

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061421\  
 Data File : BG048954.D  
 Acq On : 14 Jun 2021 18:10  
 Operator : CG/JU  
 Sample : M2644-08RE  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 1824-25RE

Quant Time: Jun 15 01:13:16 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 11 16:03:10 2021  
 Response via : Initial Calibration

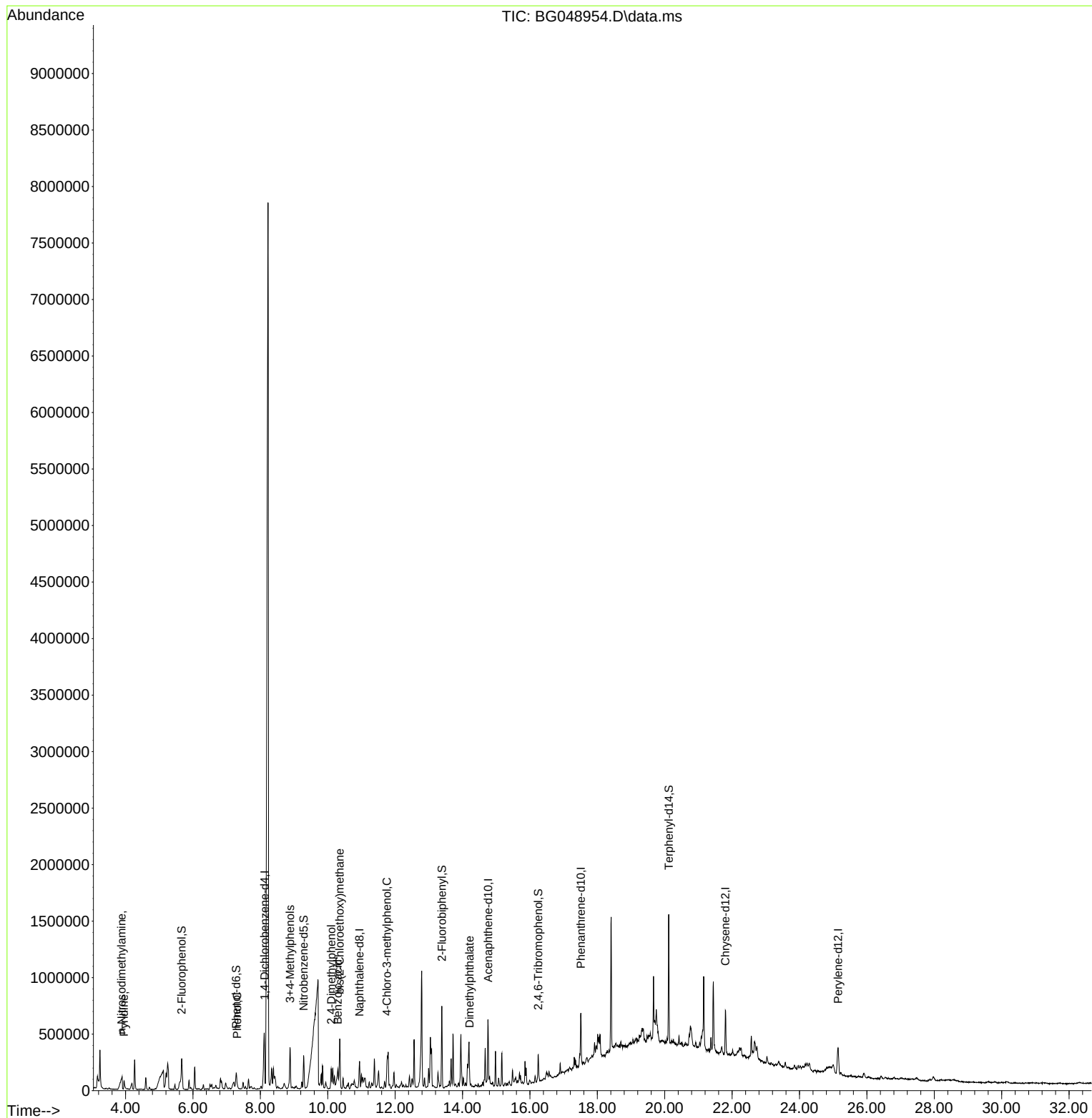
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.123  | 152  | 44685    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.944 | 136  | 185225   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.763 | 164  | 126037   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.512 | 188  | 262582   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.801 | 240  | 260620   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12              | 25.145 | 264  | 267238   | 20.00 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.667  | 112  | 66178    | 23.05 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.283  | 99   | 86835    | 20.18 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 9.287  | 82   | 167640   | 39.03 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.249 | 330  | 42943    | 23.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.388 | 172  | 352277   | 39.48 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.121 | 244  | 530125   | 37.25 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 3) Pyridine                   | 3.958  | 79   | 45775    | 12.04 | ng    | # 88     |
| 4) n-Nitrosodimethylamine     | 3.881  | 42   | 21378    | 11.74 | ng    | # 16     |
| 10) Phenol                    | 7.313  | 94   | 17866    | 4.02  | ng    | 81       |
| 20) 3+4-Methylphenols         | 8.881  | 107  | 152502   | 38.27 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 10.103 | 122  | 53797    | 18.08 | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 10.356 | 93   | 16945    | 3.91  | ng    | # 1      |
| 32) Benzoic acid              | 10.303 | 122  | 72851    | 37.48 | ng    | # 73     |
| 36) 4-Chloro-3-methylphenol   | 11.760 | 107  | 77643    | 19.03 | ng    | # 20     |
| 50) Dimethylphthalate         | 14.210 | 163  | 56750    | 5.78  | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

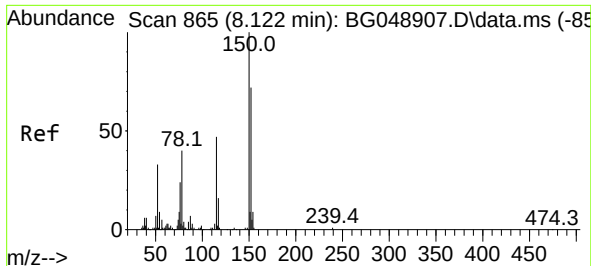
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 11 16:03:10 2021  
Response via : Initial Calibration

