

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061821\  
 Data File : BG049022.D  
 Acq On : 18 Jun 2021 16:31  
 Operator : CG/JU  
 Sample : M2687-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 17-B6(108-112)

Quant Time: Jun 18 17:06:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 16 12:04:50 2021  
 Response via : Initial Calibration

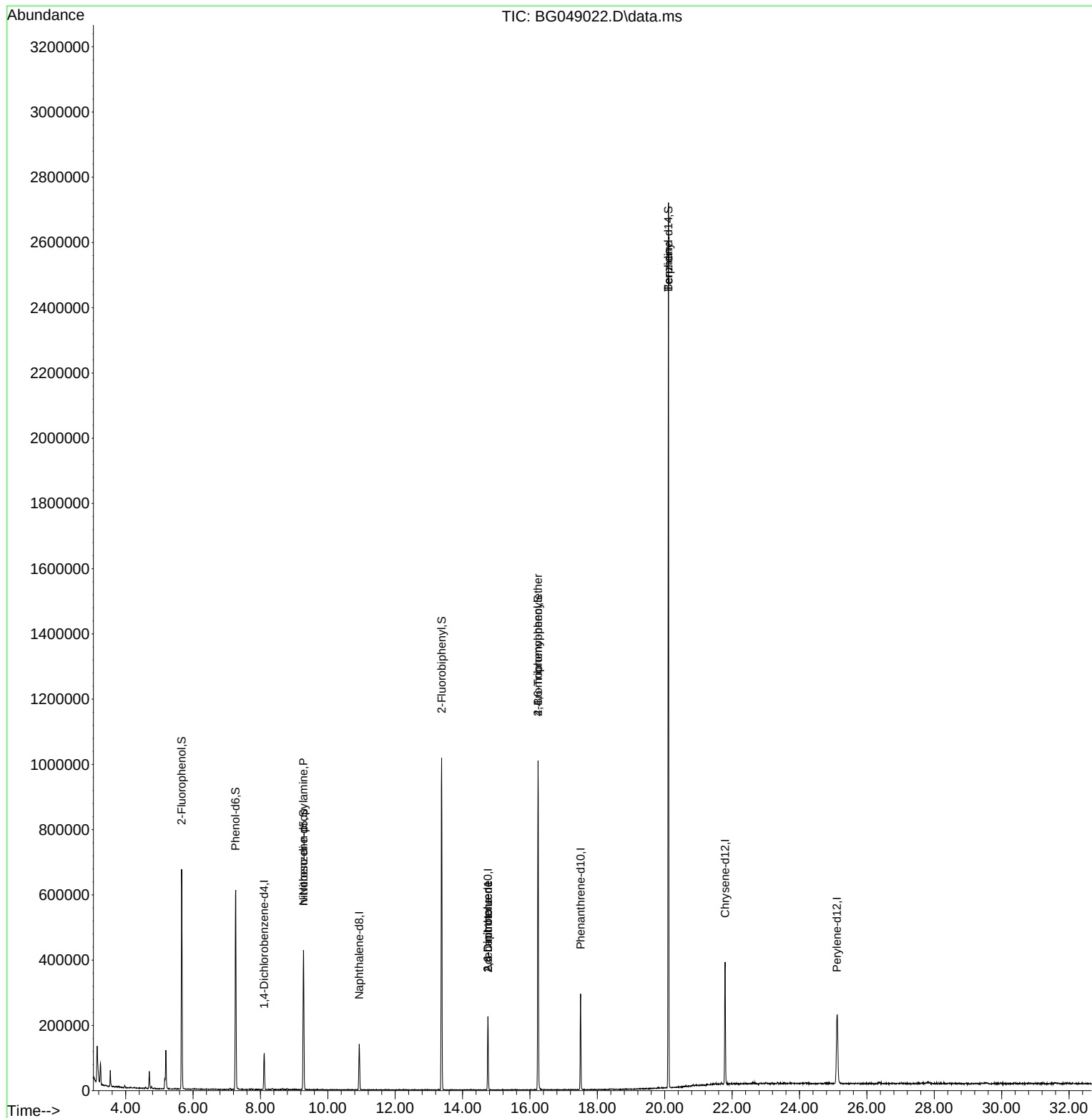
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.114  | 152  | 28229    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.934 | 136  | 110679   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.753 | 164  | 77220    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.503 | 188  | 192038   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.792 | 240  | 240833   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.111 | 264  | 251582   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.664  | 112  | 250805   | 138.306 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.262  | 99   | 312000   | 114.792 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.277  | 82   | 253380   | 98.715  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.239 | 330  | 190045   | 166.114 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.378 | 172  | 529257   | 96.822  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.111 | 244  | 1247252  | 94.847  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.277  | 70   | 38371    | 18.061  | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.753 | 165  | 10078    | 8.227   | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 14.753 | 165  | 10078    | 6.698   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.239 | 248  | 11312    | 4.718   | ng    | # 1      |
| 77) Benzidine                 | 20.111 | 184  | 23984    | 4.944   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

