

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121823\  
 Data File : BG060074.D  
 Acq On : 18 Dec 2023 20:15  
 Operator : MA/JU  
 Sample : 05612-04DL 10X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-04IDL

Quant Time: Dec 19 04:41:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 2023  
 Response via : Initial Calibration

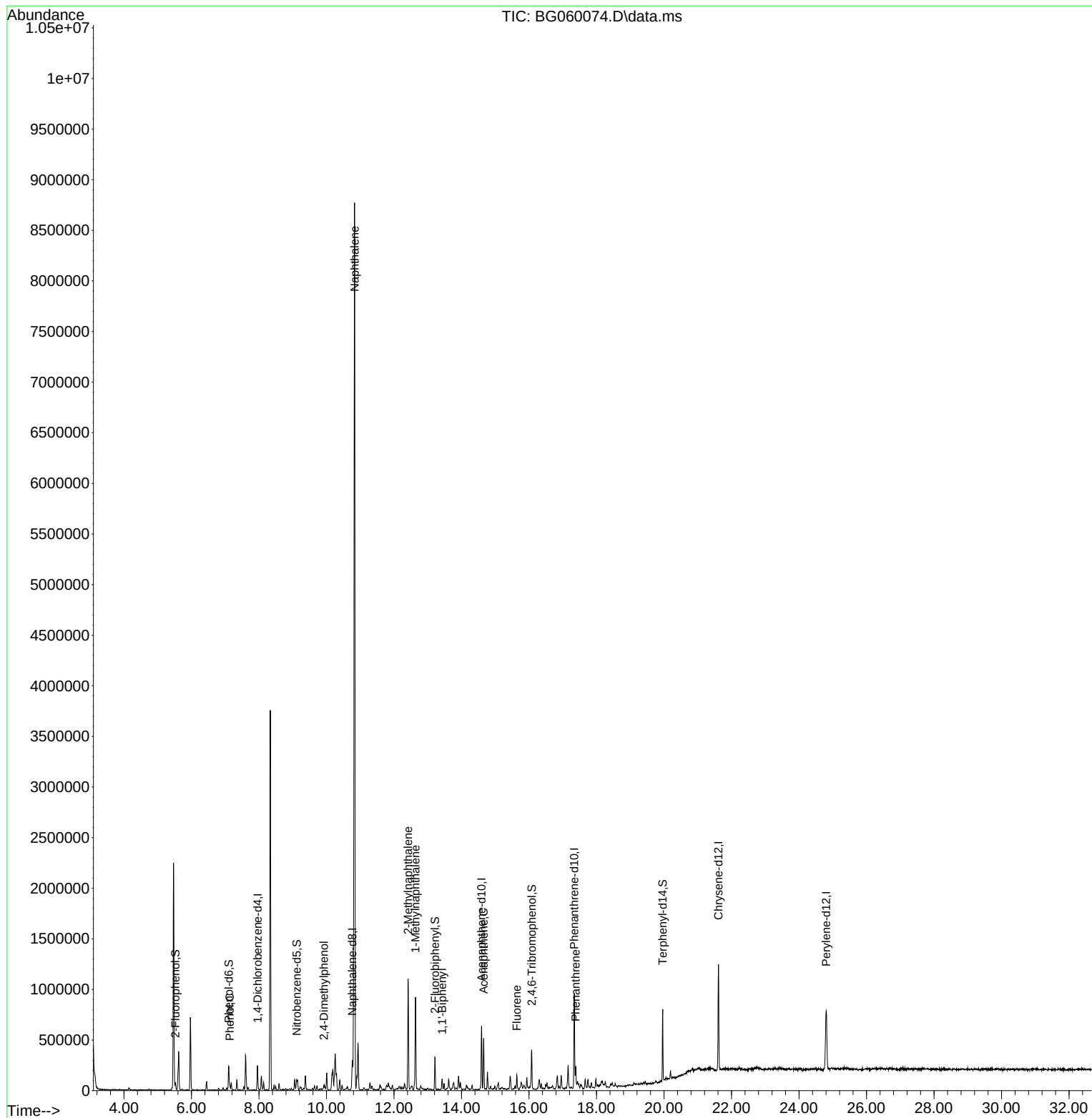
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.958  | 152  | 64208    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.767 | 136  | 254217   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.592 | 164  | 222299   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.342 | 188  | 661589   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.613 | 240  | 693555   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 24.803 | 264  | 767305   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.526  | 112  | 24027    | 6.406   | ng    | 0.00     |
| 7) Phenol-d6                | 7.106  | 99   | 21489    | 4.073   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.116  | 82   | 48135    | 8.598   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.078 | 330  | 79438    | 15.334  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.217 | 172  | 178263   | 9.815   | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.962 | 244  | 399086   | 10.506  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 10) Phenol                  | 7.136  | 94   | 20030    | 3.779   | ng    | 77       |
| 27) 2,4-Dimethylphenol      | 9.927  | 122  | 13100    | 4.572   | ng    | # 84     |
| 31) Naphthalene             | 10.832 | 128  | 6389538  | 482.812 | ng    | # 85     |
| 37) 2-Methylnaphthalene     | 12.418 | 142  | 477845   | 46.037  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.635 | 142  | 390715   | 38.107  | ng    | 97       |
| 46) 1,1'-Biphenyl           | 13.429 | 154  | 54970    | 3.334   | ng    | 99       |
| 52) Acenaphthene            | 14.656 | 154  | 193081   | 14.362  | ng    | 86       |
| 58) Fluorene                | 15.638 | 166  | 59914    | 3.247   | ng    | 89       |
| 71) Phenanthrene            | 17.383 | 178  | 129367   | 4.037   | ng    | 96       |
| -----                       |        |      |          |         |       |          |

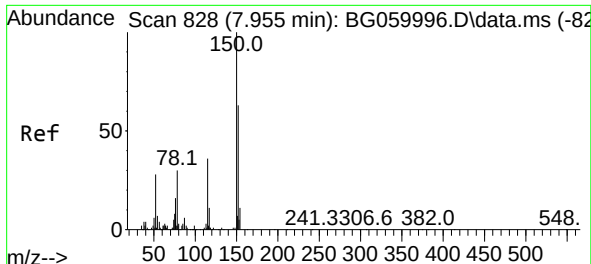
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121823\  
Data File : BG060074.D  
Acq On : 18 Dec 2023 20:15  
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Sample : 05612-04DL 10X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

Quant Time: Dec 19 04:41:30 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 04:37:23 2023  
Response via : Initial Calibration

