

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031921\  
 Data File : BG048434.D  
 Acq On : 19 Mar 2021 21:48  
 Operator : CG/JU  
 Sample : M1721-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-031821

Quant Time: Mar 19 22:53:04 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 18 16:38:55 2021  
 Response via : Initial Calibration

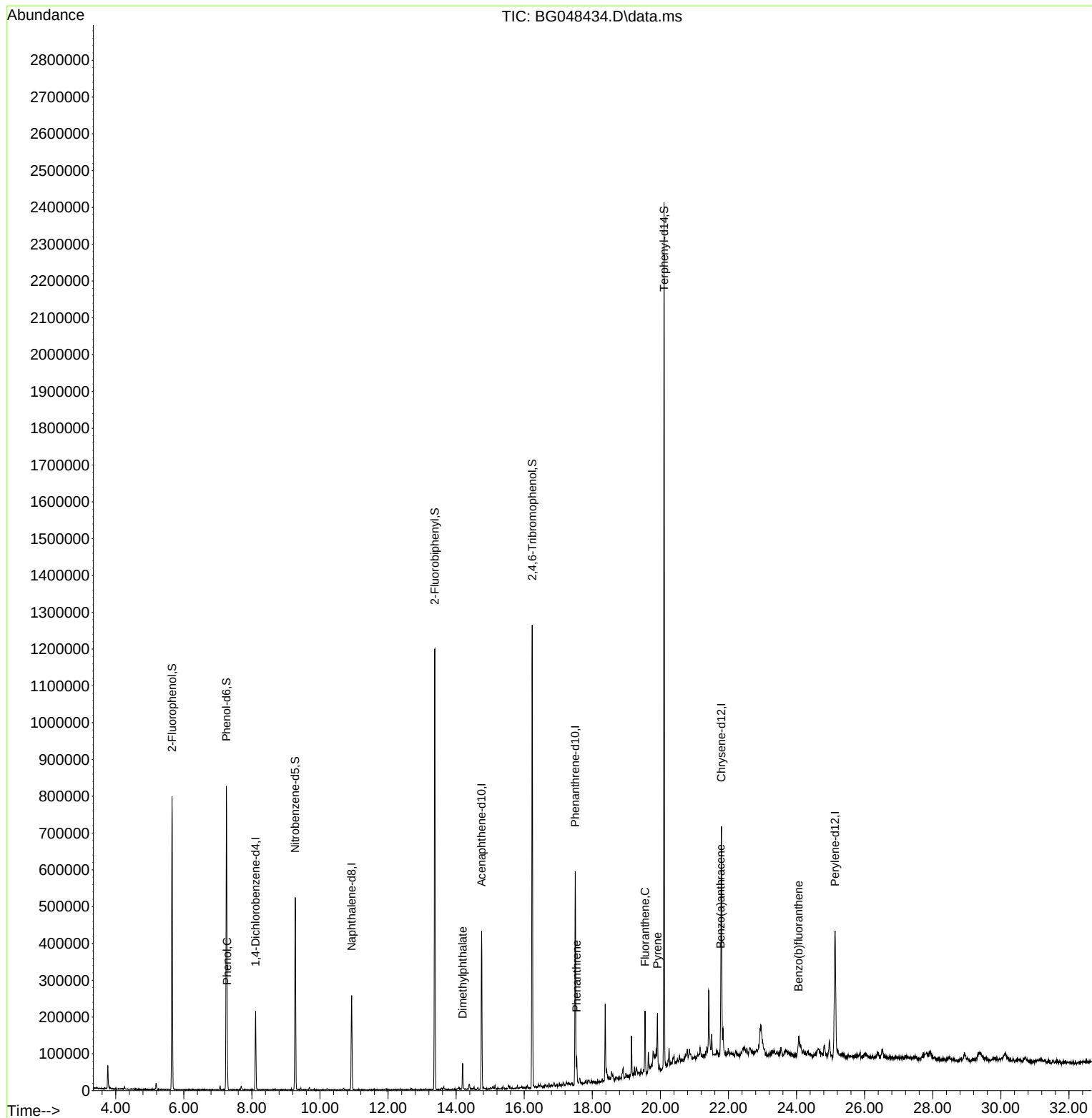
| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.109  | 152  | 52040    | 20.00 | ng    | # 0.00   |
| 21) Naphthalene-d8          | 10.930 | 136  | 204959   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.749 | 164  | 154245   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.498 | 188  | 362608   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.793 | 240  | 387392   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12            | 25.131 | 264  | 383353   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.654  | 112  | 302486   | 96.12 | ng    | 0.00     |
| 7) Phenol-d6                | 7.252  | 99   | 410713   | 89.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.273  | 82   | 316356   | 61.72 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.235 | 330  | 237136   | 94.53 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.374 | 172  | 614915   | 57.35 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.107 | 244  | 1064930  | 49.58 | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       |          |
|                             |        |      |          |       |       | Qvalue   |
| 10) Phenol                  | 7.275  | 94   | 26850    | 5.72  | ng    | # 57     |
| 50) Dimethylphthalate       | 14.191 | 163  | 42506    | 3.39  | ng    | 99       |
| 71) Phenanthrene            | 17.540 | 178  | 46644    | 2.44  | ng    | 100      |
| 75) Fluoranthene            | 19.549 | 202  | 107854   | 4.23  | ng    | 93       |
| 78) Pyrene                  | 19.913 | 202  | 94126    | 3.54  | ng    | 97       |
| 81) Benzo(a)anthracene      | 21.770 | 228  | 54503    | 2.03  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 24.061 | 252  | 66143    | 2.45  | ng    | # 92     |
| -----                       |        |      |          |       |       |          |