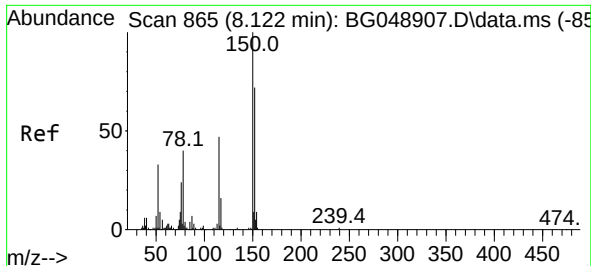
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061821\  
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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 : Wed Jun 16 12:04:50 2021  
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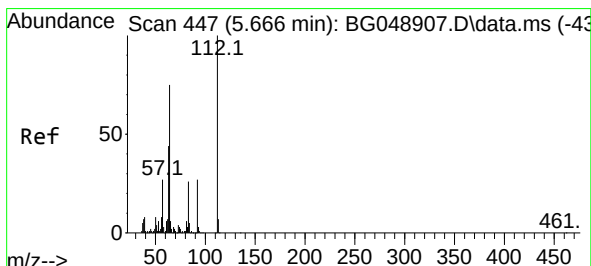
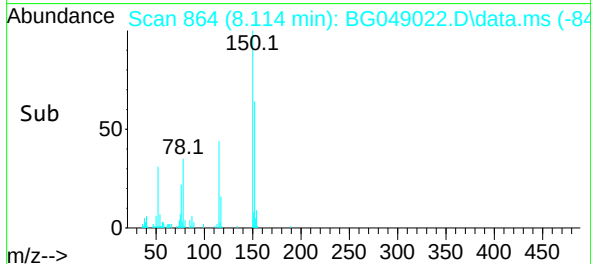
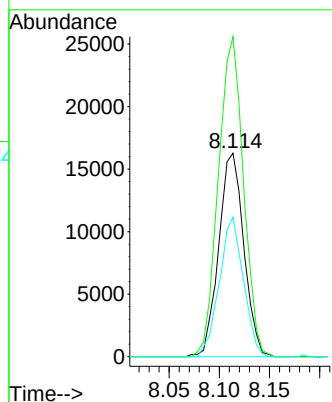
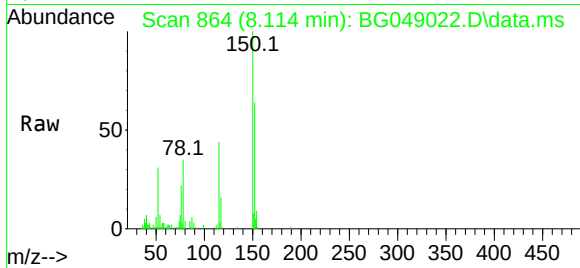




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.114 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

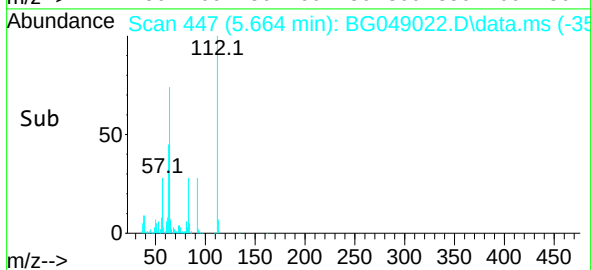
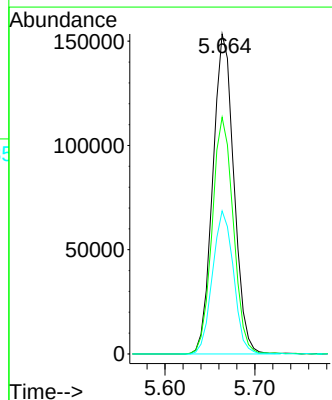
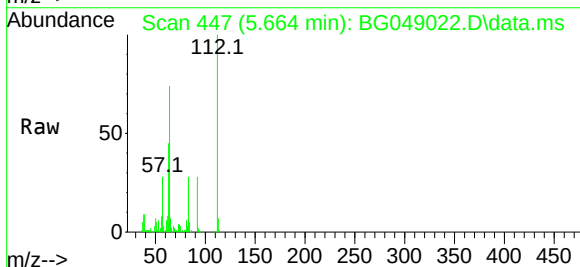
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

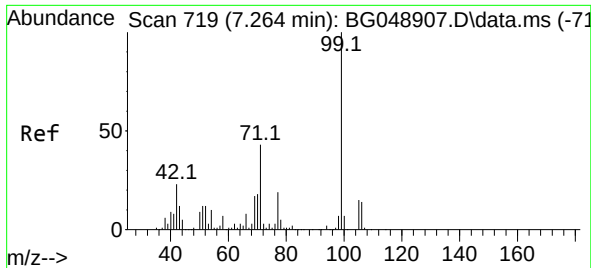
Tgt Ion:152 Resp: 28229  
Ion Ratio Lower Upper  
152 100  
150 157.3 119.4 179.0  
115 68.5 60.2 90.4



#5  
2-Fluorophenol  
Concen: 138.306 ng  
RT: 5.664 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion:112 Resp: 250805  
Ion Ratio Lower Upper  
112 100  
64 73.9 46.7 70.1#  
63 44.7 35.3 52.9

