

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052224\  
 Data File : BF138011.D  
 Acq On : 22 May 2024 18:23  
 Operator : CG\JU  
 Sample : P2539-08  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TPQ

Quant Time: May 23 01:12:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

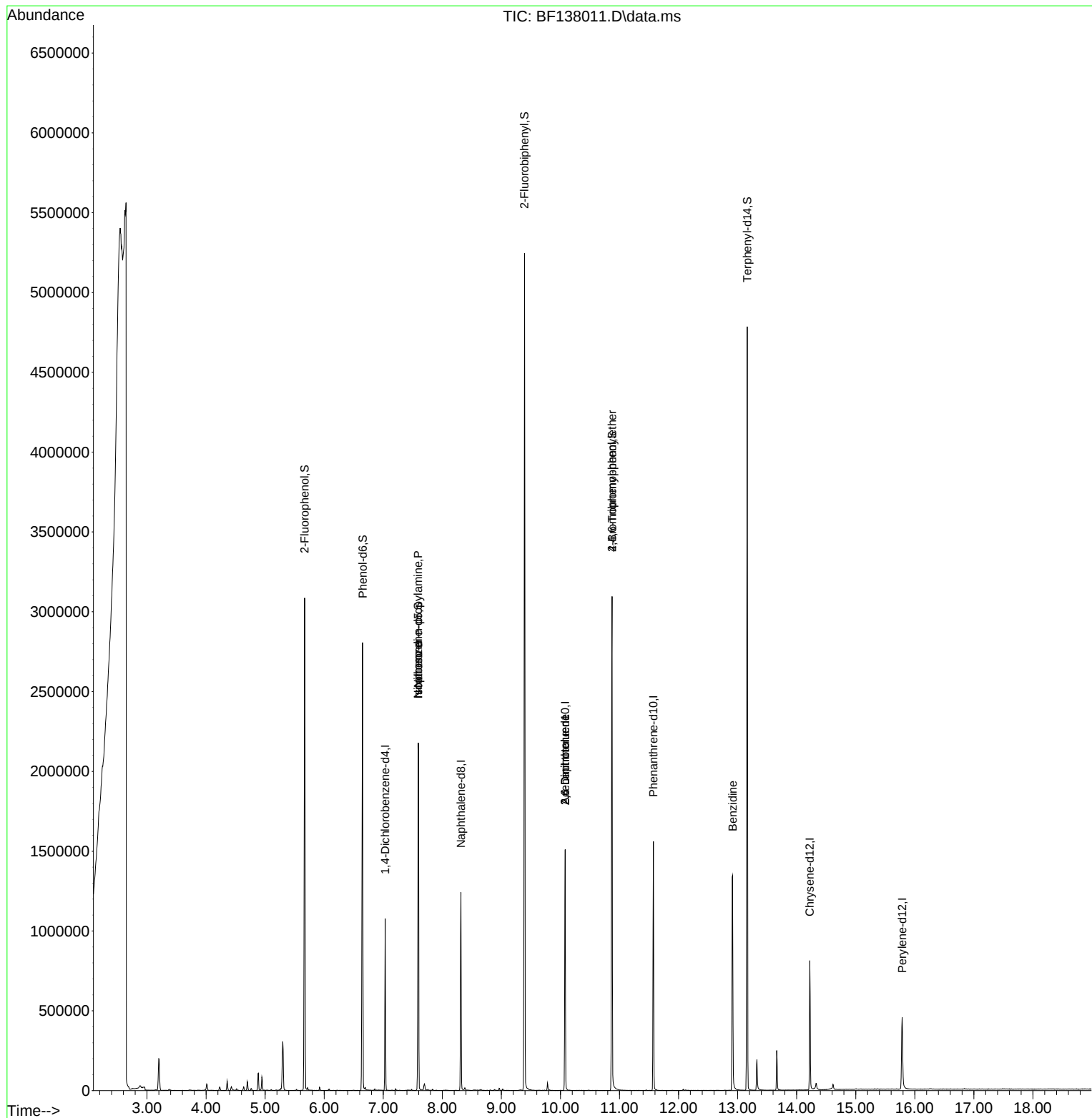
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.034  | 152  | 140921   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.316  | 136  | 557390   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 10.080 | 164  | 318186   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.574 | 188  | 534844   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.221 | 240  | 275111   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.786 | 264  | 253328   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.669  | 112  | 958410   | 115.526 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.651  | 99   | 1075439  | 105.235 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.592  | 82   | 781005   | 82.460  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.874 | 330  | 431992   | 134.650 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.392  | 172  | 1689704  | 81.801  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.163 | 244  | 1699468  | 91.042  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.592  | 70   | 101960   | 17.758  | ng    | # 76     |
| 25) Isophorone                | 7.592  | 82   | 780997   | 47.512  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.080 | 165  | 40985    | 8.950   | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 40985    | 6.923   | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248  | 27850    | 4.750   | ng    | # 1      |
| 77) Benzidine                 | 12.916 | 184  | 585737   | 162.913 | ng    | 99       |
| -----                         |        |      |          |         |       |          |

