

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061521\  
 Data File : BG048984.D  
 Acq On : 15 Jun 2021 19:23  
 Operator : CG/JU  
 Sample : M2672-18  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 17-B6(76-80)

Quant Time: Jun 16 01:02:04 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

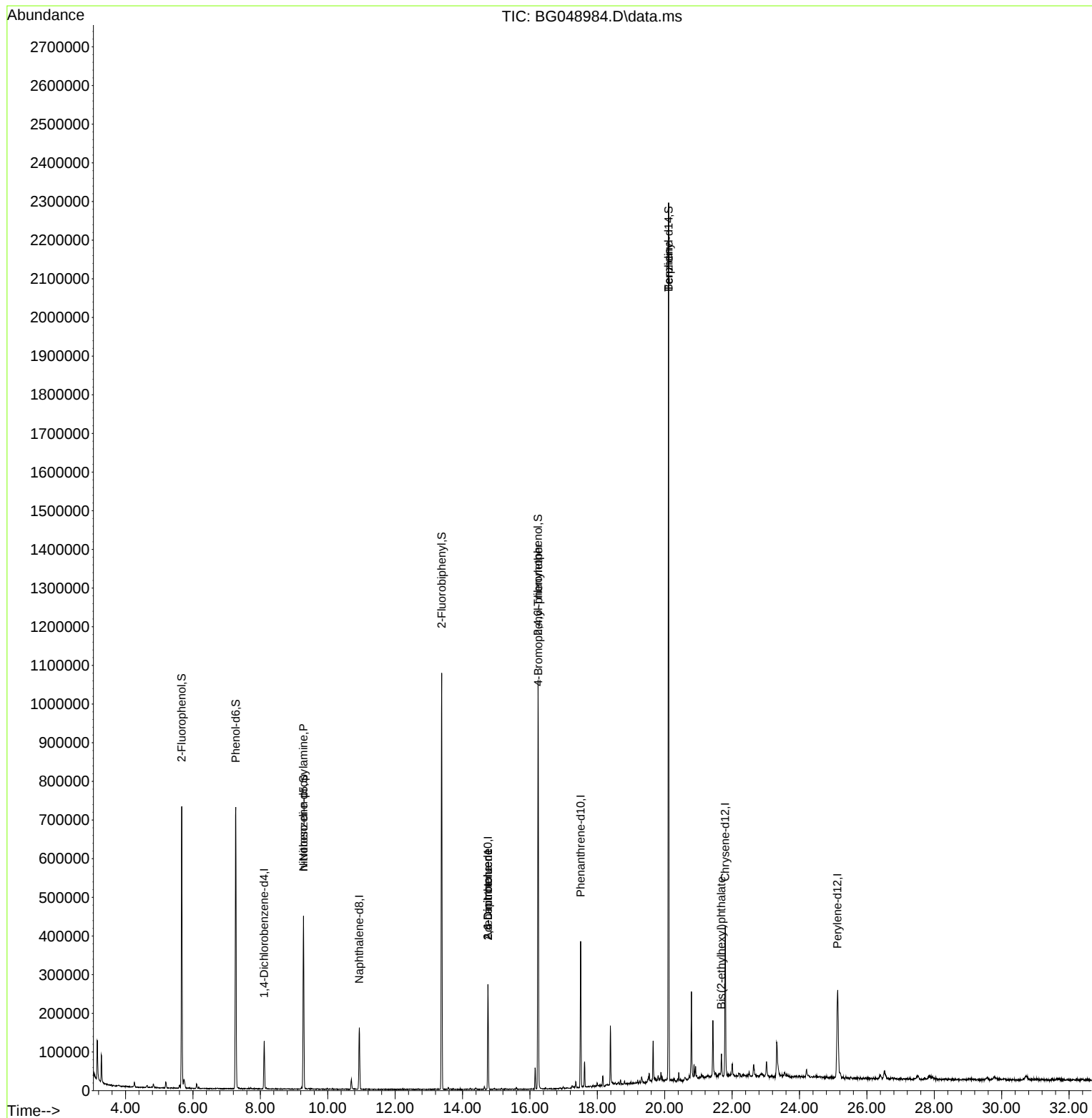
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.111  | 152  | 32778    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.937 | 136  | 127018   | 20.00  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.756 | 164  | 95839    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.506 | 188  | 235752   | 20.00  | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.795 | 240  | 249091   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.126 | 264  | 264948   | 20.00  | ng    | -0.03    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.667  | 112  | 283819   | 134.79 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.271  | 99   | 376199   | 119.20 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.280  | 82   | 263617   | 89.49  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.243 | 330  | 196505   | 138.39 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.381 | 172  | 543717   | 80.14  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.115 | 244  | 1045629  | 76.88  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.280  | 70   | 40202    | 16.30  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 14.756 | 165  | 13050    | 8.58   | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 14.756 | 165  | 13050    | 6.99   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.249 | 248  | 12589    | 4.28   | ng    | # 1      |
| 77) Benzidine                 | 20.115 | 184  | 20708    | 4.13   | ng    | # 88     |
| 84) Bis(2-ethylhexyl)phtha... | 21.683 | 149  | 21773    | 2.24   | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

