

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110323\  
 Data File : BF136122.D  
 Acq On : 03 Nov 2023 14:08  
 Operator : CG\JU  
 Sample : 05096-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5

Quant Time: Nov 04 00:07:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

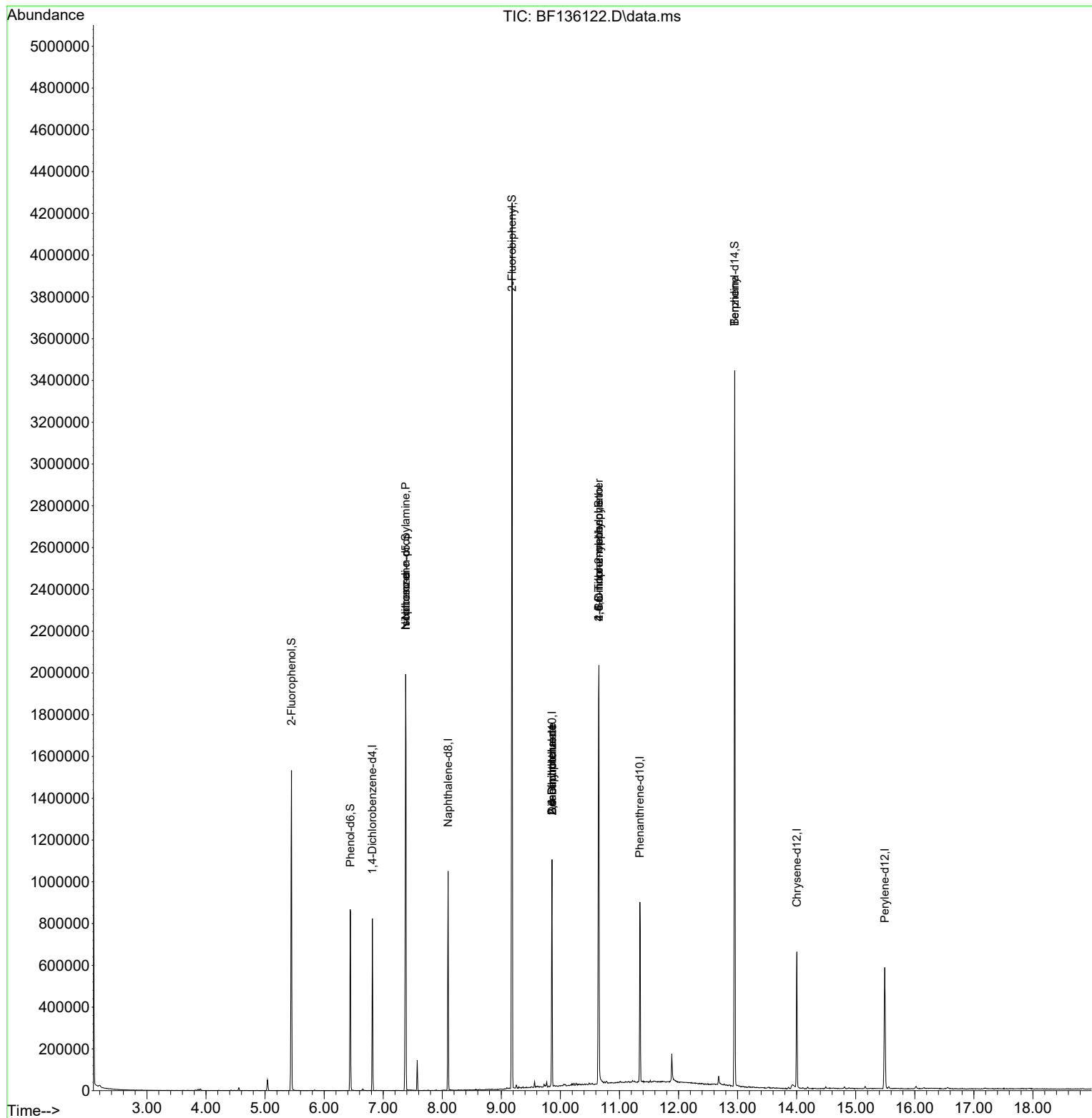
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 105618   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.098  | 136  | 397286   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 194403   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 313676   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.004 | 240  | 215542   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 266684   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.446  | 112  | 394065   | 58.630  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 289570   | 34.579  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 691774   | 104.967 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 271035   | 130.618 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1232546  | 101.069 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1186899  | 85.574  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 92174    | 19.264  | ng    | # 77     |
| 25) Isophorone                | 7.381  | 82   | 691765   | 55.599  | ng    | # 64     |
| 50) Dimethylphthalate         | 9.857  | 163  | 41140    | 3.208   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 25550    | 9.316   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 25550    | 7.363   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.651 | 198  | 560      | 6.076   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 16622    | 5.054   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 15736    | 3.746   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

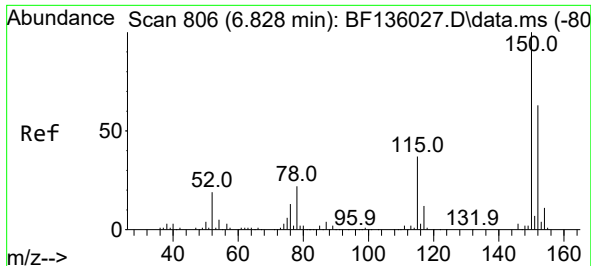
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 00:07:55 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 31 01:13:02 2023  
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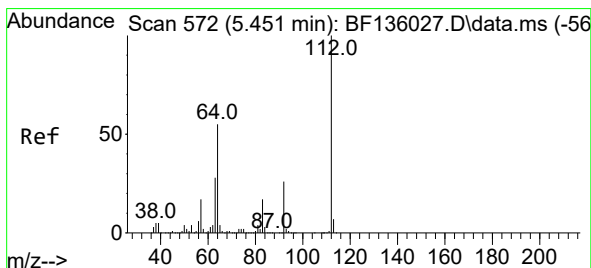
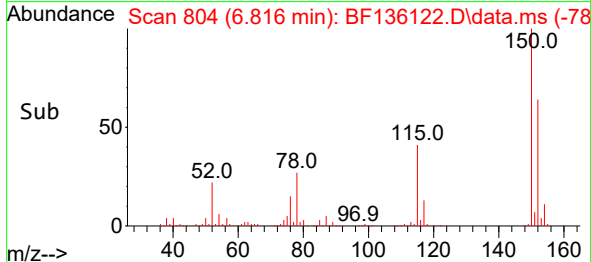
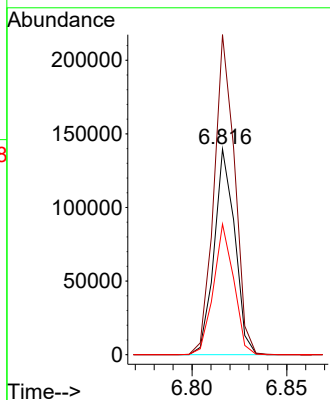
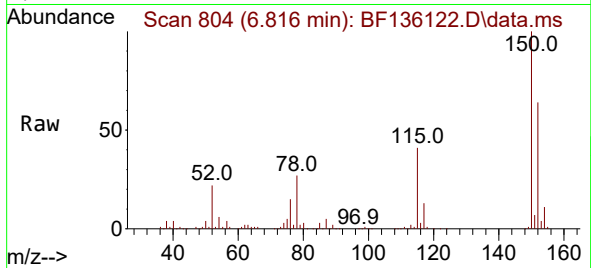