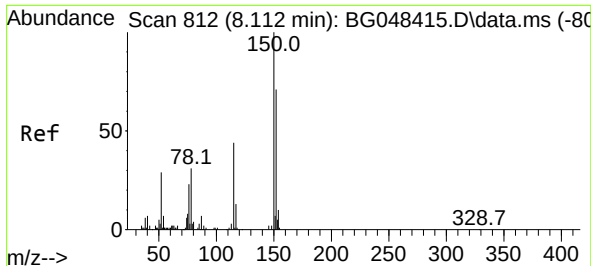
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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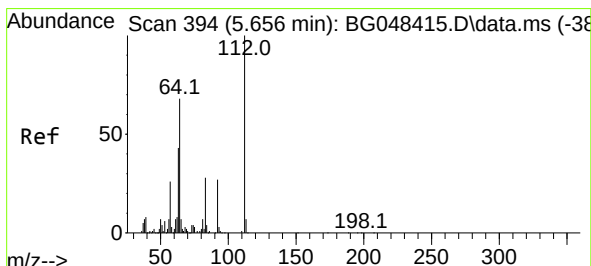
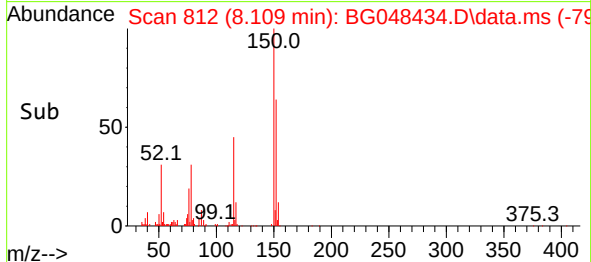
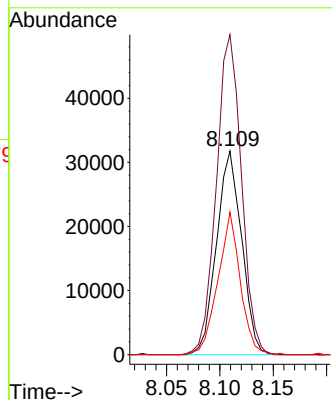
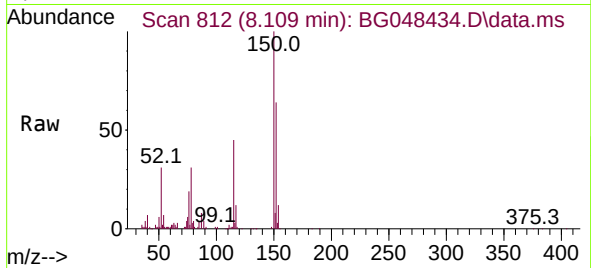




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.109 min Scan# 812  
Delta R.T. -0.003 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

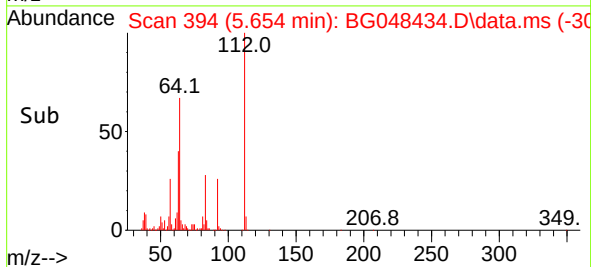
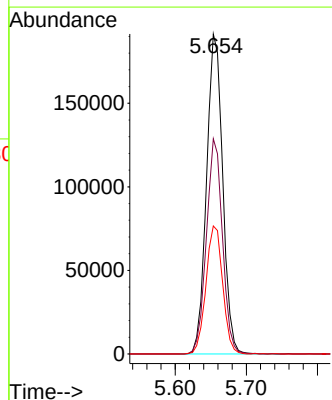
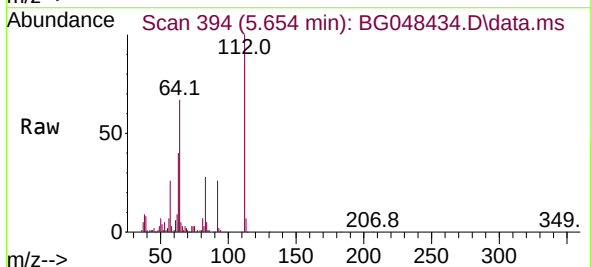
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BNA\_G  
ClientSampleId :  
TR-05-031821

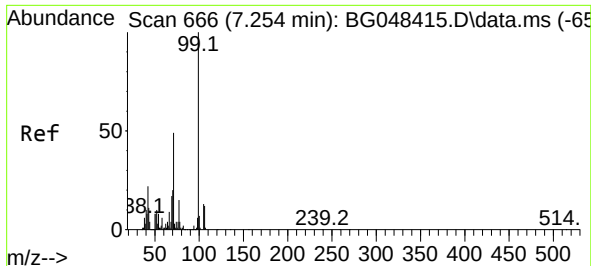
Tgt Ion:152 Resp: 52040  
Ion Ratio Lower Upper  
152 100  
150 157.2 125.0 187.6  
115 70.0 41.8 62.6#



#5  
2-Fluorophenol  
Concen: 96.12 ng  
RT: 5.654 min Scan# 394  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

Tgt Ion:112 Resp: 302486  
Ion Ratio Lower Upper  
112 100  
64 67.3 46.7 70.1  
63 40.0 22.8 34.2#

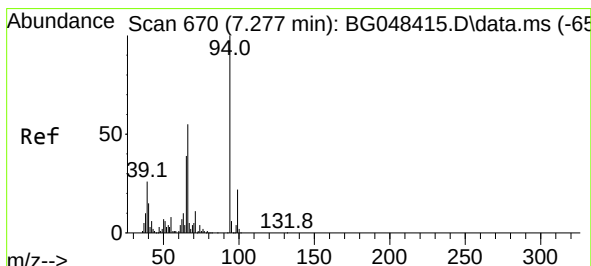
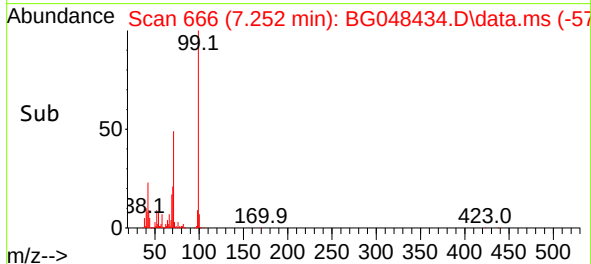
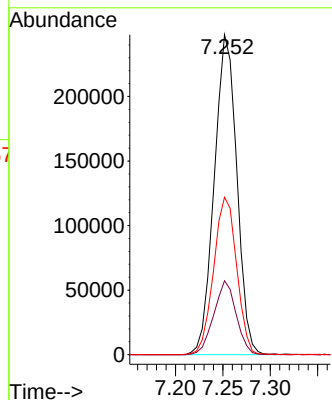
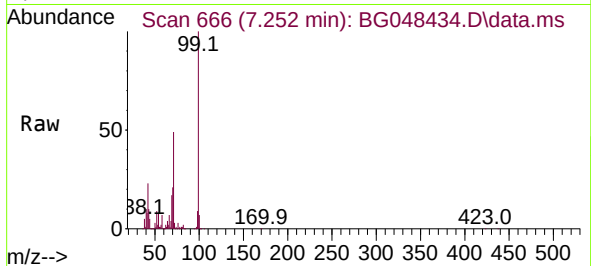