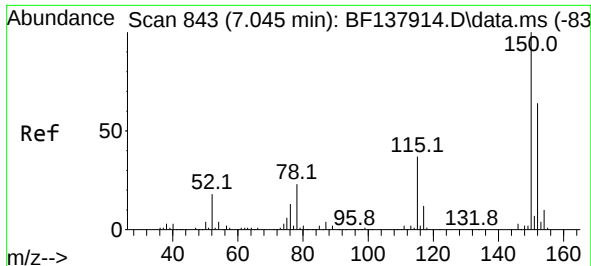
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 15 04:12:16 2024  
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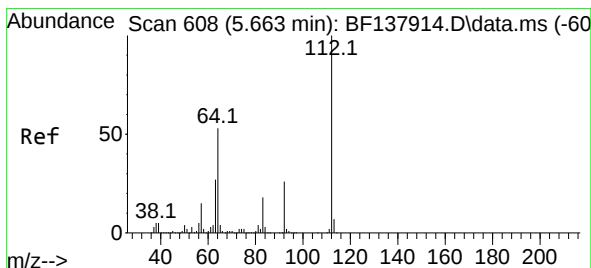
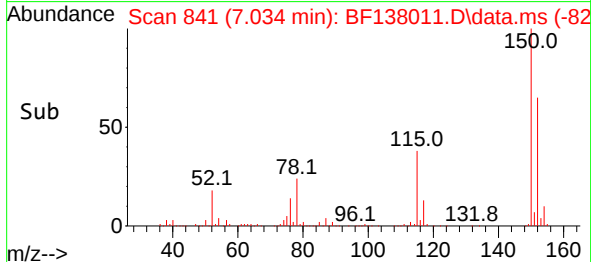
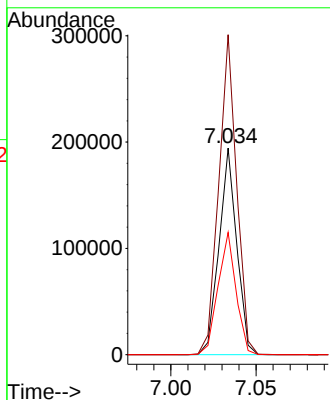
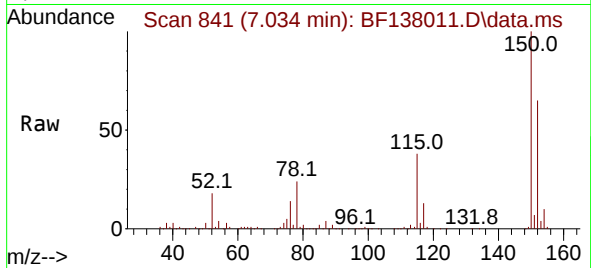




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.034 min Scan# 841  
Delta R.T. -0.011 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

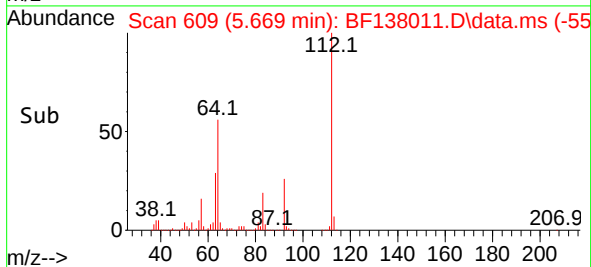
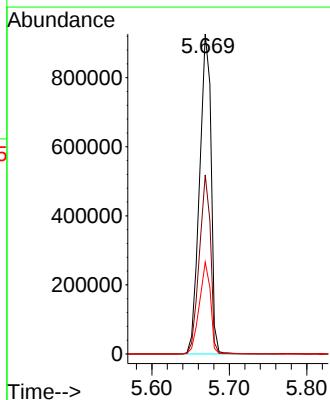
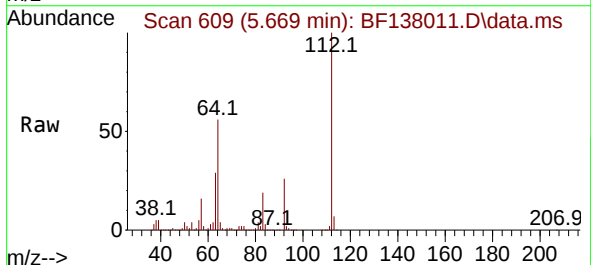
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

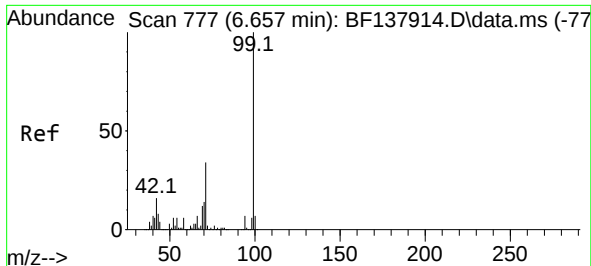
Tgt Ion:152 Resp: 140921  
Ion Ratio Lower Upper  
152 100  
150 154.9 125.7 188.5  
115 59.2 47.0 70.6



#5  
2-Fluorophenol  
Concen: 115.526 ng  
RT: 5.669 min Scan# 609  
Delta R.T. 0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:112 Resp: 958410  
Ion Ratio Lower Upper  
112 100  
64 55.9 42.4 63.6  
63 28.7 21.4 32.2