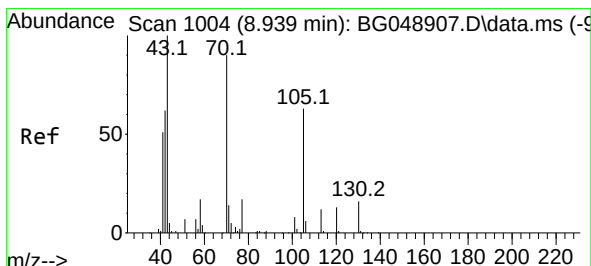
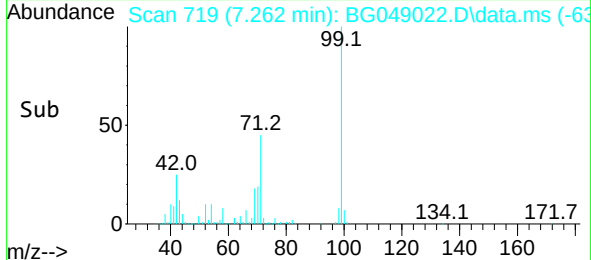
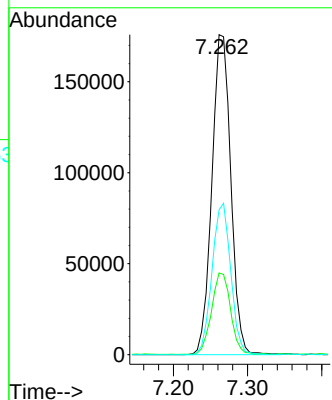
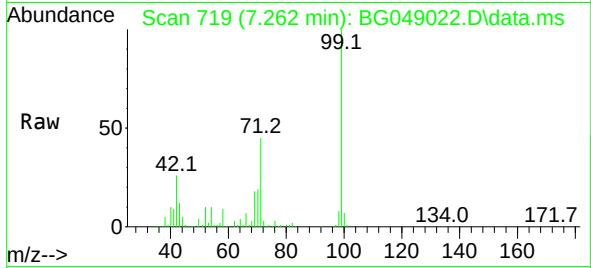




#7  
Phenol-d6  
Concen: 114.792 ng  
RT: 7.262 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

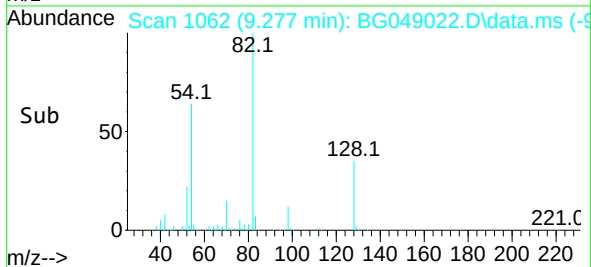
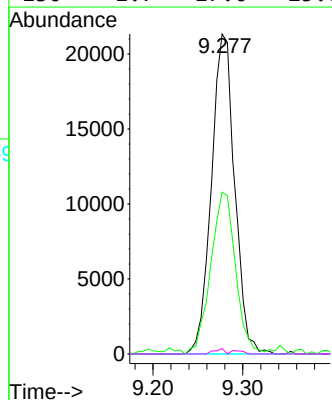
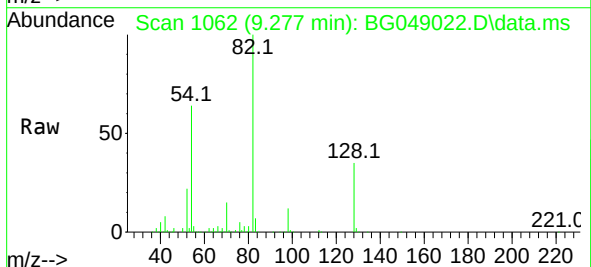
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

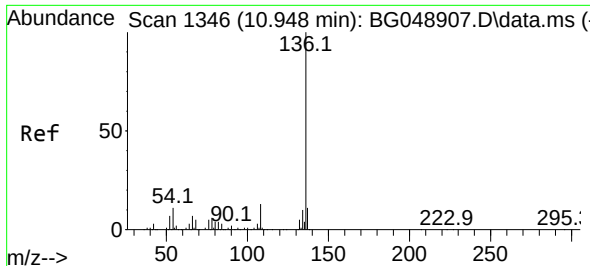
Tgt Ion: 99 Resp: 312000  
Ion Ratio Lower Upper  
99 100  
42 25.6 20.5 30.7  
71 45.2 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.061 ng  
RT: 9.277 min Scan# 1062  
Delta R.T. 0.353 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion: 70 Resp: 38371  
Ion Ratio Lower Upper  
70 100  
42 50.6 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.7 17.0 25.6#

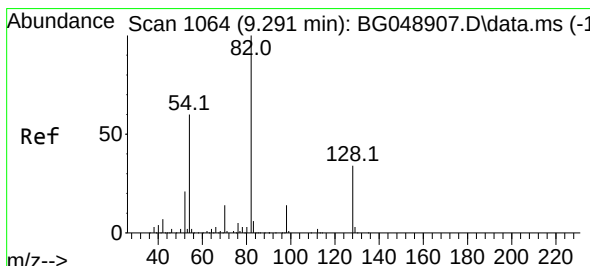
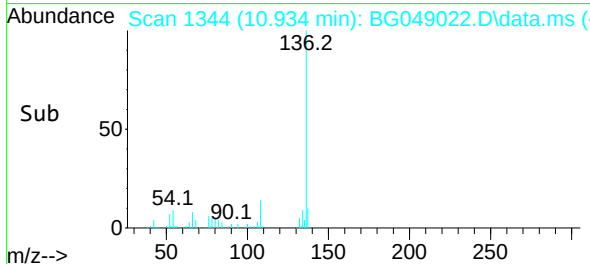
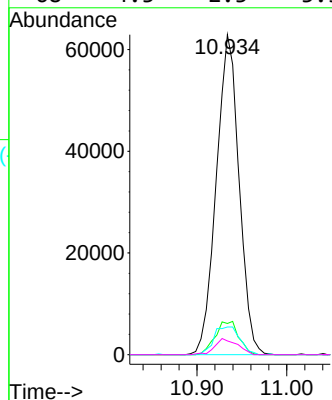
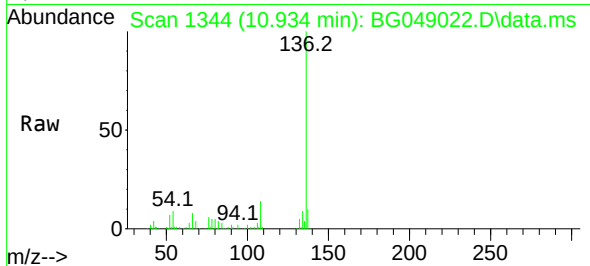