#7  
Phenol-d6  
Concen: 89.69 ng  
RT: 7.252 min Scan# 666  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

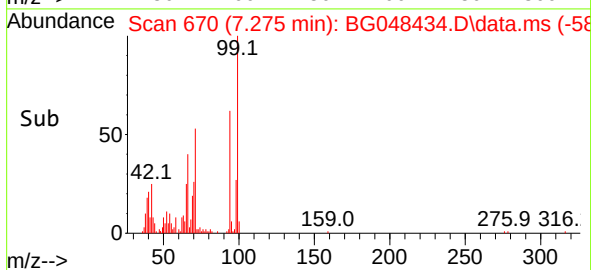
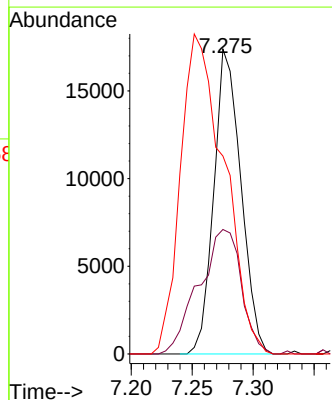
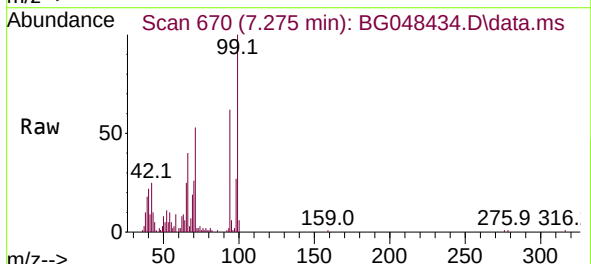
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-031821

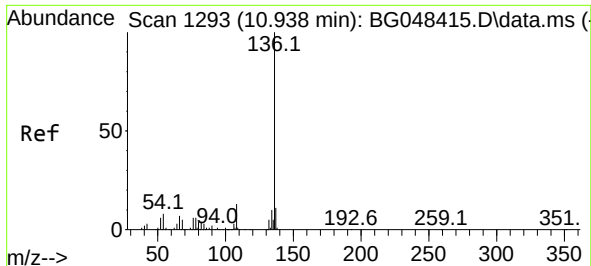
Tgt Ion: 99 Resp: 410713  
Ion Ratio Lower Upper  
99 100  
42 23.1 12.8 19.2#  
71 49.2 24.6 36.8#



#10  
Phenol  
Concen: 5.72 ng  
RT: 7.275 min Scan# 670  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

Tgt Ion: 94 Resp: 26850  
Ion Ratio Lower Upper  
94 100  
65 40.8 6.6 46.6  
66 64.9 13.9 53.9#

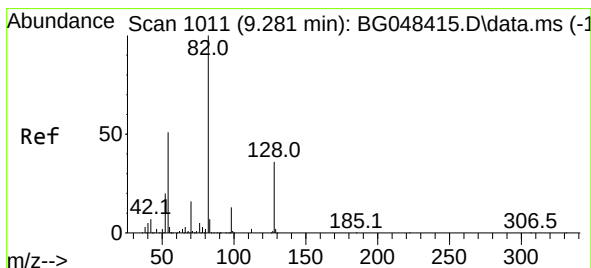
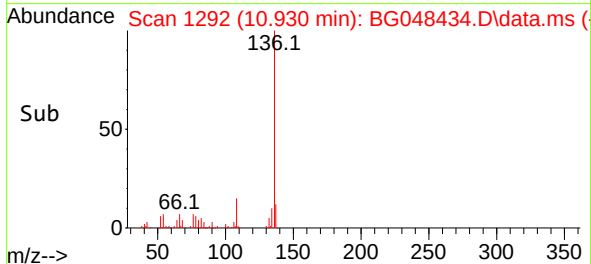
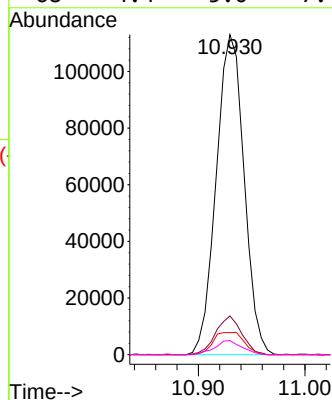
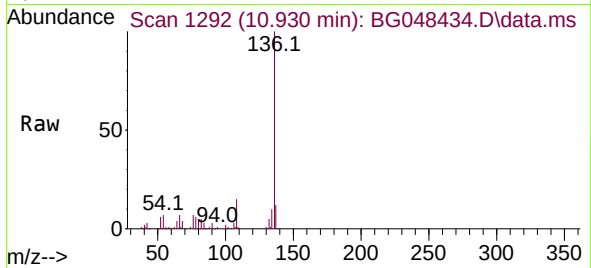




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.930 min Scan# 1292  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

