

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061221\  
 Data File : BG048934.D  
 Acq On : 13 Jun 2021 9:05  
 Operator : CG/JU  
 Sample : M2625-33  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 18-B12(186-190)

Quant Time: Jun 14 03:19:22 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

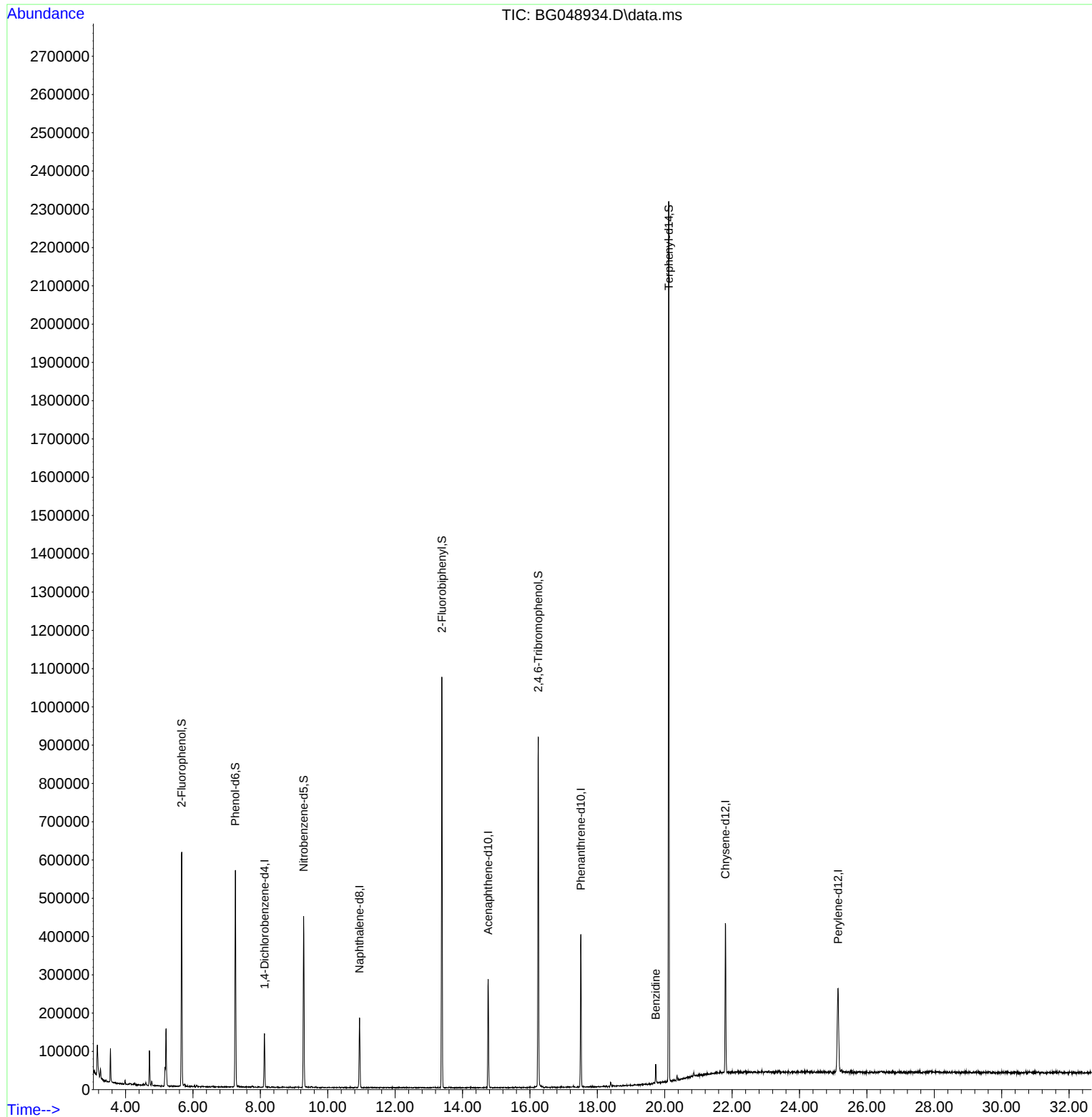
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 8.122  | 152  | 35209    | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.943 | 136  | 143353   | 20.000  | ng    | # 0.00    |
| 39) Acenaphthene-d10        | 14.762 | 164  | 105564   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.511 | 188  | 250870   | 20.000  | ng    | # 0.00    |
| 76) Chrysene-d12            | 21.800 | 240  | 255688   | 20.000  | ng    | -0.02     |
| 86) Perylene-d12            | 25.144 | 264  | 257941   | 20.000  | ng    | -0.01     |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.666  | 112  | 233314   | 103.154 | ng    | 0.00      |
| 7) Phenol-d6                | 7.259  | 99   | 278728   | 82.220  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.286  | 82   | 260465   | 78.347  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 16.248 | 330  | 171745   | 109.812 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.387 | 172  | 530178   | 70.949  | ng    | 0.00      |
| 79) Terphenyl-d14           | 20.120 | 244  | 1034908  | 74.127  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzdine                | 19.732 | 184  | 28260    | 5.487   | ng    | Qvalue 97 |
| -----                       |        |      |          |         |       |           |