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 806  
Delta R.T. -0.012 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

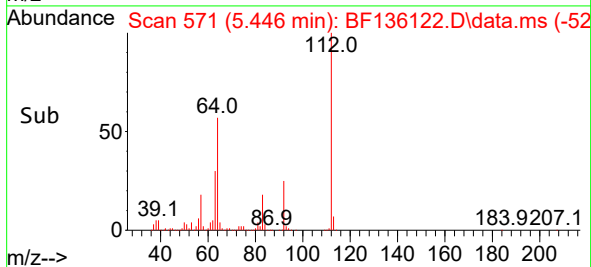
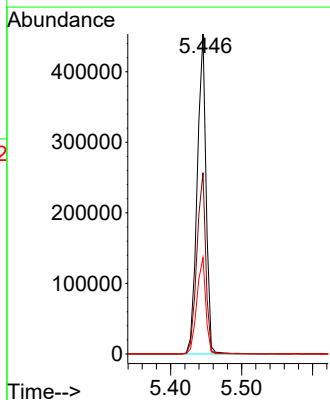
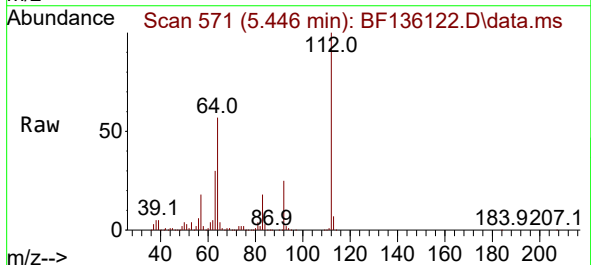
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5

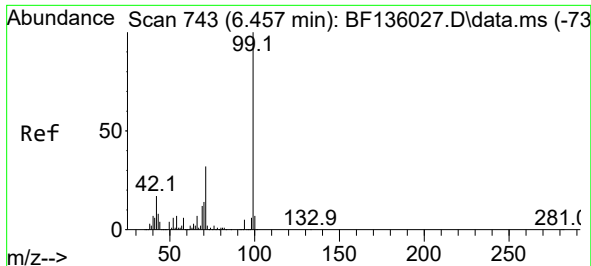
Tgt Ion:152 Resp: 105618  
Ion Ratio Lower Upper  
152 100  
150 155.7 126.4 189.6  
115 63.6 47.0 70.4



#5  
2-Fluorophenol  
Concen: 58.630 ng  
RT: 5.446 min Scan# 571  
Delta R.T. -0.006 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:112 Resp: 394065  
Ion Ratio Lower Upper  
112 100  
64 56.6 43.9 65.9  
63 30.1 22.4 33.6

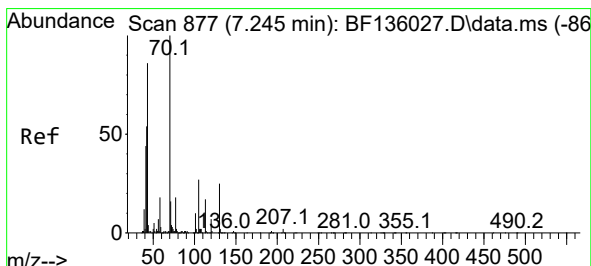
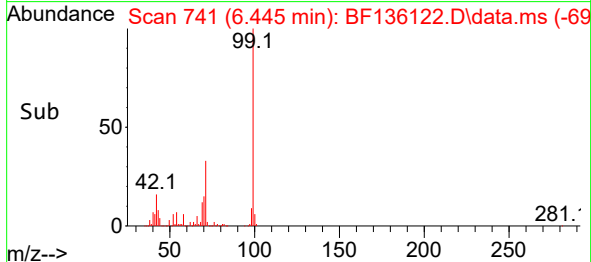
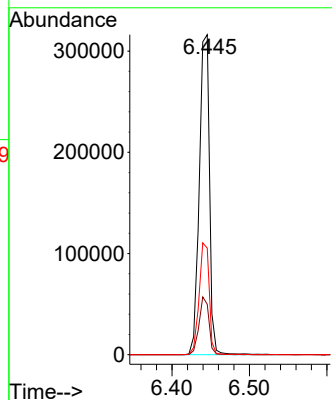
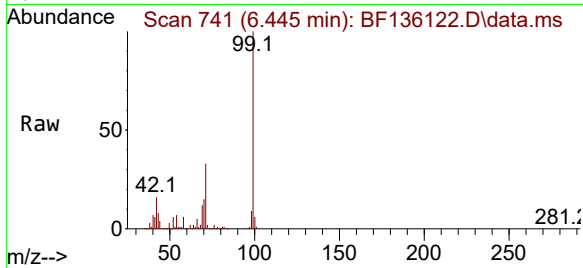




#7  
Phenol-d6  
Concen: 34.579 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.012 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