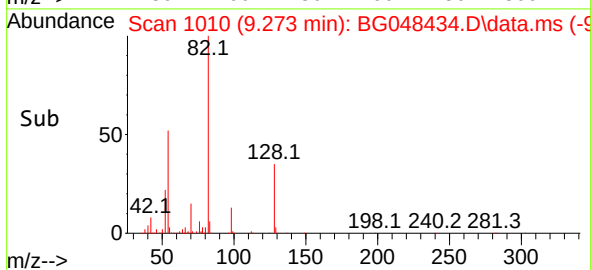
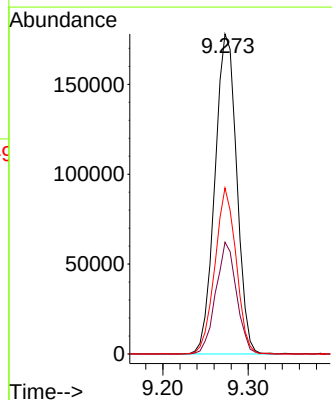
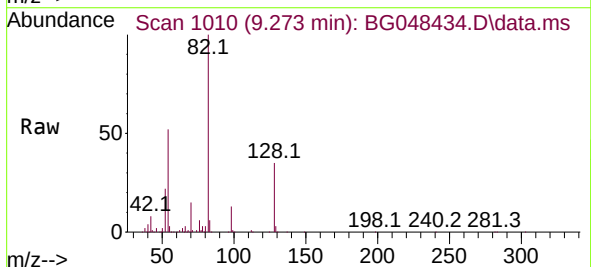
Instrument :  
BNA\_G  
ClientSampleId :  
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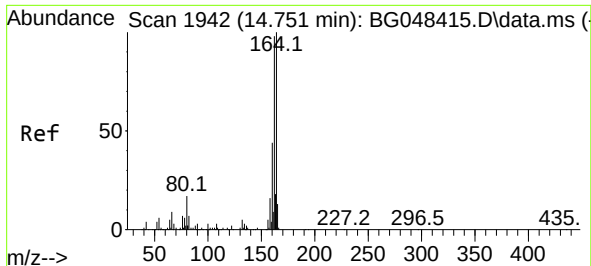
|             |               |
|-------------|---------------|
| Tgt Ion:136 | Resp: 204959  |
| Ion Ratio   | Lower Upper   |
| 136         | 100           |
| 137         | 12.1 9.1 13.7 |
| 54          | 6.9 6.2 9.4   |
| 68          | 4.4 5.0 7.4#  |



#23  
Nitrobenzene-d5  
Concen: 61.72 ng  
RT: 9.273 min Scan# 1010  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

|             |                 |
|-------------|-----------------|
| Tgt Ion: 82 | Resp: 316356    |
| Ion Ratio   | Lower Upper     |
| 82          | 100             |
| 128         | 34.9 37.0 55.6# |
| 54          | 51.9 39.0 58.4  |

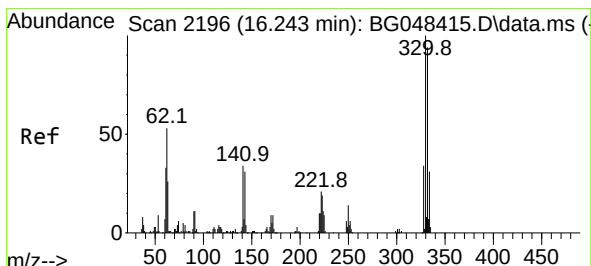
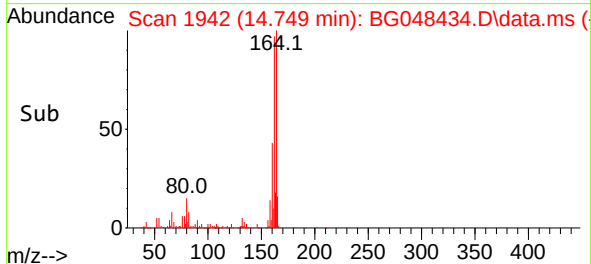
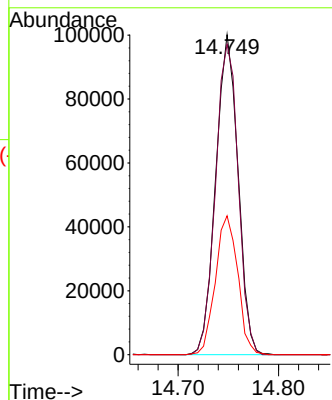
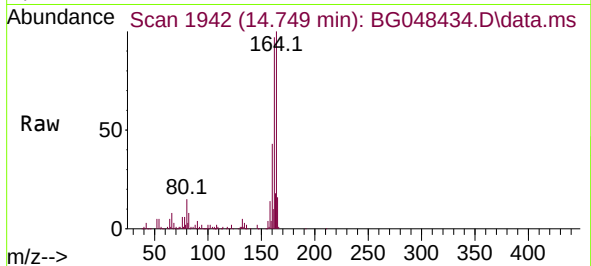




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.749 min Scan# 1942  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

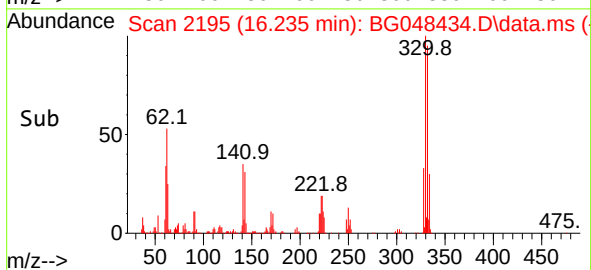
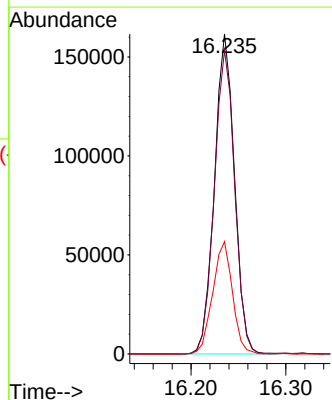
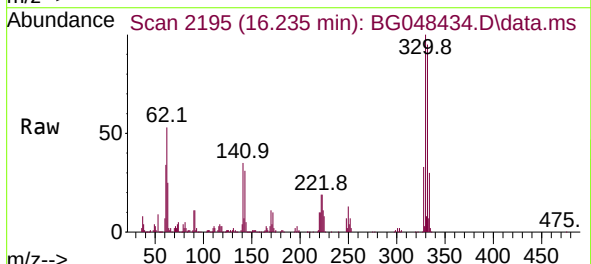
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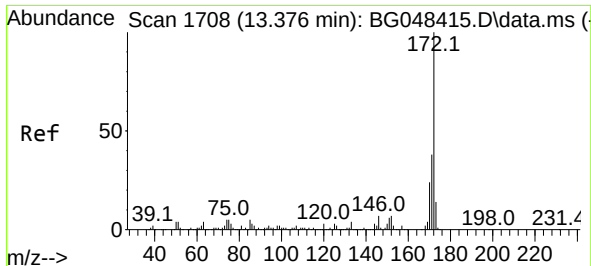
Tgt Ion:164 Resp: 154245  
Ion Ratio Lower Upper  
164 100  
162 97.0 82.3 123.5  
160 43.4 35.3 52.9