(#) = 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

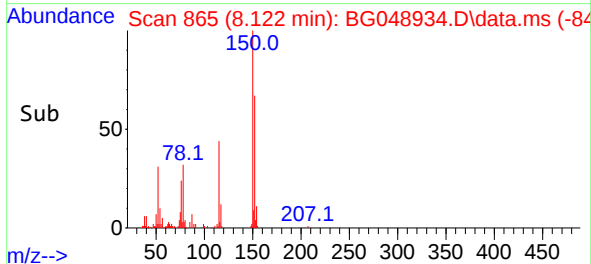
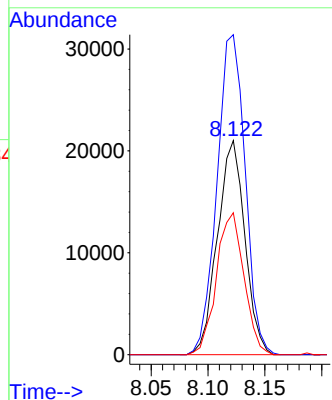
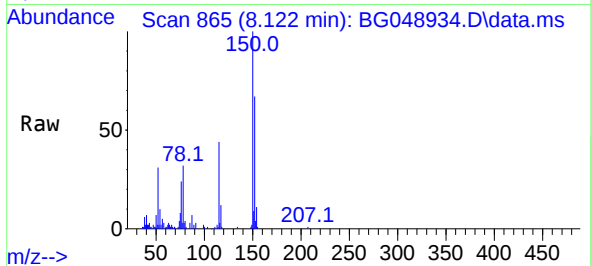




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.122 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

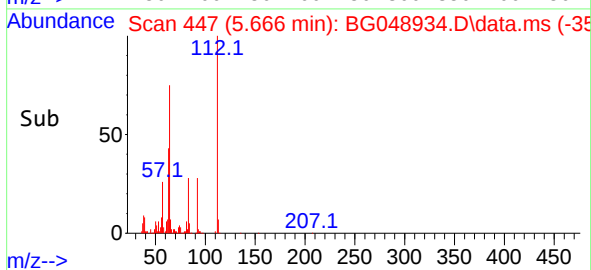
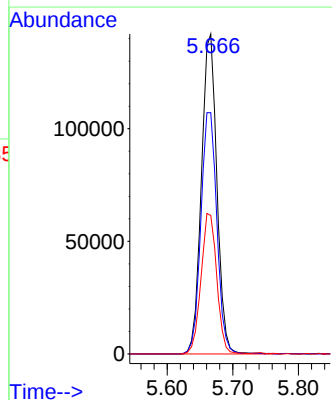
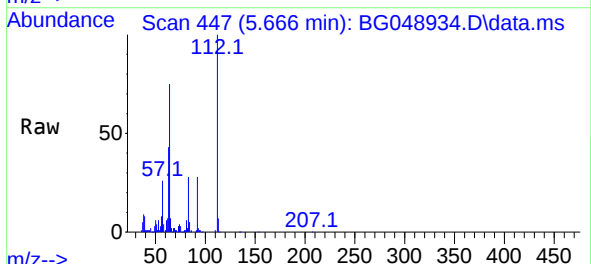
Instrument :  
BNA\_G  
ClientSampleId :  
18-B12(186-190)

