

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070221\  
 Data File : BG049167.D  
 Acq On : 2 Jul 2021 14:37  
 Operator : CG/JU  
 Sample : PB137489BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB137489BL

Quant Time: Jul 02 15:15:46 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 30 15:39:12 2021  
 Response via : Initial Calibration

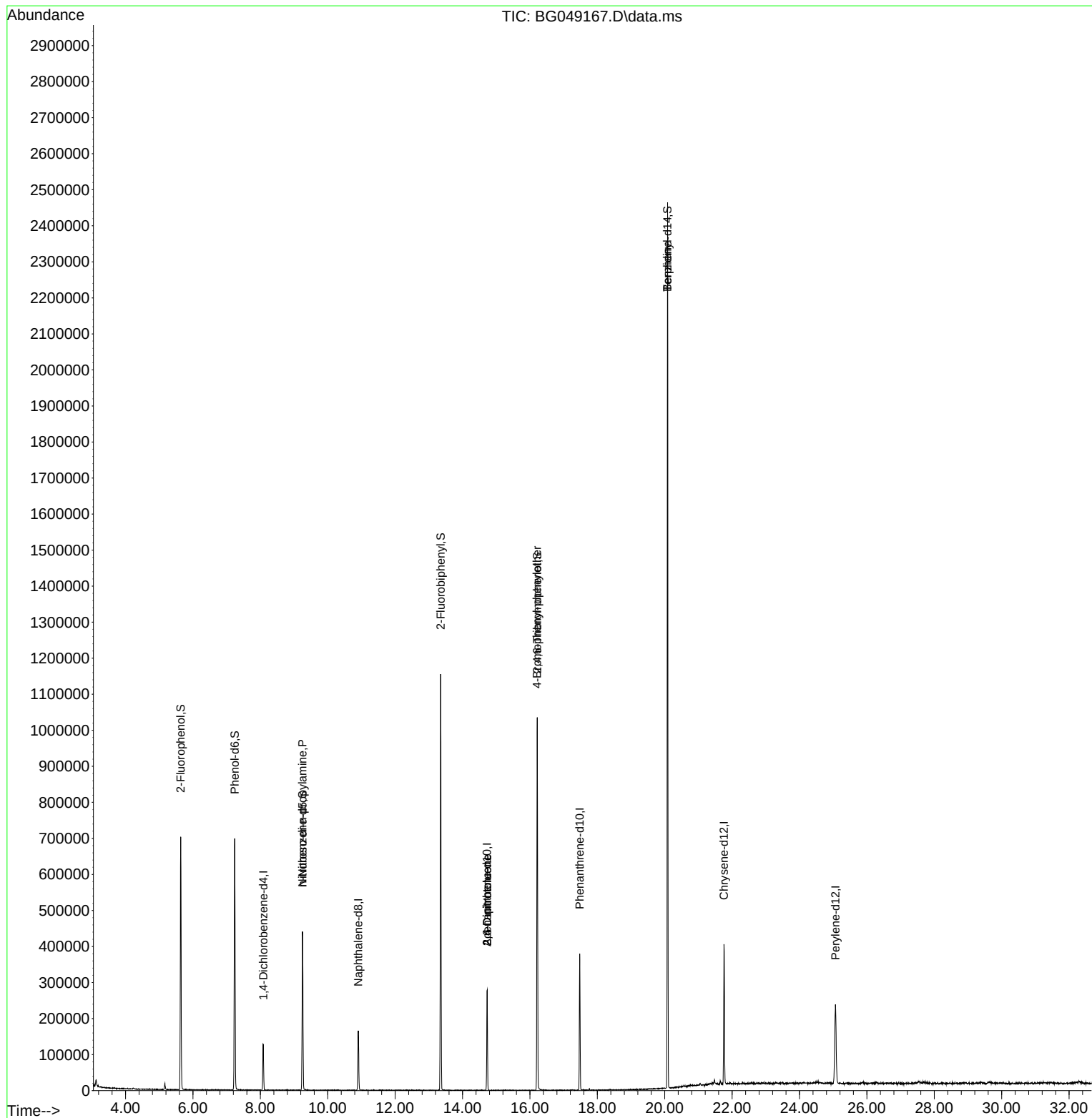
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152  | 33745    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.907 | 136  | 139169   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.726 | 164  | 102553   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.476 | 188  | 242664   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.759 | 240  | 246025   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.067 | 264  | 253639   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.637  | 112  | 280309   | 130.106 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.241  | 99   | 365101   | 118.861 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.250  | 82   | 263094   | 80.151  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.219 | 330  | 216594   | 121.833 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.351 | 172  | 586284   | 77.129  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.085 | 244  | 1147656  | 79.046  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.250  | 70   | 39295    | 17.801  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.732 | 165  | 13706    | 7.264   | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 14.732 | 165  | 13706    | 5.114   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.213 | 248  | 13255    | 4.049   | ng    | # 1      |
| 77) Benzidine                 | 20.085 | 184  | 21044    | 3.982   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