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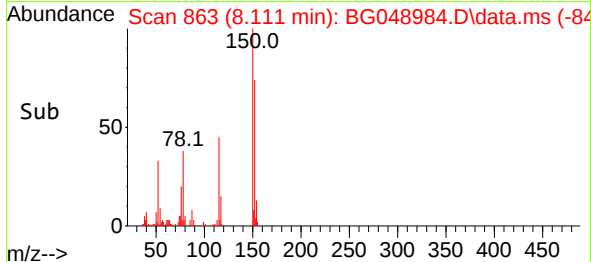
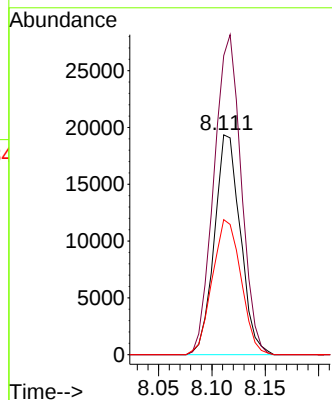
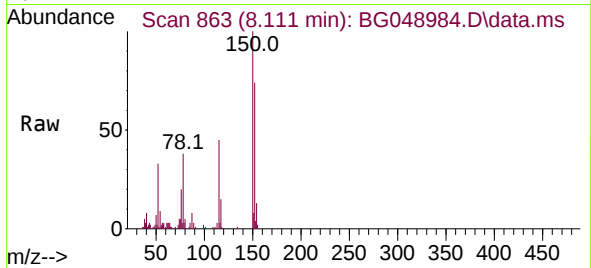




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.111 min Scan# 863  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

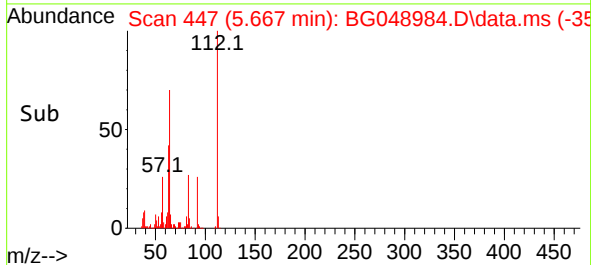
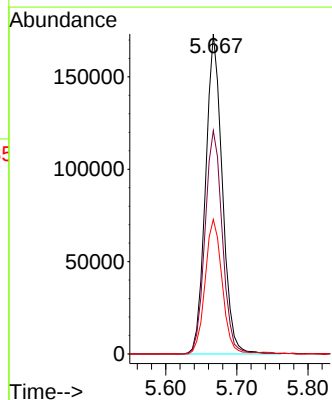
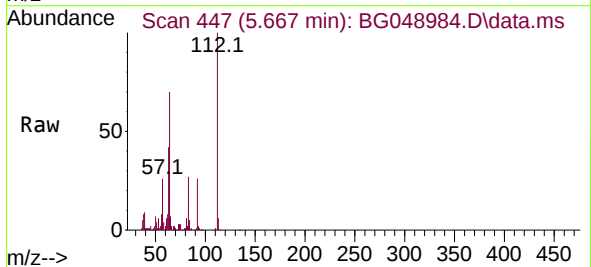
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

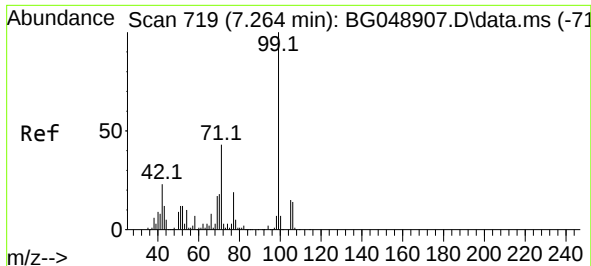
Tgt Ion:152 Resp: 32778  
Ion Ratio Lower Upper  
152 100  
150 136.0 119.4 179.0  
115 61.4 60.2 90.4



#5  
2-Fluorophenol  
Concen: 134.79 ng  
RT: 5.667 min Scan# 447  
Delta R.T. 0.001 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:112 Resp: 283819  
Ion Ratio Lower Upper  
112 100  
64 69.8 46.7 70.1  
63 42.0 35.3 52.9

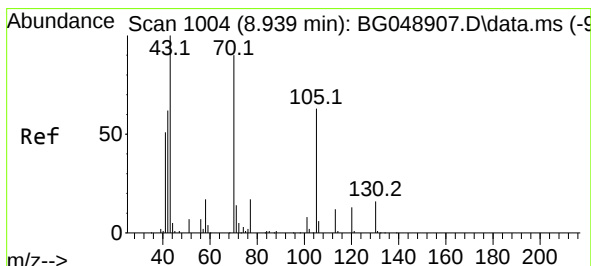
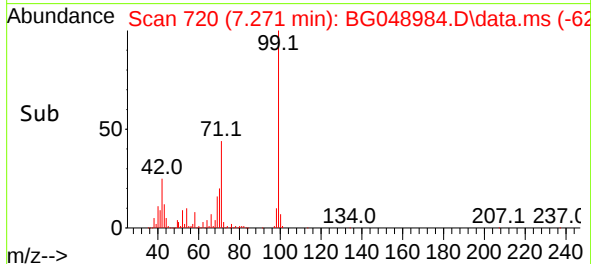
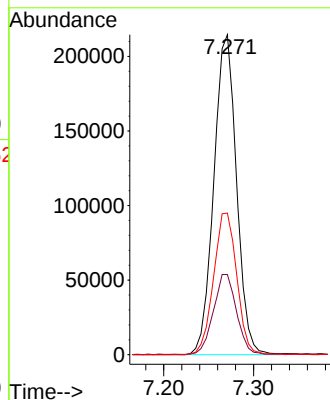
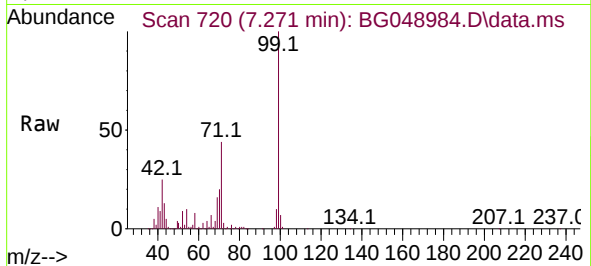