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.934 min Scan# 1344  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

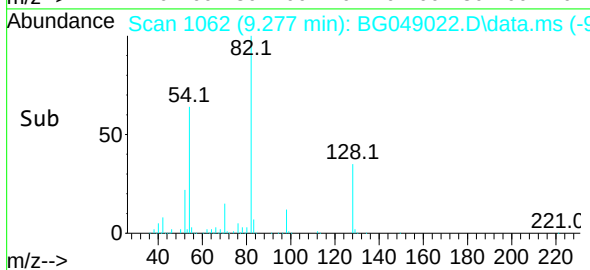
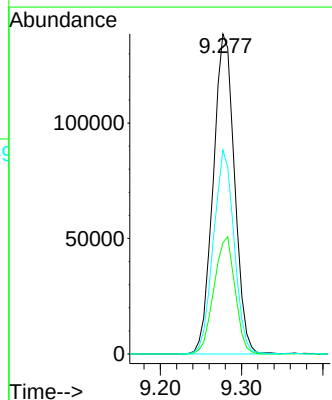
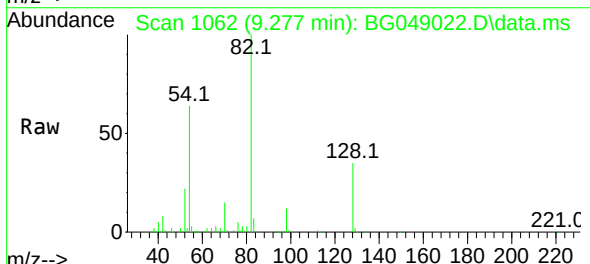
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

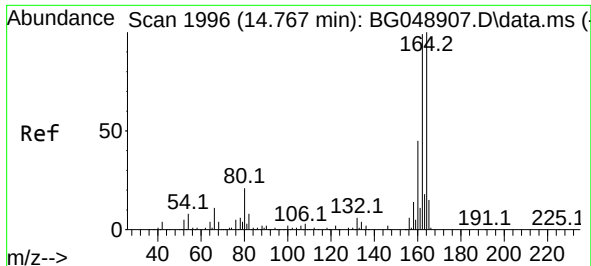
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 110679   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 9.7   | 8.2 12.2 |
| 54          | 8.6   | 5.5 8.3# |
| 68          | 4.3   | 2.3 3.5# |



#23  
Nitrobenzene-d5  
Concen: 98.715 ng  
RT: 9.277 min Scan# 1062  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 253380    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 34.8  | 29.8 44.6 |
| 54          | 63.7  | 45.8 68.8 |

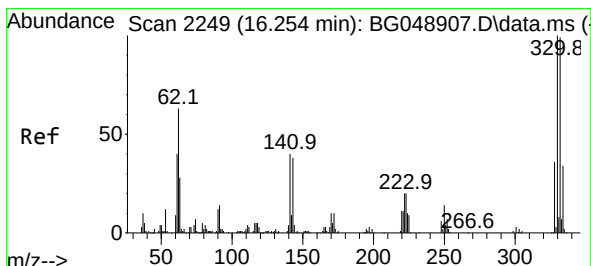
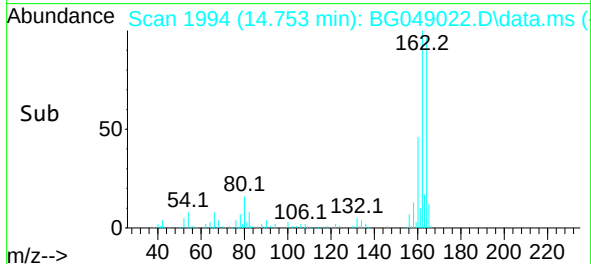
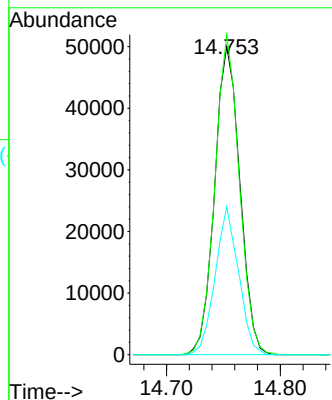
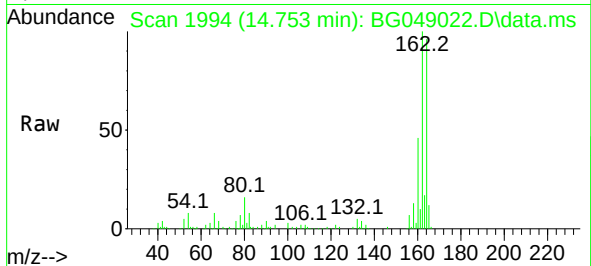




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.753 min Scan# 1994  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