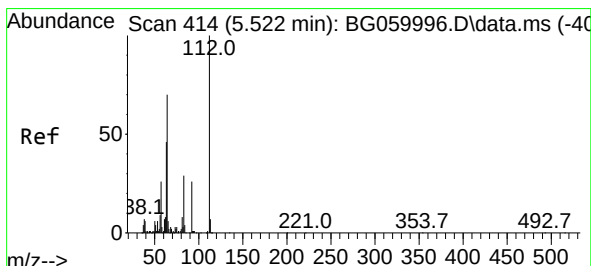
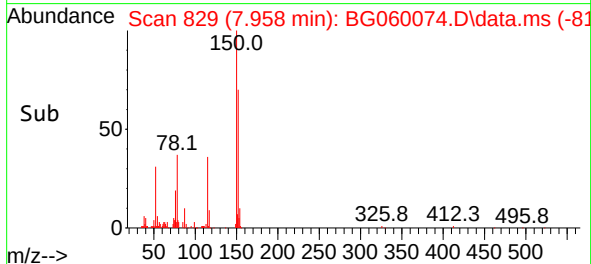
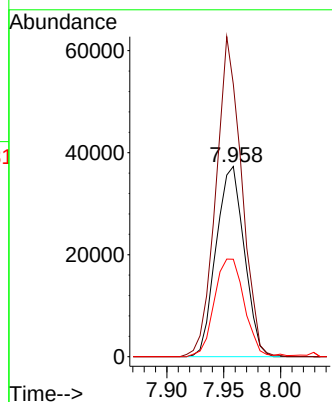
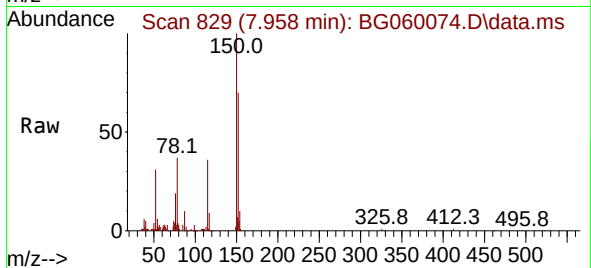




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.958 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

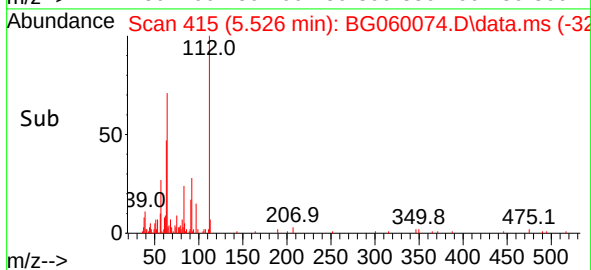
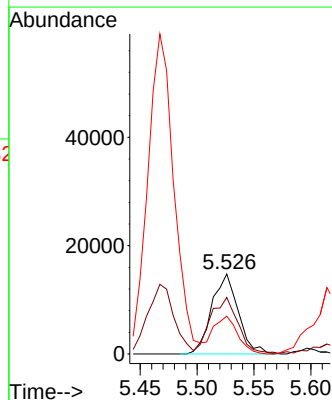
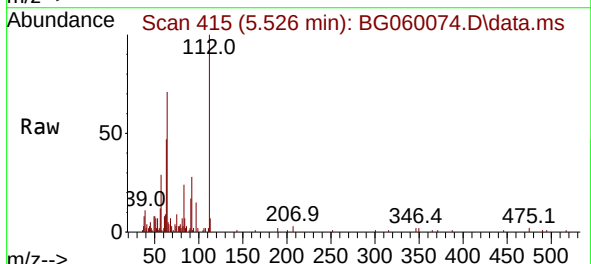
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

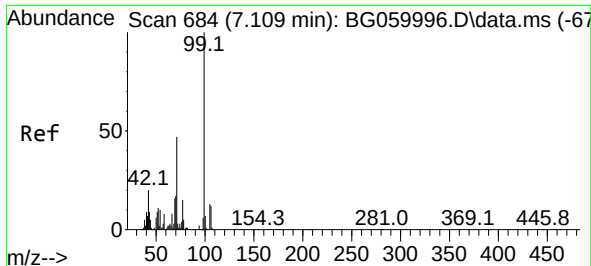
Tgt Ion:152 Resp: 64208  
Ion Ratio Lower Upper  
152 100  
150 143.2 127.0 190.6  
115 51.2 45.7 68.5



#5  
2-Fluorophenol  
Concen: 6.406 ng  
RT: 5.526 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:112 Resp: 24027  
Ion Ratio Lower Upper  
112 100  
64 70.7 55.9 83.9  
63 47.2 36.5 54.7

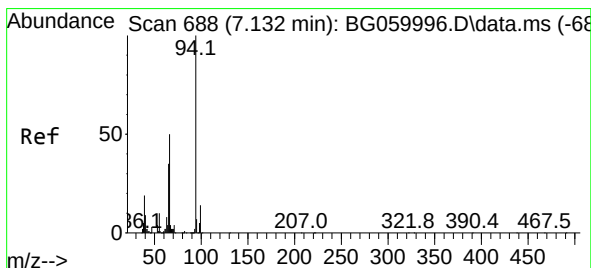
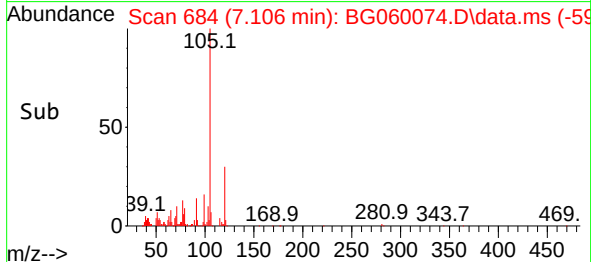
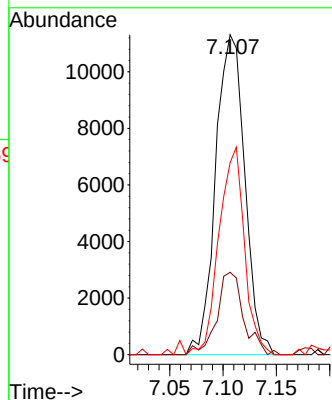
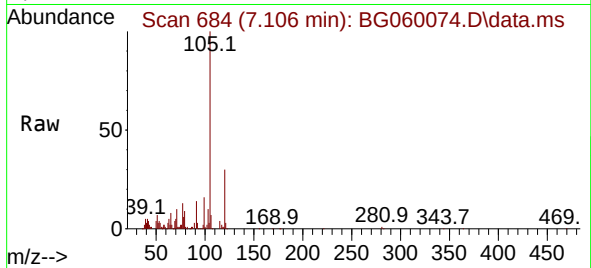




#7  
Phenol-d6  
Concen: 4.073 ng  
RT: 7.106 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