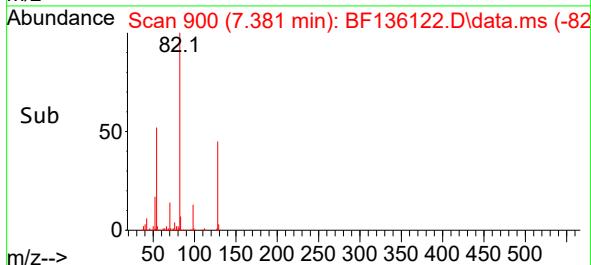
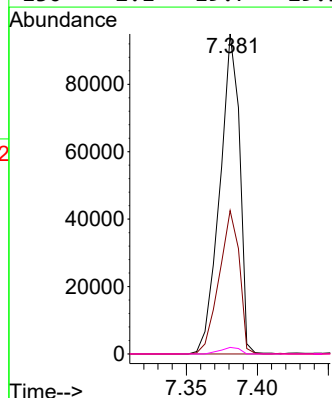
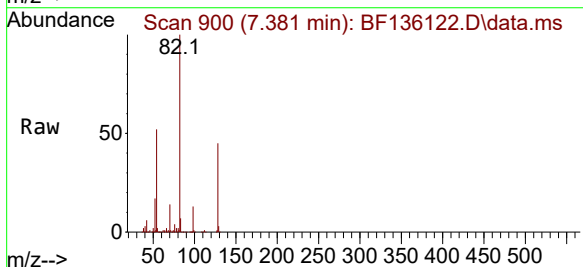
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5

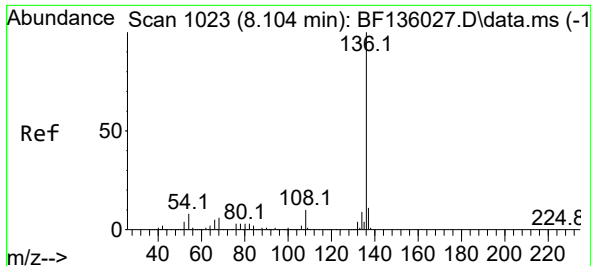
Tgt Ion: 99 Resp: 289570  
Ion Ratio Lower Upper  
99 100  
42 15.8 13.7 20.5  
71 33.3 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.264 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.135 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion: 70 Resp: 92174  
Ion Ratio Lower Upper  
70 100  
42 44.8 43.0 64.4  
101 0.0 8.0 12.0#  
130 2.1 19.7 29.5#

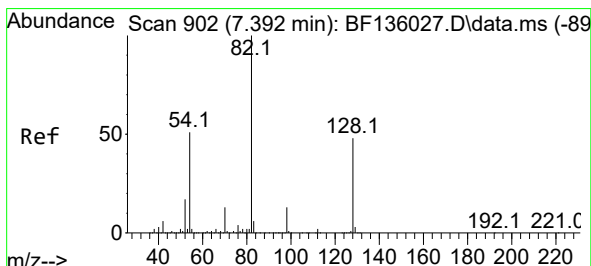
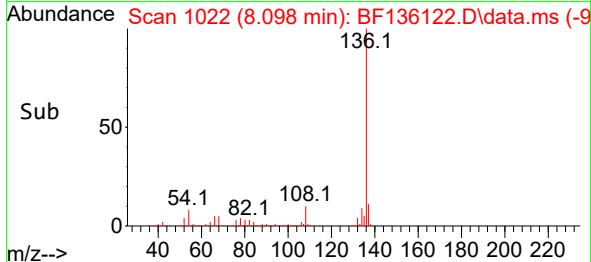
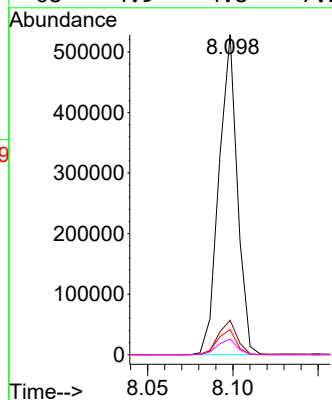
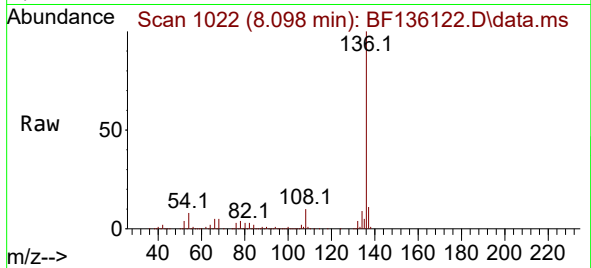




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

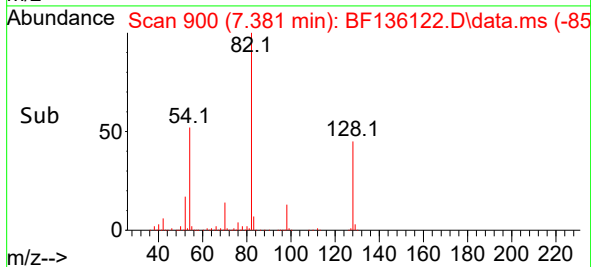
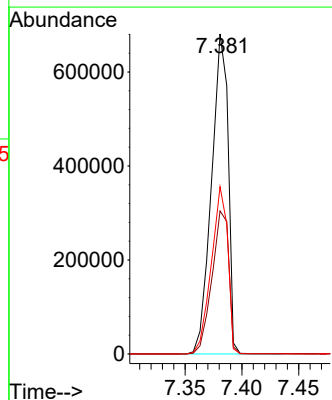
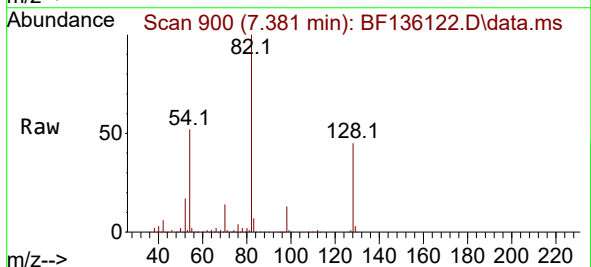
Instrument :  
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ClientSampleId :  
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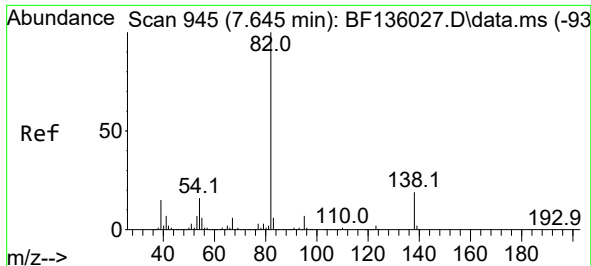
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 397286 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.7    | 8.6   | 13.0   |
| 54  | 7.9     | 6.6   | 9.8    |
| 68  | 4.9     | 4.8   | 7.2    |