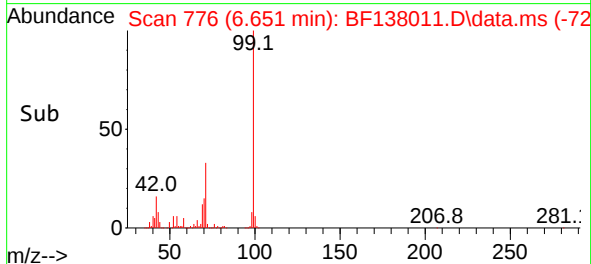
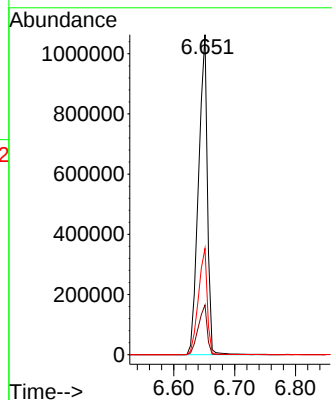
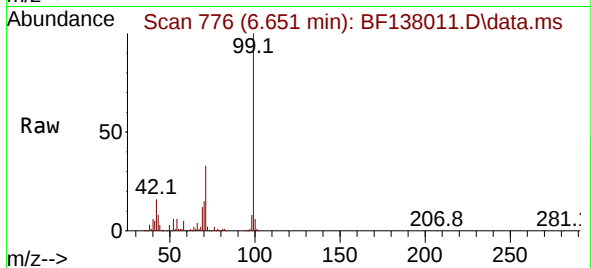


#7  
Phenol-d6  
Concen: 105.235 ng  
RT: 6.651 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

Tgt Ion: 99 Resp: 1075439

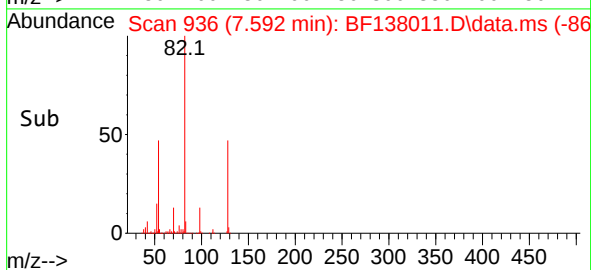
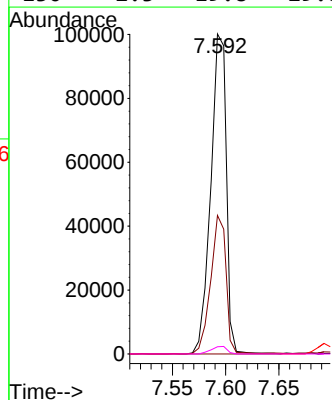
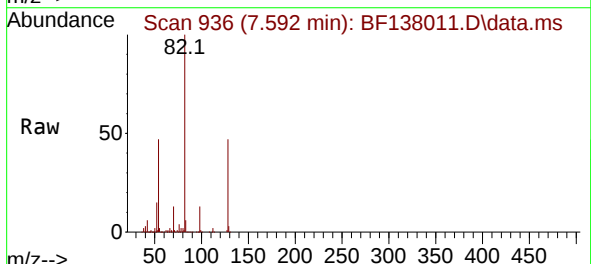
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.5  | 12.6  | 18.8  |
| 71  | 33.2  | 27.1  | 40.7  |

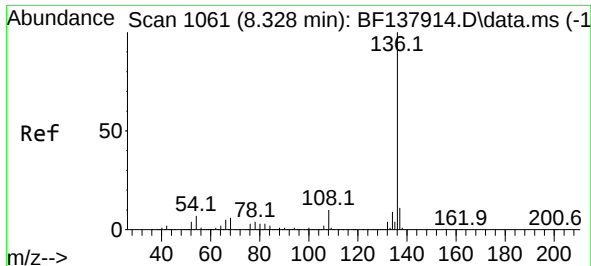


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.758 ng  
RT: 7.592 min Scan# 936  
Delta R.T. 0.141 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion: 70 Resp: 101960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 43.3  | 42.2  | 63.4  |
| 101 | 0.0   | 8.8   | 13.2# |
| 130 | 2.3   | 19.8  | 29.8# |



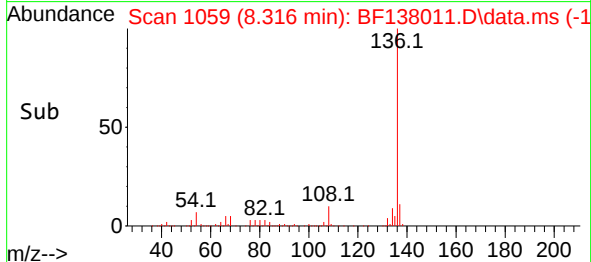
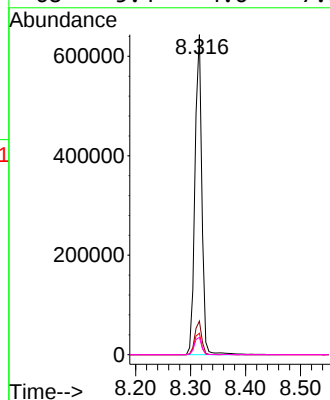
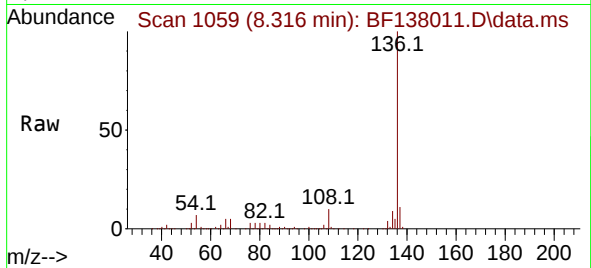


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.316 min Scan# 1059  
Delta R.T. -0.012 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