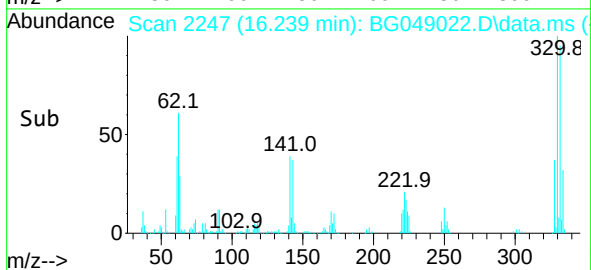
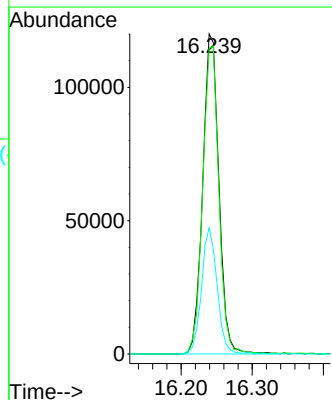
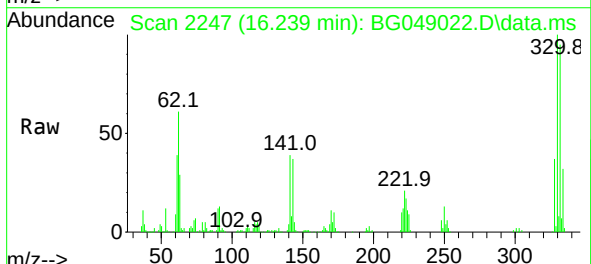
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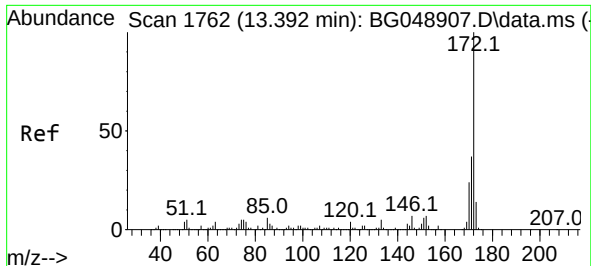
Tgt Ion:164 Resp: 77220  
Ion Ratio Lower Upper  
164 100  
162 103.9 81.4 122.0  
160 48.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 166.114 ng  
RT: 16.239 min Scan# 2247  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion:330 Resp: 190045  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.3 115.9  
141 37.9 35.6 53.4

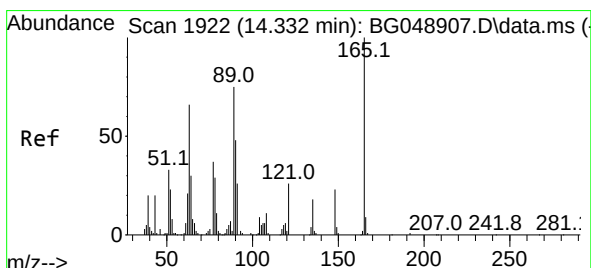
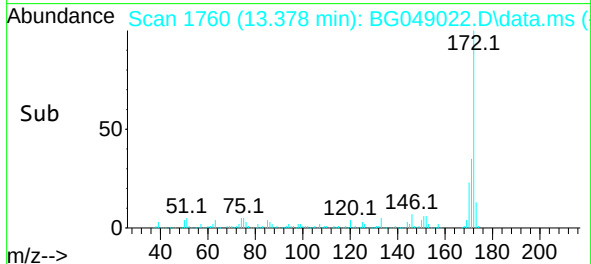
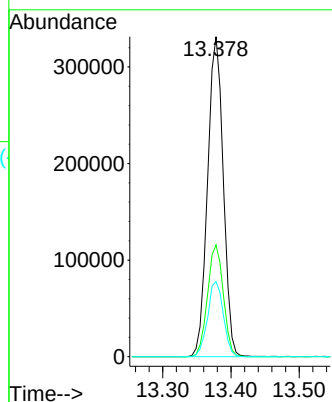
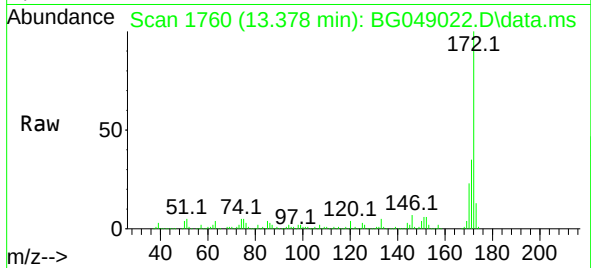




#45  
2-Fluorobiphenyl  
Concen: 96.822 ng  
RT: 13.378 min Scan# 1760  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

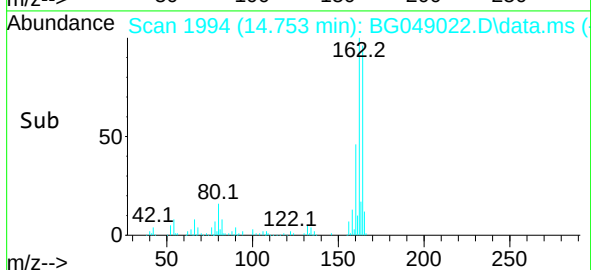
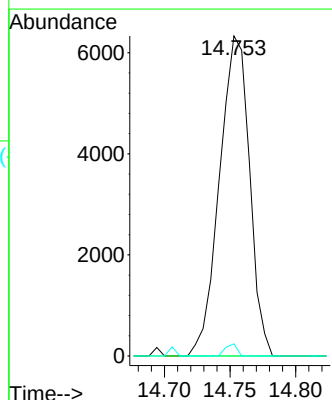
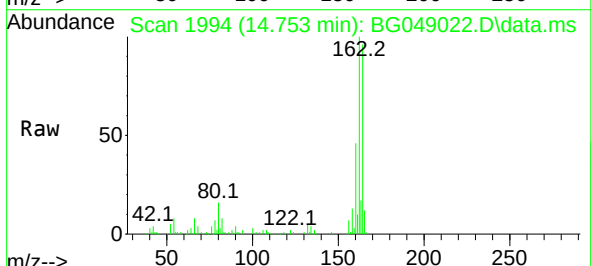
Instrument :  
BNA\_G  
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17-B6(108-112)