#7  
Phenol-d6  
Concen: 119.20 ng  
RT: 7.271 min Scan# 720  
Delta R.T. 0.007 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

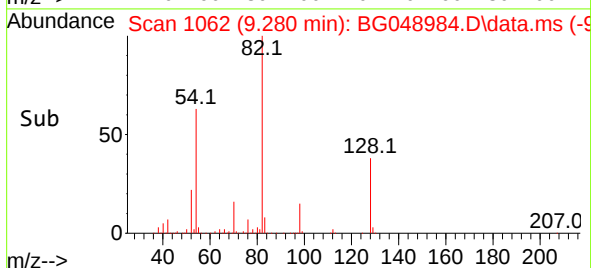
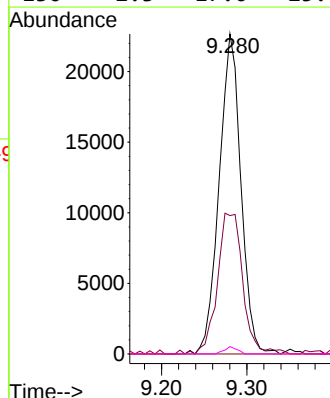
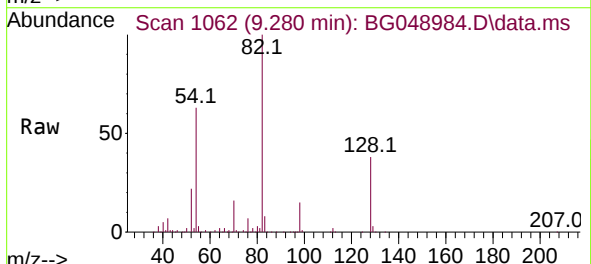
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

Tgt Ion: 99 Resp: 376199  
Ion Ratio Lower Upper  
99 100  
42 25.0 20.5 30.7  
71 44.3 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.30 ng  
RT: 9.280 min Scan# 1062  
Delta R.T. 0.341 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion: 70 Resp: 40202  
Ion Ratio Lower Upper  
70 100  
42 43.2 54.5 81.7#  
101 0.0 9.0 13.6#  
130 2.3 17.0 25.6#

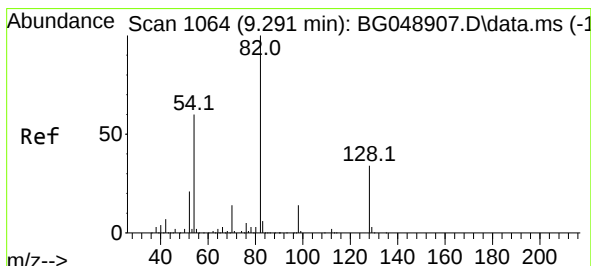
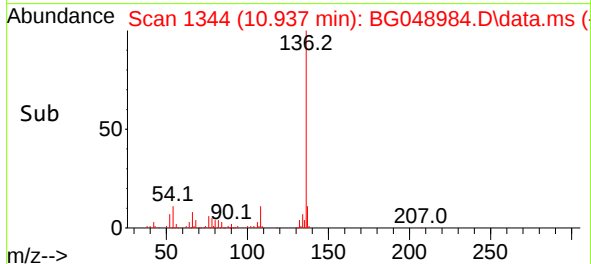
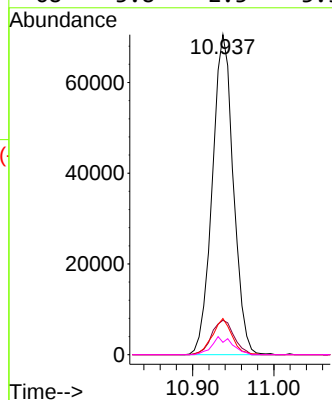
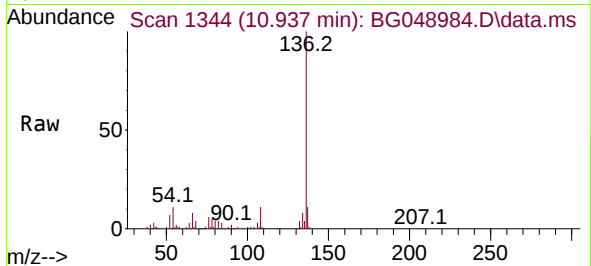




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.937 min Scan# 1344  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

