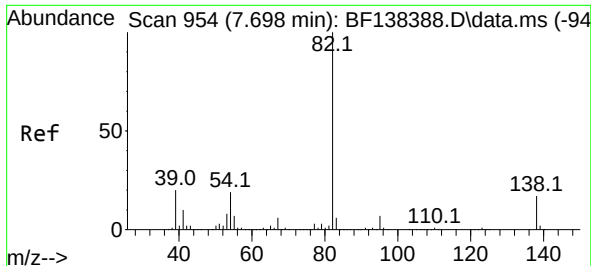
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 548396 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 11.3    | 8.8   | 13.2   |
| 54  | 11.5    | 9.0   | 13.4   |
| 68  | 7.0     | 5.4   | 8.0    |



#23  
Nitrobenzene-d5  
Concen: 67.687 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 714547 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.1    | 34.6 52.0    |
| 54 64.3     | 50.5 75.7    |

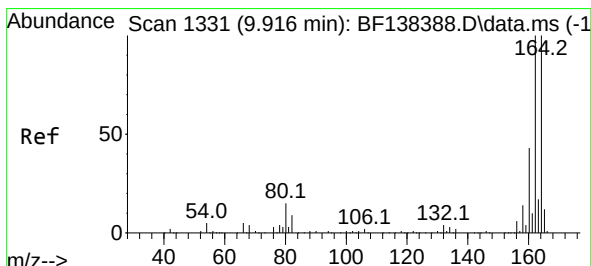
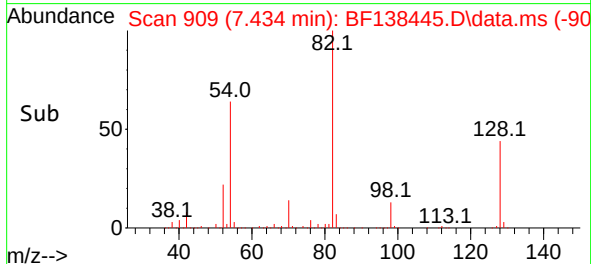
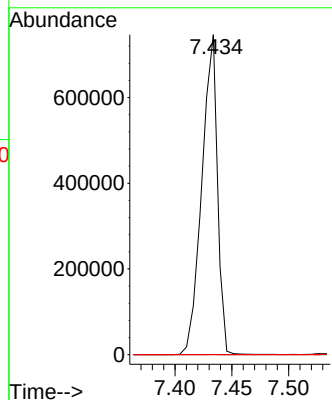
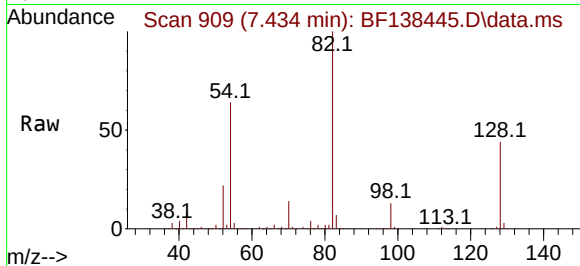




#25  
Isophorone  
Concen: 36.552 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

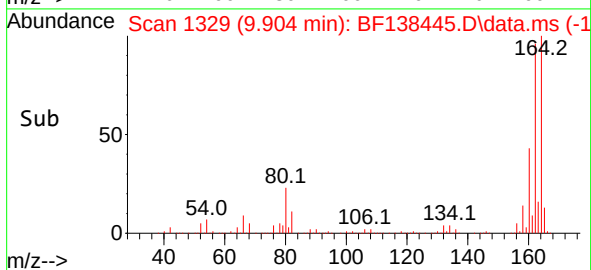
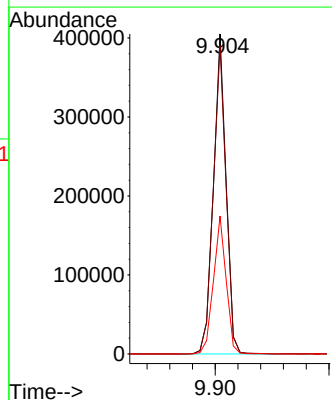
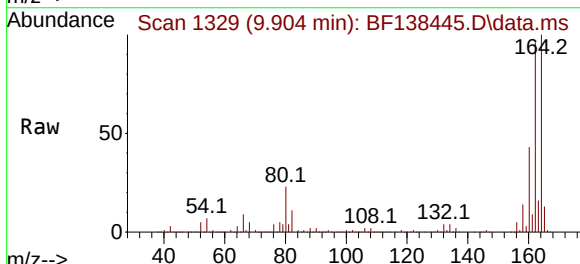
Instrument :  
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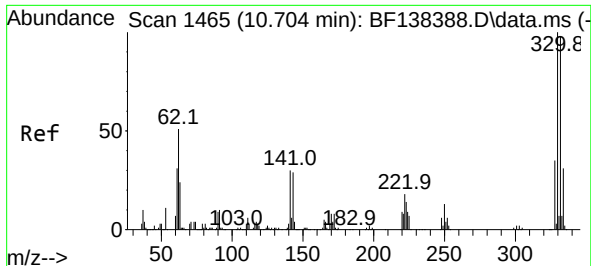
Tgt Ion: 82 Resp: 711500  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.012 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