#42  
2,4,6-Tribromophenol  
Concen: 94.53 ng  
RT: 16.235 min Scan# 2195  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

Tgt Ion:330 Resp: 237136  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.5 114.7  
141 34.7 26.0 39.0

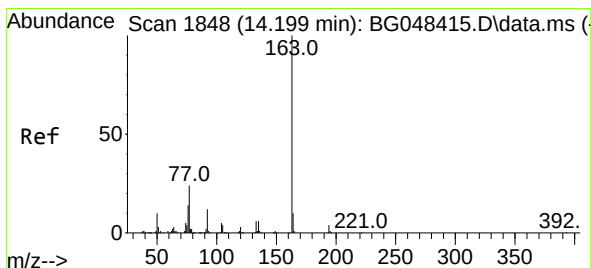
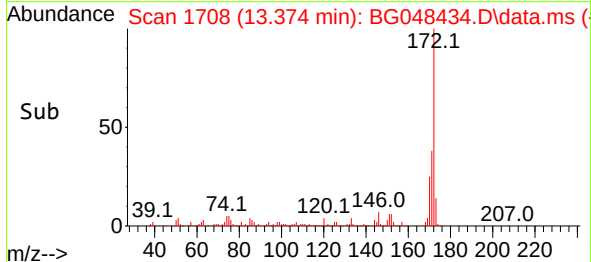
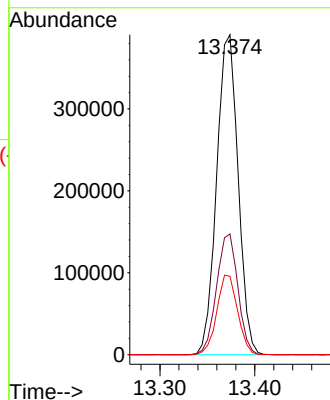
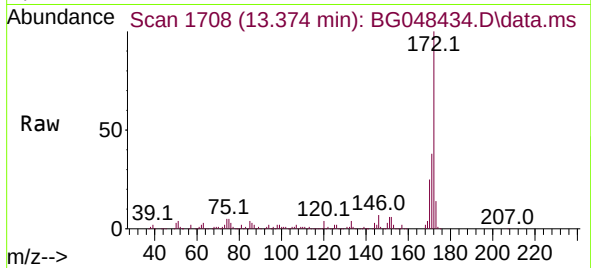




#45  
2-Fluorobiphenyl  
Concen: 57.35 ng  
RT: 13.374 min Scan# 1708  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

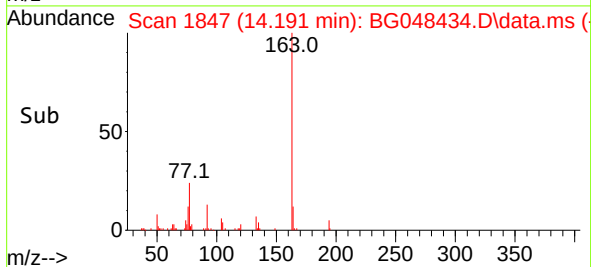
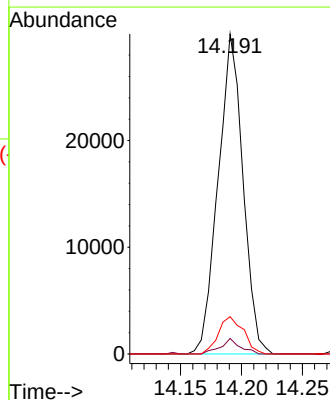
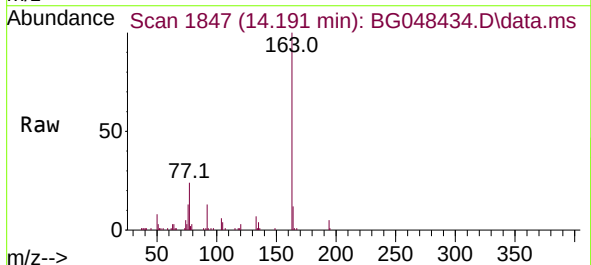
Instrument :  
BNA\_G  
ClientSampleId :  
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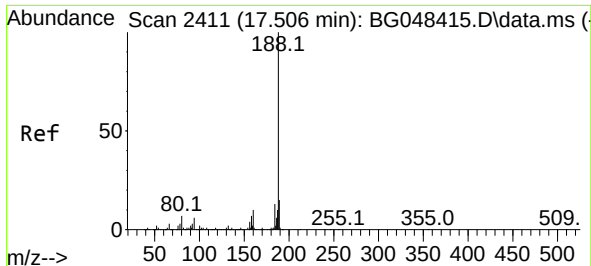
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|-------------|----------------|
| Tgt Ion:172 | Resp: 614915   |
| Ion Ratio   | Lower Upper    |
| 172         | 100            |
| 171         | 37.7 31.3 46.9 |
| 170         | 24.5 20.8 31.2 |



#50  
Dimethylphthalate  
Concen: 3.39 ng  
RT: 14.191 min Scan# 1847  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

|             |               |
|-------------|---------------|
| Tgt Ion:163 | Resp: 42506   |
| Ion Ratio   | Lower Upper   |
| 163         | 100           |
| 194         | 4.8 3.8 5.8   |
| 164         | 11.6 8.8 13.2 |