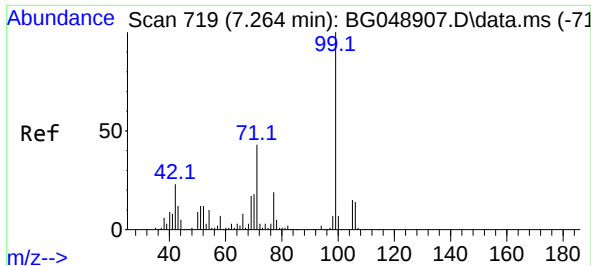
Tgt Ion:152 Resp: 35209  
Ion Ratio Lower Upper  
152 100  
150 149.4 119.4 179.0  
115 66.3 60.2 90.4



#5  
2-Fluorophenol  
Concen: 103.154 ng  
RT: 5.666 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Tgt Ion:112 Resp: 233314  
Ion Ratio Lower Upper  
112 100  
64 75.4 46.7 70.1#  
63 43.3 35.3 52.9

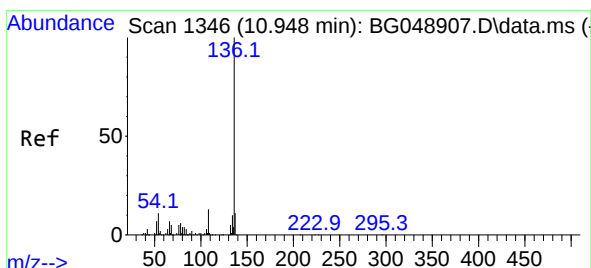
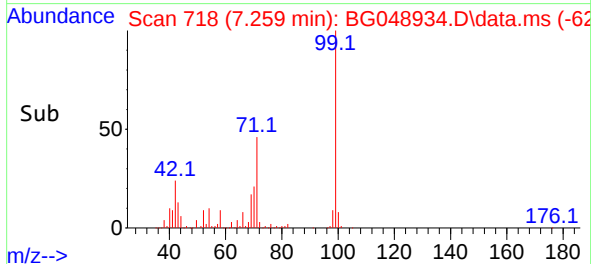
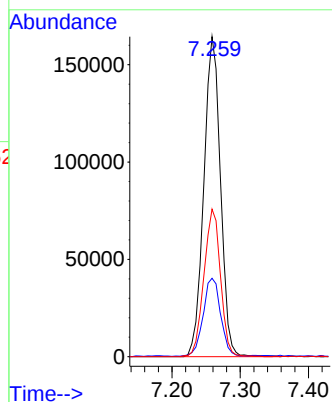
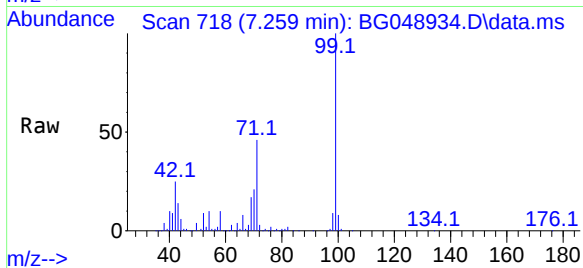




#7  
Phenol-d6  
Concen: 82.220 ng  
RT: 7.259 min Scan# 718  
Delta R.T. -0.005 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