#23  
Nitrobenzene-d5  
Concen: 104.967 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 691774 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.7    | 38.6 57.8    |
| 54 52.3     | 40.8 61.2    |

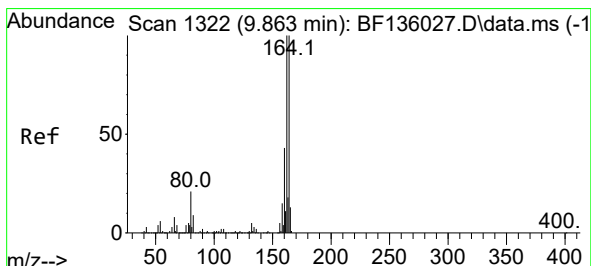
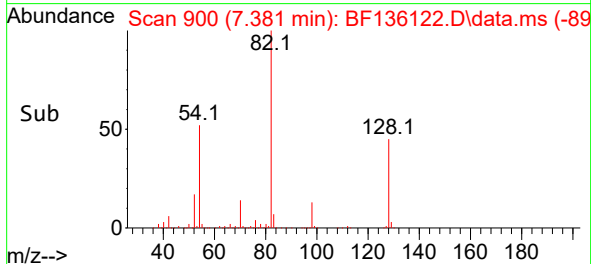
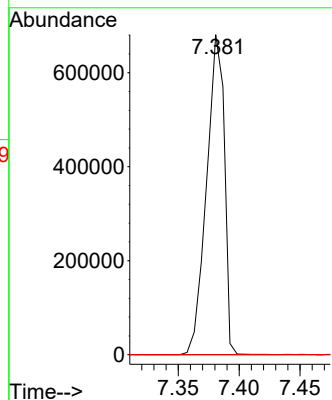
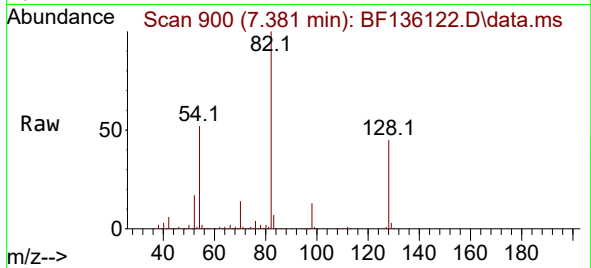




#25  
Isophorone  
Concen: 55.599 ng  
RT: 7.381 min Scan# 90  
Delta R.T. -0.264 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

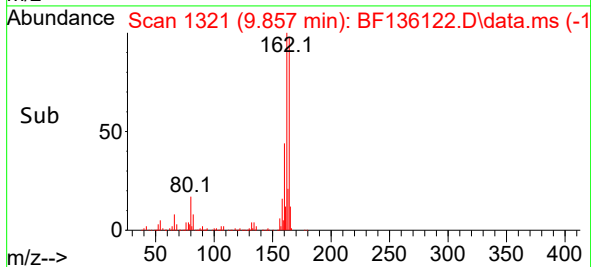
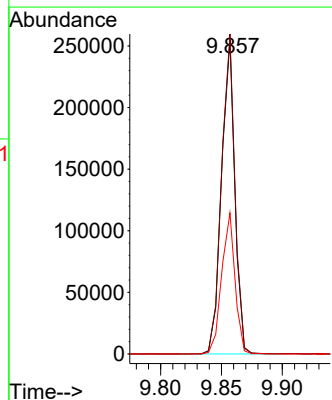
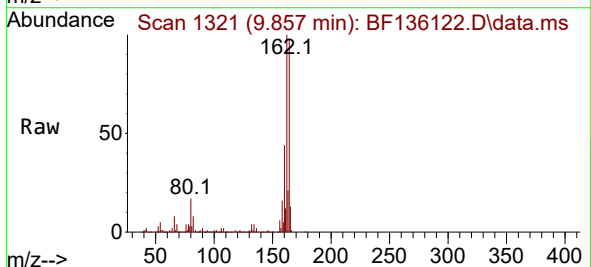
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ClientSampleId :  
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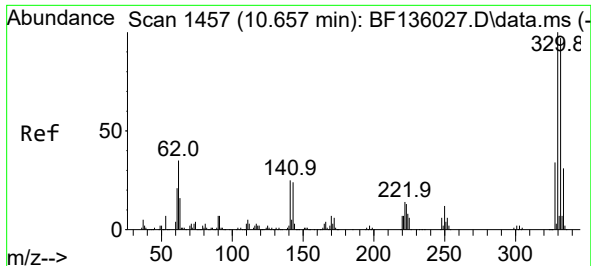
Tgt Ion: 82 Resp: 691765  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 15.3 22.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:164 Resp: 194403  
Ion Ratio Lower Upper  
164 100  
162 101.9 80.1 120.1  
160 44.9 34.8 52.2