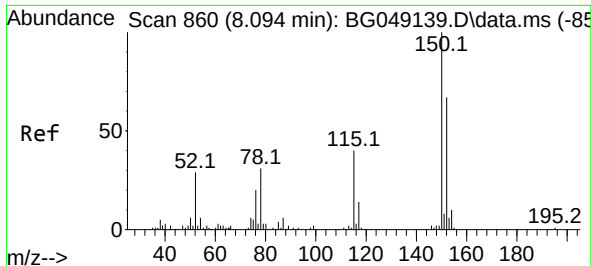
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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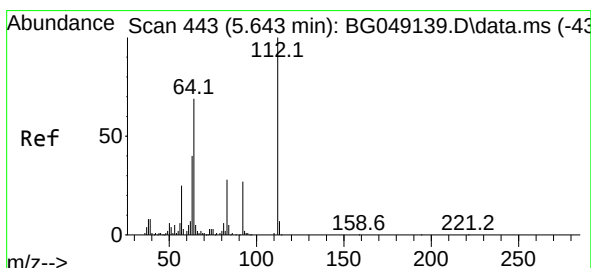
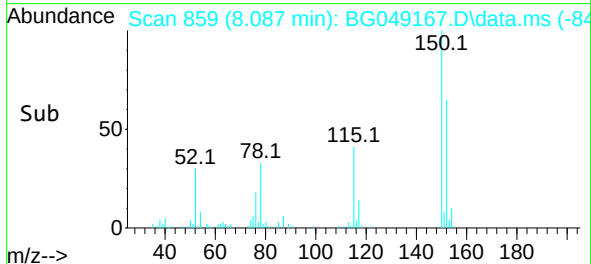
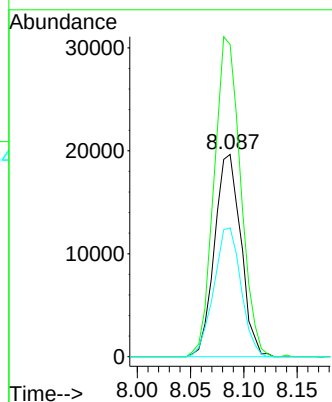
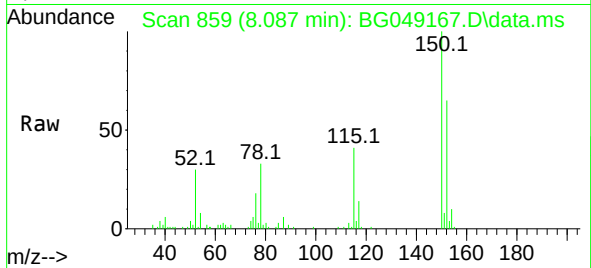




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.087 min Scan# 859  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

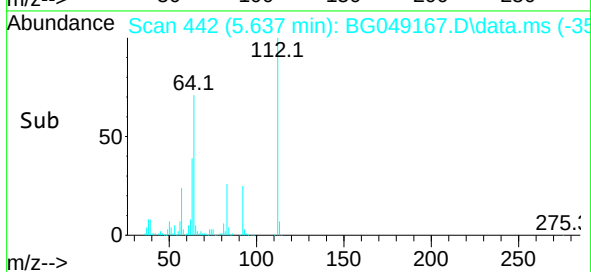
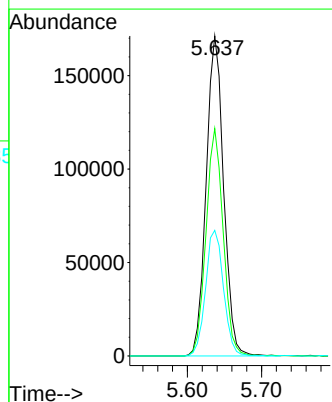
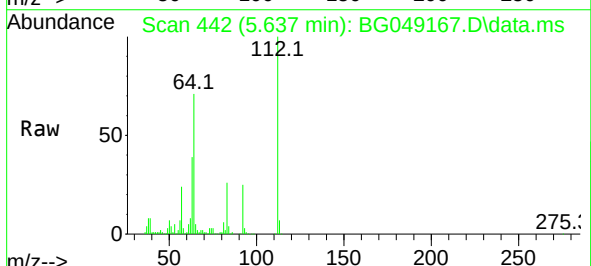
Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