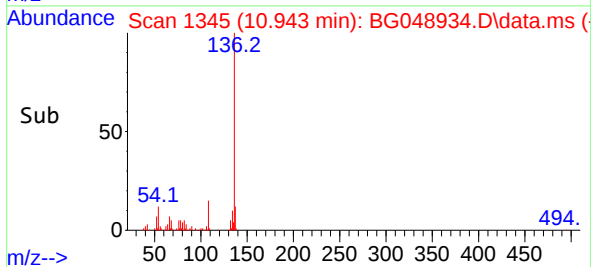
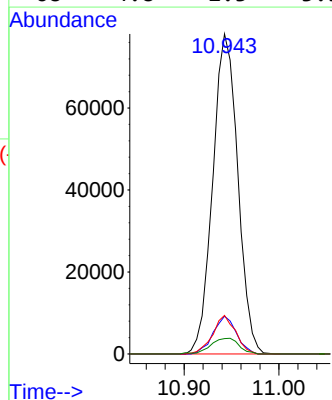
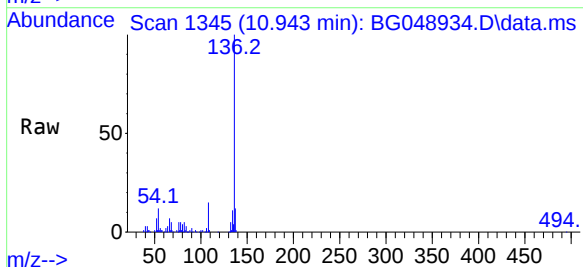
Instrument :  
BNA\_G  
ClientSampleId :  
18-B12(186-190)

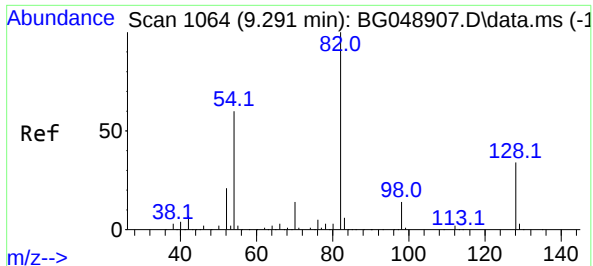
Tgt Ion: 99 Resp: 278728  
Ion Ratio Lower Upper  
99 100  
42 24.5 20.5 30.7  
71 46.1 41.5 62.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.943 min Scan# 1345  
Delta R.T. -0.005 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Tgt Ion:136 Resp: 143353  
Ion Ratio Lower Upper  
136 100  
137 11.8 8.2 12.2  
54 12.0 5.5 8.3#  
68 4.8 2.3 3.5#



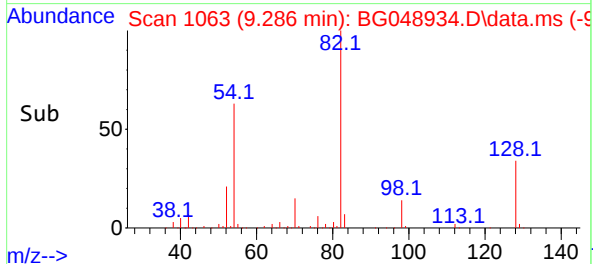
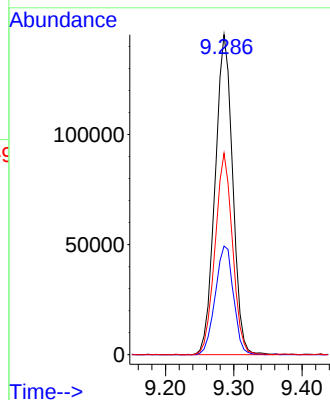
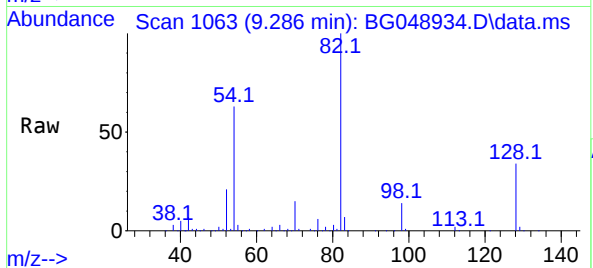


#23  
Nitrobenzene-d5  
Concen: 78.347 ng  
RT: 9.286 min Scan# 1063  
Delta R.T. -0.005 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Instrument :  
BNA\_G  
ClientSampleId :  
18-B12(186-190)