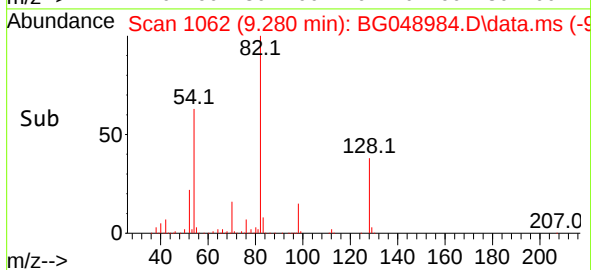
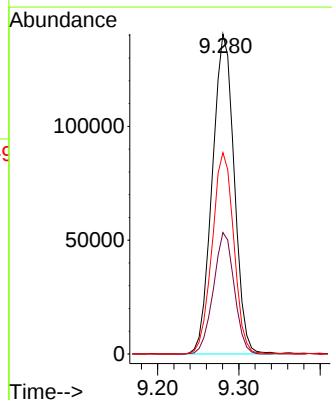
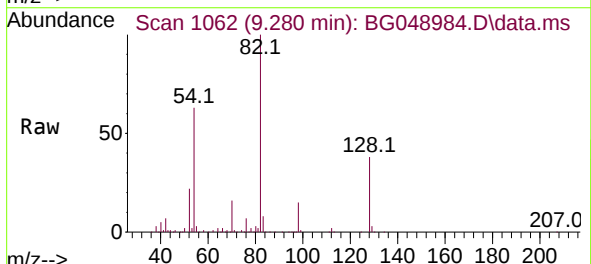
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 127018 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.2   | 12.2   |
| 54        | 11.3  | 5.5   | 8.3#   |
| 68        | 3.8   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 89.49 ng  
RT: 9.280 min Scan# 1062  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

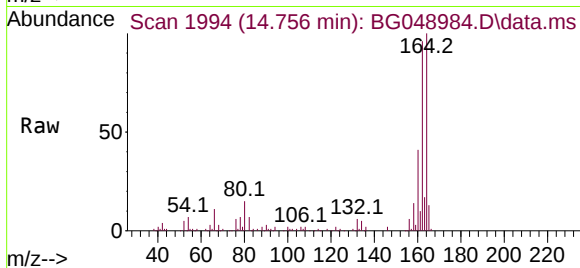
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 263617 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.9  | 29.8  | 44.6   |
| 54        | 62.9  | 45.8  | 68.8   |



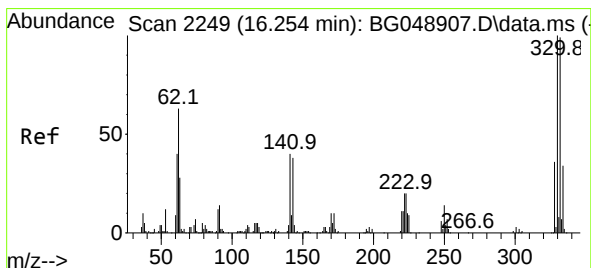
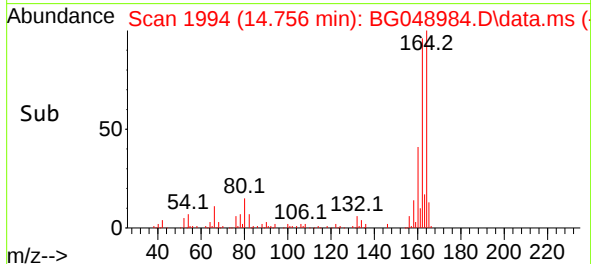
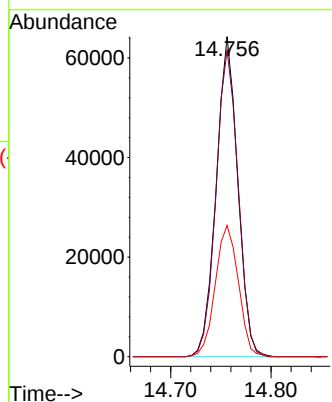


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

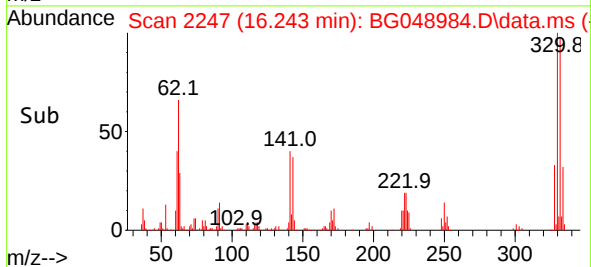
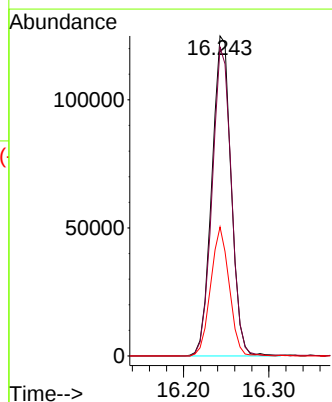
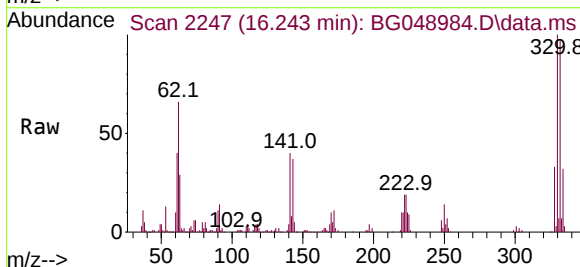