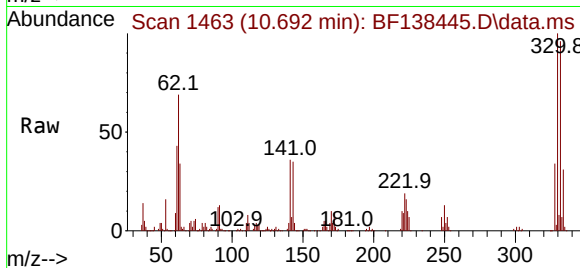
Tgt Ion:164 Resp: 311622  
Ion Ratio Lower Upper  
164 100  
162 96.4 80.1 120.1  
160 43.1 34.1 51.1



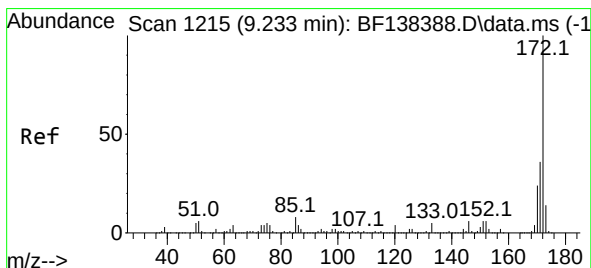
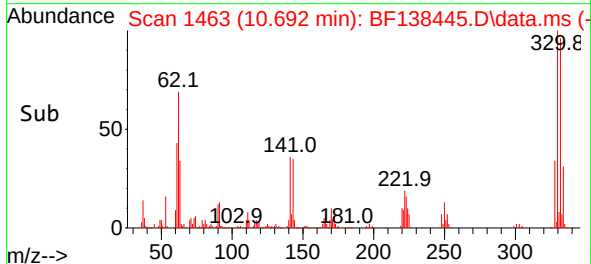
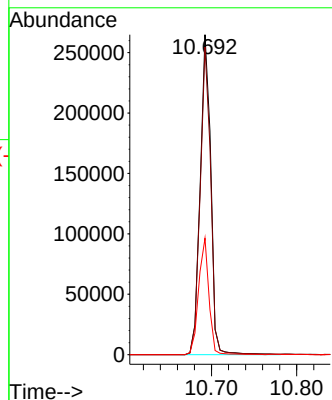


#42  
2,4,6-Tribromophenol  
Concen: 89.932 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.012 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
B-129-SB01

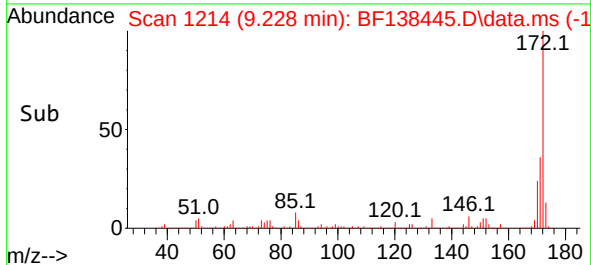
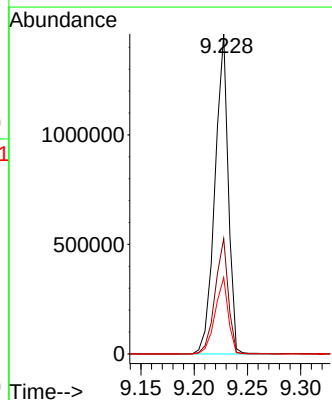
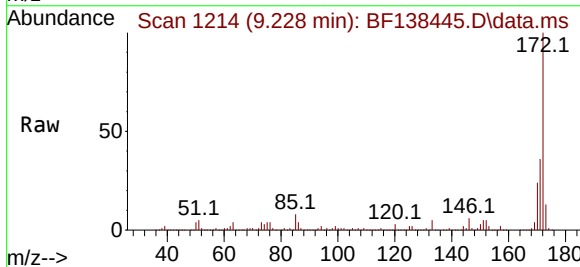