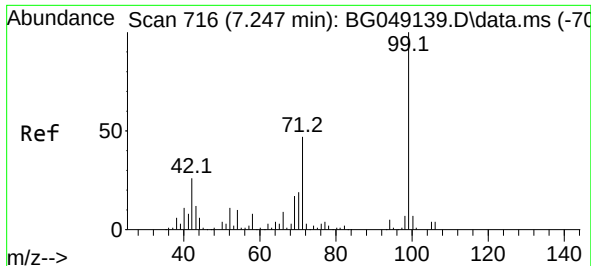
Tgt Ion:152 Resp: 33745  
Ion Ratio Lower Upper  
152 100  
150 154.3 119.4 179.0  
115 63.7 60.2 90.4



#5  
2-Fluorophenol  
Concen: 130.106 ng  
RT: 5.637 min Scan# 442  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Tgt Ion:112 Resp: 280309  
Ion Ratio Lower Upper  
112 100  
64 71.0 46.7 70.1#  
63 39.3 35.3 52.9

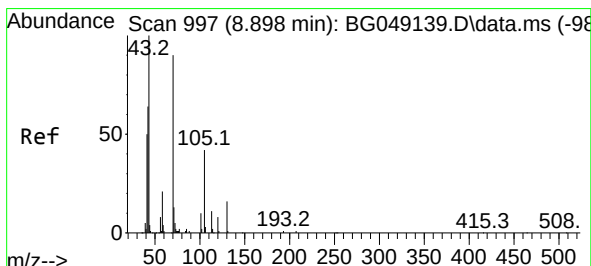
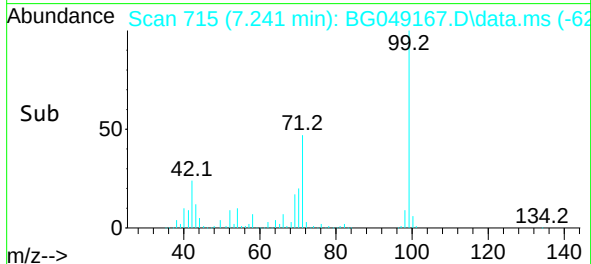
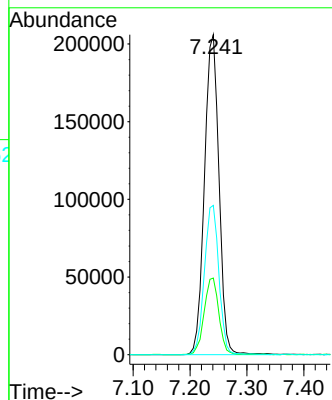
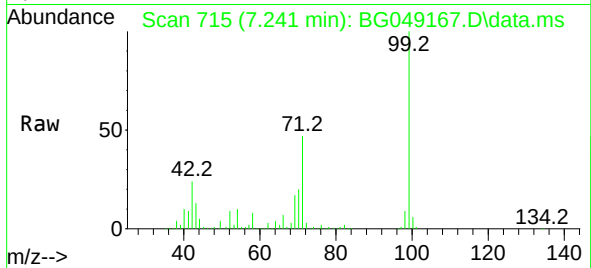




#7  
Phenol-d6  
Concen: 118.861 ng  
RT: 7.241 min Scan# 715  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