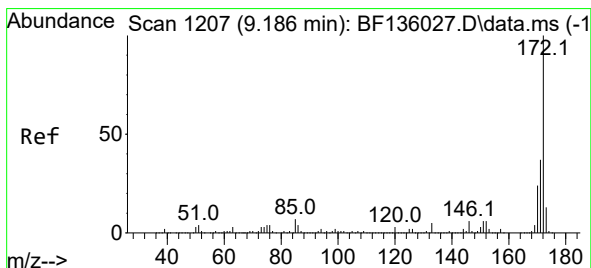
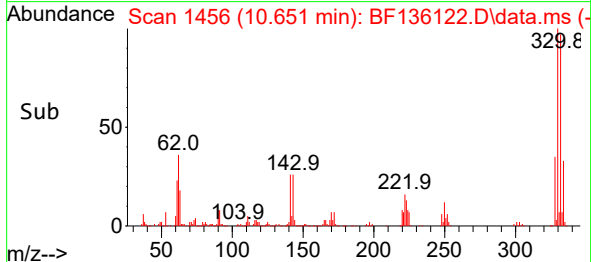
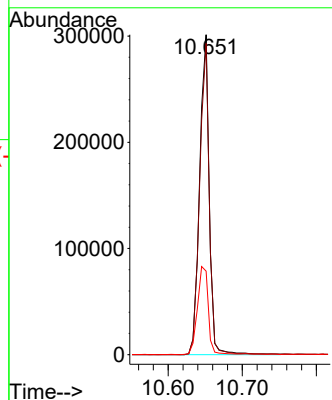
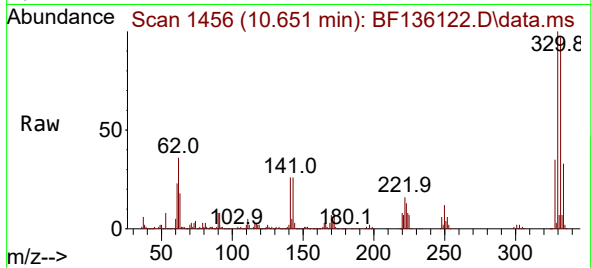




#42  
2,4,6-Tribromophenol  
Concen: 130.618 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

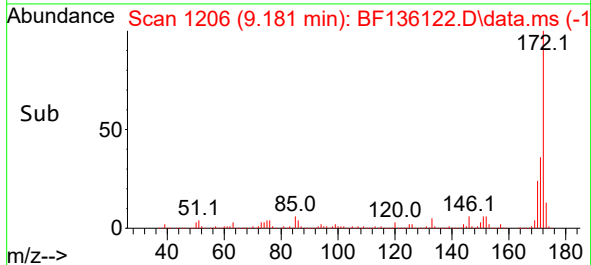
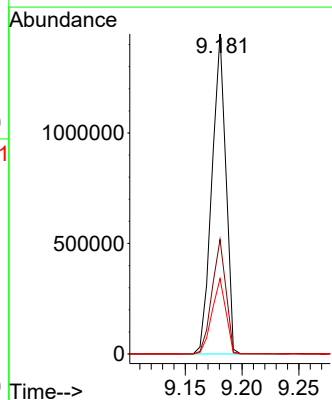
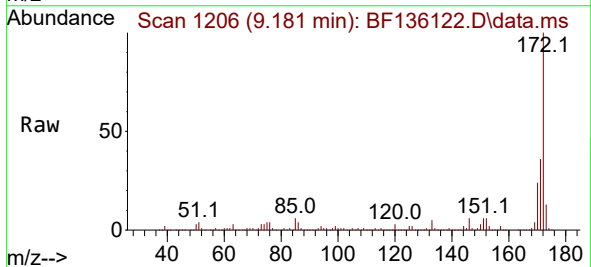
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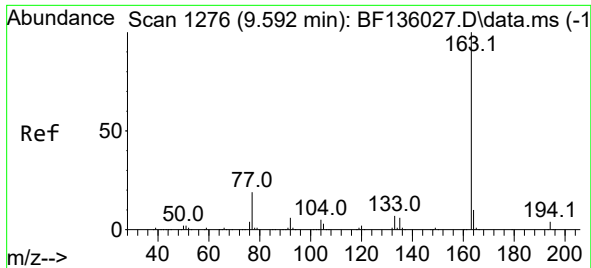
Tgt Ion:330 Resp: 271035  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.9 115.3  
141 31.5 23.2 34.8



#45  
2-Fluorobiphenyl  
Concen: 101.069 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:172 Resp: 1232546  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.4 44.0  
170 23.6 19.3 28.9

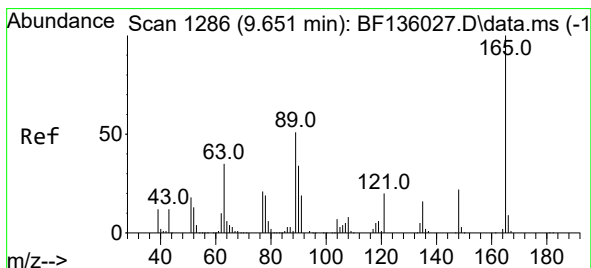
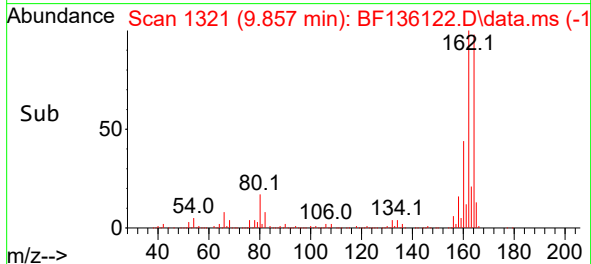
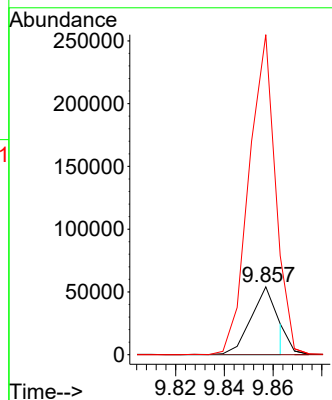
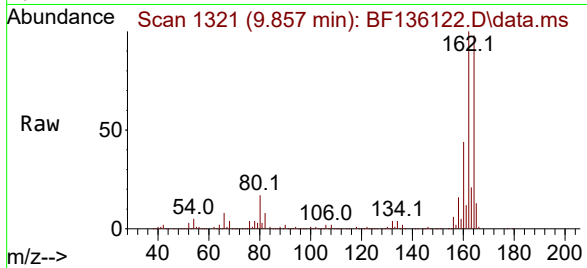




#50  
Dimethylphthalate  
Concen: 3.208 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.265 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