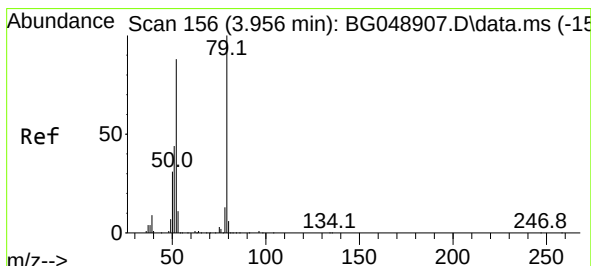
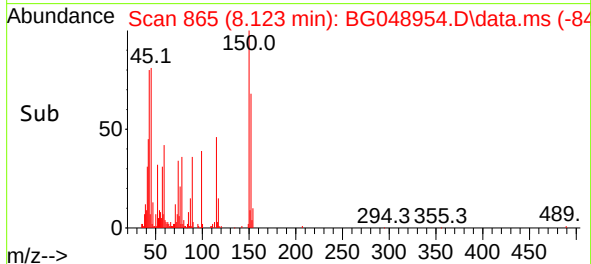
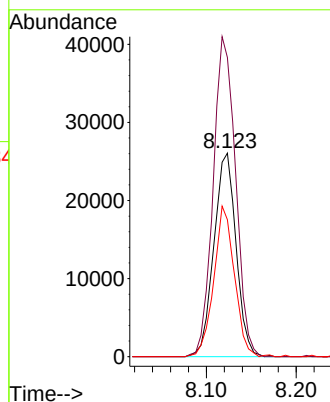
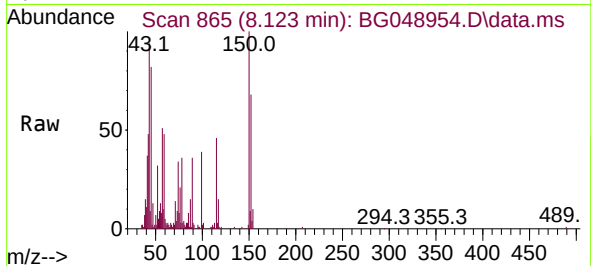




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.123 min Scan# 865  
Delta R.T. 0.001 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

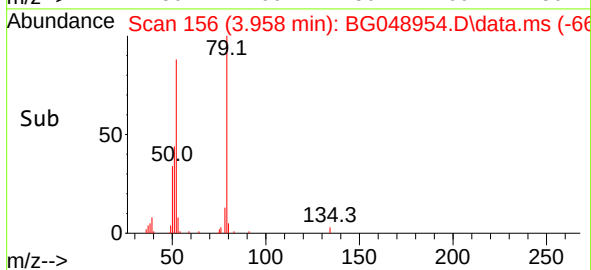
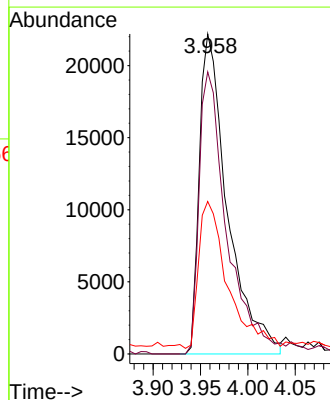
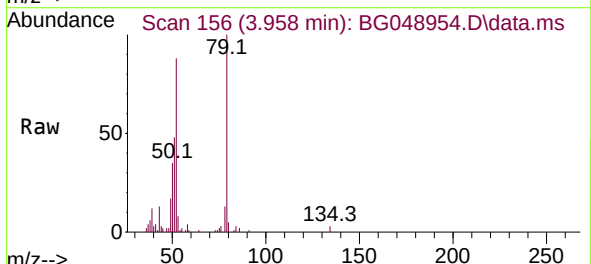
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BNA\_G  
ClientSampleId :  
1824-25RE

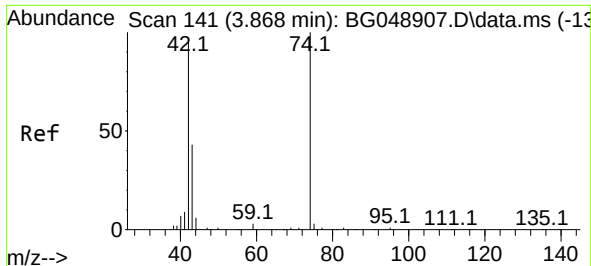
Tgt Ion:152 Resp: 44685  
Ion Ratio Lower Upper  
152 100  
150 147.0 119.4 179.0  
115 67.3 60.2 90.4



#3  
Pyridine  
Concen: 12.04 ng  
RT: 3.958 min Scan# 156  
Delta R.T. 0.001 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion: 79 Resp: 45775  
Ion Ratio Lower Upper  
79 100  
52 88.2 58.4 87.6#  
51 47.7 37.0 55.6

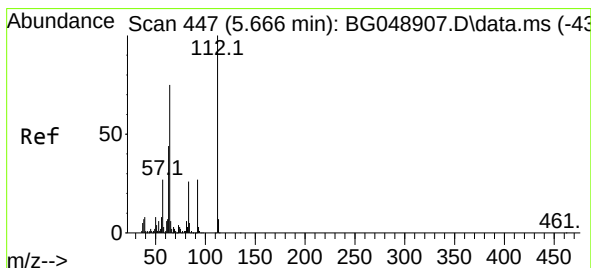
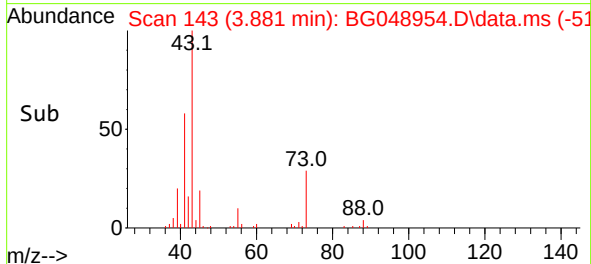
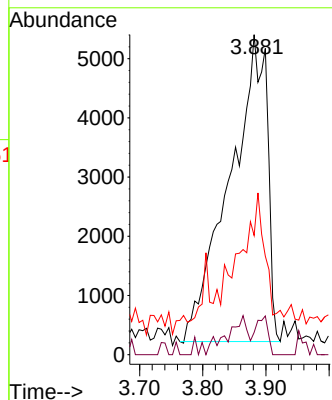
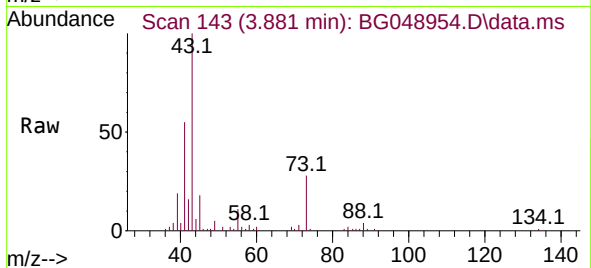




#4  
n-Nitrosodimethylamine  
Concen: 11.74 ng  
RT: 3.881 min Scan# 143  
Delta R.T. 0.013 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