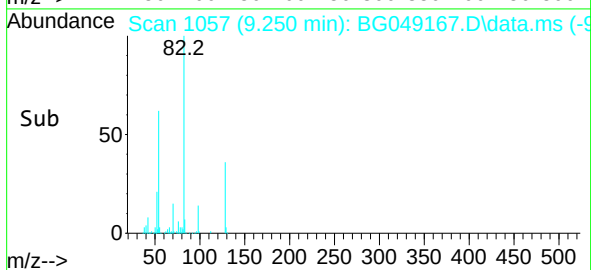
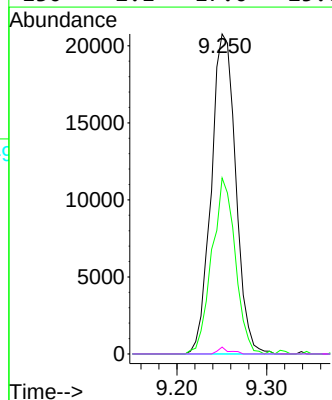
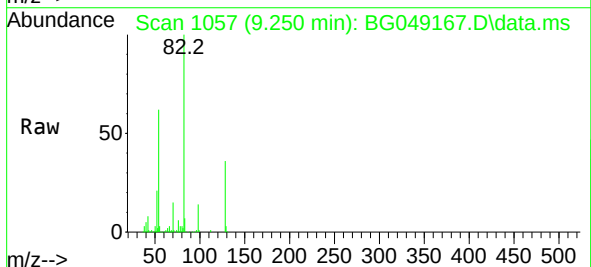
Instrument :  
BNA\_G  
ClientSampleId :  
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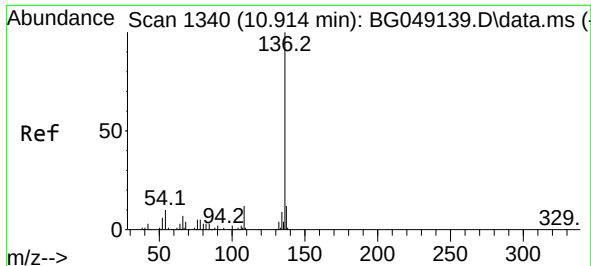
Tgt Ion: 99 Resp: 365101  
Ion Ratio Lower Upper  
99 100  
42 24.0 20.5 30.7  
71 46.7 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.801 ng  
RT: 9.250 min Scan# 1057  
Delta R.T. 0.352 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Tgt Ion: 70 Resp: 39295  
Ion Ratio Lower Upper  
70 100  
42 55.0 54.5 81.7  
101 0.0 9.0 13.6#  
130 2.1 17.0 25.6#

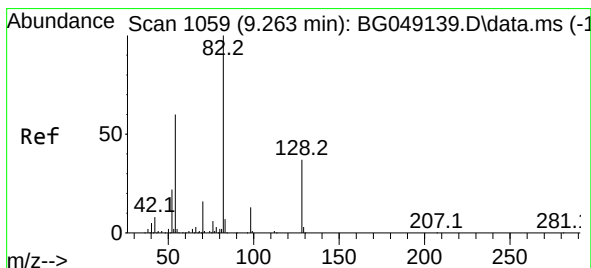
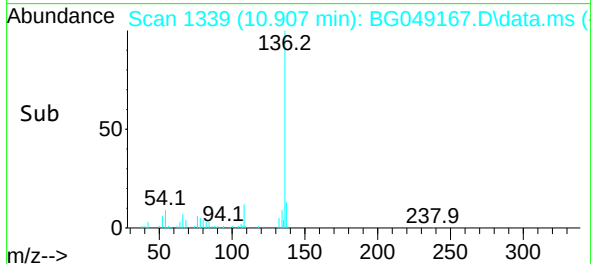
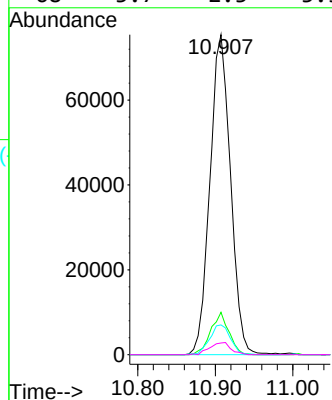
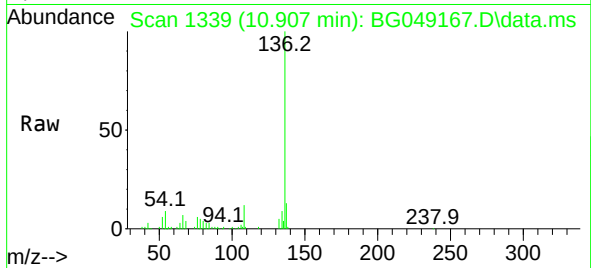




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.907 min Scan# 1339  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

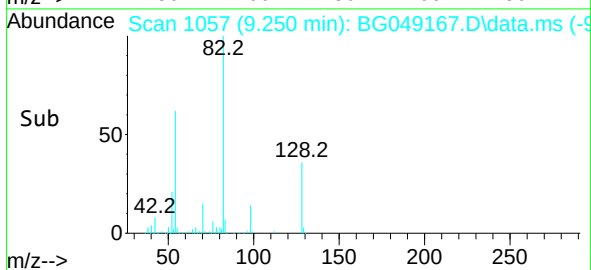
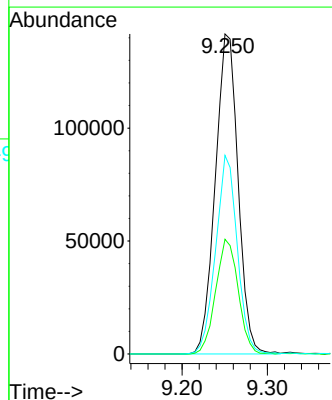
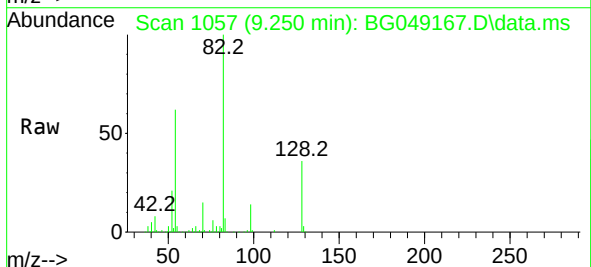
Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