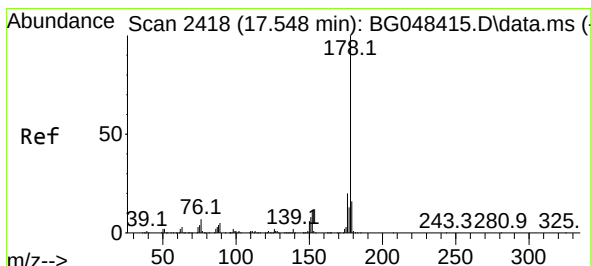
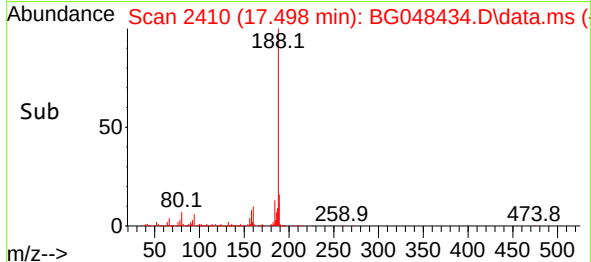
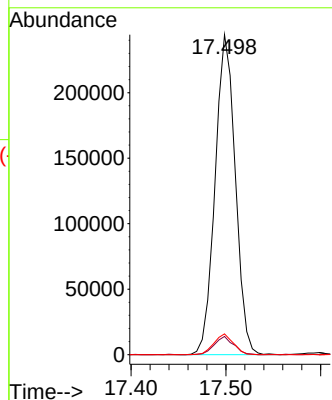
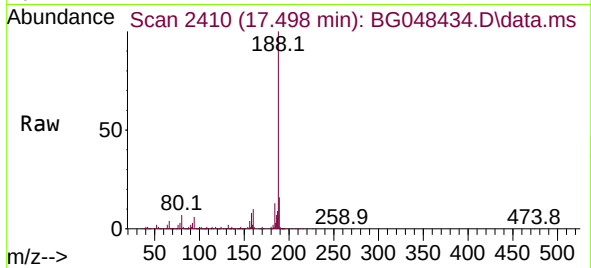




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.498 min Scan# 2410  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

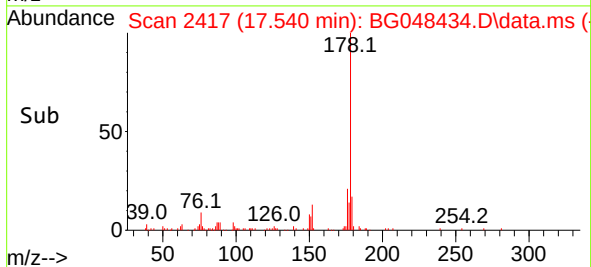
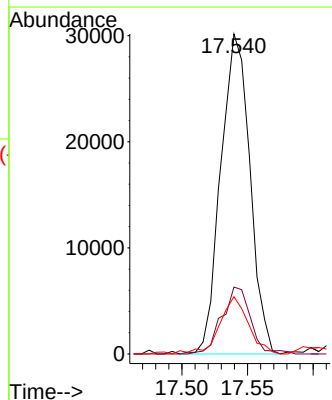
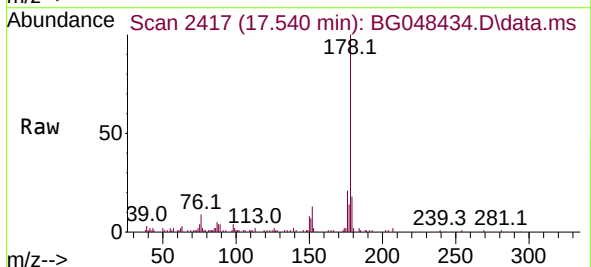
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:188 Resp: 362608  
Ion Ratio Lower Upper  
188 100  
94 5.7 6.3 9.5#  
80 6.5 7.0 10.6#

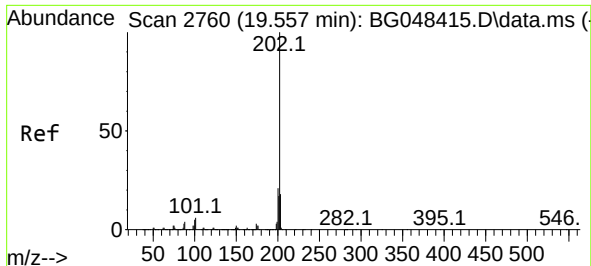


#71  
Phenanthrene  
Concen: 2.44 ng  
RT: 17.540 min Scan# 2417  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

Tgt Ion:178 Resp: 46644  
Ion Ratio Lower Upper  
178 100  
176 20.9 16.7 25.1  
179 17.9 14.0 21.0



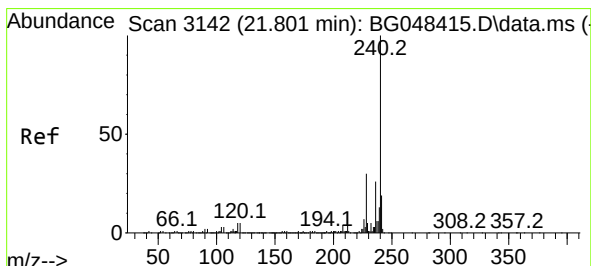
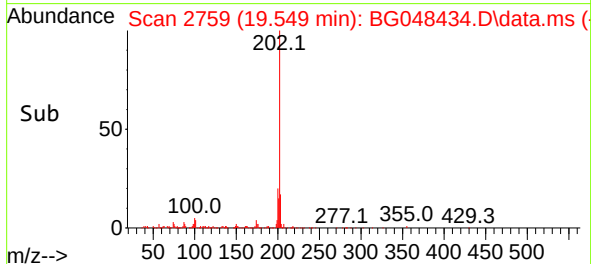
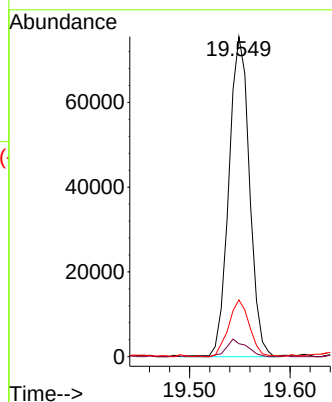
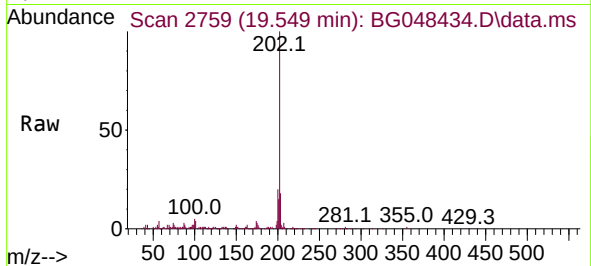




#75  
Fluoranthene  
Concen: 4.23 ng  
RT: 19.549 min Scan# 2759  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