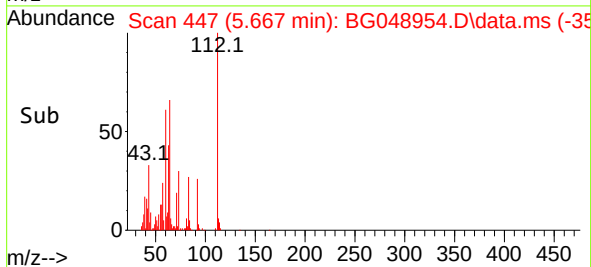
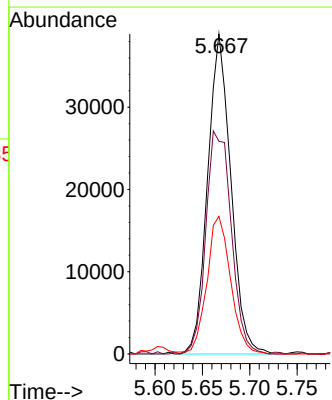
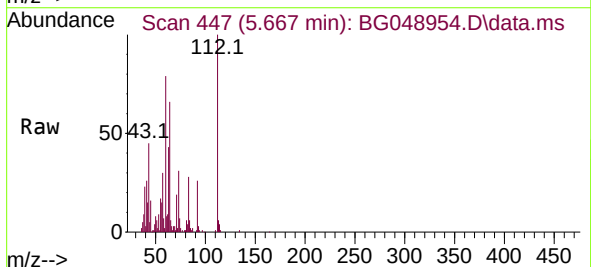
Instrument :  
BNA\_G  
ClientSampled :  
1824-25RE

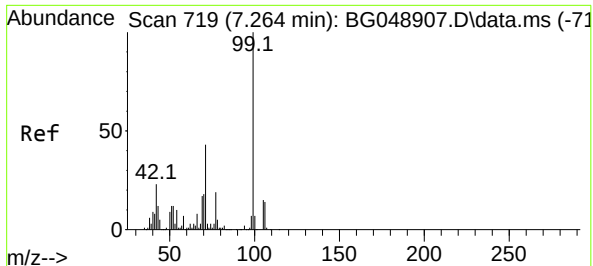
Tgt Ion: 42 Resp: 21378  
Ion Ratio Lower Upper  
42 100  
74 7.0 64.0 96.0#  
44 37.2 2.7 4.1#



#5  
2-Fluorophenol  
Concen: 23.05 ng  
RT: 5.667 min Scan# 447  
Delta R.T. 0.001 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion: 112 Resp: 66178  
Ion Ratio Lower Upper  
112 100  
64 66.4 46.7 70.1  
63 43.0 35.3 52.9

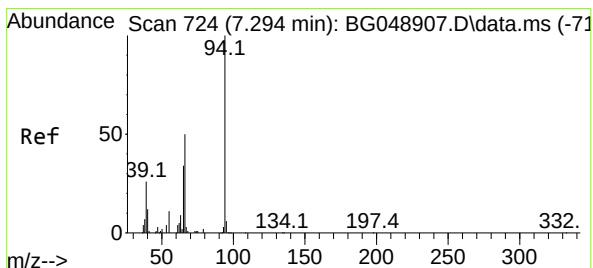
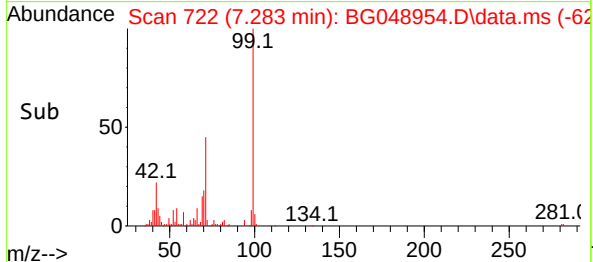
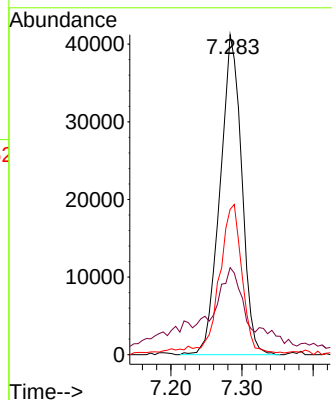
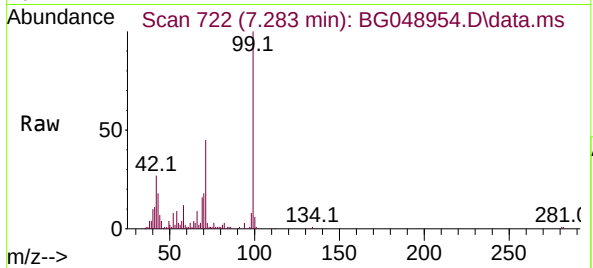




#7  
Phenol-d6  
Concen: 20.18 ng  
RT: 7.283 min Scan# 722  
Delta R.T. 0.019 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

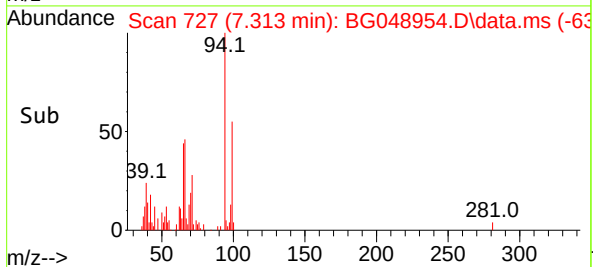
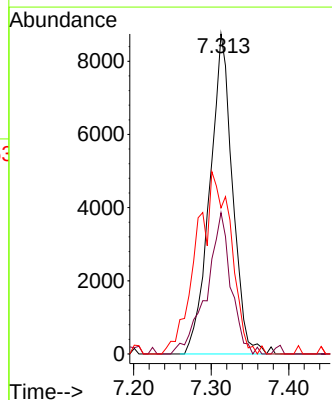
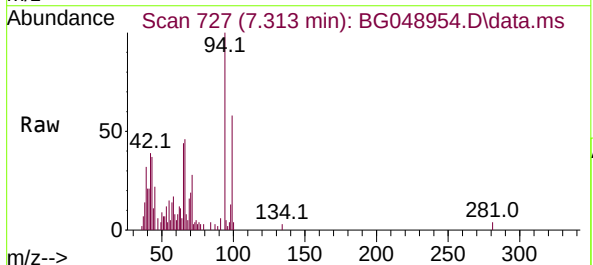
Instrument :  
BNA\_G  
ClientSampled :  
1824-25RE

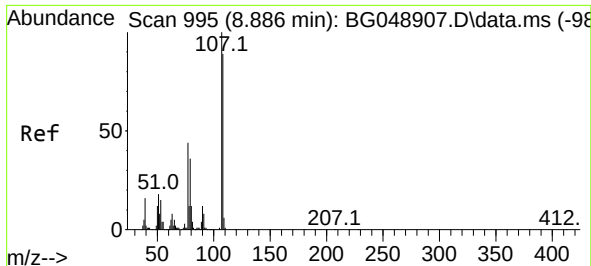
Tgt Ion: 99 Resp: 86835  
Ion Ratio Lower Upper  
99 100  
42 27.2 20.5 30.7  
71 45.4 41.5 62.3