Tgt Ion: 82 Resp: 260465

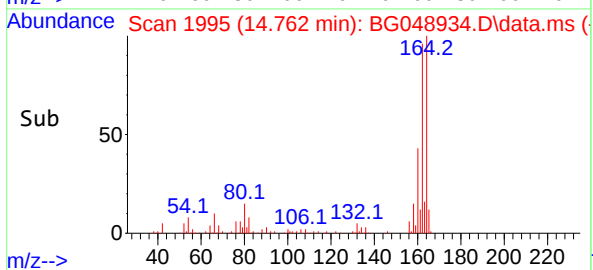
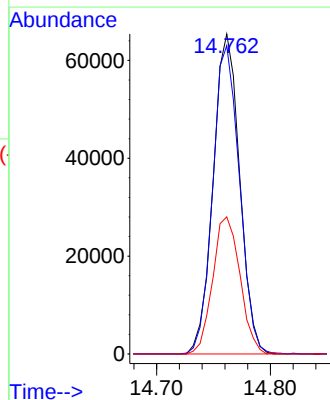
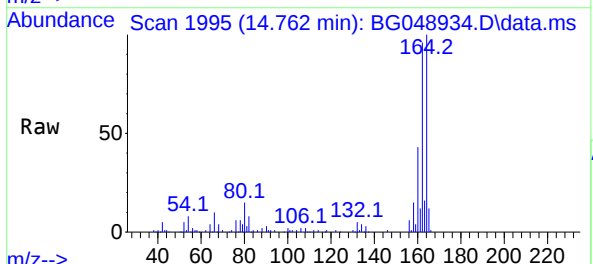
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 33.9  | 29.8  | 44.6  |
| 54  | 62.9  | 45.8  | 68.8  |

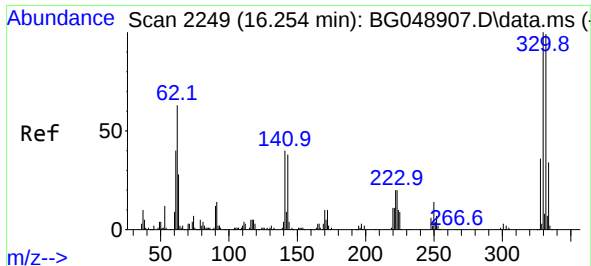


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.762 min Scan# 1995  
Delta R.T. -0.005 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Tgt Ion: 164 Resp: 105564

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 96.4  | 81.4  | 122.0 |
| 160 | 42.9  | 34.9  | 52.3  |

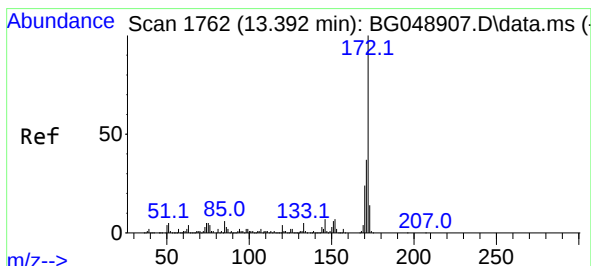
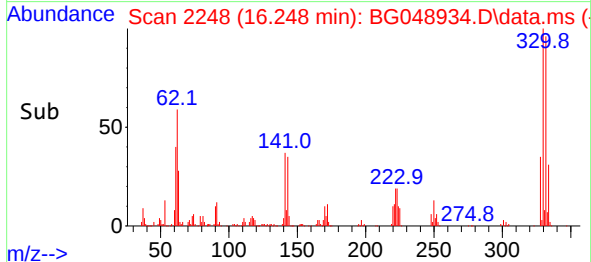
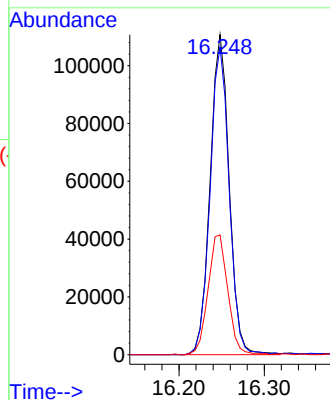
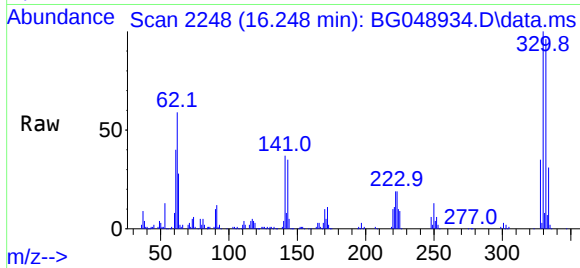