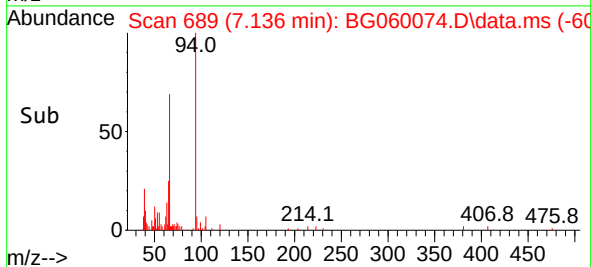
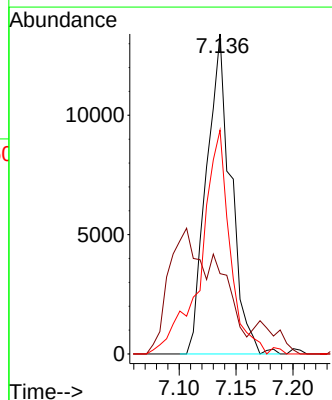
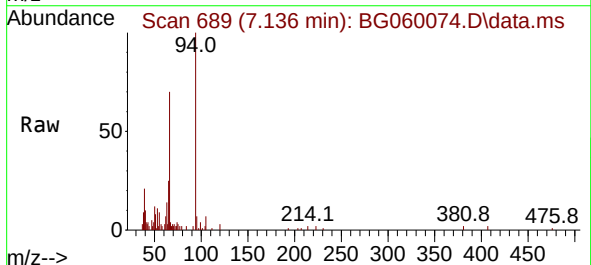
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

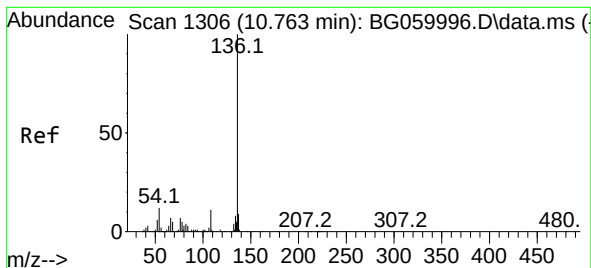
Tgt Ion: 99 Resp: 21489  
Ion Ratio Lower Upper  
99 100  
42 25.8 16.2 24.4#  
71 60.1 37.6 56.4#



#10  
Phenol  
Concen: 3.779 ng  
RT: 7.136 min Scan# 689  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion: 94 Resp: 20030  
Ion Ratio Lower Upper  
94 100  
65 25.1 15.5 55.5  
66 69.9 31.6 71.6

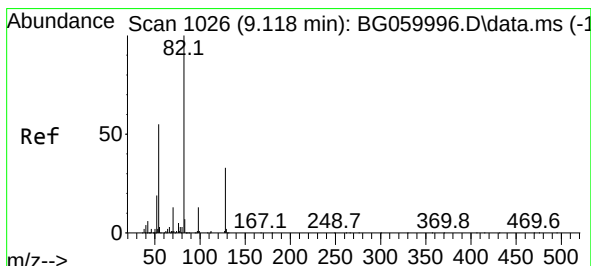
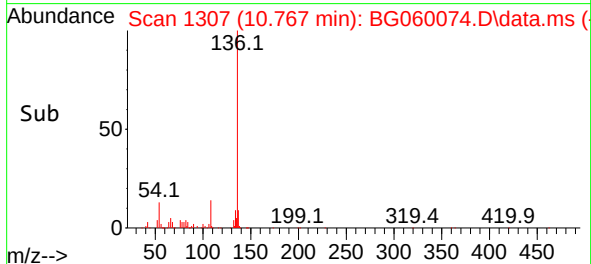
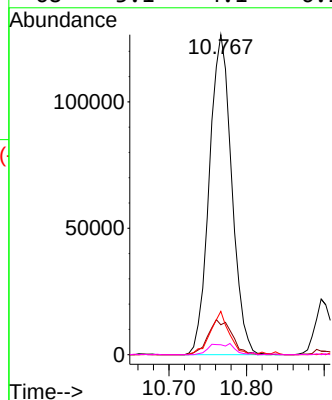
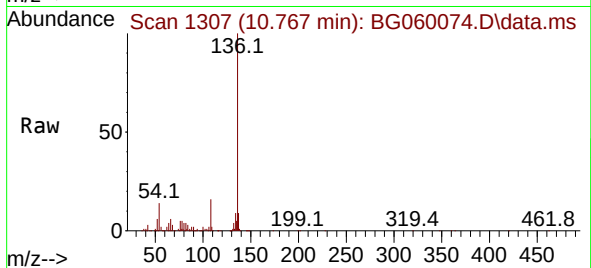




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.767 min Scan# 1306  
Delta R.T. 0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

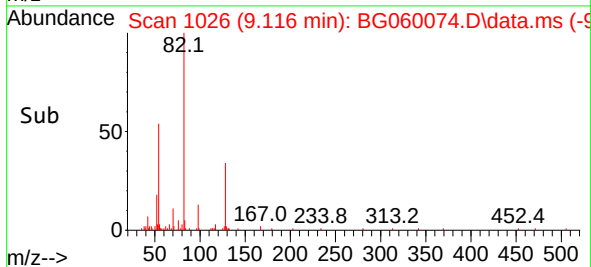
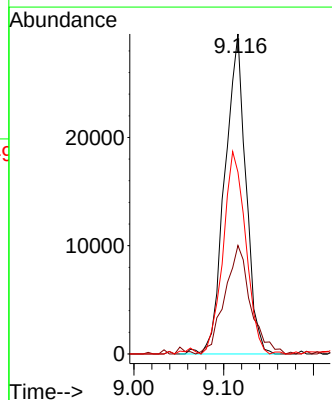
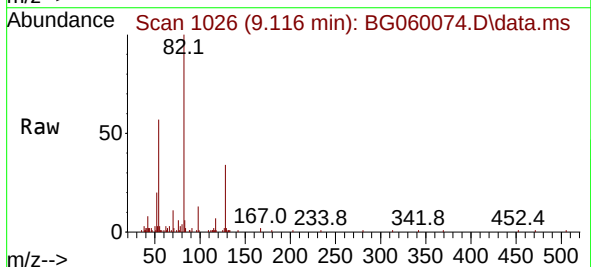
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

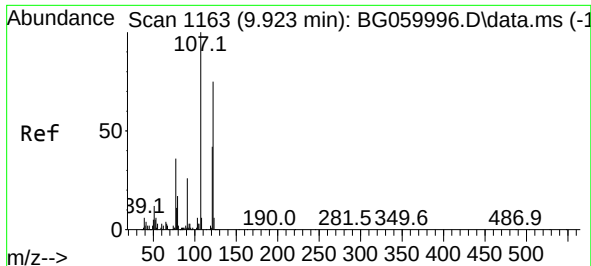
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 254217 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 9.3   | 7.3   | 10.9   |
| 54        | 13.6  | 9.6   | 14.4   |
| 68        | 3.1   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 8.598 ng  
RT: 9.116 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 48135 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 33.9  | 26.3  | 39.5  |
| 54        | 56.8  | 44.3  | 66.5  |