#10  
Phenol  
Concen: 4.02 ng  
RT: 7.313 min Scan# 727  
Delta R.T. 0.019 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion: 94 Resp: 17866  
Ion Ratio Lower Upper  
94 100  
65 44.1 12.9 52.9  
66 45.7 39.4 79.4

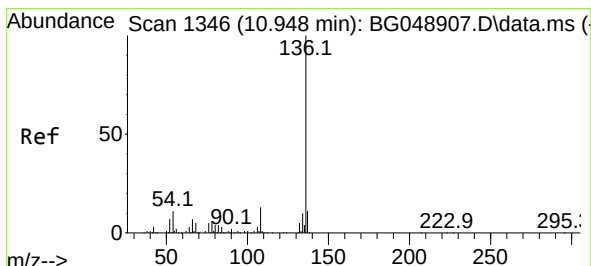
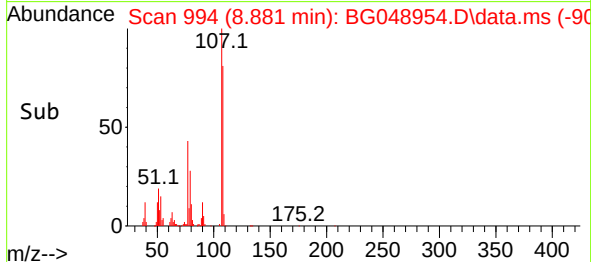
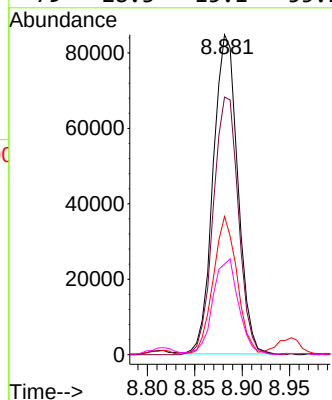
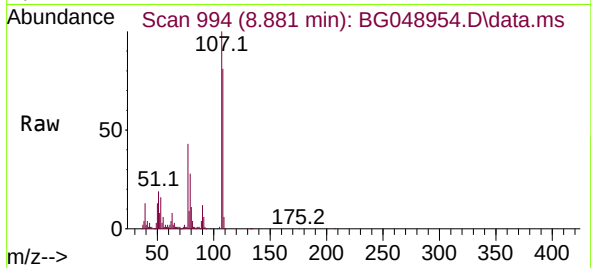




#20  
3+4-Methylphenols  
Concen: 38.27 ng  
RT: 8.881 min Scan# 994  
Delta R.T. -0.005 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

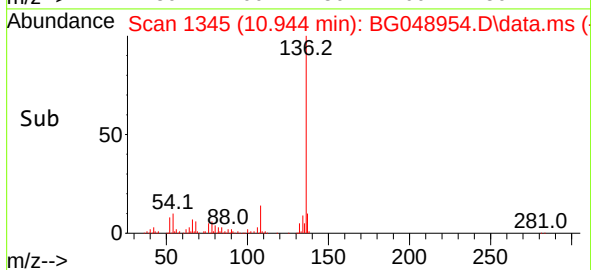
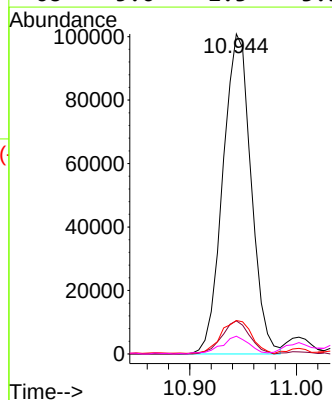
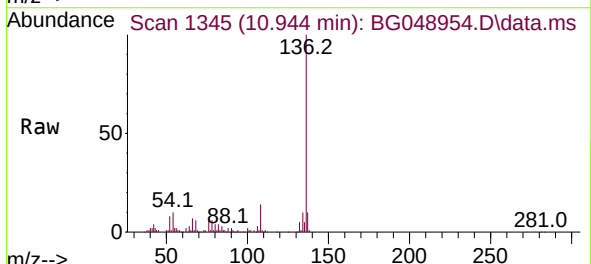
Instrument :  
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ClientSampleId :  
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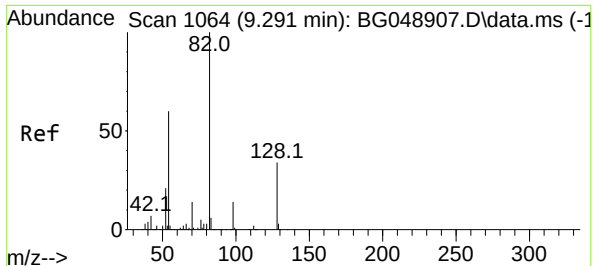
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 152502     |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 108         | 80.5  | 69.3 109.3 |
| 77          | 43.2  | 25.2 65.2  |
| 79          | 28.3  | 15.1 55.1  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.944 min Scan# 1345  
Delta R.T. -0.004 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 185225   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.4  | 8.2 12.2 |
| 54          | 10.4  | 5.5 8.3# |
| 68          | 5.6   | 2.3 3.5# |

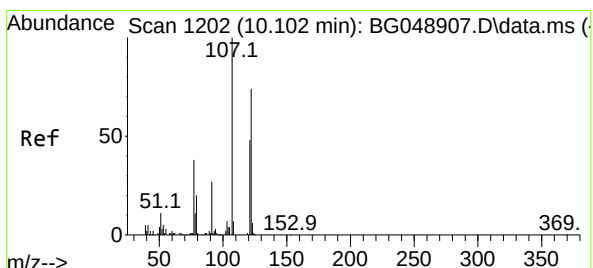
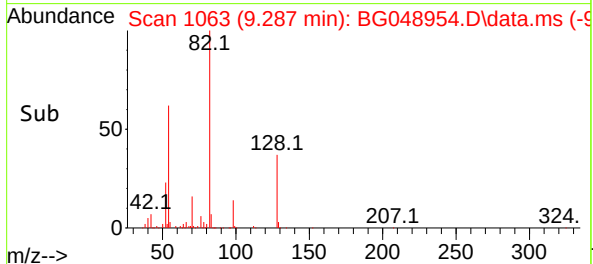
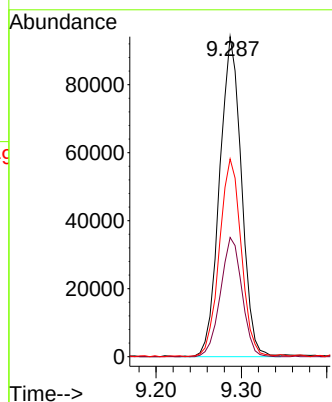
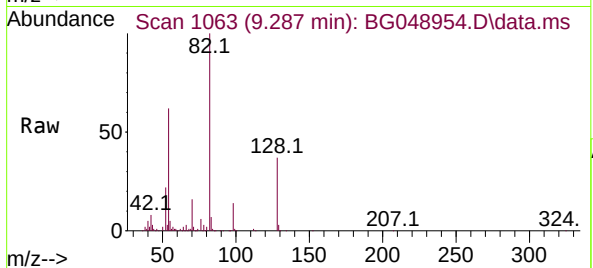