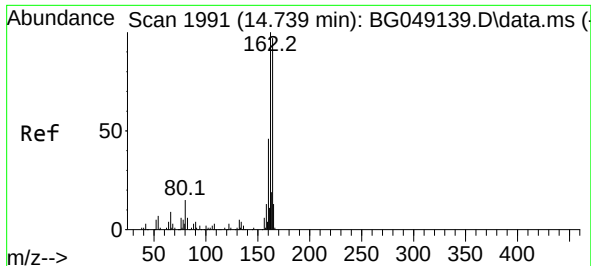
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 139169 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 13.2  | 8.2   | 12.2#  |
| 54        | 9.3   | 5.5   | 8.3#   |
| 68        | 3.7   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 80.151 ng  
RT: 9.250 min Scan# 1057  
Delta R.T. -0.012 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 263094 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.9  | 29.8  | 44.6   |
| 54        | 62.0  | 45.8  | 68.8   |

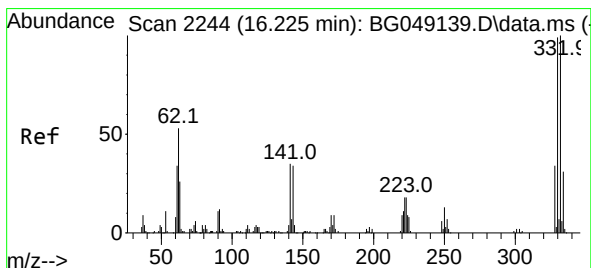
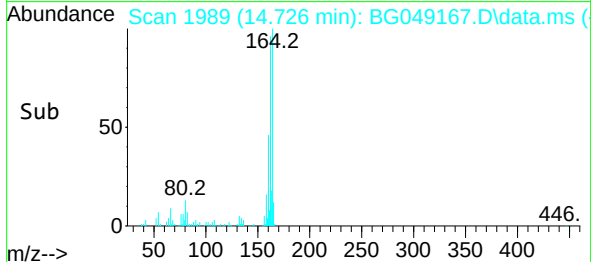
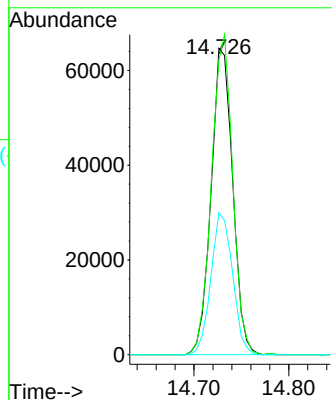
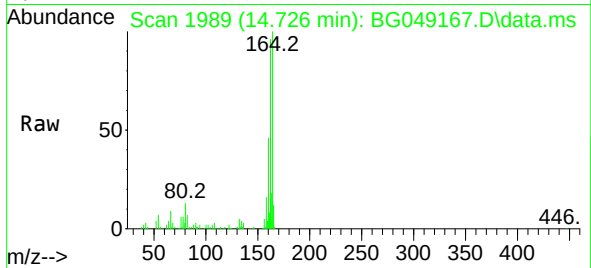




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.726 min Scan# 1989  
Delta R.T. -0.013 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