#42  
2,4,6-Tribromophenol  
Concen: 109.812 ng  
RT: 16.248 min Scan# 2248  
Delta R.T. -0.006 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

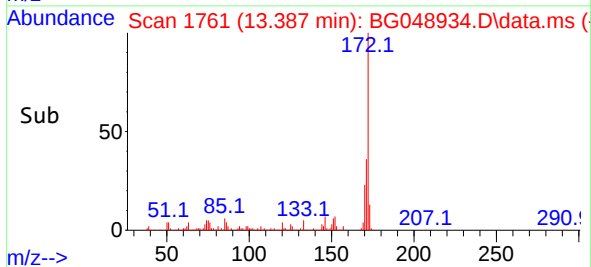
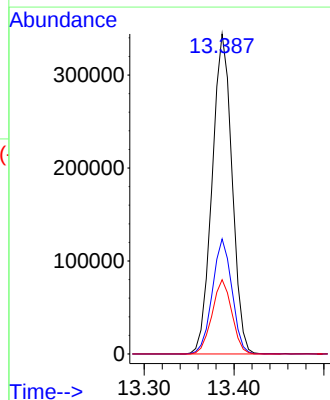
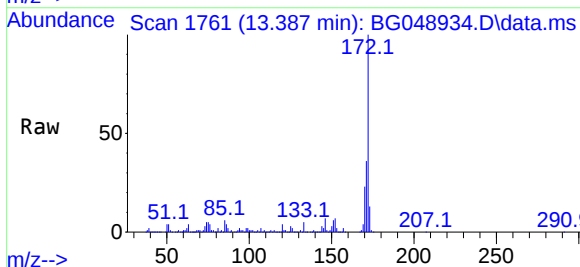
Instrument :  
BNA\_G  
ClientSampleId :  
18-B12(186-190)

Tgt Ion:330 Resp: 171745  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 38.8 35.6 53.4



#45  
2-Fluorobiphenyl  
Concen: 70.949 ng  
RT: 13.387 min Scan# 1761  
Delta R.T. -0.005 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Tgt Ion:172 Resp: 530178  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 43.0  
170 23.2 18.6 27.8

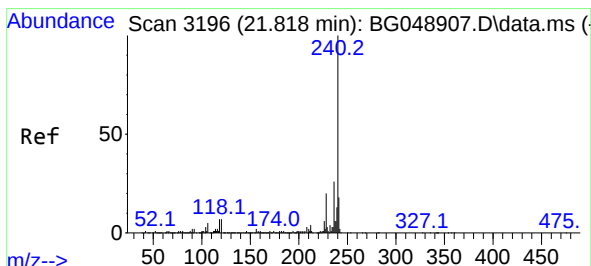
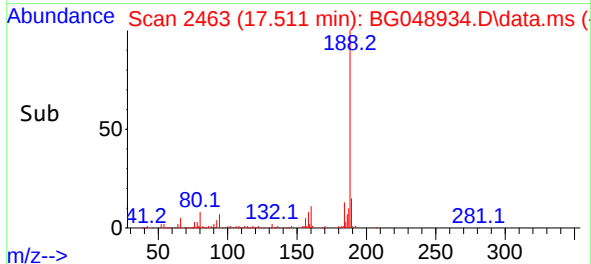
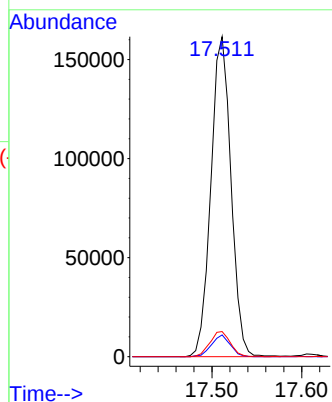
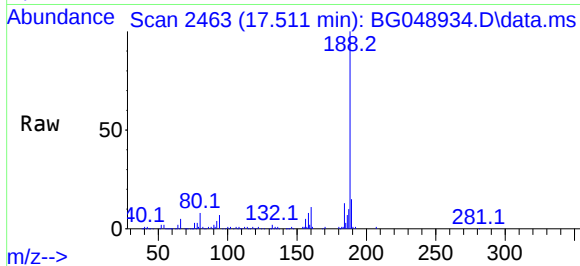