#23  
Nitrobenzene-d5  
Concen: 39.03 ng  
RT: 9.287 min Scan# 1063  
Delta R.T. -0.004 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

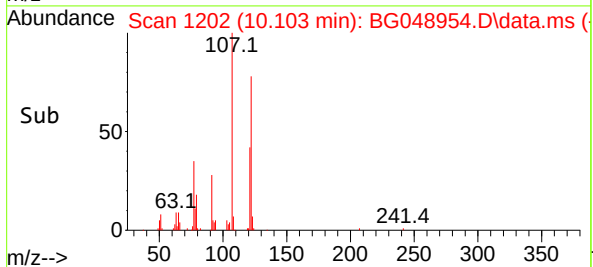
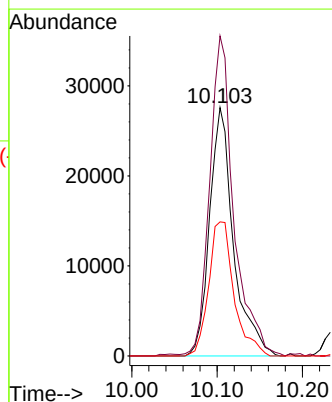
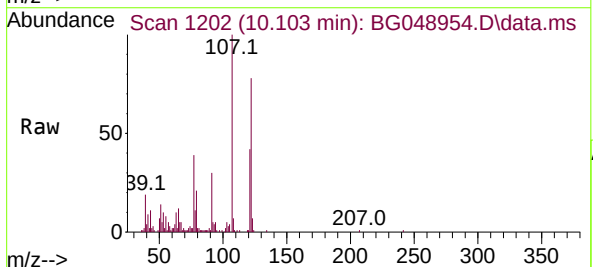
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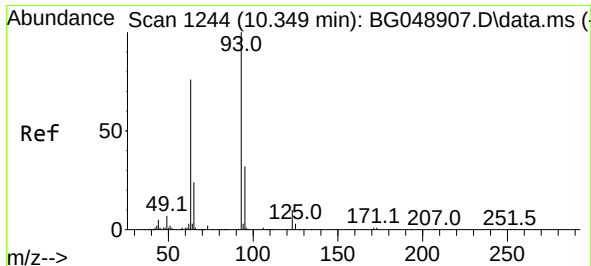
Tgt Ion: 82 Resp: 167640  
Ion Ratio Lower Upper  
82 100  
128 37.3 29.8 44.6  
54 61.8 45.8 68.8



#27  
2,4-Dimethylphenol  
Concen: 18.08 ng  
RT: 10.103 min Scan# 1202  
Delta R.T. 0.001 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion: 122 Resp: 53797  
Ion Ratio Lower Upper  
122 100  
107 128.8 110.1 165.1  
121 54.0 49.0 73.6

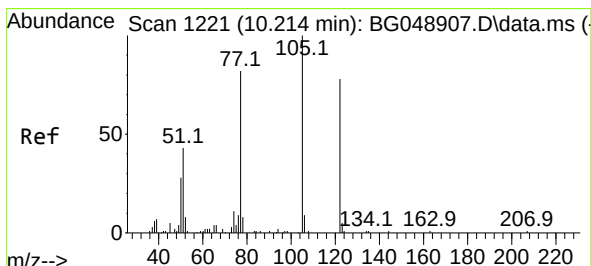
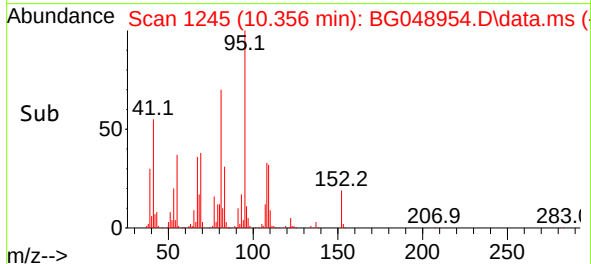
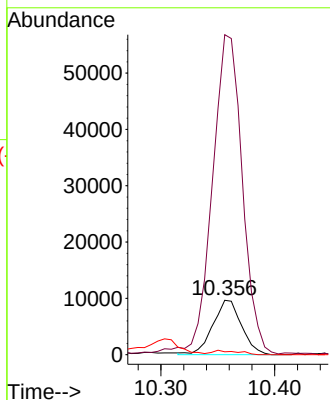
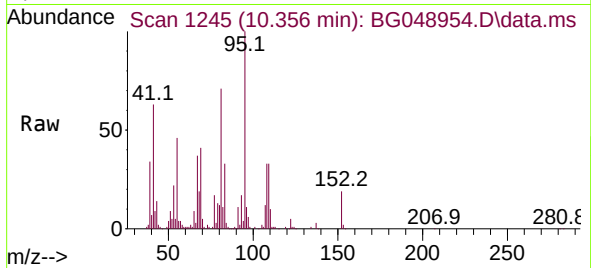




#28  
bis(2-Chloroethoxy)methane  
Concen: 3.91 ng  
RT: 10.356 min Scan# 1245  
Delta R.T. 0.007 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

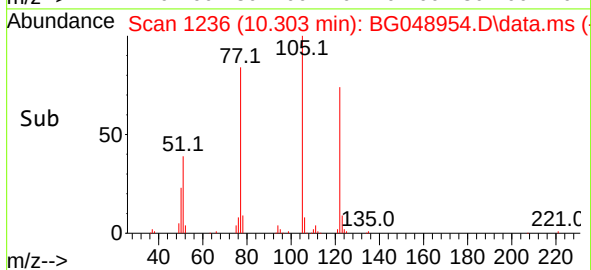
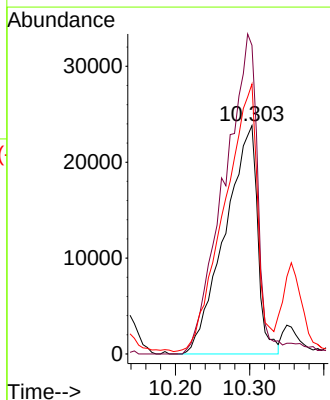
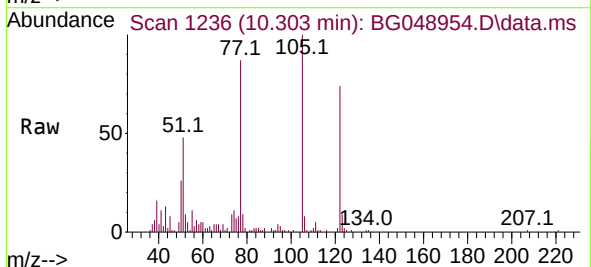
Instrument :  
BNA\_G  
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Tgt Ion: 93 Resp: 16945  
Ion Ratio Lower Upper  
93 100  
95 587.8 22.2 33.4#  
123 5.4 8.8 13.2#