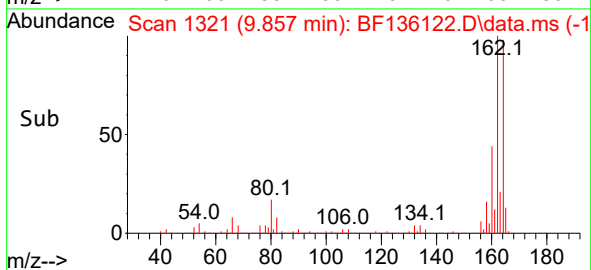
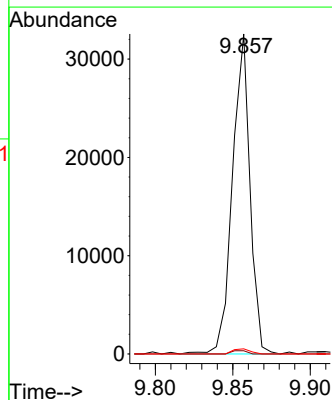
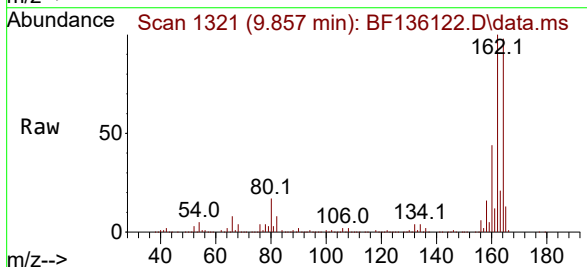
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BNA\_F  
ClientSampleId :  
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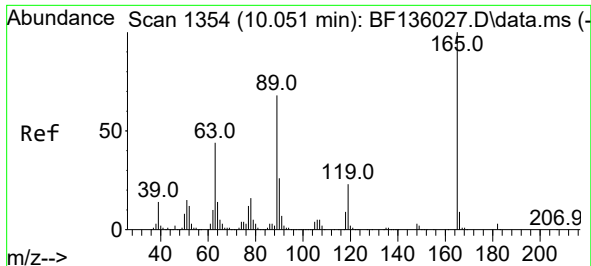
Tgt Ion:163 Resp: 41140  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 471.9 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 9.316 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.206 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:165 Resp: 25550  
Ion Ratio Lower Upper  
165 100  
63 1.0 40.8 61.2#  
89 1.6 41.1 61.7#

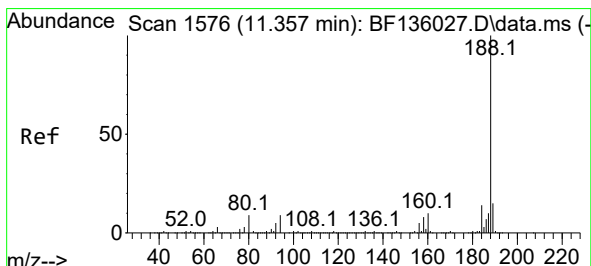
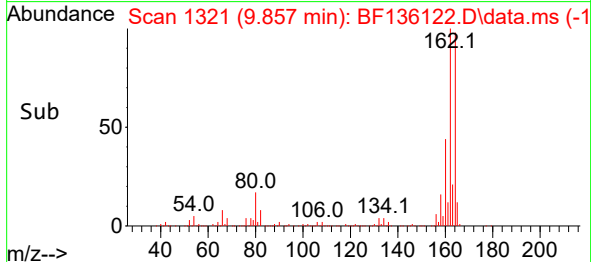
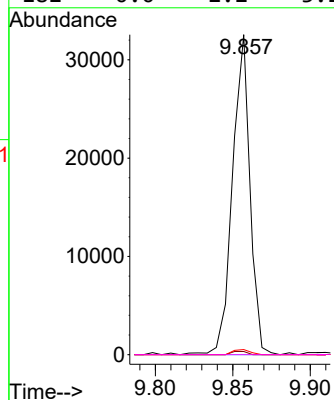
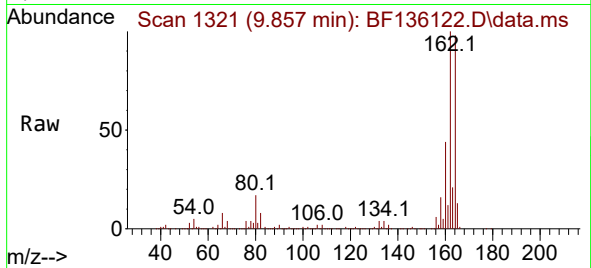




#57  
2,4-Dinitrotoluene  
Concen: 7.363 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

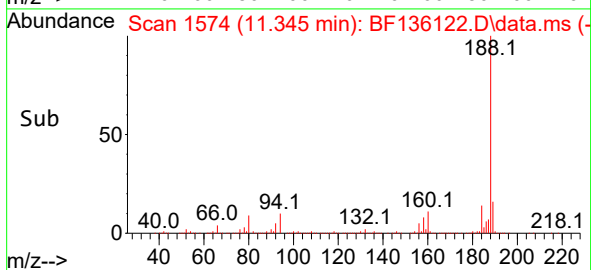
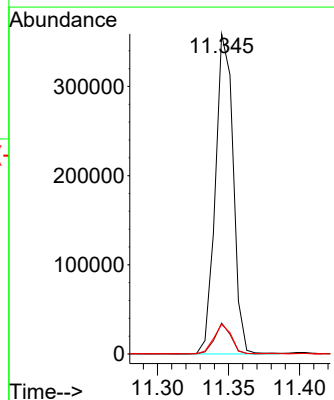
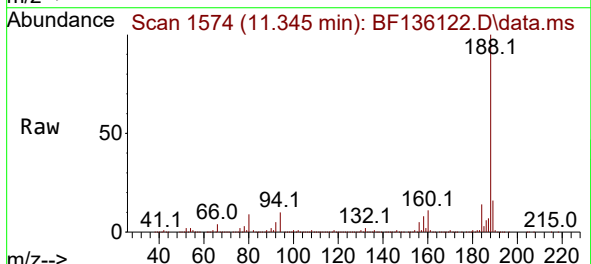
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5