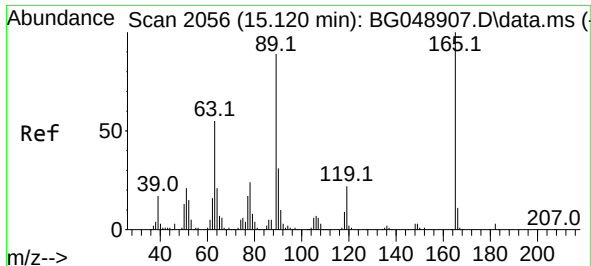
Tgt Ion:172 Resp: 529257  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 43.0  
170 23.5 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.227 ng  
RT: 14.753 min Scan# 1994  
Delta R.T. 0.429 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion:165 Resp: 10078  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 3.8 63.4 95.0#

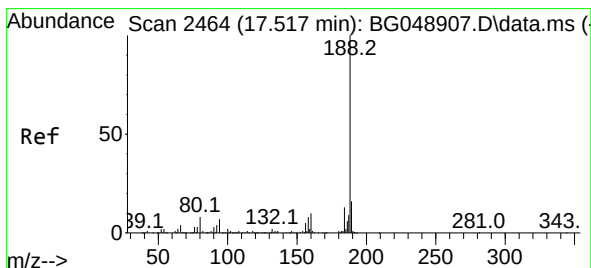
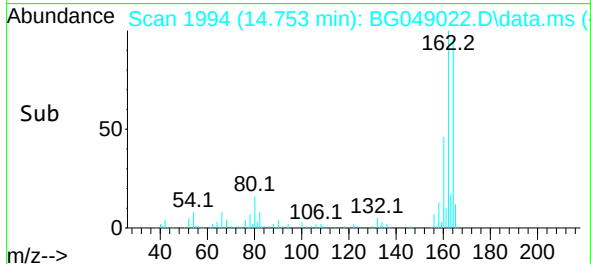
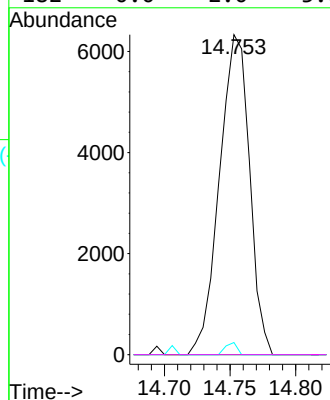
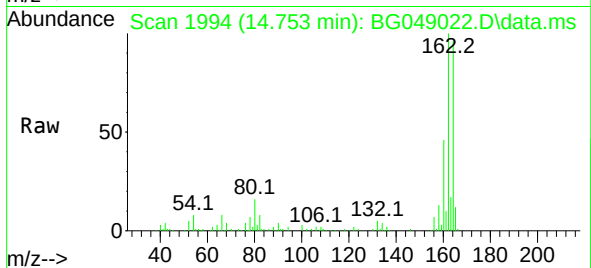




#57  
2,4-Dinitrotoluene  
Concen: 6.698 ng  
RT: 14.753 min Scan# 1994  
Delta R.T. -0.358 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

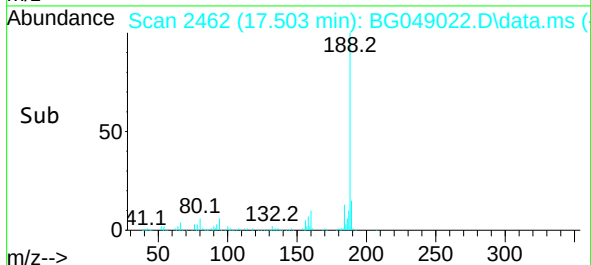
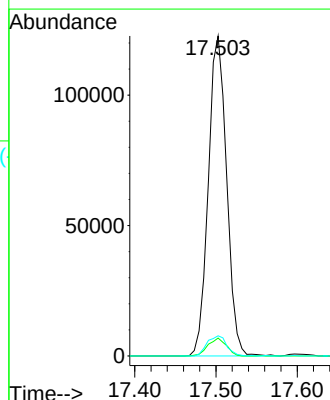
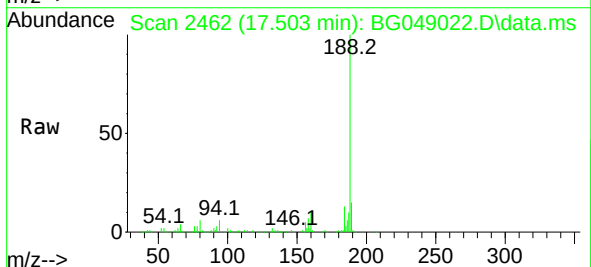
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

Tgt Ion:165 Resp: 10078  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 3.8 65.4 98.0#  
182 0.0 2.0 3.0#