Tgt Ion:136 Resp: 557390

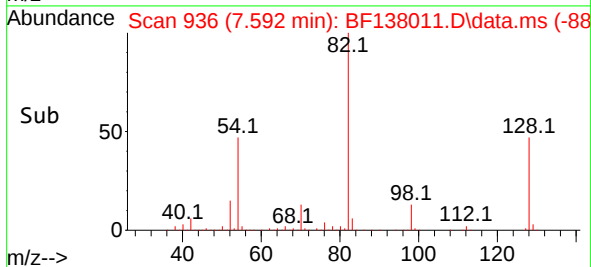
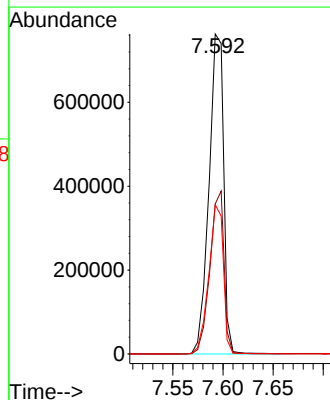
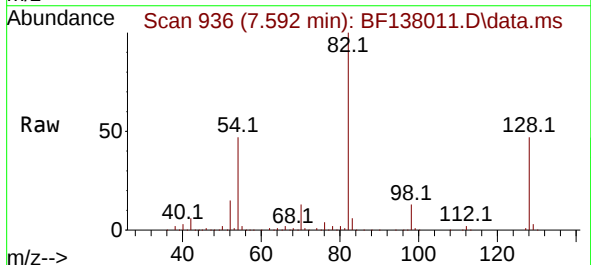
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.7   | 13.1  |
| 54  | 6.7   | 5.4   | 8.2   |
| 68  | 5.4   | 4.6   | 7.0   |



#23  
Nitrobenzene-d5  
Concen: 82.460 ng  
RT: 7.592 min Scan# 936  
Delta R.T. -0.018 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion: 82 Resp: 781005

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.9  | 40.3  | 60.5  |
| 54  | 46.6  | 36.8  | 55.2  |

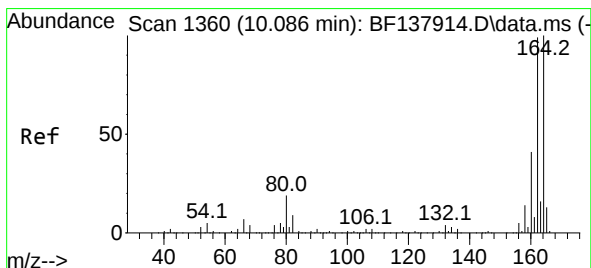
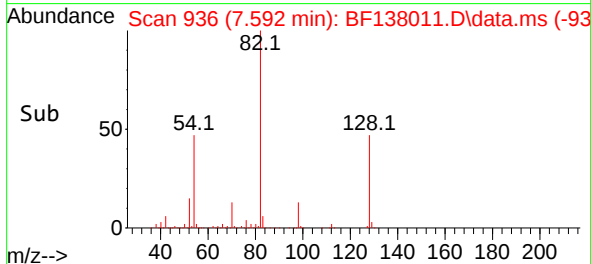
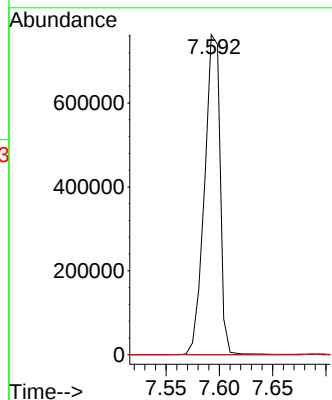
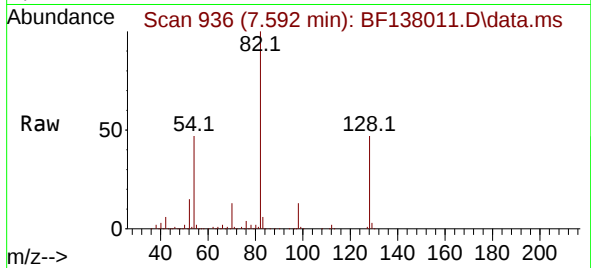




#25  
Isophorone  
Concen: 47.512 ng  
RT: 7.592 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

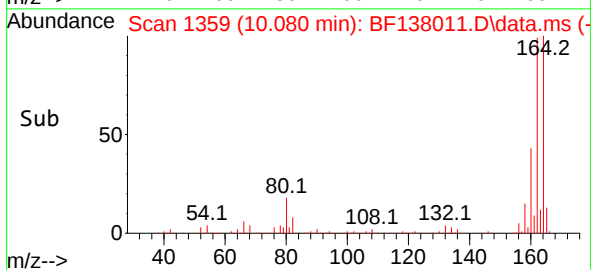
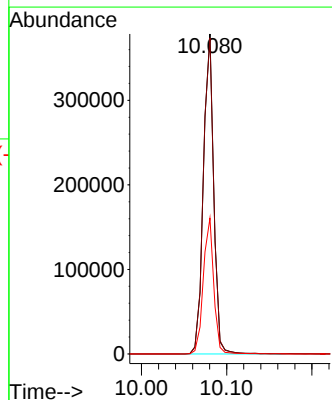
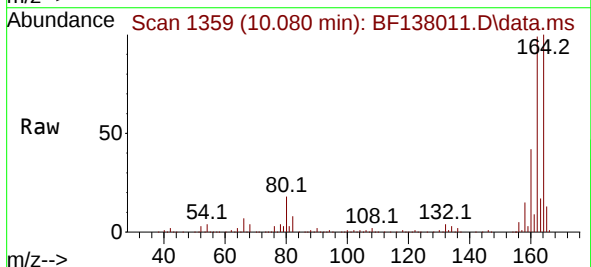
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