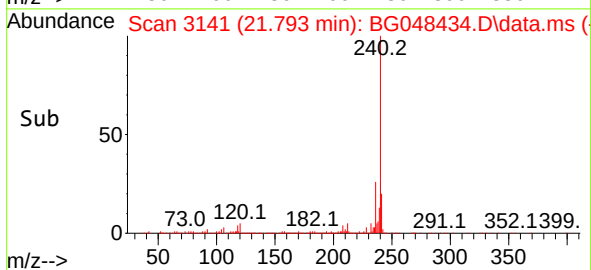
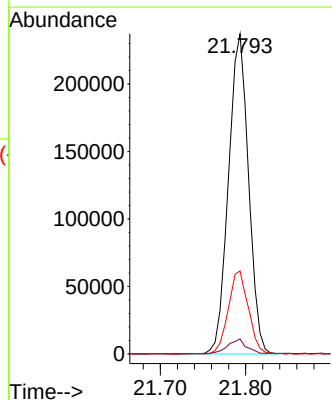
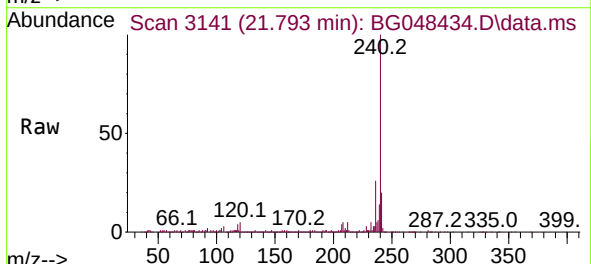
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-031821

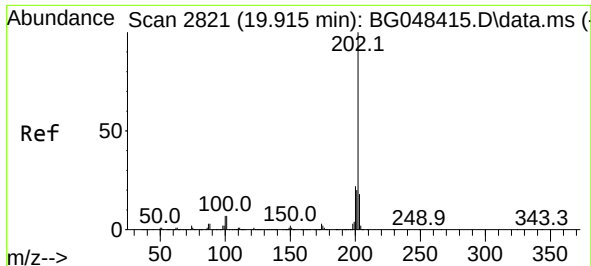
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 107854   |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 4.1   | 0.0 29.7 |
| 203         | 17.8  | 0.0 39.2 |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.793 min Scan# 3141  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 387392    |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 4.7   | 6.2 9.4#  |
| 236         | 25.9  | 20.5 30.7 |

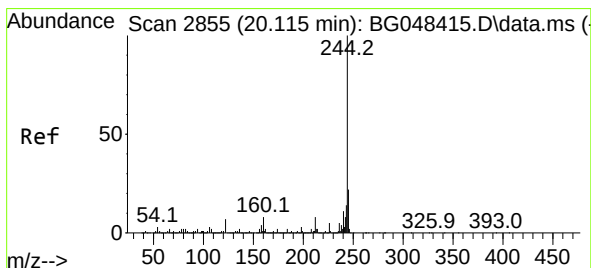
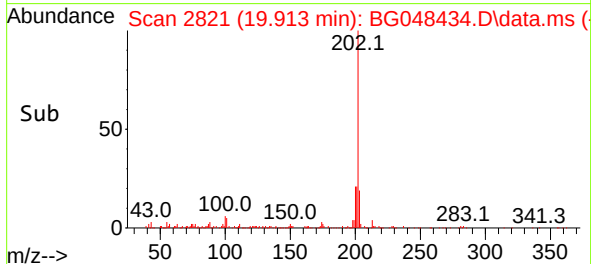
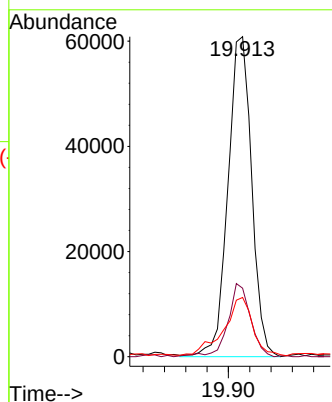
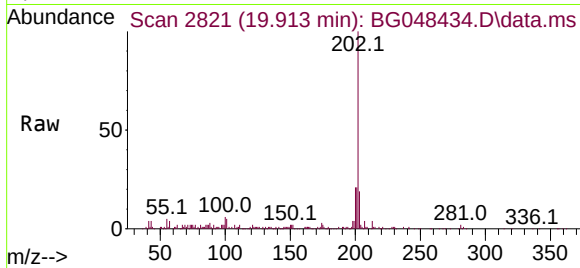




#78  
Pyrene  
Concen: 3.54 ng  
RT: 19.913 min Scan# 2821  
Delta R.T. -0.002 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

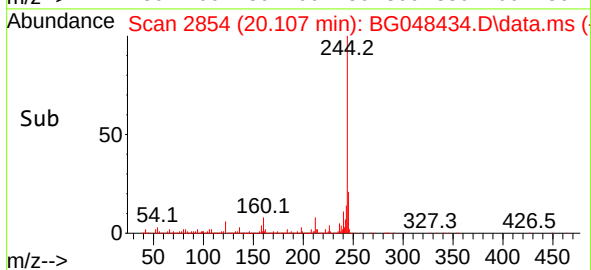
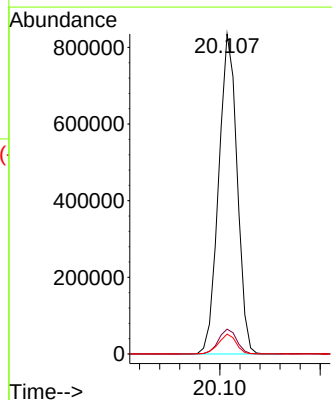
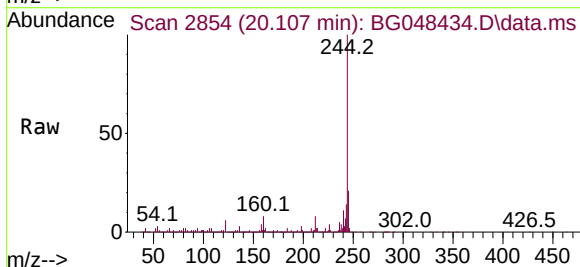
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-031821

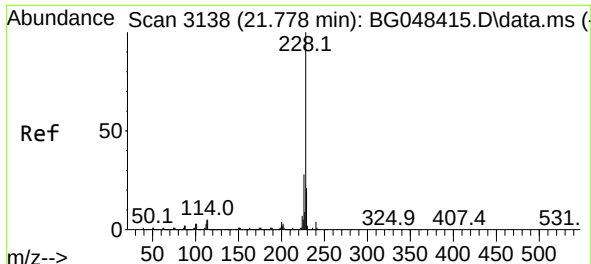
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 94126     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.4  | 18.6 27.8 |
| 203         | 18.5  | 15.3 22.9 |