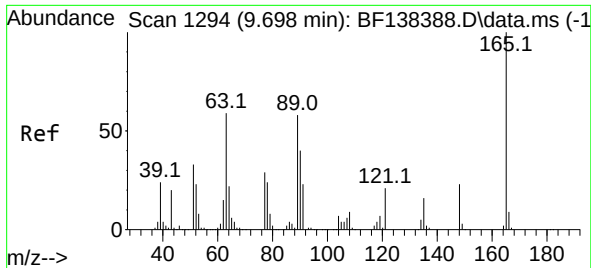
Tgt Ion: 330 Resp: 228967  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.0 115.6  
141 35.5 28.1 42.1



#45  
2-Fluorobiphenyl  
Concen: 65.192 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. -0.005 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Tgt Ion: 172 Resp: 1276523  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.0 43.4  
170 23.9 19.0 28.6

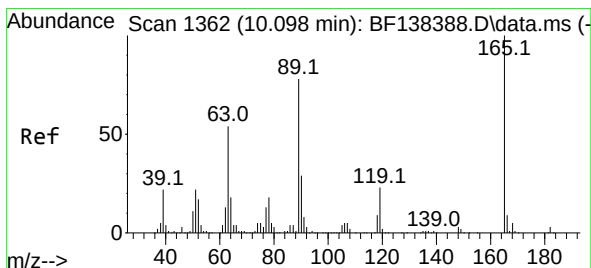
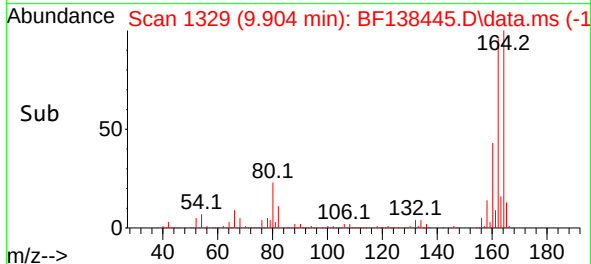
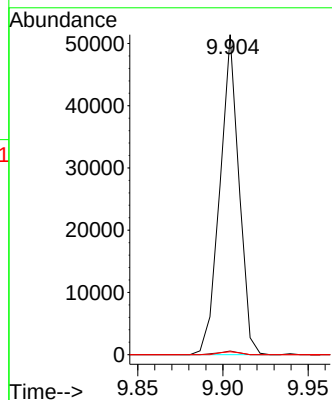
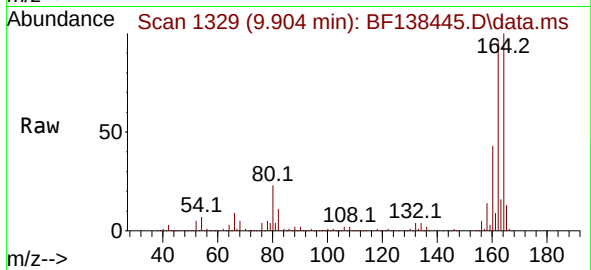




#51  
2,6-Dinitrotoluene  
Concen: 8.928 ng  
RT: 9.904 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