Tgt Ion: 82 Resp: 780997  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.0 22.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:164 Resp: 318186  
Ion Ratio Lower Upper  
164 100  
162 98.8 79.4 119.2  
160 42.4 33.1 49.7

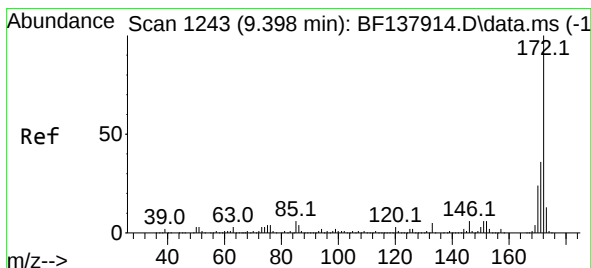
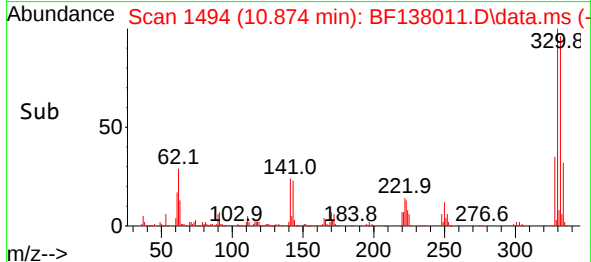
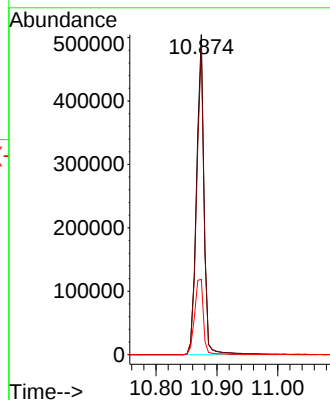
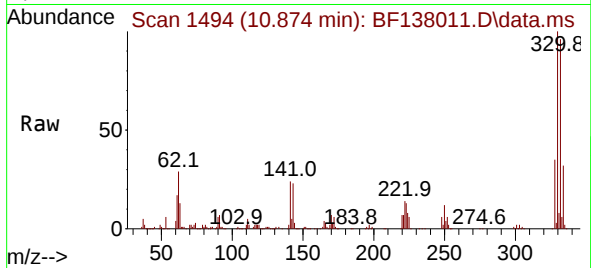




#42  
2,4,6-Tribromophenol  
Concen: 134.650 ng  
RT: 10.874 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

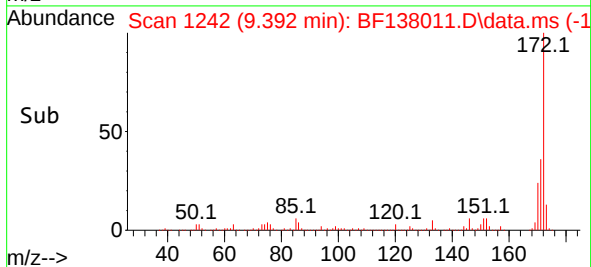
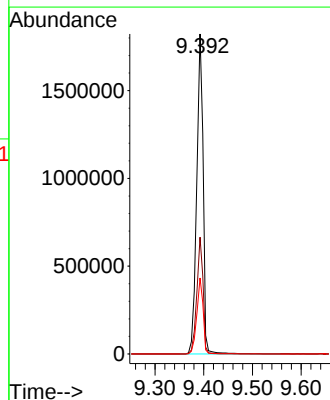
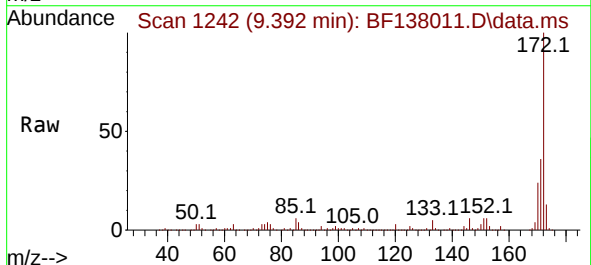
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ClientSampleId :  
WCS-TPQ

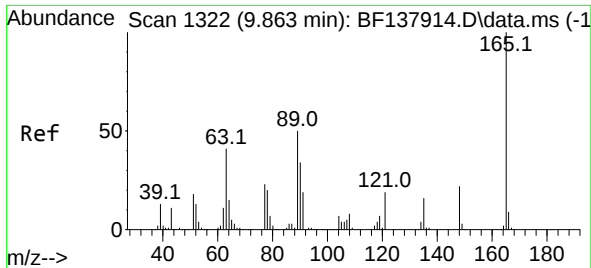
Tgt Ion:330 Resp: 431992  
Ion Ratio Lower Upper  
330 100  
332 96.2 75.8 113.8  
141 27.8 23.8 35.6



#45  
2-Fluorobiphenyl  
Concen: 81.801 ng  
RT: 9.392 min Scan# 1242  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:172 Resp: 1689704  
Ion Ratio Lower Upper  
172 100  
171 36.5 28.9 43.3  
170 23.7 18.9 28.3