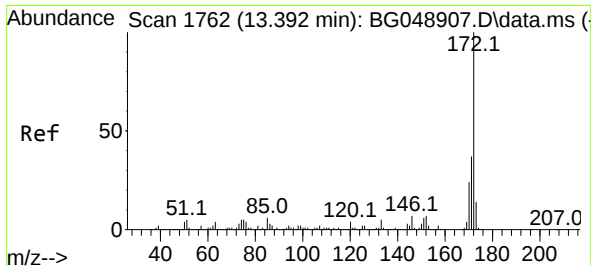
Tgt Ion:164 Resp: 95839  
Ion Ratio Lower Upper  
164 100  
162 95.7 81.4 122.0  
160 41.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 138.39 ng  
RT: 16.243 min Scan# 2247  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:330 Resp: 196505  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.3 115.9  
141 38.6 35.6 53.4

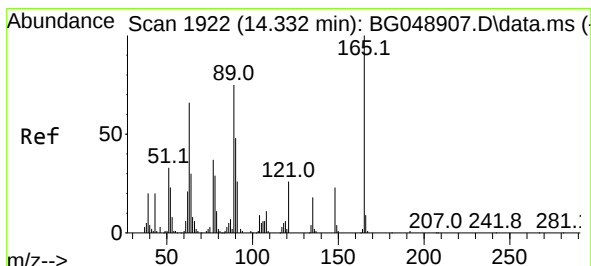
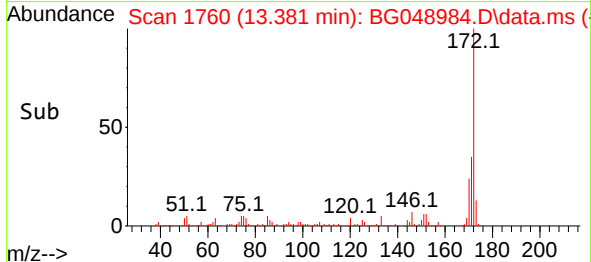
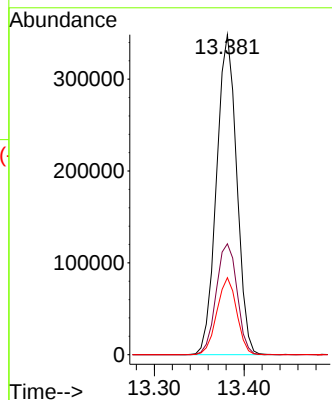
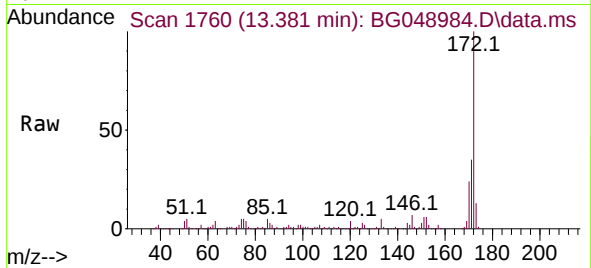




#45  
2-Fluorobiphenyl  
Concen: 80.14 ng  
RT: 13.381 min Scan# 1760  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

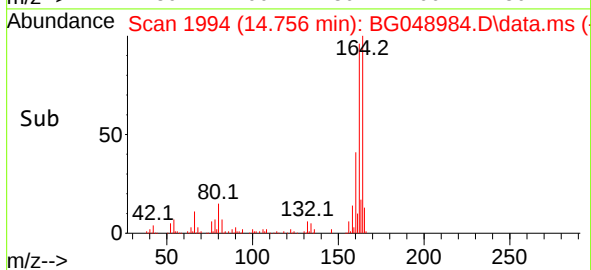
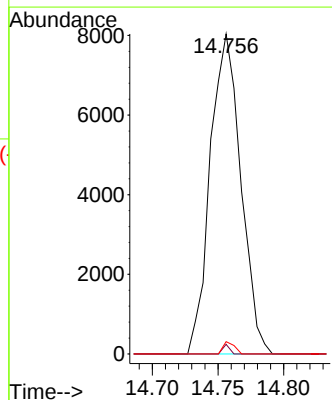
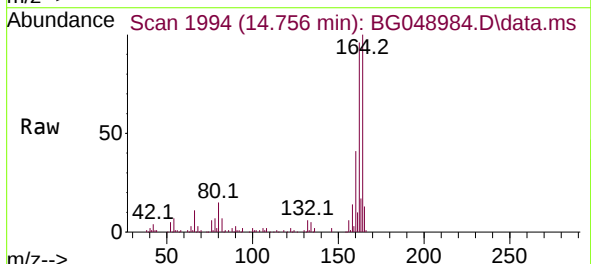
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

Tgt Ion:172 Resp: 543717  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.6 43.0  
170 24.1 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.58 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. 0.424 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

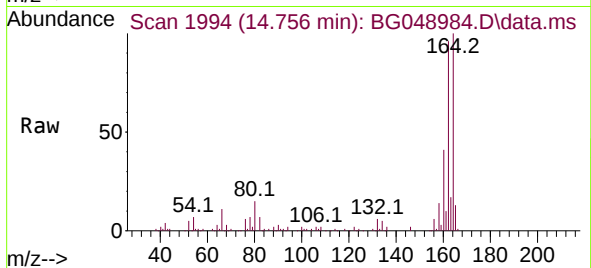
Tgt Ion:165 Resp: 13050  
Ion Ratio Lower Upper  
165 100  
63 3.0 63.3 94.9#  
89 3.9 63.4 95.0#