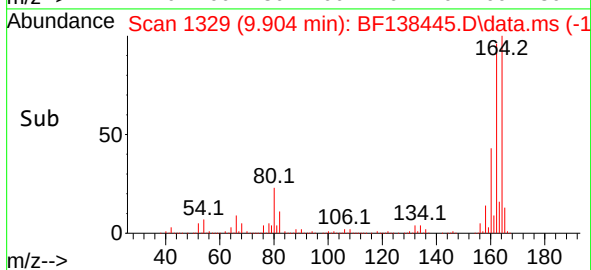
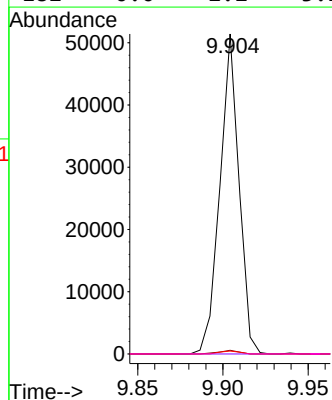
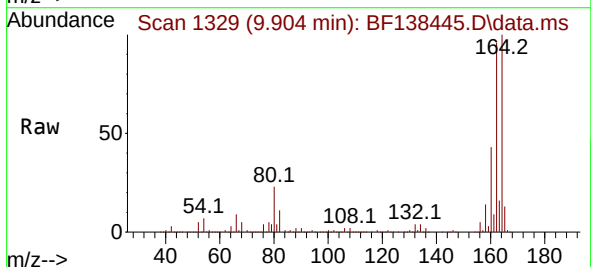
Instrument :  
BNA\_F  
ClientSampleId :  
B-129-SB01

Tgt Ion:165 Resp: 40045  
Ion Ratio Lower Upper  
165 100  
63 1.2 53.8 80.8#  
89 0.9 46.4 69.6#

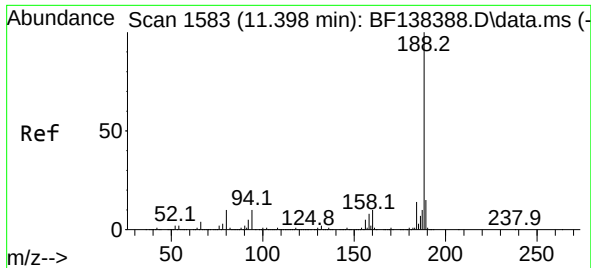


#57  
2,4-Dinitrotoluene  
Concen: 7.251 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Tgt Ion:165 Resp: 40045  
Ion Ratio Lower Upper  
165 100  
63 1.2 43.4 65.2#  
89 0.9 62.6 93.8#  
182 0.0 2.2 3.2#



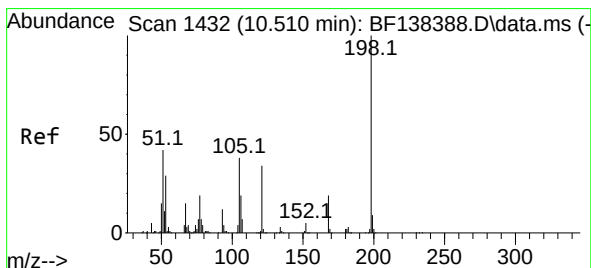
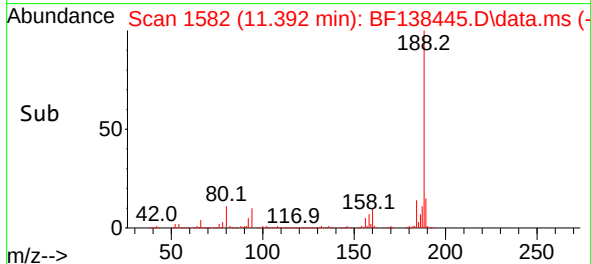
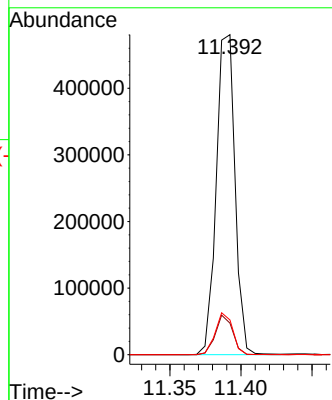
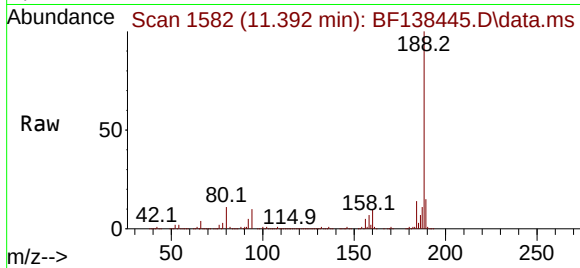