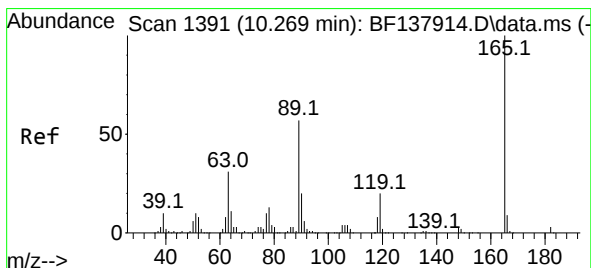
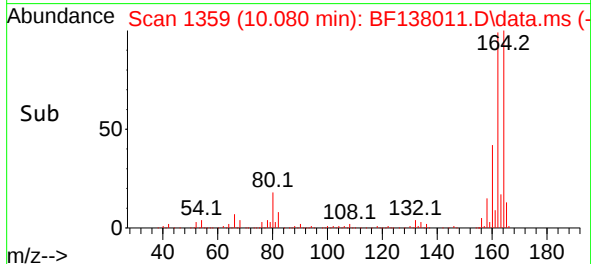
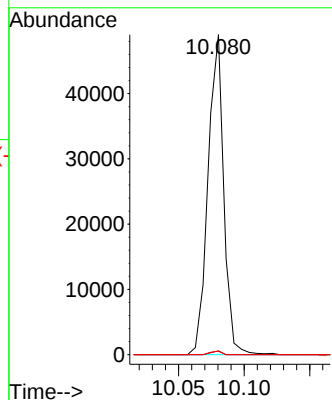
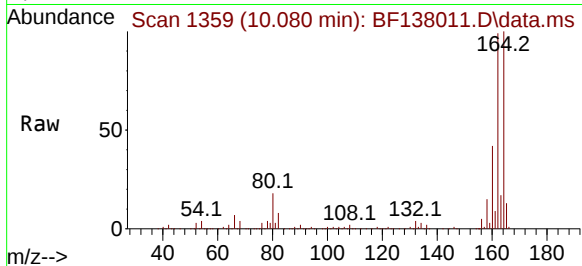




#51  
2,6-Dinitrotoluene  
Concen: 8.950 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. 0.218 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

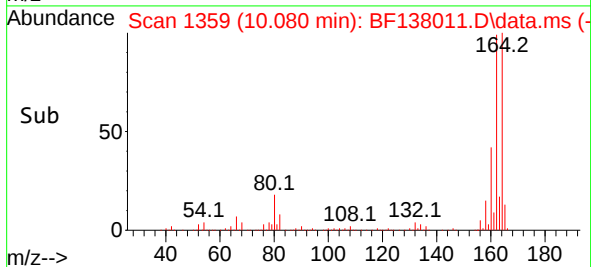
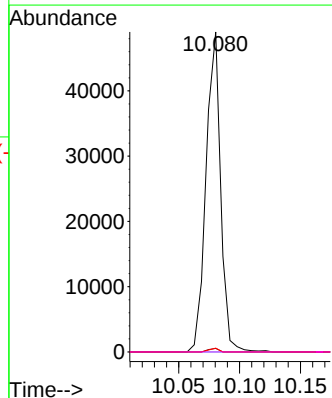
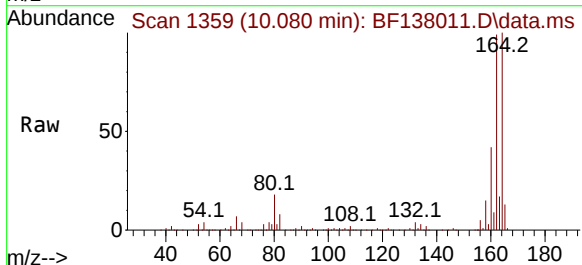
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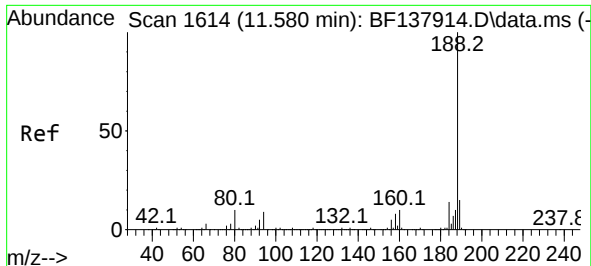
Tgt Ion:165 Resp: 40985  
Ion Ratio Lower Upper  
165 100  
63 1.1 38.9 58.3#  
89 1.2 40.4 60.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.923 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.188 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:165 Resp: 40985  
Ion Ratio Lower Upper  
165 100  
63 1.1 25.3 37.9#  
89 1.2 45.9 68.9#  
182 0.0 2.2 3.4#

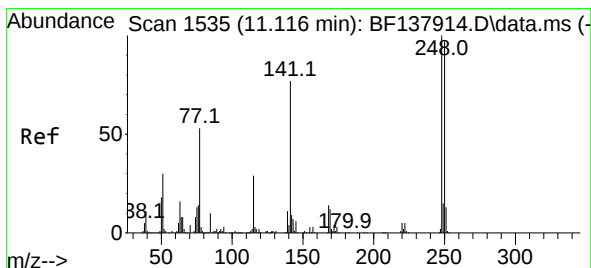
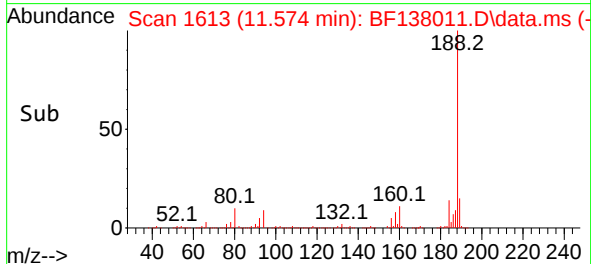
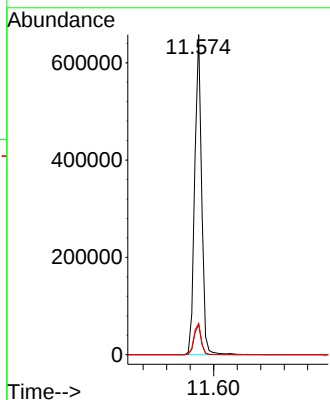
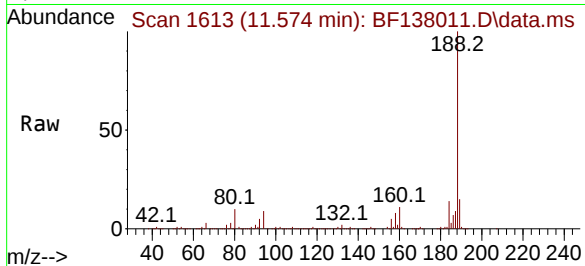