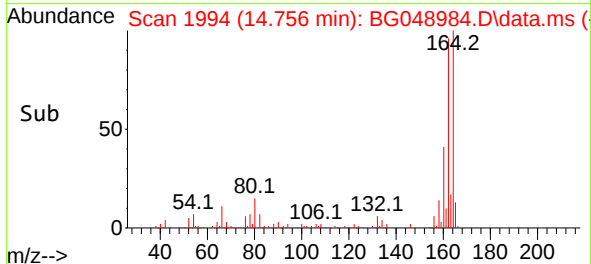
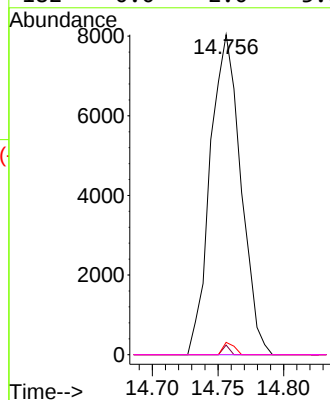


#57  
2,4-Dinitrotoluene  
Concen: 6.99 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. -0.364 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

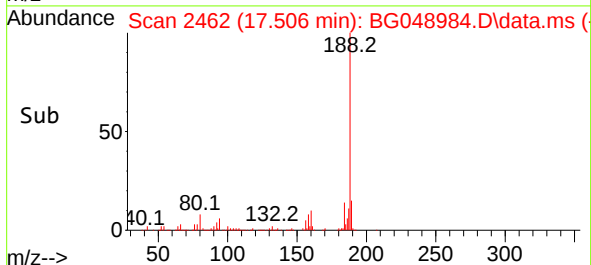
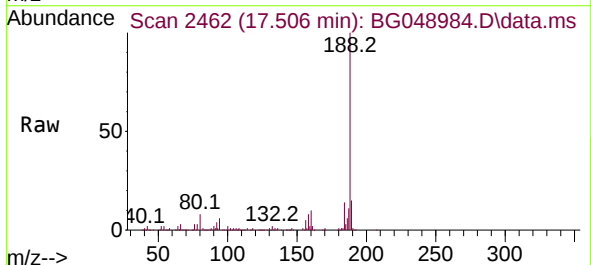
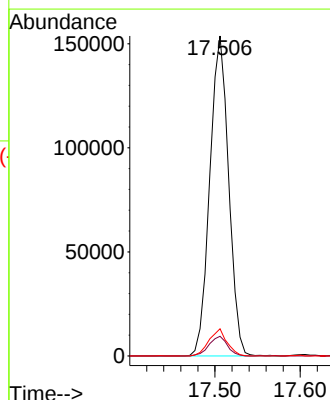


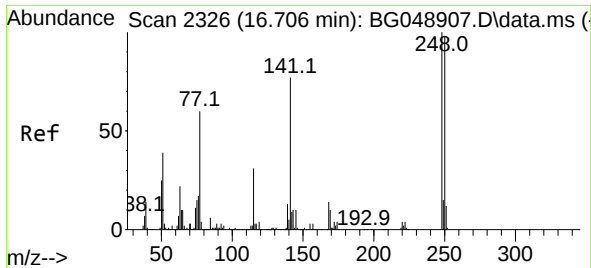
Tgt Ion:165 Resp: 13050  
Ion Ratio Lower Upper  
165 100  
63 3.0 48.0 72.0#  
89 3.9 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.506 min Scan# 2462  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:188 Resp: 235752  
Ion Ratio Lower Upper  
188 100  
94 6.2 5.4 8.0  
80 8.5 3.7 5.5#

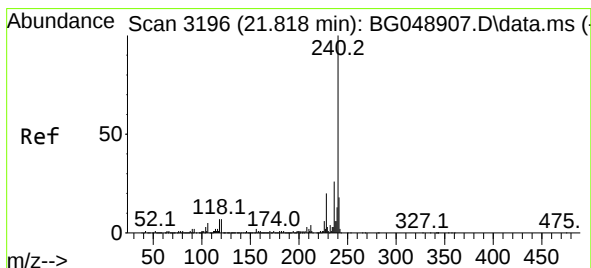
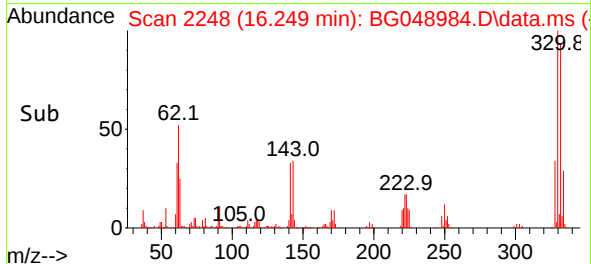
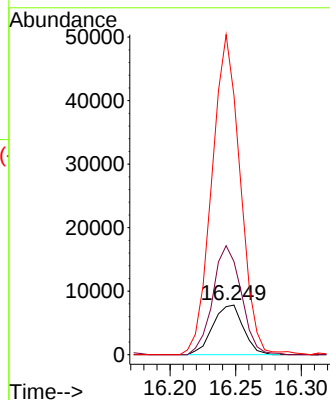
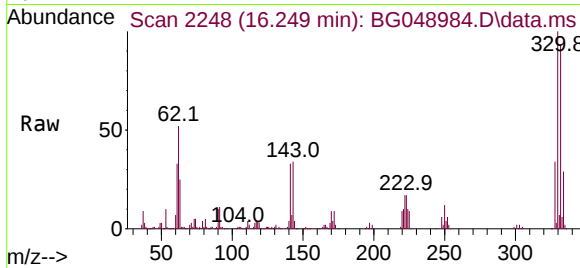