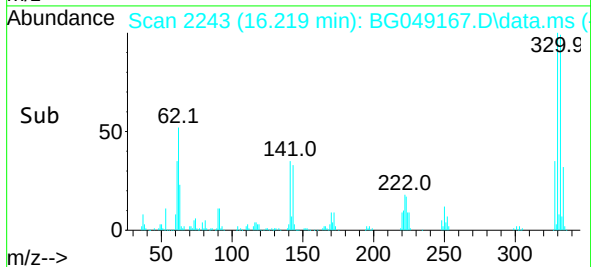
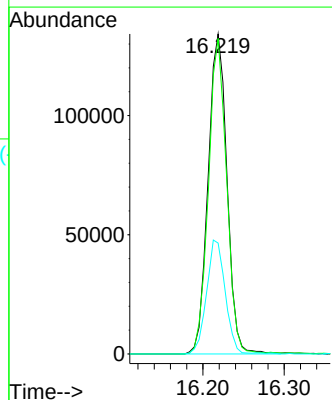
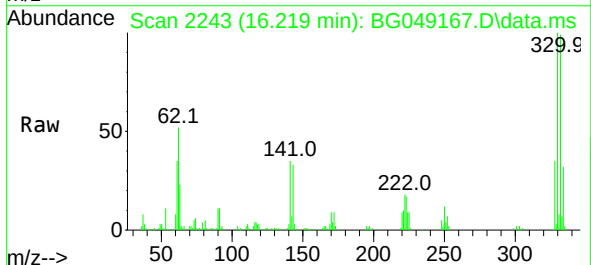
Instrument :  
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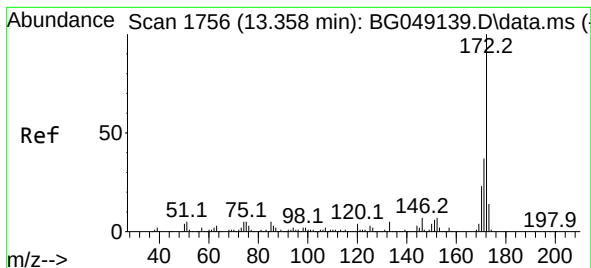
Tgt Ion:164 Resp: 102553  
Ion Ratio Lower Upper  
164 100  
162 96.2 81.4 122.0  
160 46.3 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 121.833 ng  
RT: 16.219 min Scan# 2243  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Tgt Ion:330 Resp: 216594  
Ion Ratio Lower Upper  
330 100  
332 94.7 77.3 115.9  
141 35.0 35.6 53.4#

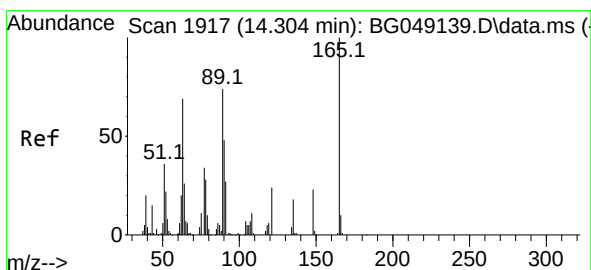
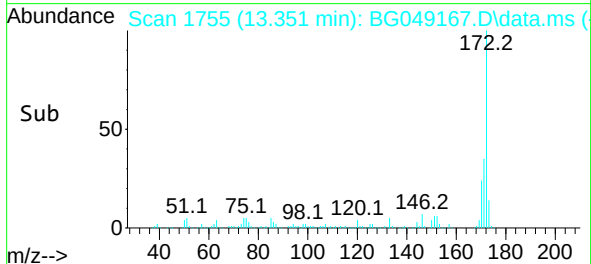
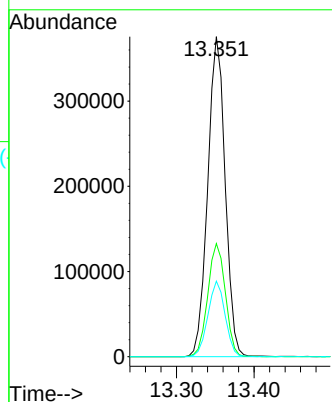
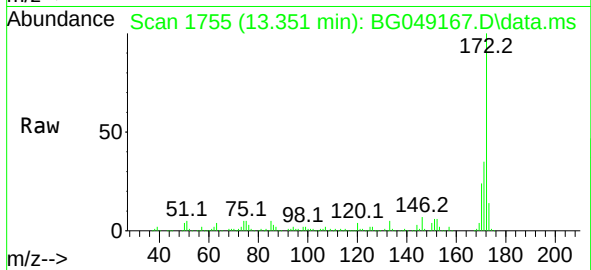




#45  
2-Fluorobiphenyl  
Concen: 77.129 ng  
RT: 13.351 min Scan# 1755  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