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.511 min Scan# 2463  
Delta R.T. -0.006 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

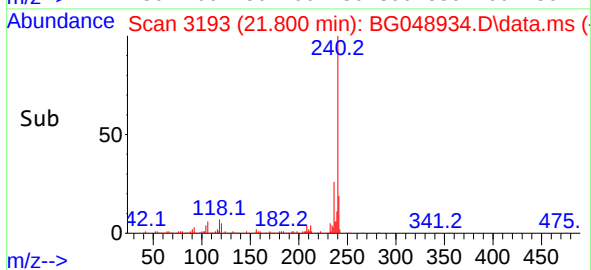
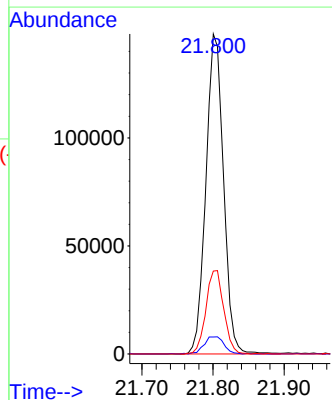
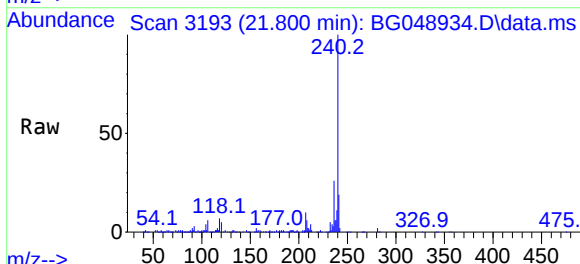
Instrument :  
BNA\_G  
ClientSampleId :  
18-B12(186-190)

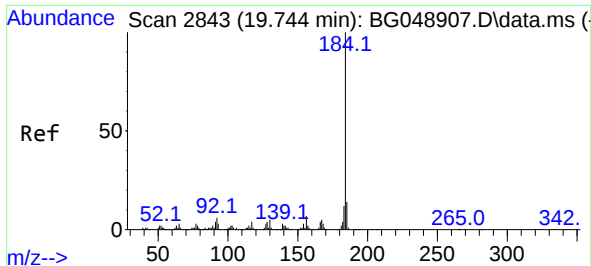
Tgt Ion:188 Resp: 250870  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.4 8.0  
80 7.9 3.7 5.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.800 min Scan# 3193  
Delta R.T. -0.017 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Tgt Ion:240 Resp: 255688  
Ion Ratio Lower Upper  
240 100  
120 5.3 4.2 6.2  
236 25.9 21.8 32.6