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

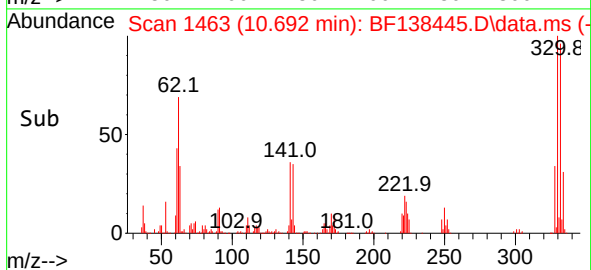
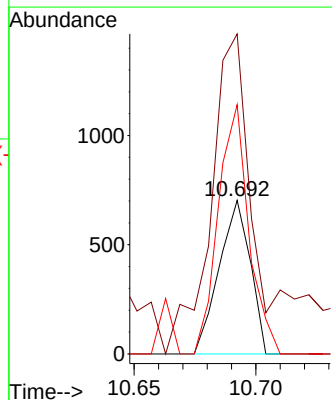
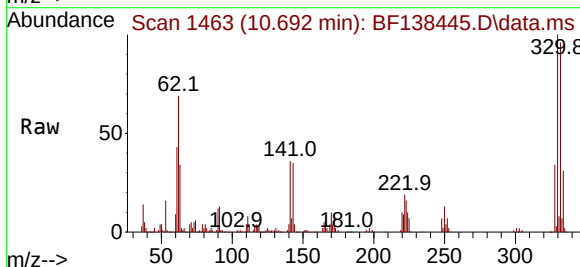
Instrument :  
BNA\_F  
ClientSampleId :  
B-129-SB01

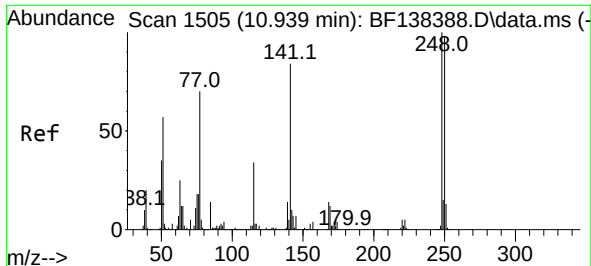
Tgt Ion:188 Resp: 440682  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.0 12.0  
80 10.9 8.2 12.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.032 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.182 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Tgt Ion:198 Resp: 623  
Ion Ratio Lower Upper  
198 100  
51 208.4 27.9 67.9#  
105 162.3 18.2 58.2#

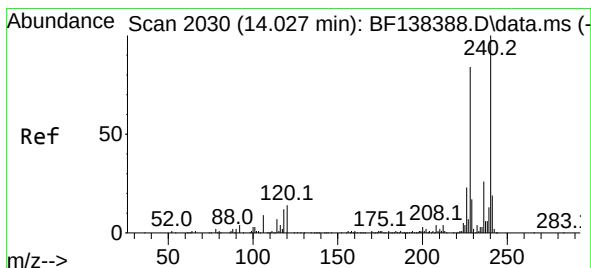
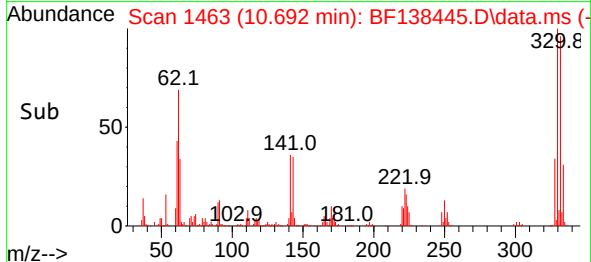
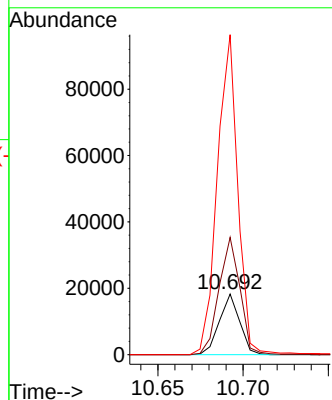
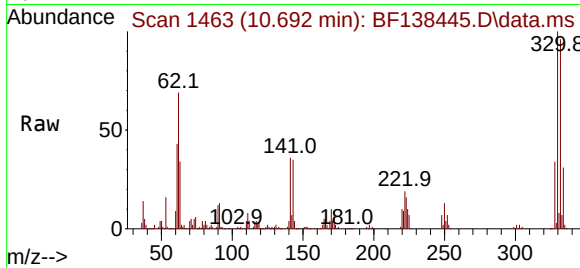