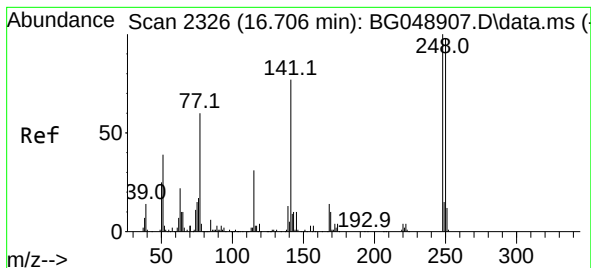


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.503 min Scan# 2462  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion:188 Resp: 192038  
Ion Ratio Lower Upper  
188 100  
94 5.6 5.4 8.0  
80 6.3 3.7 5.5#



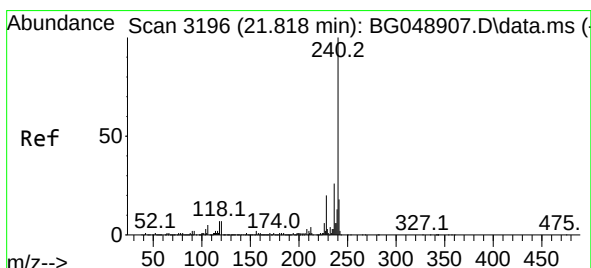
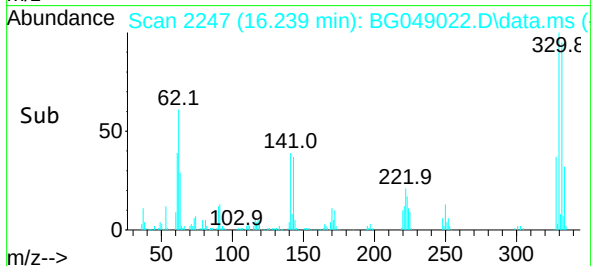
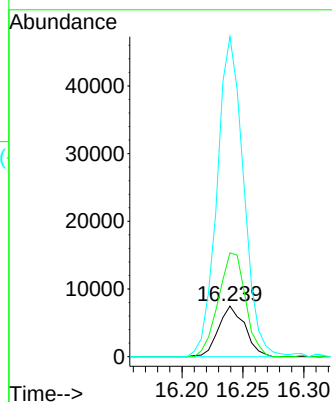
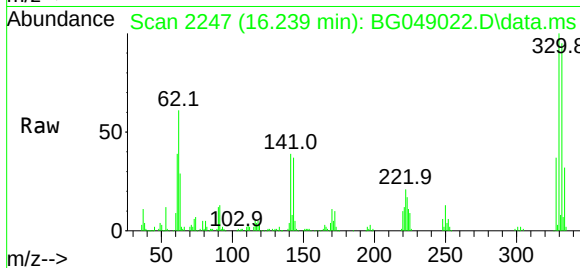




#67  
4-Bromophenyl-phenylether  
Concen: 4.718 ng  
RT: 16.239 min Scan# 2247  
Delta R.T. -0.452 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

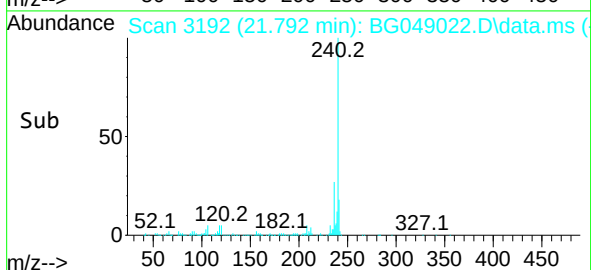
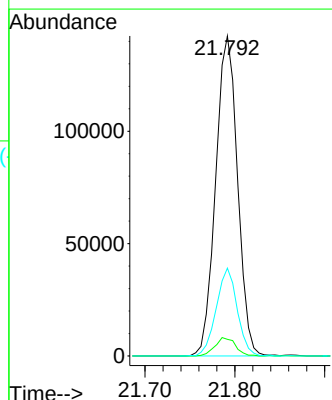
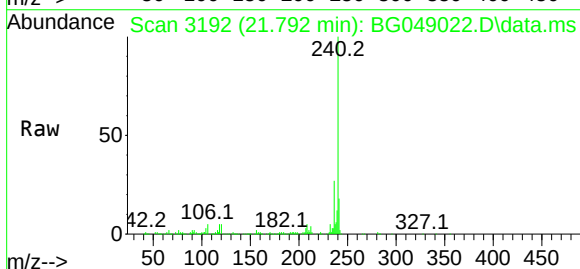
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

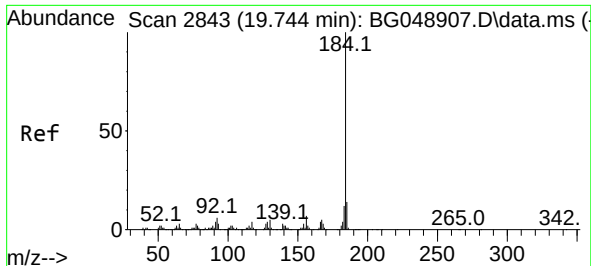
Tgt Ion:248 Resp: 11312  
Ion Ratio Lower Upper  
248 100  
250 205.5 76.1 114.1#  
141 633.2 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.792 min Scan# 3192  
Delta R.T. -0.006 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

Tgt Ion:240 Resp: 240833  
Ion Ratio Lower Upper  
240 100  
120 5.2 4.2 6.2  
236 27.4 21.8 32.6