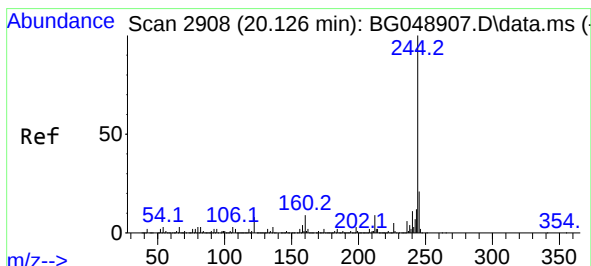
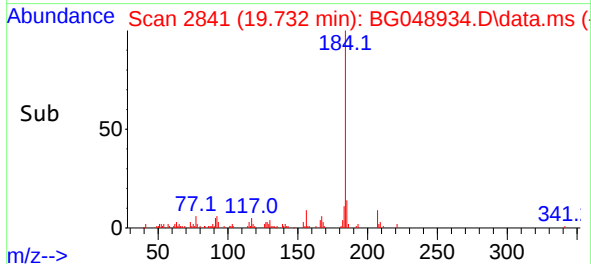
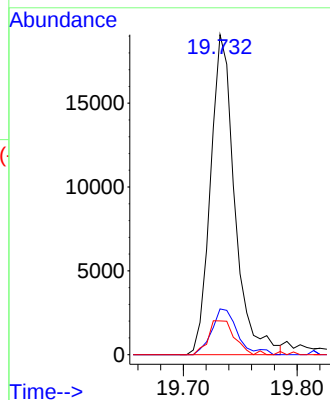
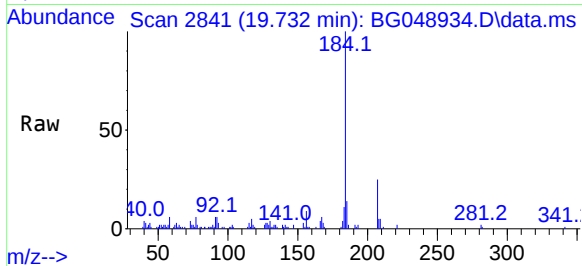




#77  
Benzidine  
Concen: 5.487 ng  
RT: 19.732 min Scan# 2841  
Delta R.T. -0.012 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

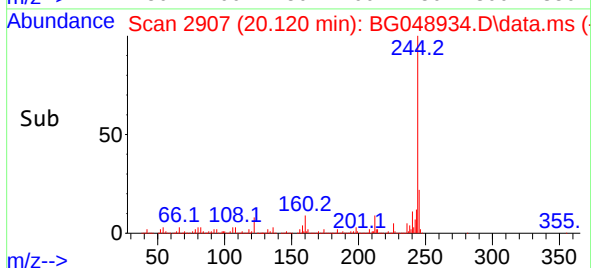
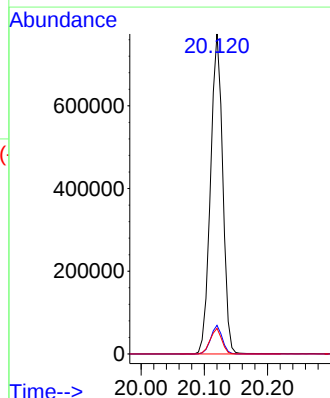
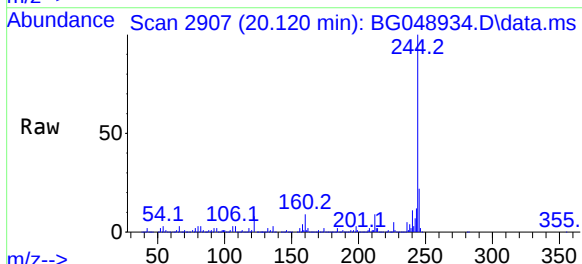
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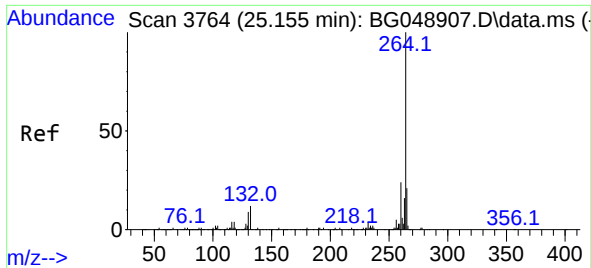
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|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 28260     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.3  | 10.7 16.1 |
| 183         | 10.5  | 9.4 14.0  |



#79  
Terphenyl-d14  
Concen: 74.127 ng  
RT: 20.120 min Scan# 2907  
Delta R.T. -0.006 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 1034908  |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 8.9   | 6.9 10.3 |
| 122         | 8.0   | 5.0 7.6# |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.144 min Scan# 3762  
Delta R.T. -0.012 min  
Lab File: BG048934.D  
Acq: 13 Jun 2021 9:05

Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:264 Resp: 257941  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.4  | 29.2  |
| 265 | 19.3  | 16.9  | 25.3  |