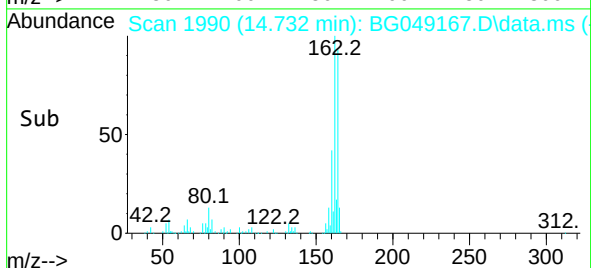
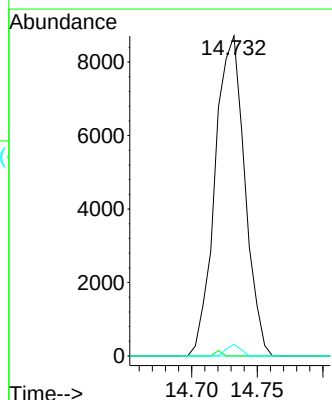
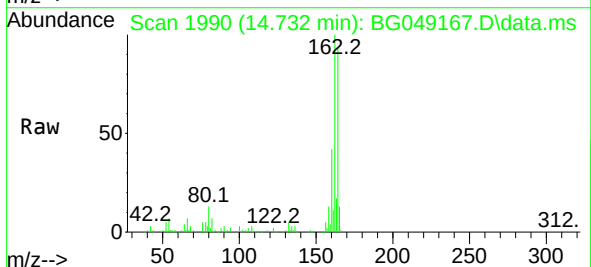
Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

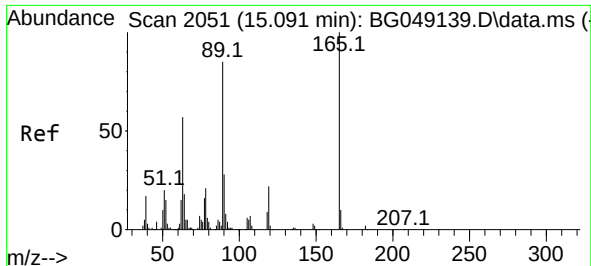
Tgt Ion:172 Resp: 586284  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.6 43.0  
170 23.6 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 7.264 ng  
RT: 14.732 min Scan# 1990  
Delta R.T. 0.428 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

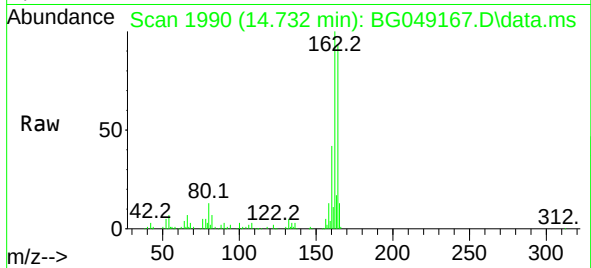
Tgt Ion:165 Resp: 13706  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 3.6 63.4 95.0#



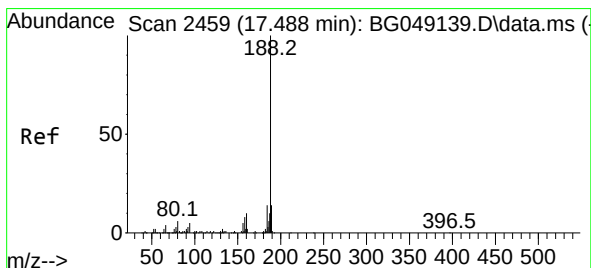
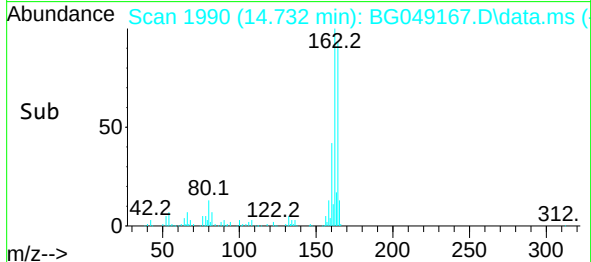
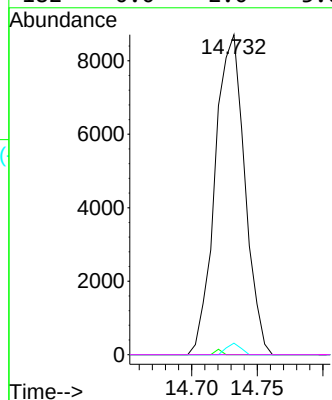


#57  
2,4-Dinitrotoluene  
Concen: 5.114 ng  
RT: 14.732 min Scan# 1990  
Delta R.T. -0.359 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