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.574 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

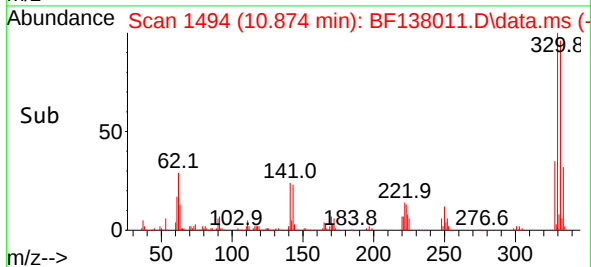
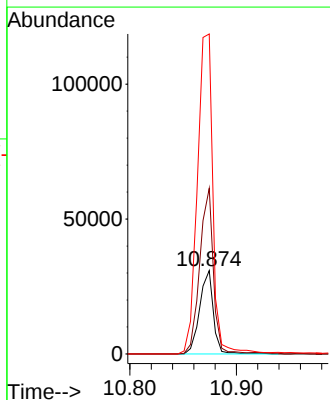
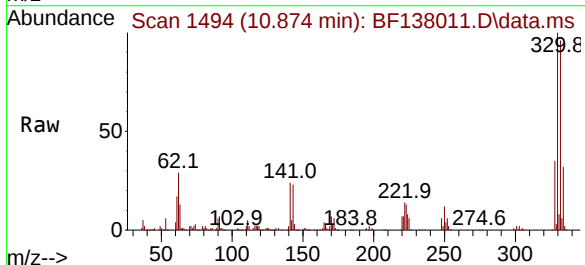
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

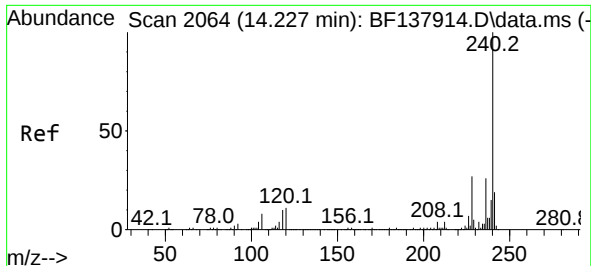
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Ion Ratio Lower Upper  
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94 9.4 7.0 10.4  
80 9.8 7.7 11.5



#67  
4-Bromophenyl-phenylether  
Concen: 4.750 ng  
RT: 10.874 min Scan# 1494  
Delta R.T. -0.241 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:248 Resp: 27850  
Ion Ratio Lower Upper  
248 100  
250 198.6 77.6 116.4#  
141 383.6 61.4 92.2#

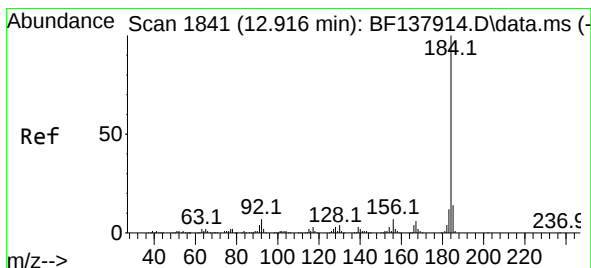
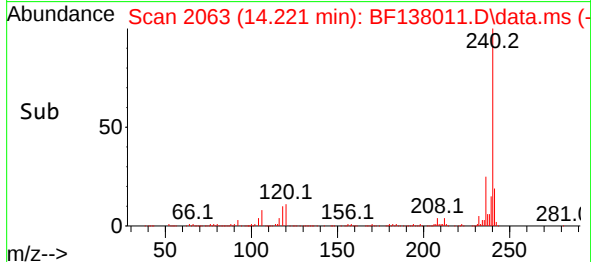
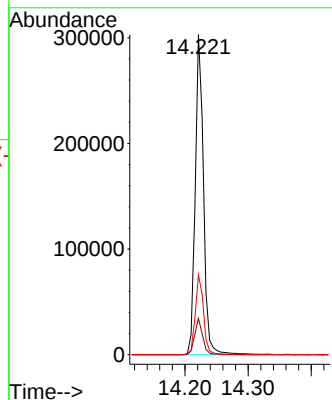
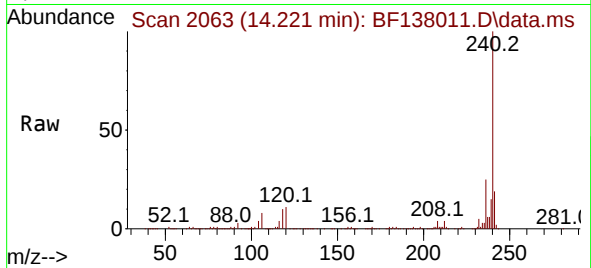