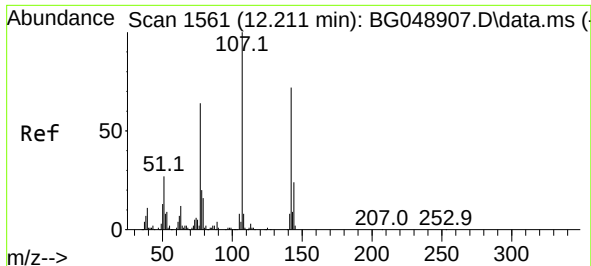


#32  
Benzoic acid  
Concen: 37.48 ng  
RT: 10.303 min Scan# 1236  
Delta R.T. 0.089 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion:122 Resp: 72851  
Ion Ratio Lower Upper  
122 100  
105 135.2 92.3 132.3#  
77 118.2 66.5 106.5#



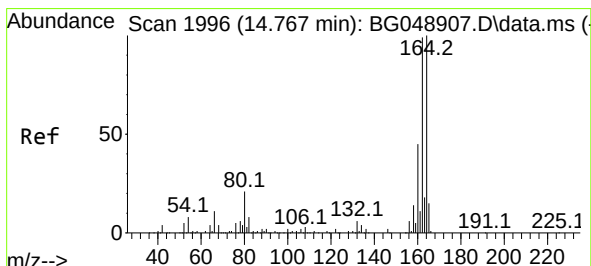
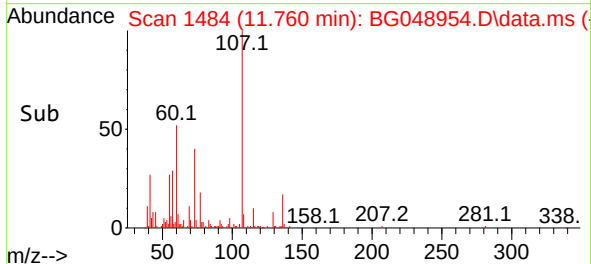
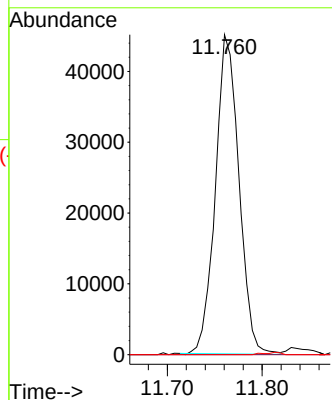
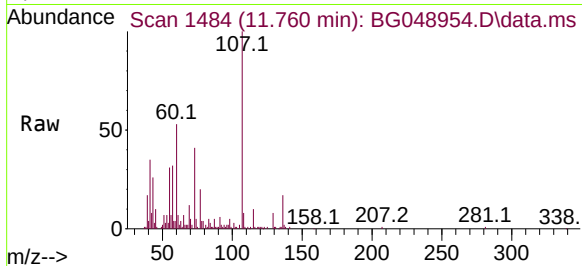




#36  
4-Chloro-3-methylphenol  
Concen: 19.03 ng  
RT: 11.760 min Scan# 1484  
Delta R.T. -0.451 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

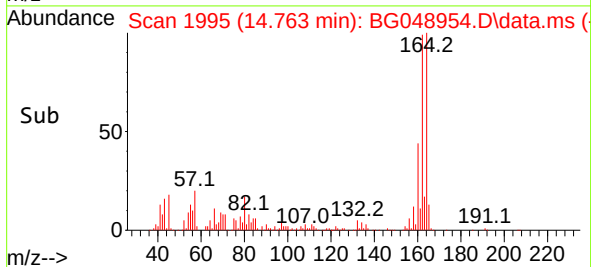
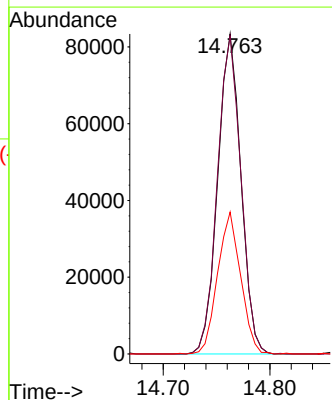
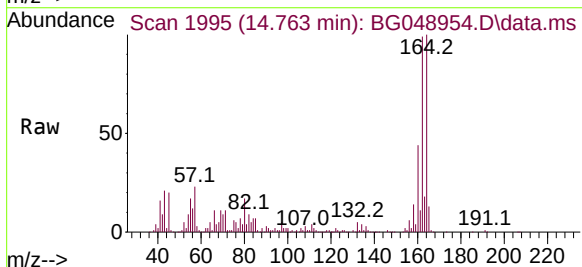
Instrument :  
BNA\_G  
ClientSampleId :  
1824-25RE

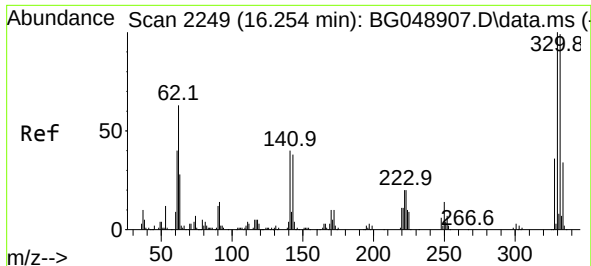
Tgt Ion:107 Resp: 77643  
Ion Ratio Lower Upper  
107 100  
144 0.0 24.8 37.2#  
142 0.0 62.2 93.4#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.763 min Scan# 1995  
Delta R.T. -0.004 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion:164 Resp: 126037  
Ion Ratio Lower Upper  
164 100  
162 99.4 81.4 122.0  
160 44.4 34.9 52.3