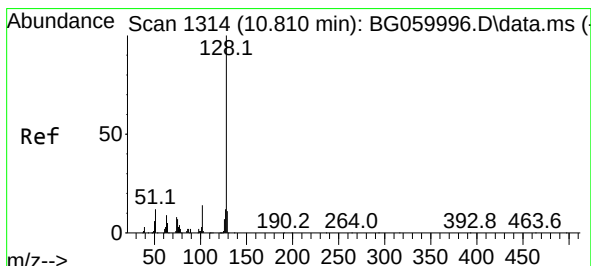
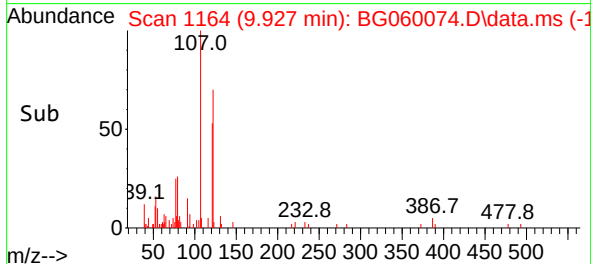
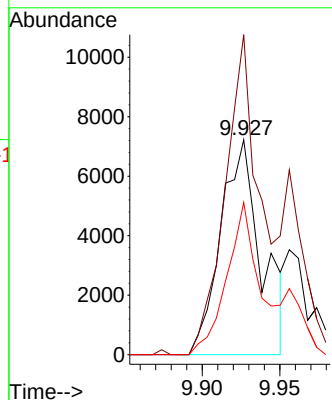
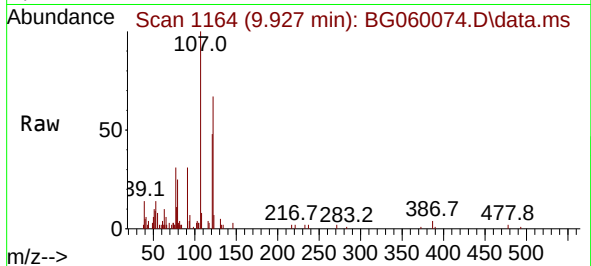




#27  
2,4-Dimethylphenol  
Concen: 4.572 ng  
RT: 9.927 min Scan# 1163  
Delta R.T. -0.000 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

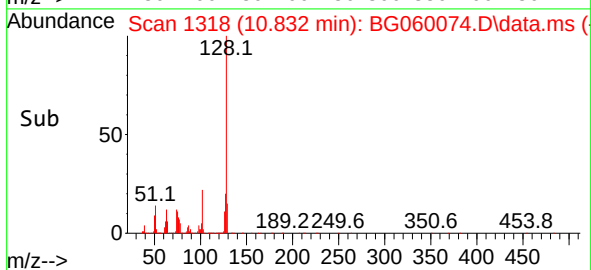
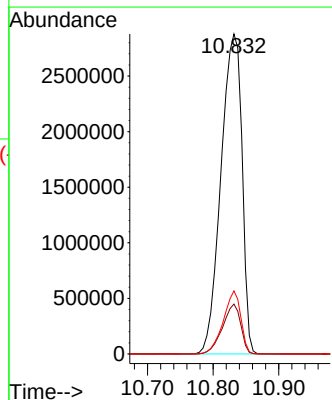
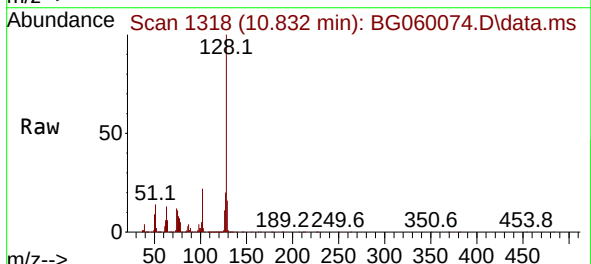
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

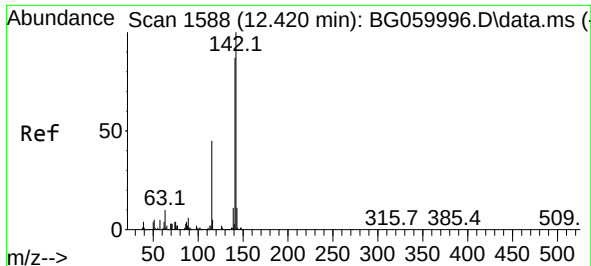
Tgt Ion:122 Resp: 13100  
Ion Ratio Lower Upper  
122 100  
107 148.9 105.9 158.9  
121 70.8 44.5 66.7#



#31  
Naphthalene  
Concen: 482.812 ng  
RT: 10.832 min Scan# 1318  
Delta R.T. 0.017 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:128 Resp: 6389538  
Ion Ratio Lower Upper  
128 100  
129 15.6 9.2 13.8#  
127 19.7 9.7 14.5#

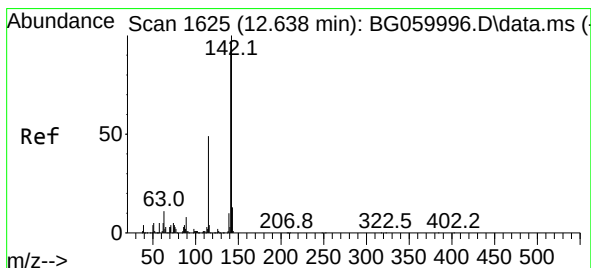
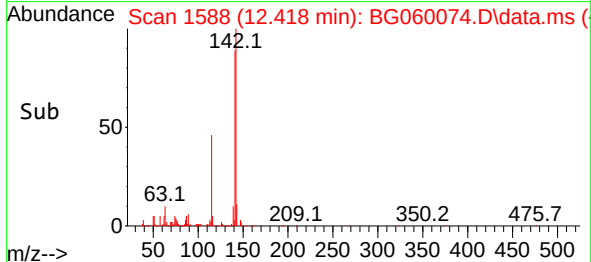
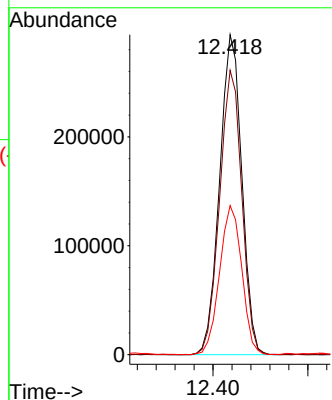
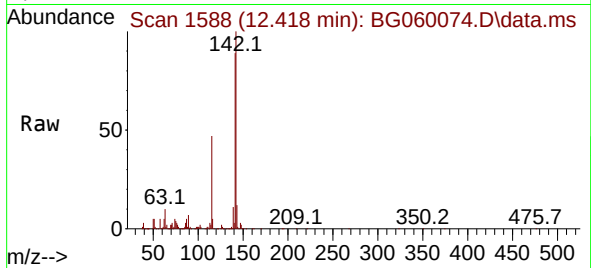