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.221 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

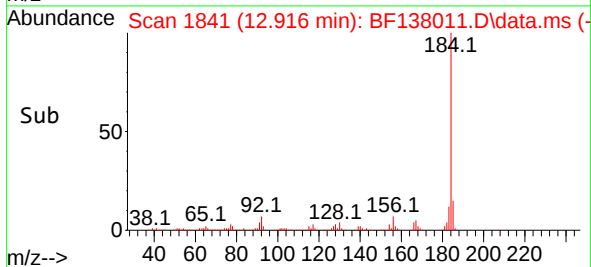
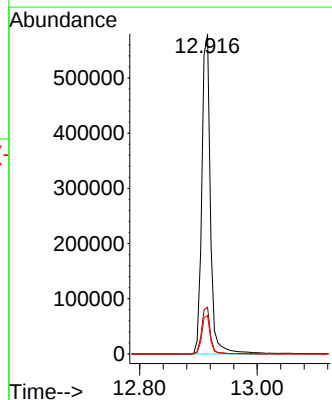
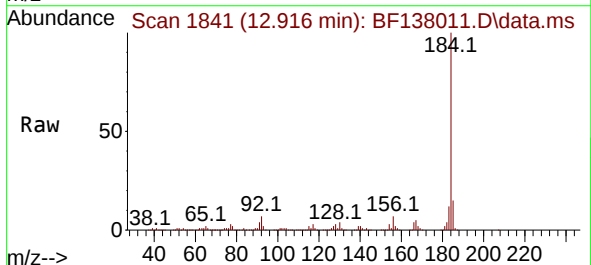
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPQ

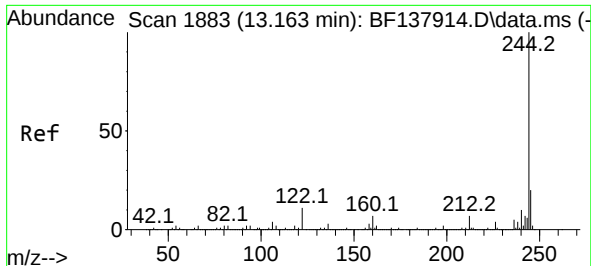
Tgt Ion:240 Resp: 275111  
Ion Ratio Lower Upper  
240 100  
120 11.3 8.9 13.3  
236 24.9 21.0 31.4



#77  
Benzidine  
Concen: 162.913 ng  
RT: 12.916 min Scan# 1841  
Delta R.T. -0.001 min  
Lab File: BF138011.D  
Acq: 22 May 2024 18:23

Tgt Ion:184 Resp: 585737  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.4 17.2  
183 12.0 9.5 14.3

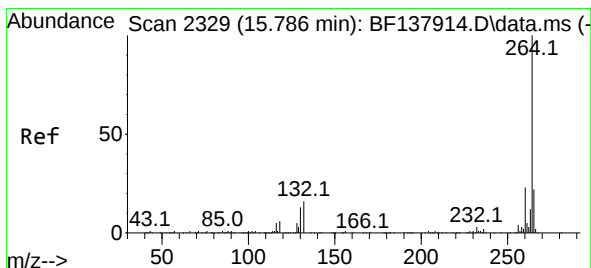
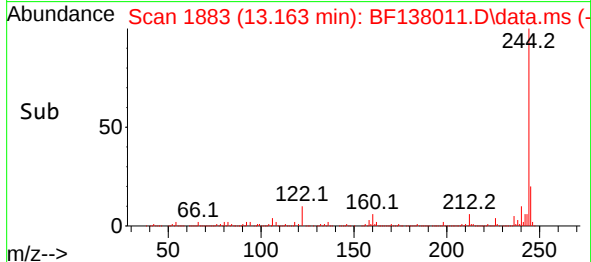
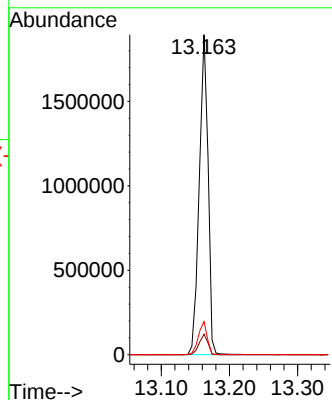
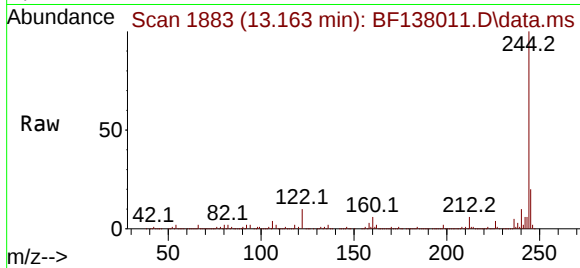




#79  
 Terphenyl-d14  
 Concen: 91.042 ng  
 RT: 13.163 min Scan# 1883  
 Delta R.T. -0.000 min  
 Lab File: BF138011.D  
 Acq: 22 May 2024 18:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TPQ

Tgt Ion:244 Resp: 1699468  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.6 8.4  
 122 10.4 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.786 min Scan# 2329  
 Delta R.T. -0.000 min  
 Lab File: BF138011.D  
 Acq: 22 May 2024 18:23

Tgt Ion:264 Resp: 253328  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.3 27.5  
 265 21.3 17.6 26.4