#67  
4-Bromophenyl-phenylether  
Concen: 4.28 ng  
RT: 16.249 min Scan# 2248  
Delta R.T. -0.458 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

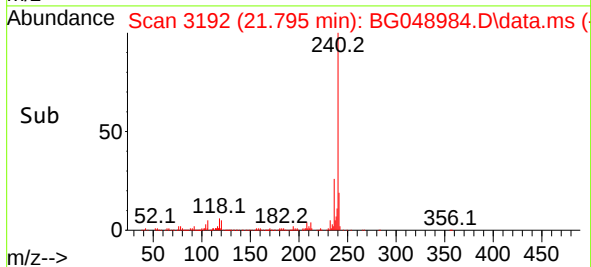
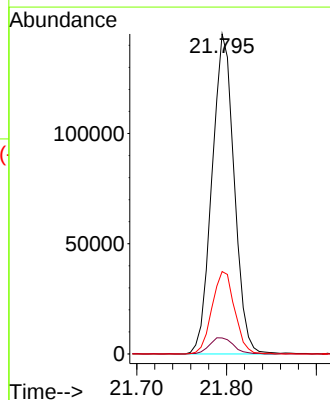
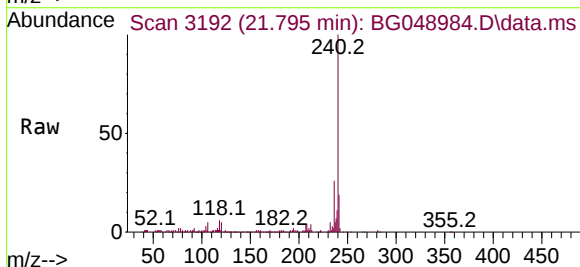
Instrument :  
BNA\_G  
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17-B6(76-80)

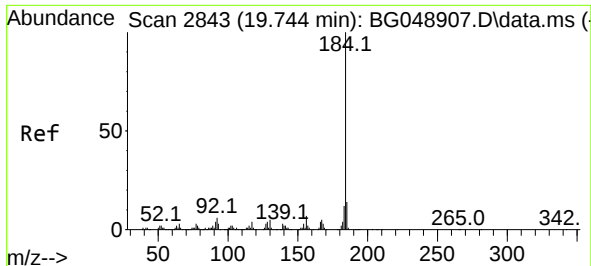
Tgt Ion:248 Resp: 12589  
Ion Ratio Lower Upper  
248 100  
250 187.5 76.1 114.1#  
141 521.9 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.795 min Scan# 3192  
Delta R.T. -0.023 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:240 Resp: 249091  
Ion Ratio Lower Upper  
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120 5.0 4.2 6.2  
236 25.7 21.8 32.6

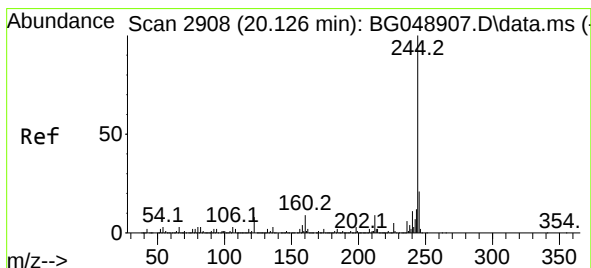
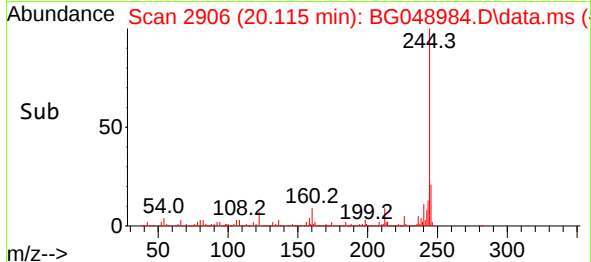
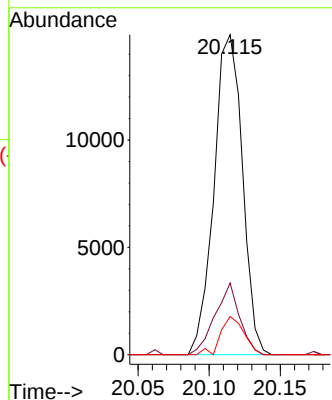
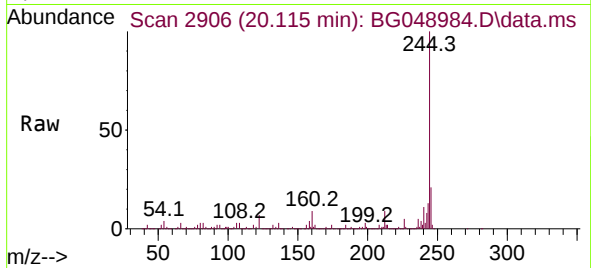




#77  
Benzidine  
Concen: 4.13 ng  
RT: 20.115 min Scan# 2906  
Delta R.T. 0.371 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