#79  
Terphenyl-d14  
Concen: 49.58 ng  
RT: 20.107 min Scan# 2854  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 1064930   |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 7.8   | 6.7 10.1  |
| 122         | 6.2   | 7.8 11.6# |

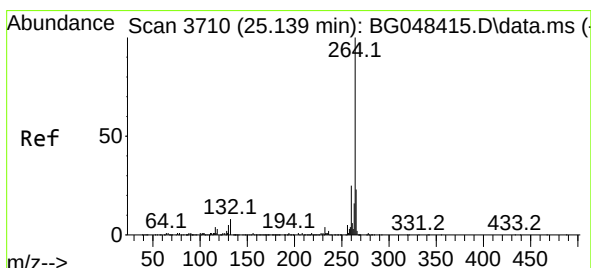
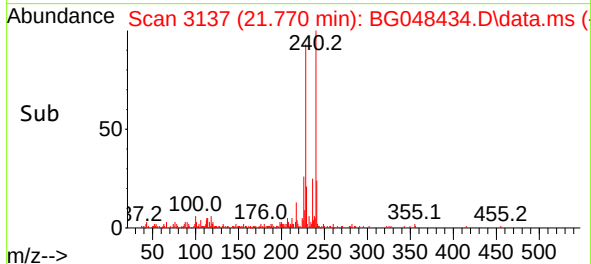
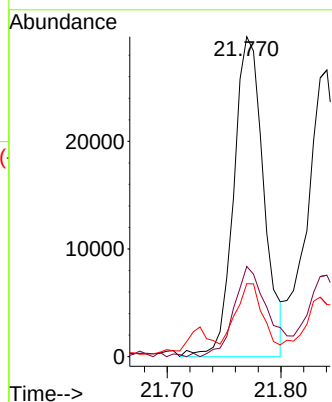
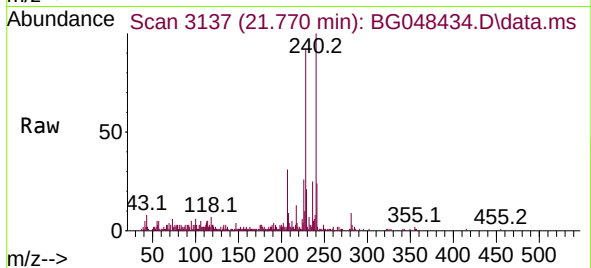




#81  
Benzo(a)anthracene  
Concen: 2.03 ng  
RT: 21.770 min Scan# 3137  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

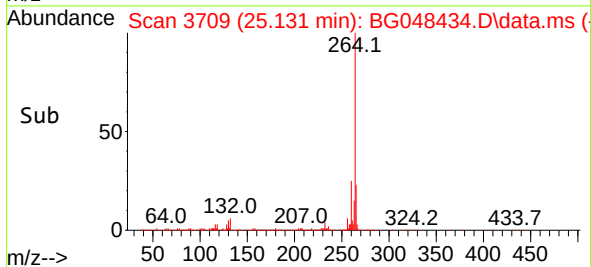
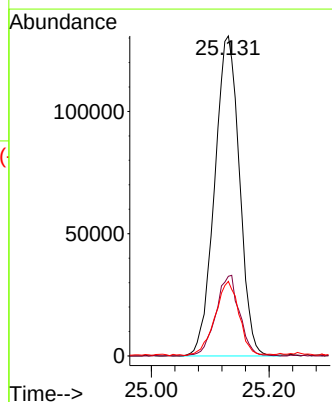
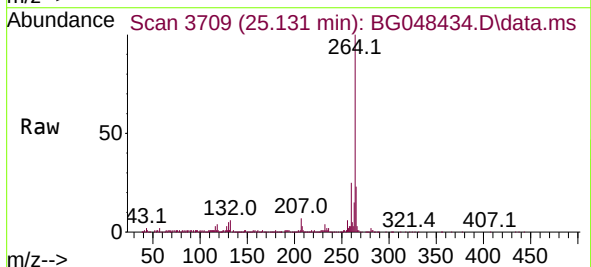
Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-031821

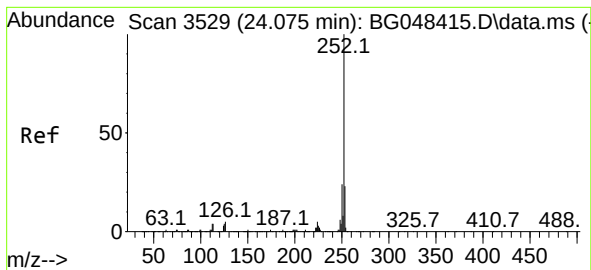
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 54503 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.2  | 23.3  | 34.9  |
| 229       | 22.8  | 17.4  | 26.0  |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.131 min Scan# 3709  
Delta R.T. -0.008 min  
Lab File: BG048434.D  
Acq: 19 Mar 2021 21:48

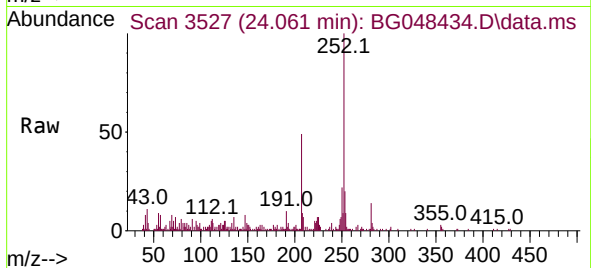
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 383353 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.9  | 18.8  | 28.2   |
| 265       | 23.3  | 17.8  | 26.8   |





#88  
 Benzo(b)fluoranthene  
 Concen: 2.45 ng  
 RT: 24.061 min Scan# 3527  
 Delta R.T. -0.014 min  
 Lab File: BG048434.D  
 Acq: 19 Mar 2021 21:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-031821



Tgt Ion:252 Resp: 66143  
 Ion Ratio Lower Upper  
 252 100  
 253 20.0 18.7 28.1  
 125 4.7 6.5 9.7#