#67  
4-Bromophenyl-phenylether  
Concen: 3.206 ng  
RT: 10.692 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

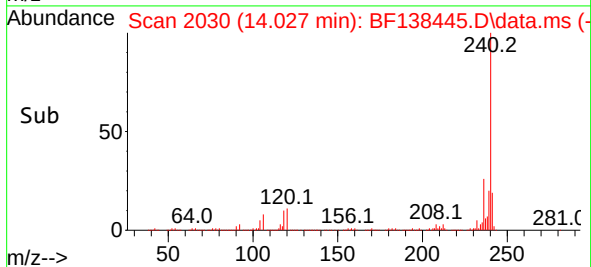
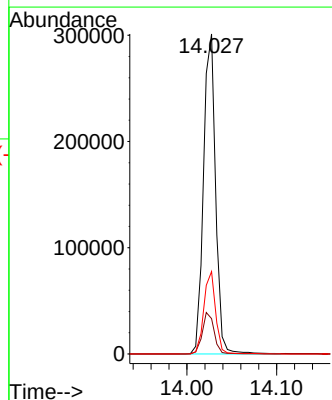
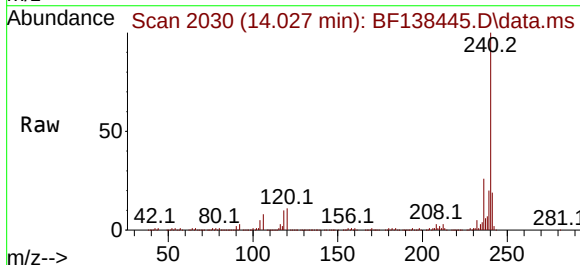
Instrument :  
BNA\_F  
ClientSampleId :  
B-129-SB01

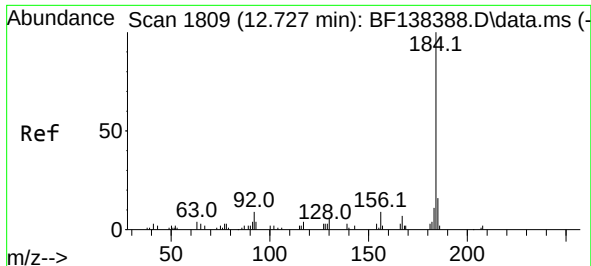
Tgt Ion:248 Resp: 15188  
Ion Ratio Lower Upper  
248 100  
250 193.3 78.2 117.4#  
141 527.4 67.6 101.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

Tgt Ion:240 Resp: 282404  
Ion Ratio Lower Upper  
240 100  
120 11.0 10.9 16.3  
236 25.8 20.6 30.8

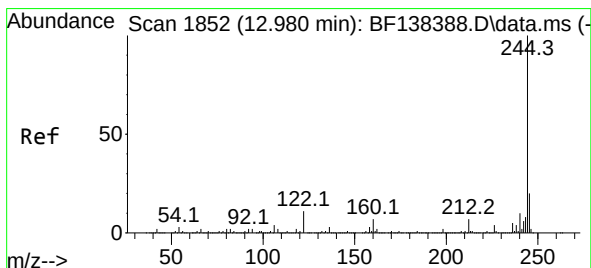
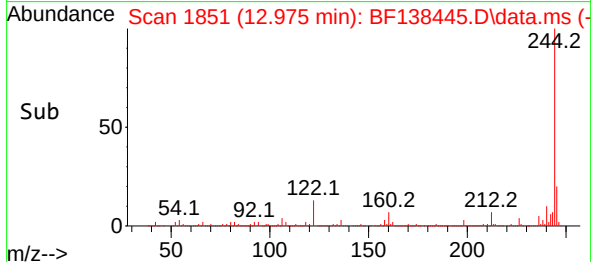
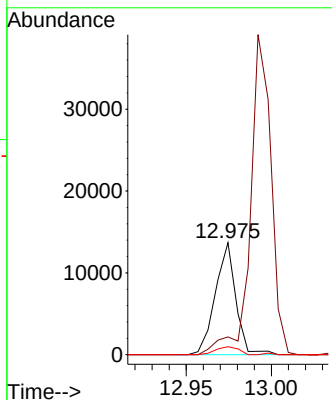
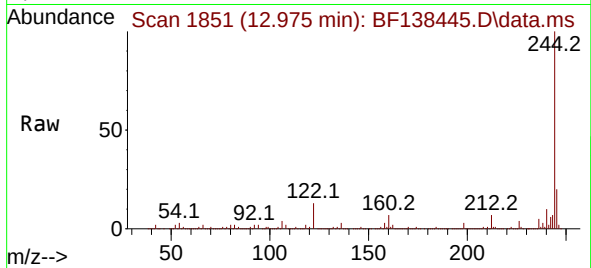