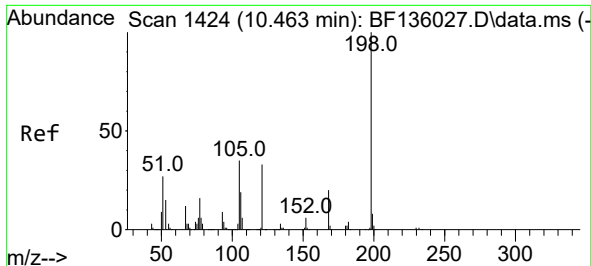
Tgt Ion:165 Resp: 25550  
Ion Ratio Lower Upper  
165 100  
63 1.0 35.2 52.8#  
89 1.6 54.8 82.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.012 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:188 Resp: 313676  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.2 10.8  
80 9.3 7.4 11.0

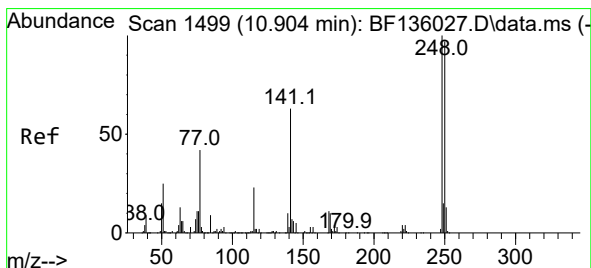
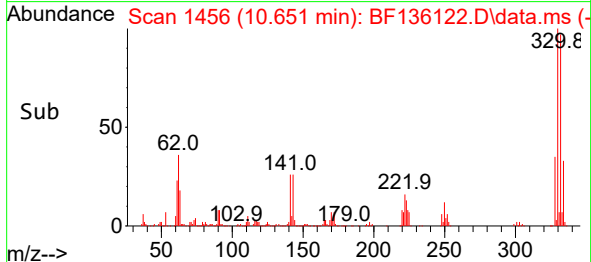
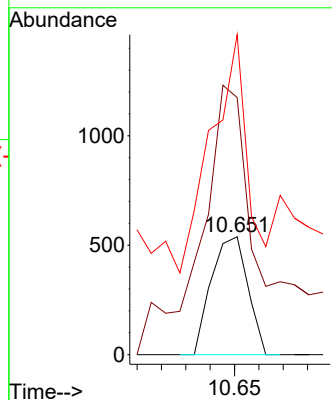
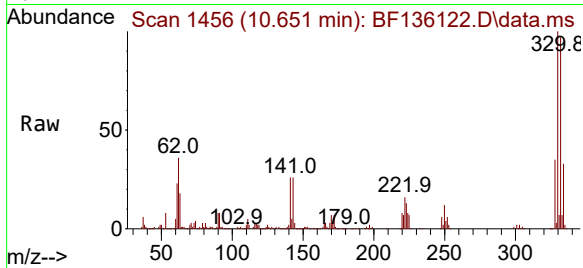




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.076 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. 0.188 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

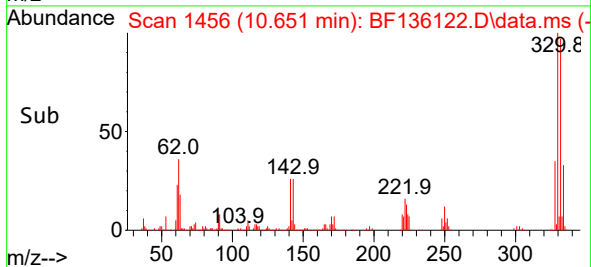
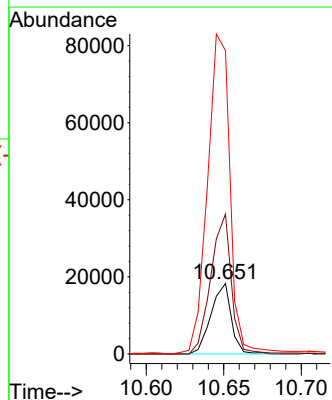
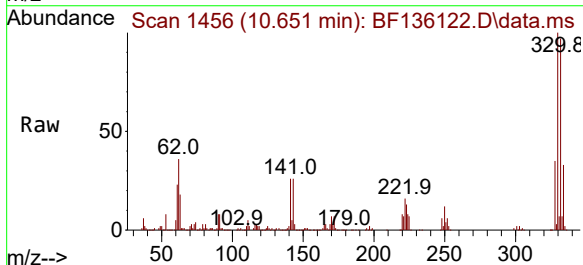
Instrument :  
BNA\_F  
ClientSampleId :  
MW-5

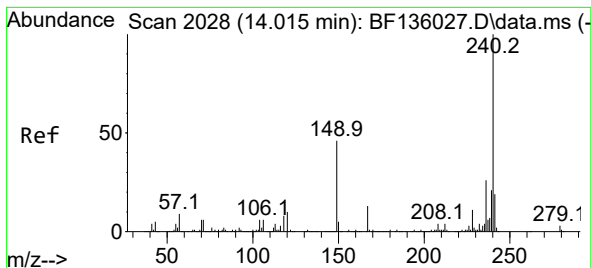
Tgt Ion:198 Resp: 560  
Ion Ratio Lower Upper  
198 100  
51 218.0 12.9 52.9#  
105 271.2 16.0 56.0#



#67  
4-Bromophenyl-phenylether  
Concen: 5.054 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.253 min  
Lab File: BF136122.D  
Acq: 03 Nov 2023 14:08

Tgt Ion:248 Resp: 16622  
Ion Ratio Lower Upper  
248 100  
250 198.9 77.6 116.4#  
141 431.3 50.4 75.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF136122.D