#37  
2-Methylnaphthalene  
Concen: 46.037 ng  
RT: 12.418 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

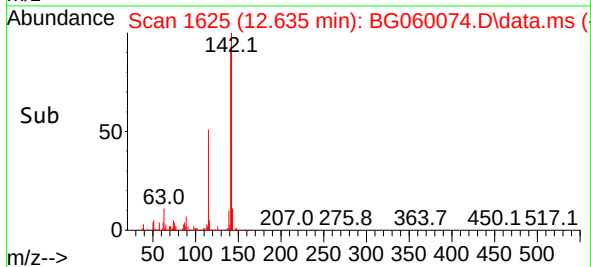
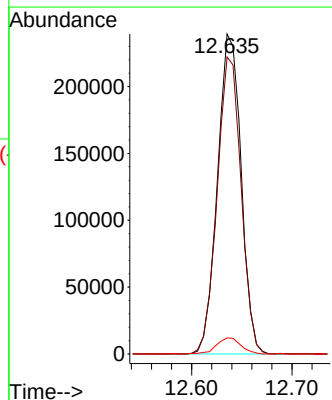
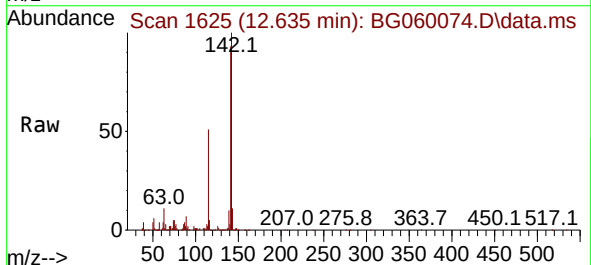
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

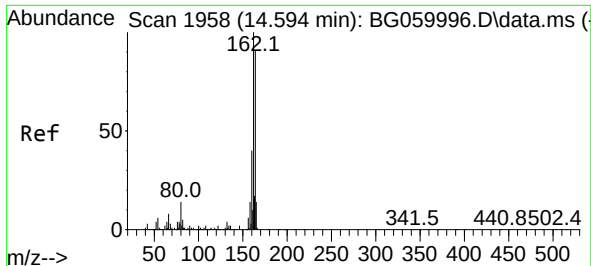
Tgt Ion:142 Resp: 477845  
Ion Ratio Lower Upper  
142 100  
141 88.8 69.9 104.9  
115 46.6 36.1 54.1



#38  
1-Methylnaphthalene  
Concen: 38.107 ng  
RT: 12.635 min Scan# 1625  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:142 Resp: 390715  
Ion Ratio Lower Upper  
142 100  
141 92.8 76.9 115.3  
116 5.0 3.5 5.3

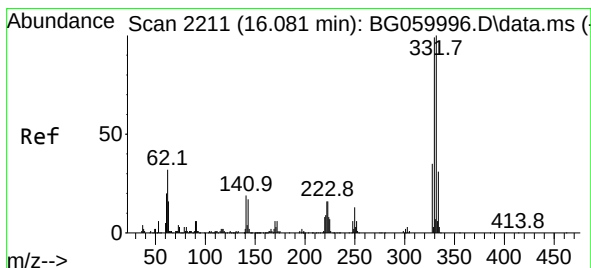
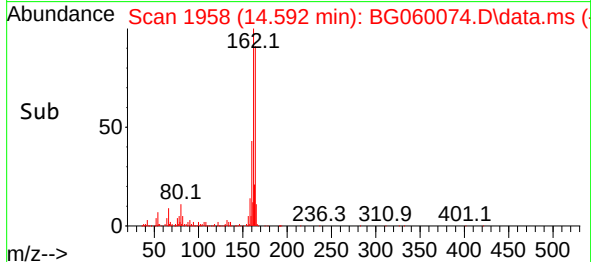
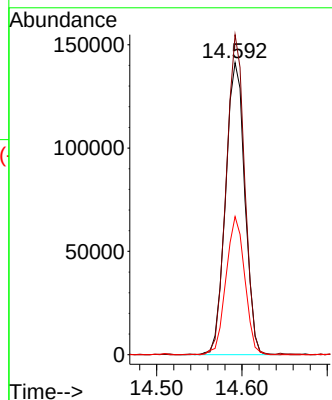
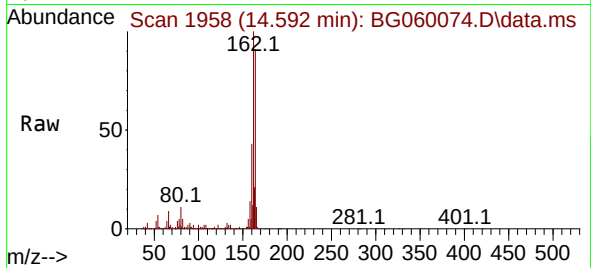




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.592 min Scan# 1958  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

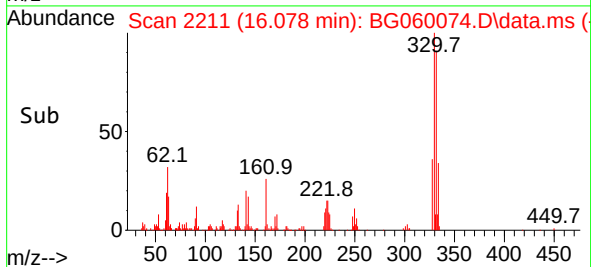
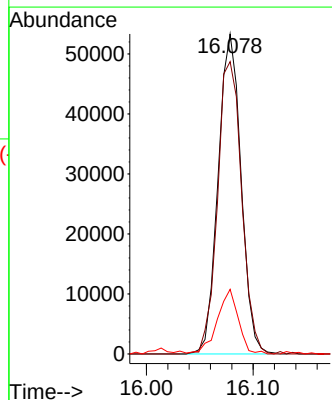
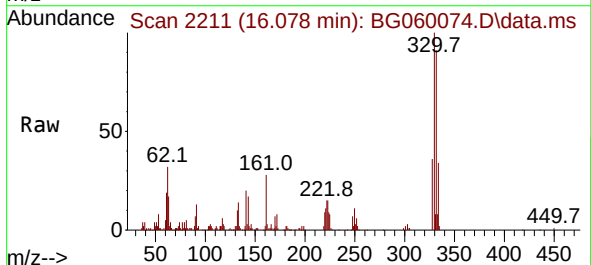
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