#77  
Benzidine  
Concen: 5.083 ng  
RT: 12.975 min Scan# 1851  
Delta R.T. 0.247 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

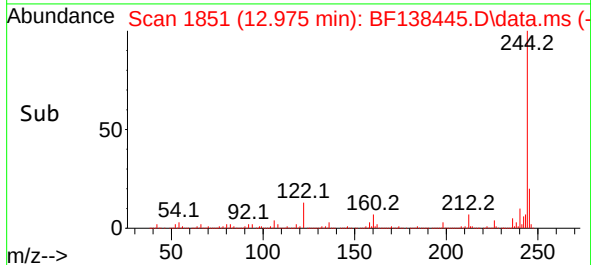
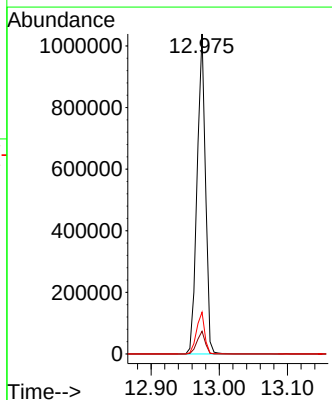
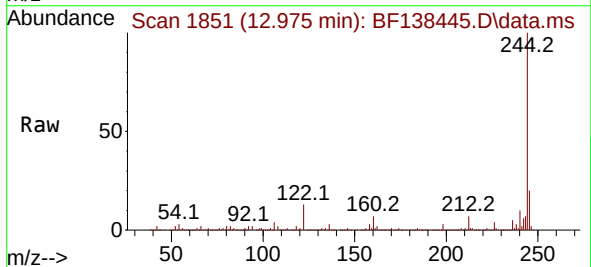
Instrument :  
BNA\_F  
ClientSampleId :  
B-129-SB01

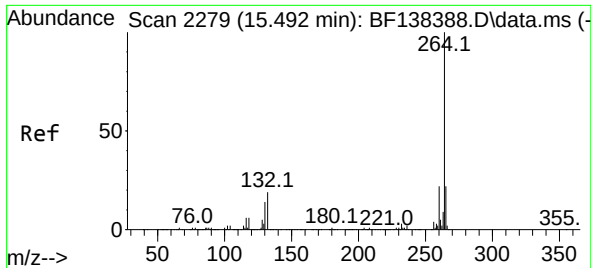
Tgt Ion:184 Resp: 11478  
Ion Ratio Lower Upper  
184 100  
185 15.8 13.0 19.4  
183 7.2 9.0 13.6#



#79  
Terphenyl-d14  
Concen: 42.783 ng  
RT: 12.975 min Scan# 1851  
Delta R.T. -0.005 min  
Lab File: BF138445.D  
Acq: 03 Jul 2024 14:44

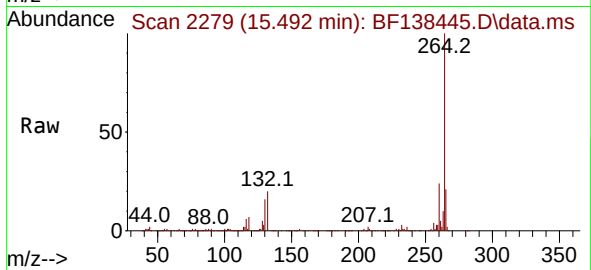
Tgt Ion:244 Resp: 881633  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.6 8.4  
122 13.1 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.492 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF138445.D  
 Acq: 03 Jul 2024 14:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-129-SB01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 251299 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.6  | 17.8  | 26.6   |
| 265      | 21.4  | 17.5  | 26.3   |