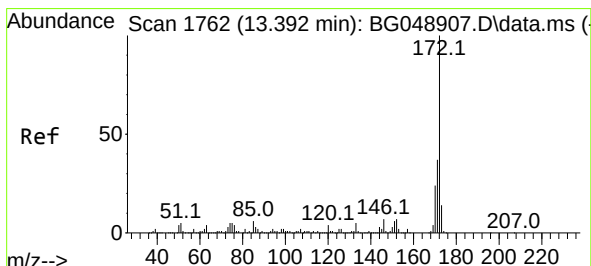
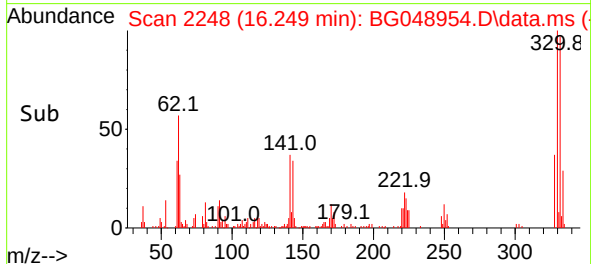
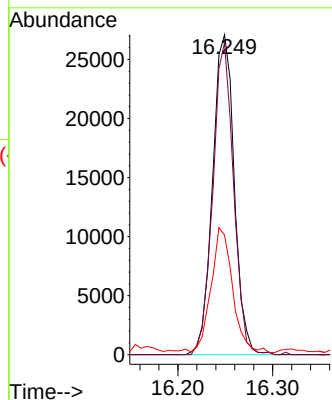
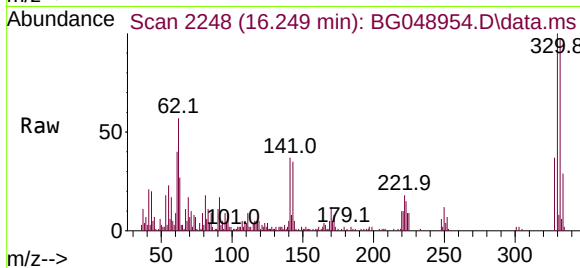




#42  
2,4,6-Tribromophenol  
Concen: 23.00 ng  
RT: 16.249 min Scan# 2248  
Delta R.T. -0.005 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

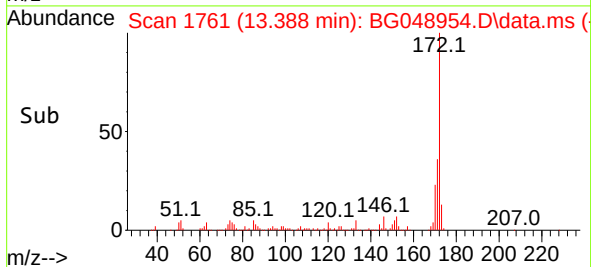
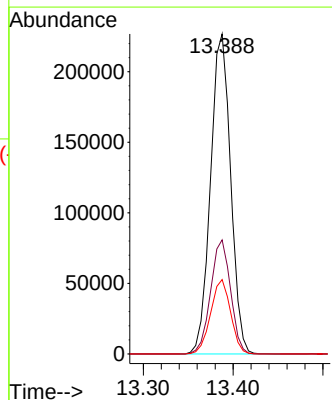
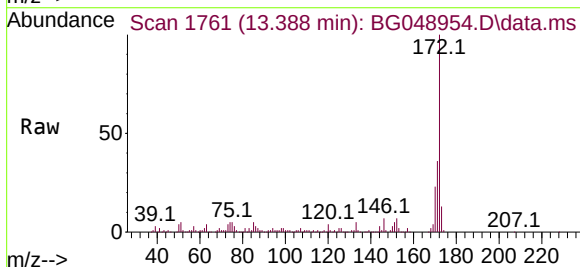
Instrument :  
BNA\_G  
ClientSampleId :  
1824-25RE

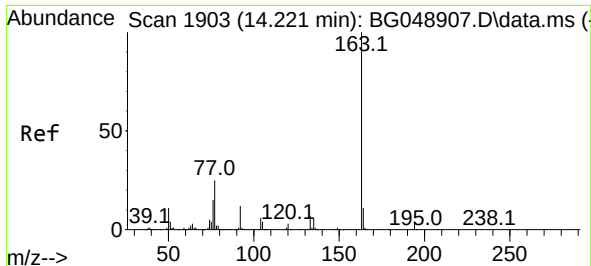
Tgt Ion:330 Resp: 42943  
Ion Ratio Lower Upper  
330 100  
332 93.3 77.3 115.9  
141 39.2 35.6 53.4



#45  
2-Fluorobiphenyl  
Concen: 39.48 ng  
RT: 13.388 min Scan# 1761  
Delta R.T. -0.004 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion:172 Resp: 352277  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.6 43.0  
170 23.3 18.6 27.8

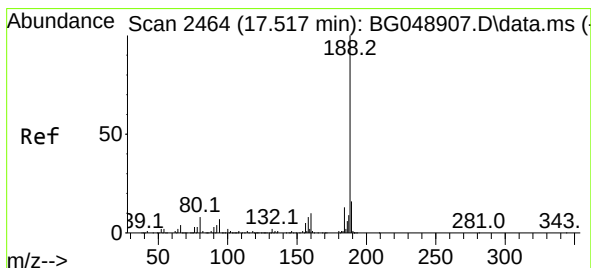
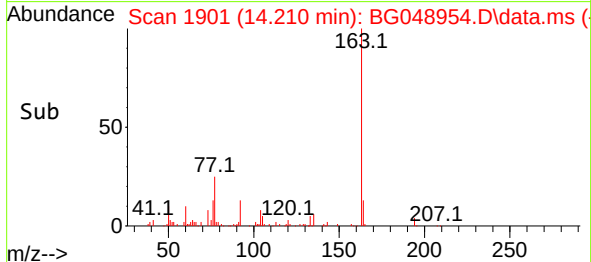
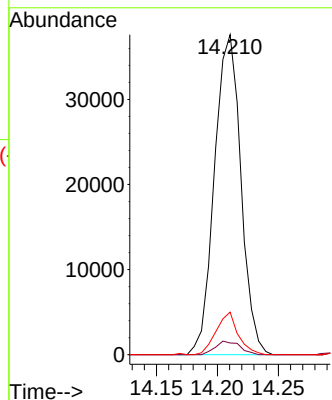
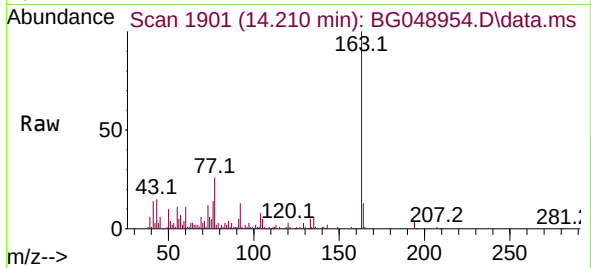




#50  
Dimethylphthalate  
Concen: 5.78 ng  
RT: 14.210 min Scan# 1901  
Delta R.T. -0.011 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