Tgt Ion:164 Resp: 222299  
Ion Ratio Lower Upper  
164 100  
162 109.6 88.1 132.1  
160 47.3 35.4 53.0

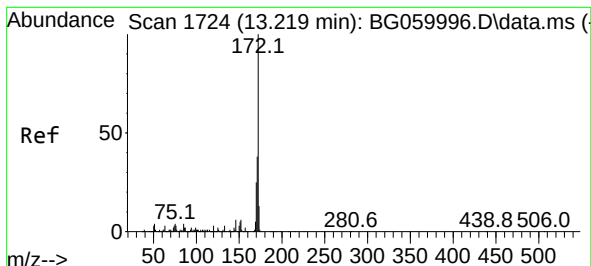


#42  
2,4,6-Tribromophenol  
Concen: 15.334 ng  
RT: 16.078 min Scan# 2211  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:330 Resp: 79438  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.2 114.4  
141 18.6 14.3 21.5







#45

2-Fluorobiphenyl

Concen: 9.815 ng

RT: 13.217 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

Instrument :

BNA\_G

ClientSampleId :

MW-04IDL

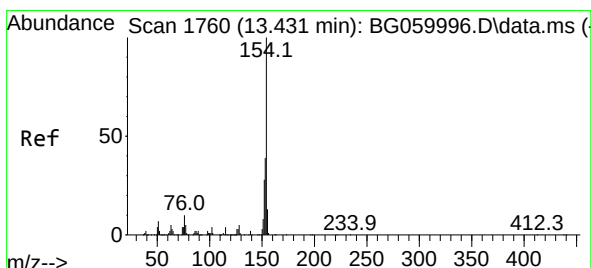
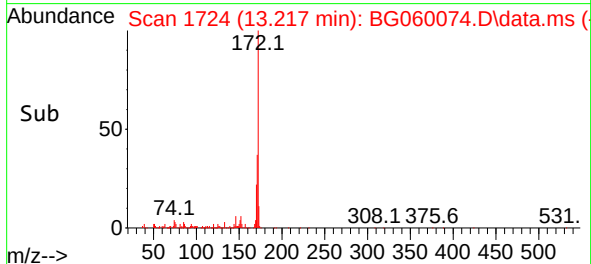
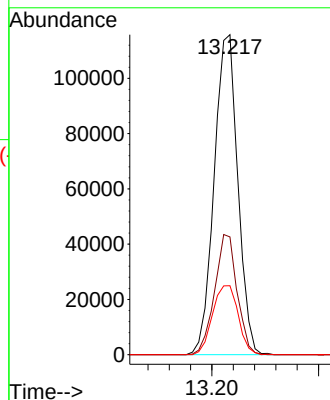
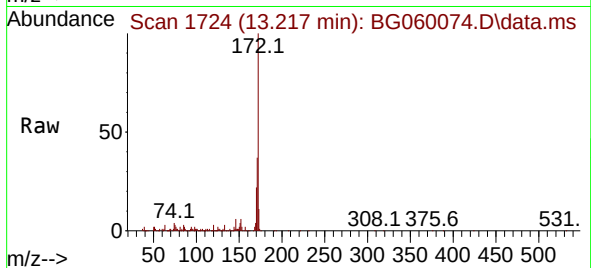
Tgt Ion:172 Resp: 178263

Ion Ratio Lower Upper

172 100

171 36.8 30.1 45.1

170 21.5 20.0 30.0



#46

1,1'-Biphenyl

Concen: 3.334 ng

RT: 13.429 min Scan# 1760

Delta R.T. -0.000 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

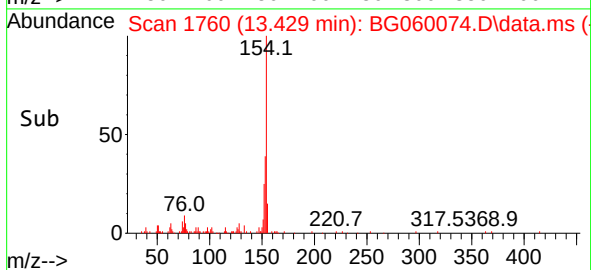
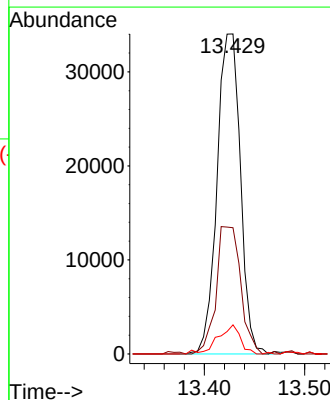
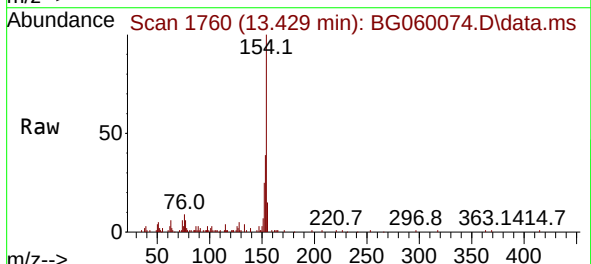
Tgt Ion:154 Resp: 54970