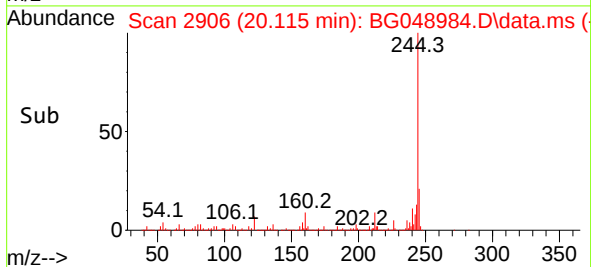
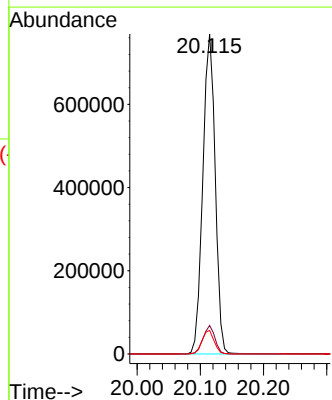
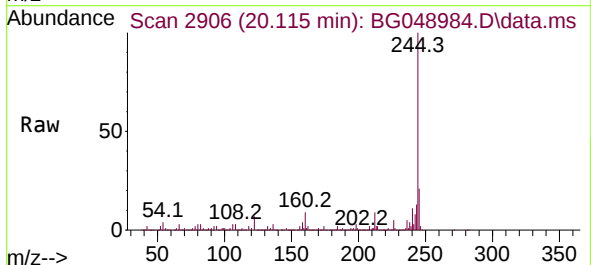
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

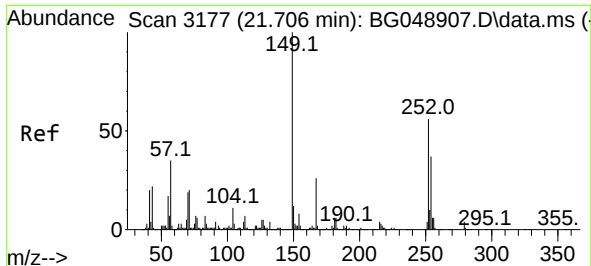
Tgt Ion:184 Resp: 20708  
Ion Ratio Lower Upper  
184 100  
185 22.4 10.7 16.1#  
183 11.9 9.4 14.0



#79  
Terphenyl-d14  
Concen: 76.88 ng  
RT: 20.115 min Scan# 2906  
Delta R.T. -0.011 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:244 Resp: 1045629  
Ion Ratio Lower Upper  
244 100  
212 8.9 6.9 10.3  
122 7.3 5.0 7.6

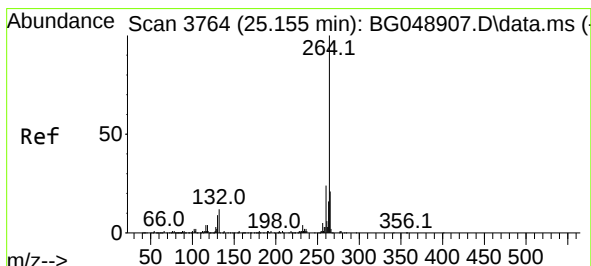
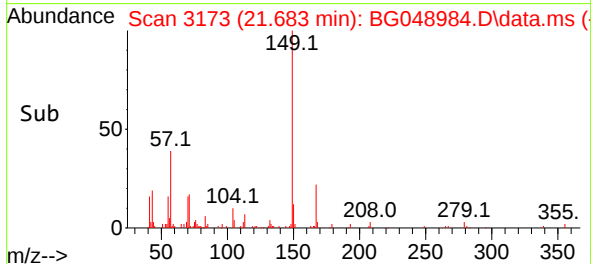
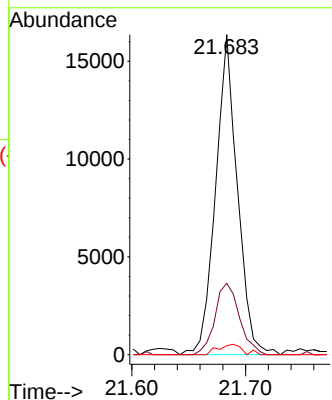
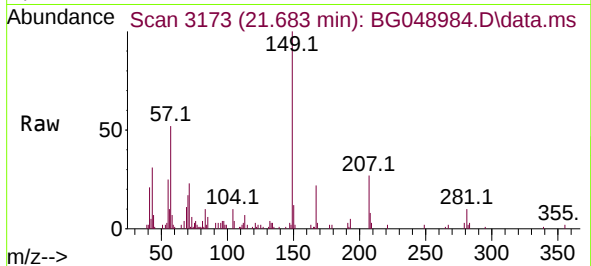




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.24 ng  
RT: 21.683 min Scan# 3173  
Delta R.T. -0.023 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(76-80)

Tgt Ion:149 Resp: 21773  
Ion Ratio Lower Upper  
149 100  
167 22.3 22.3 33.5#  
279 2.8 3.8 5.8#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.126 min Scan# 3759  
Delta R.T. -0.029 min  
Lab File: BG048984.D  
Acq: 15 Jun 2021 19:23

Tgt Ion:264 Resp: 264948  
Ion Ratio Lower Upper  
264 100  
260 22.5 19.4 29.2  
265 21.4 16.9 25.3