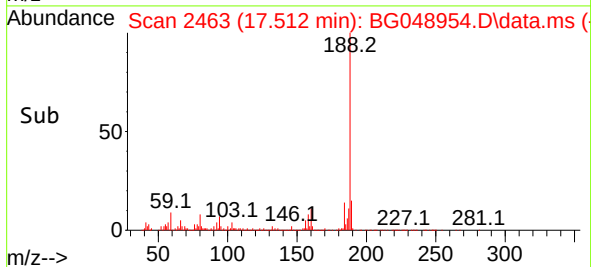
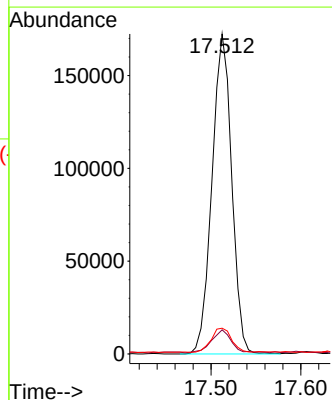
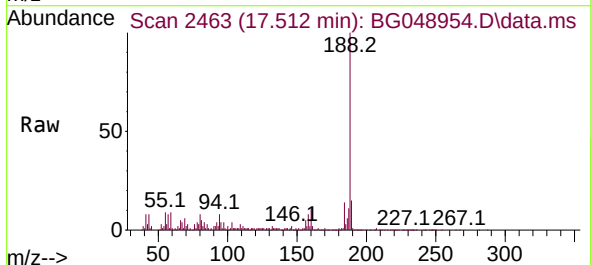
Instrument :  
BNA\_G  
ClientSampleId :  
1824-25RE

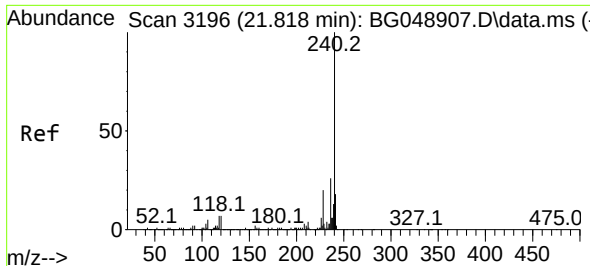
Tgt Ion:163 Resp: 56750  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.0 4.6  
164 13.3 8.6 12.8#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.512 min Scan# 2463  
Delta R.T. -0.005 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion:188 Resp: 262582  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.4 8.0  
80 8.0 3.7 5.5#

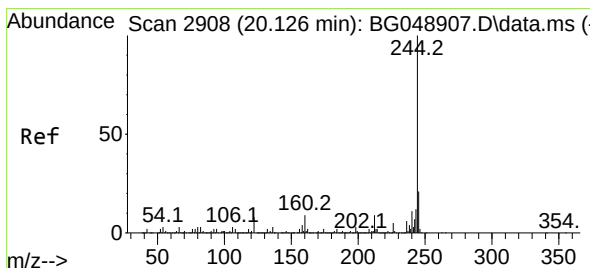
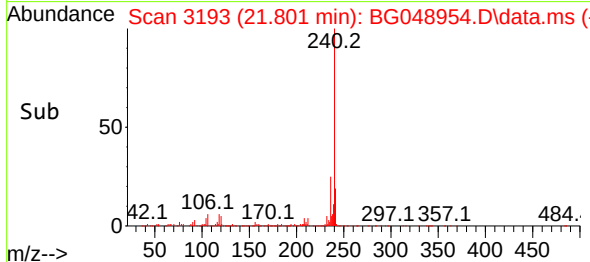
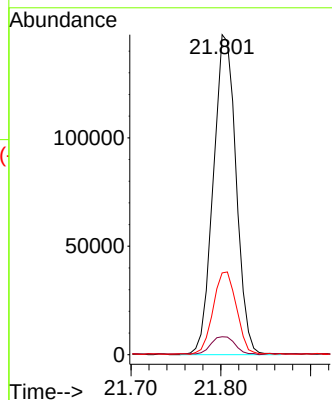
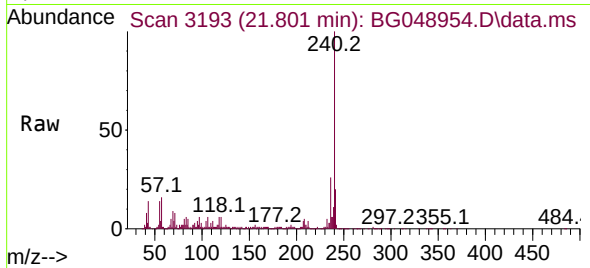




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.801 min Scan# 3193  
Delta R.T. -0.016 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

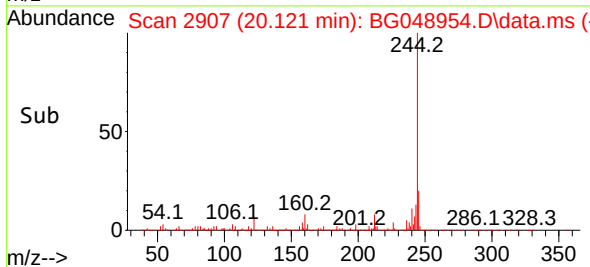
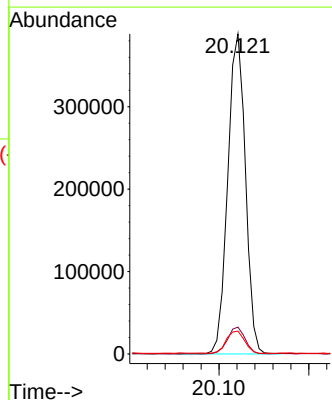
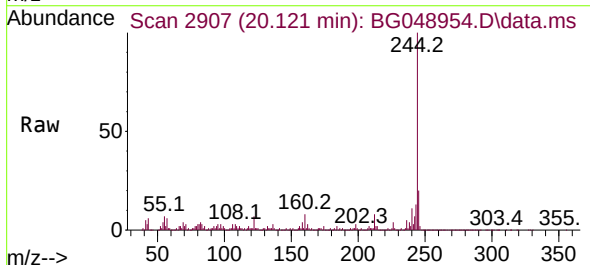
Instrument :  
BNA\_G  
ClientSampleId :  
1824-25RE

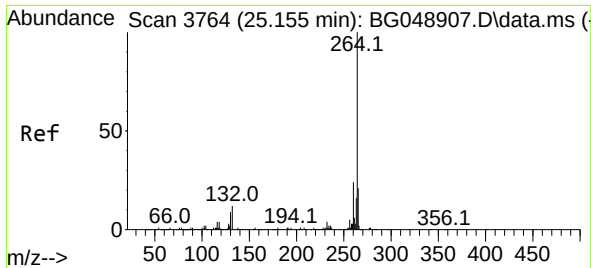
Tgt Ion:240 Resp: 260620  
Ion Ratio Lower Upper  
240 100  
120 5.6 4.2 6.2  
236 25.5 21.8 32.6



#79  
Terphenyl-d14  
Concen: 37.25 ng  
RT: 20.121 min Scan# 2907  
Delta R.T. -0.005 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Tgt Ion:244 Resp: 530125  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.9 10.3  
122 7.1 5.0 7.6





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.145 min Scan# 3762  
Delta R.T. -0.011 min  
Lab File: BG048954.D  
Acq: 14 Jun 2021 18:10

Instrument :  
BNA\_G  
ClientSampleId :  
1824-25RE

Tgt Ion:264 Resp: 267238  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.3  | 19.4  | 29.2  |
| 265 | 21.4  | 16.9  | 25.3  |