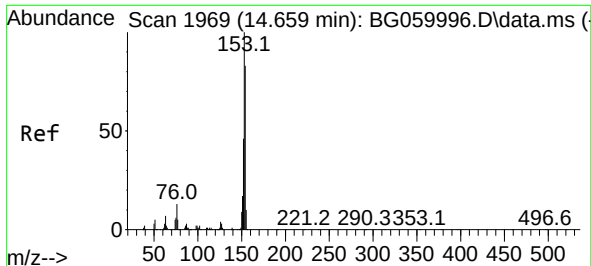
Ion Ratio Lower Upper

154 100

153 39.4 19.2 59.2

76 9.1 0.0 29.9

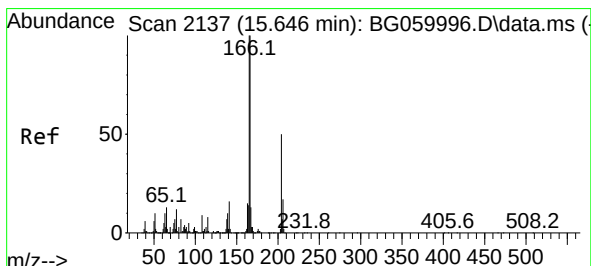
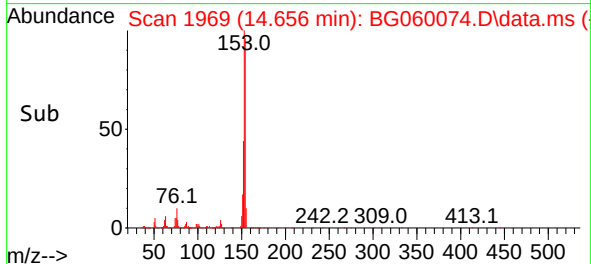
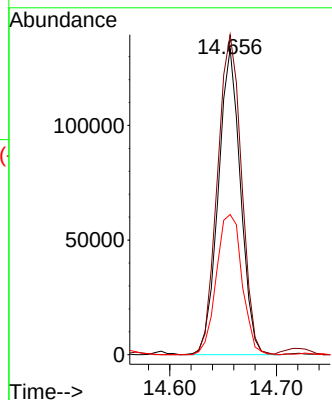
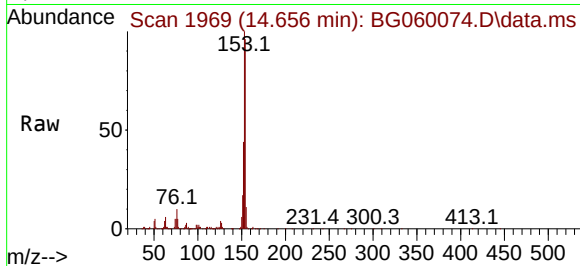




#52  
Acenaphthene  
Concen: 14.362 ng  
RT: 14.656 min Scan# 1969  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

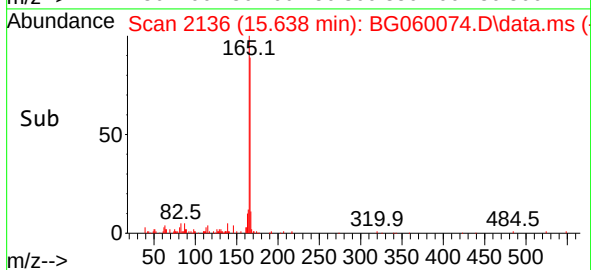
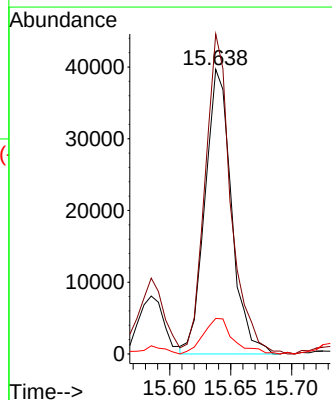
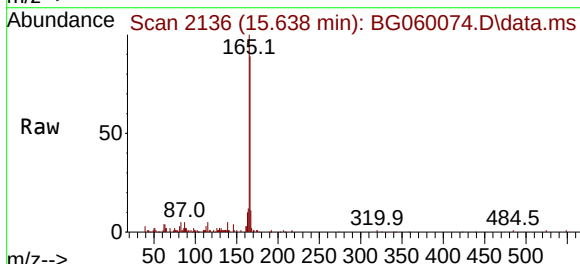
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

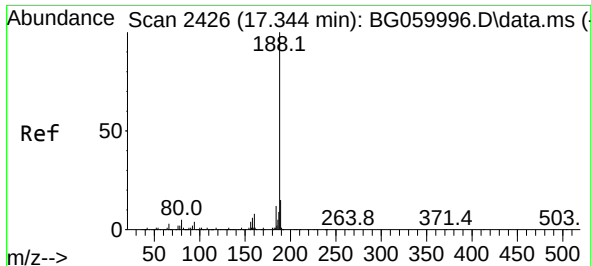
Tgt Ion:154 Resp: 193081  
Ion Ratio Lower Upper  
154 100  
153 104.6 96.0 144.0  
152 45.8 44.3 66.5



#58  
Fluorene  
Concen: 3.247 ng  
RT: 15.638 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:166 Resp: 59914  
Ion Ratio Lower Upper  
166 100  
165 112.4 80.2 120.2  
167 12.5 10.3 15.5

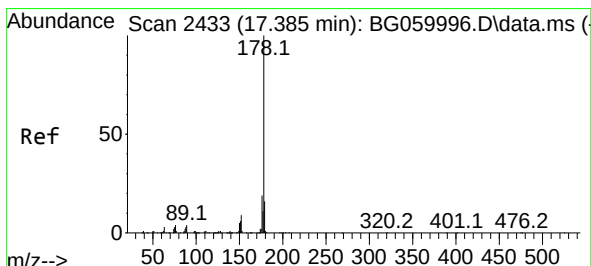
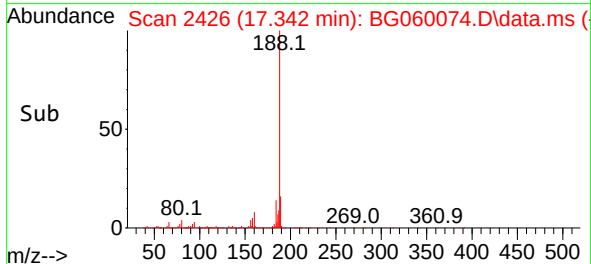
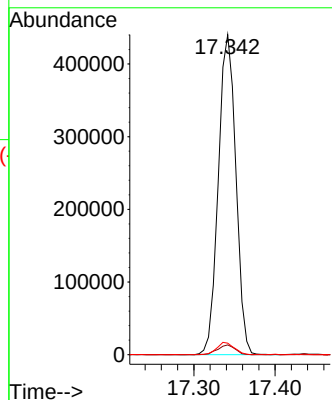
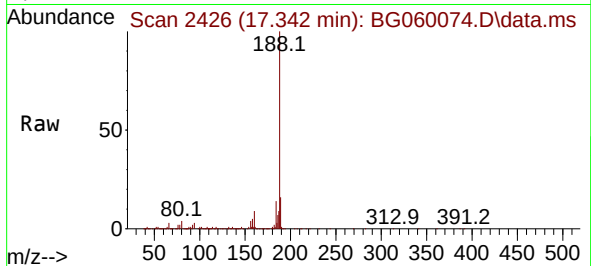




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.342 min Scan# 2426  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

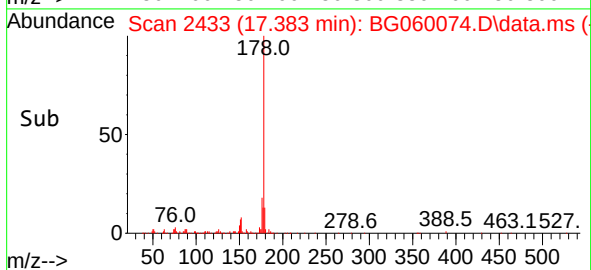
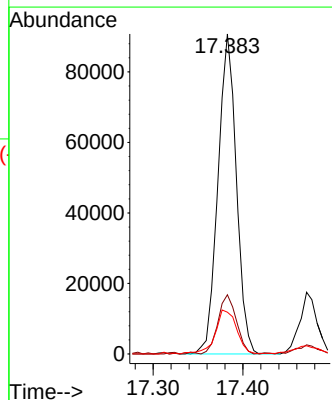
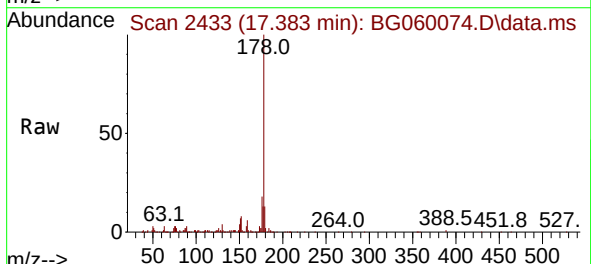
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