Acq: 03 Nov 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

MW-5

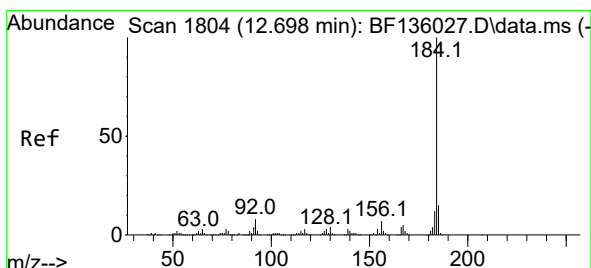
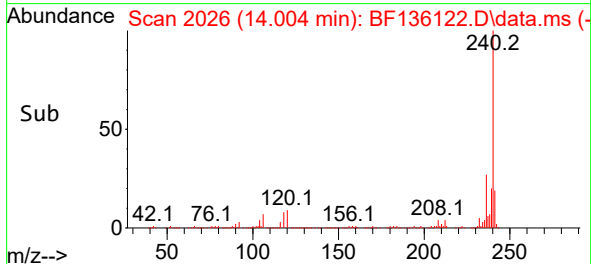
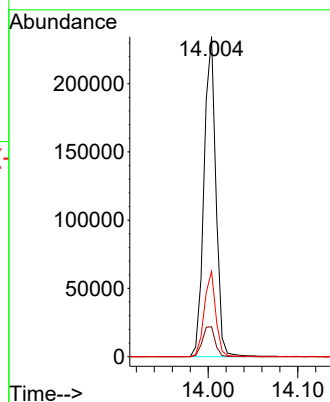
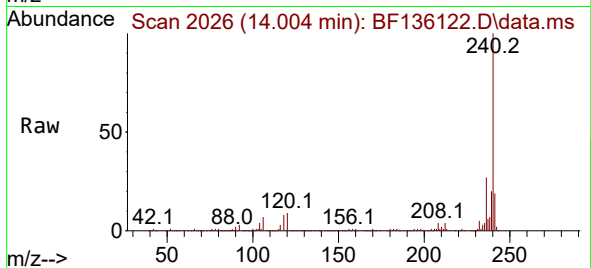
Tgt Ion:240 Resp: 215542

Ion Ratio Lower Upper

240 100

120 9.4 7.6 11.4

236 26.7 20.6 31.0



#77

Benzidine

Concen: 3.746 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136122.D

Acq: 03 Nov 2023 14:08

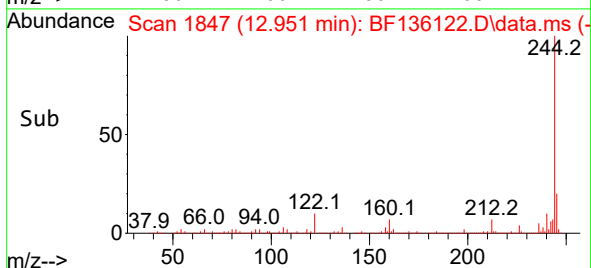
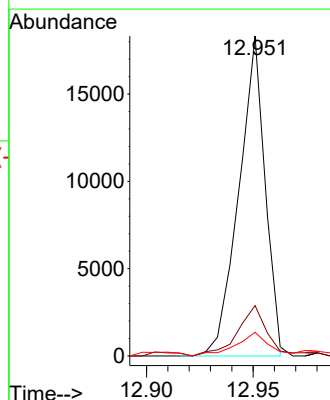
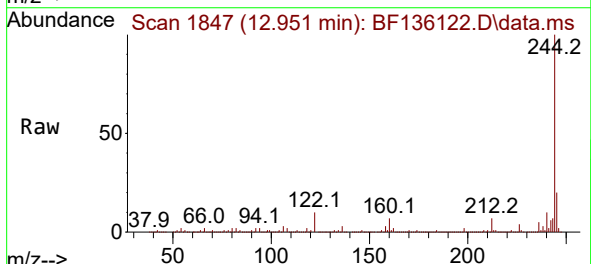
Tgt Ion:184 Resp: 15736

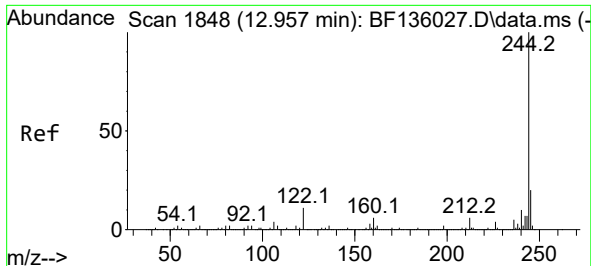
Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

183 7.4 9.5 14.3#

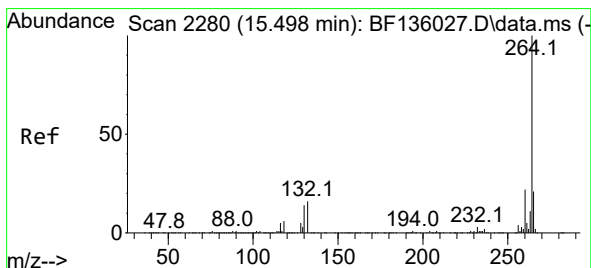
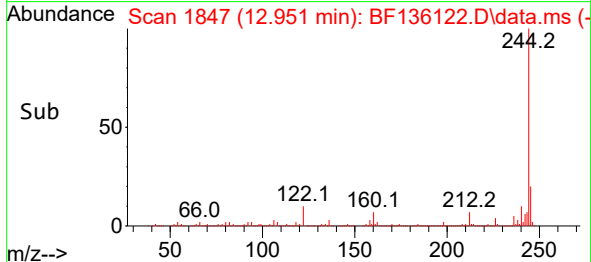
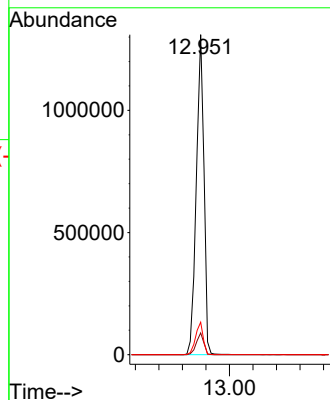
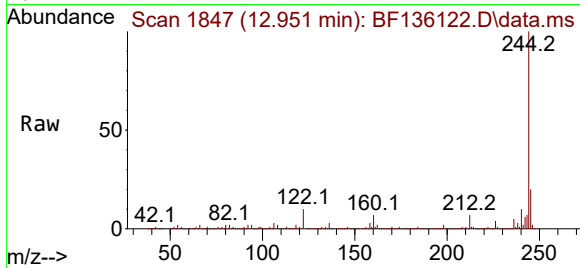




#79  
 Terphenyl-d14  
 Concen: 85.574 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF136122.D  
 Acq: 03 Nov 2023 14:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-5

Tgt Ion:244 Resp: 1186899  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.1 7.7  
 122 10.2 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.492 min Scan# 2279  
 Delta R.T. -0.006 min  
 Lab File: BF136122.D  
 Acq: 03 Nov 2023 14:08

Tgt Ion:264 Resp: 266684  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 17.9 26.9  
 265 21.3 16.8 25.2