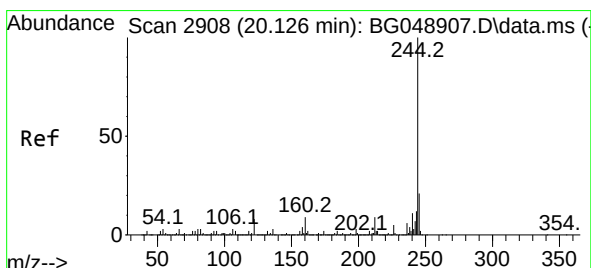
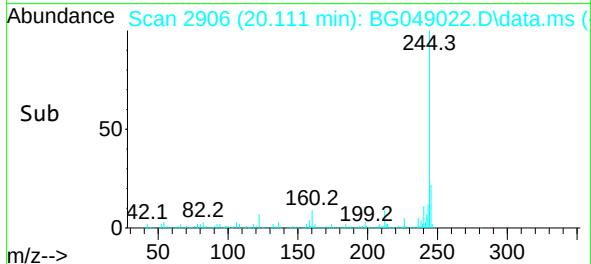
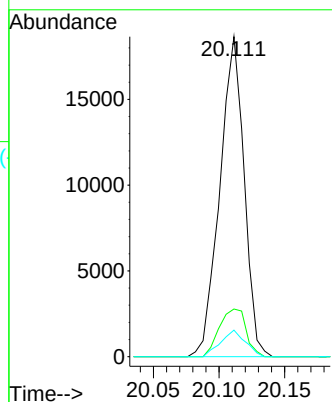
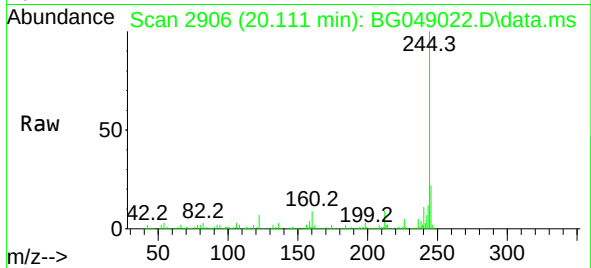




#77  
Benzidine  
Concen: 4.944 ng  
RT: 20.111 min Scan# 2906  
Delta R.T. 0.382 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

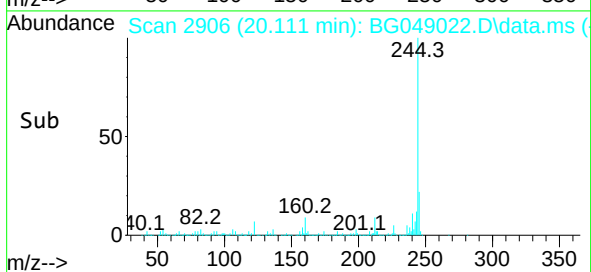
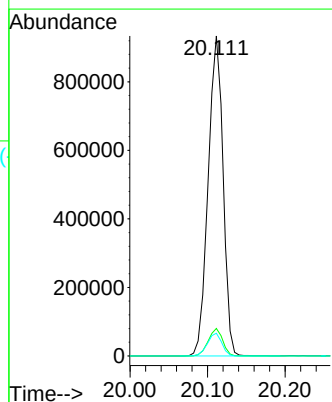
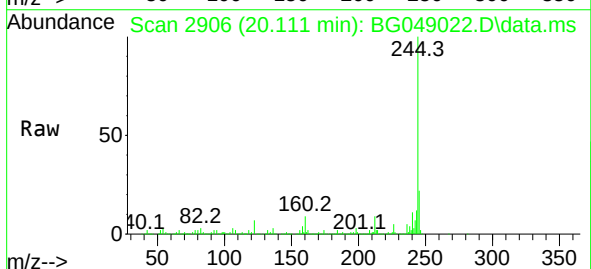
Instrument :  
BNA\_G  
ClientSampleId :  
17-B6(108-112)

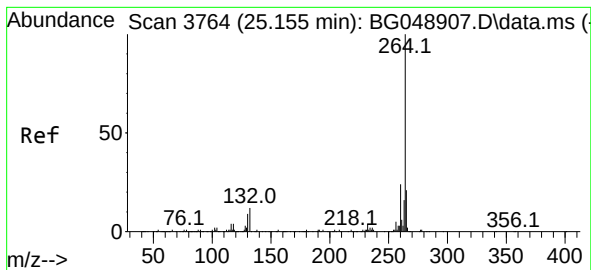
Tgt Ion:184 Resp: 23984  
Ion Ratio Lower Upper  
184 100  
185 14.9 10.7 16.1  
183 8.3 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 94.847 ng  
RT: 20.111 min Scan# 2906  
Delta R.T. 0.000 min  
Lab File: BG049022.D  
Acq: 18 Jun 2021 16:31

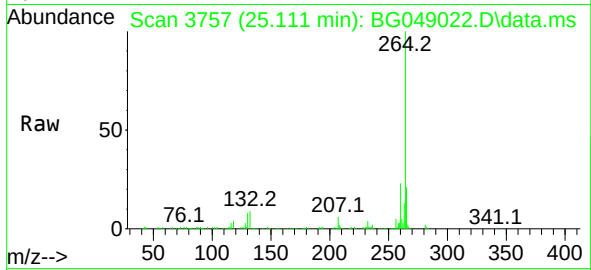
Tgt Ion:244 Resp: 1247252  
Ion Ratio Lower Upper  
244 100  
212 8.6 6.9 10.3  
122 7.1 5.0 7.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.111 min Scan# 3757  
 Delta R.T. -0.018 min  
 Lab File: BG049022.D  
 Acq: 18 Jun 2021 16:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 17-B6(108-112)



Tgt Ion:264 Resp: 251582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 19.4  | 29.2  |
| 265 | 20.5  | 16.9  | 25.3  |