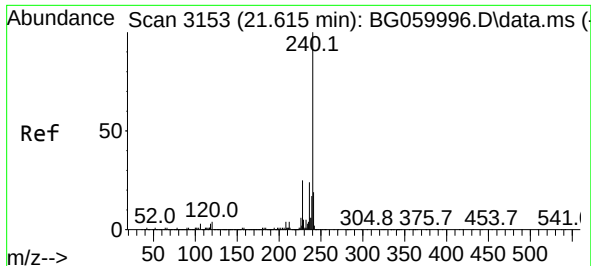
Tgt Ion:188 Resp: 661589  
Ion Ratio Lower Upper  
188 100  
94 3.1 3.0 4.6  
80 3.6 4.0 6.0#



#71  
Phenanthrene  
Concen: 4.037 ng  
RT: 17.383 min Scan# 2433  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:178 Resp: 129367  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.6 23.4  
179 13.0 12.6 19.0

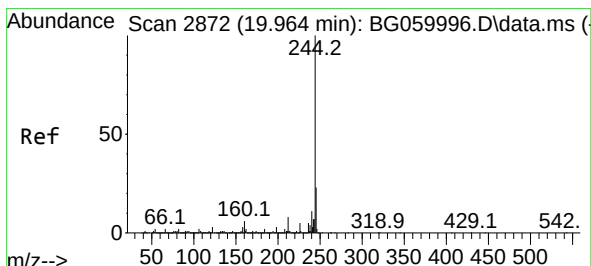
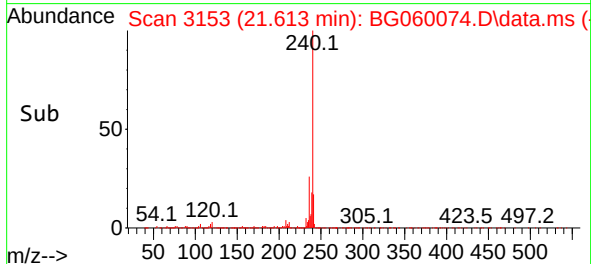
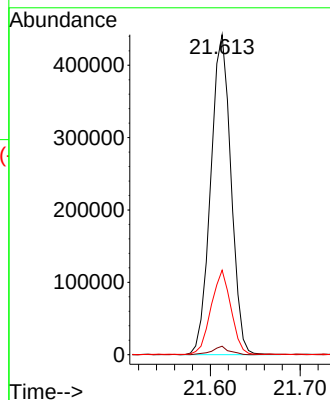
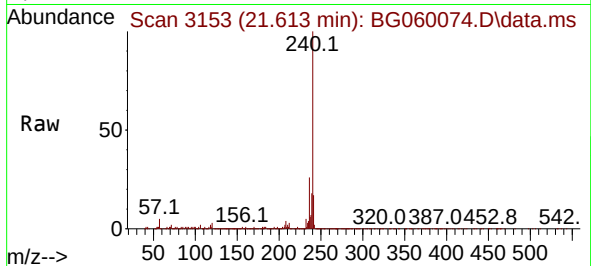




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.613 min Scan# 3153  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

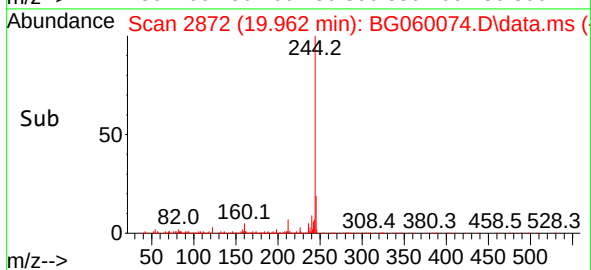
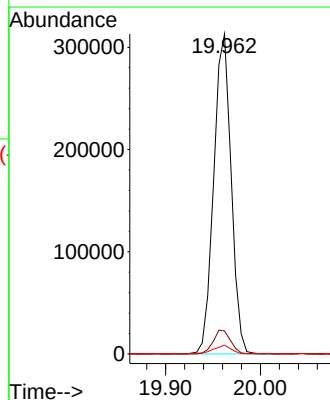
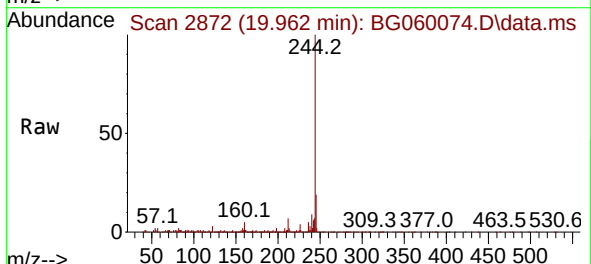
Instrument :  
BNA\_G  
ClientSampleId :  
MW-04IDL

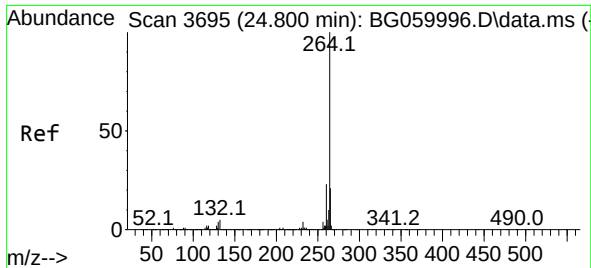
Tgt Ion:240 Resp: 693555  
Ion Ratio Lower Upper  
240 100  
120 2.6 2.9 4.3#  
236 26.4 19.4 29.2



#79  
Terphenyl-d14  
Concen: 10.506 ng  
RT: 19.962 min Scan# 2872  
Delta R.T. -0.006 min  
Lab File: BG060074.D  
Acq: 18 Dec 2023 20:15

Tgt Ion:244 Resp: 399086  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.8 10.2  
122 2.8 2.6 3.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.803 min Scan# 30  
 Delta R.T. -0.012 min  
 Lab File: BG060074.D  
 Acq: 18 Dec 2023 20:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-04IDL

Tgt Ion:264 Resp: 767305  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.5 27.7  
 265 22.0 17.3 25.9