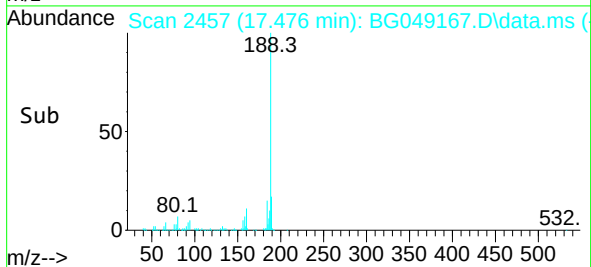
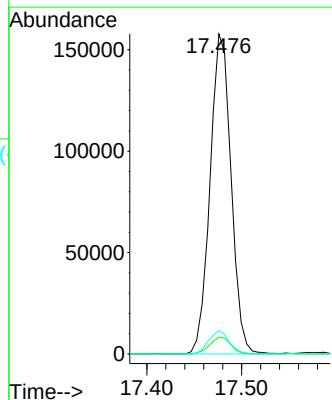
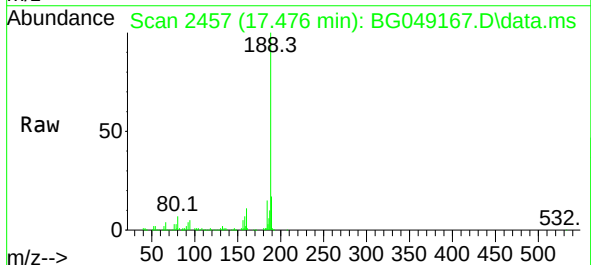


Tgt Ion:165 Resp: 13706  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 3.6 65.4 98.0#  
182 0.0 2.0 3.0#

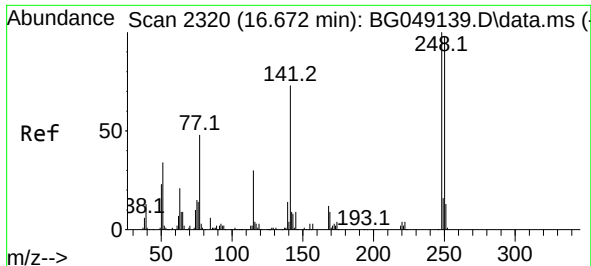


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.476 min Scan# 2457  
Delta R.T. -0.012 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Tgt Ion:188 Resp: 242664  
Ion Ratio Lower Upper  
188 100  
94 5.2 5.4 8.0#  
80 7.3 3.7 5.5#



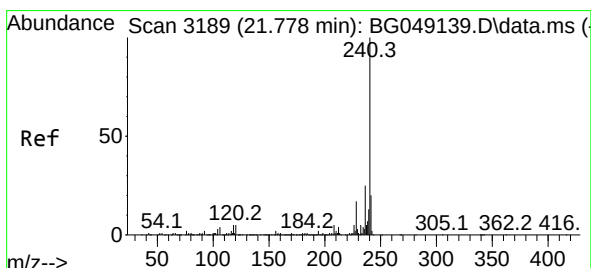
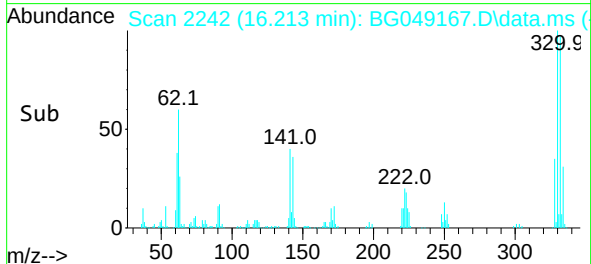
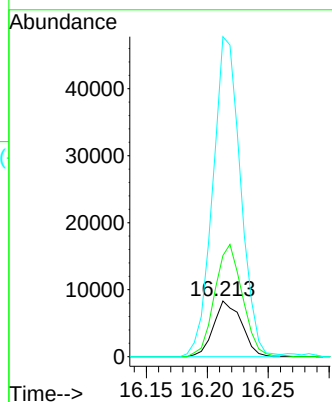
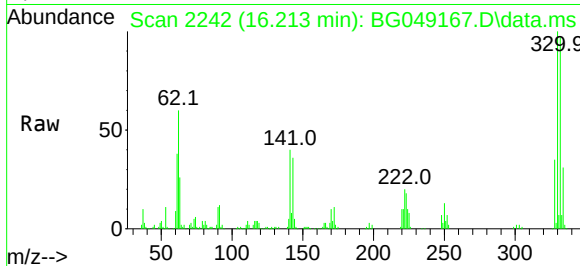




#67  
4-Bromophenyl-phenylether  
Concen: 4.049 ng  
RT: 16.213 min Scan# 2242  
Delta R.T. -0.459 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

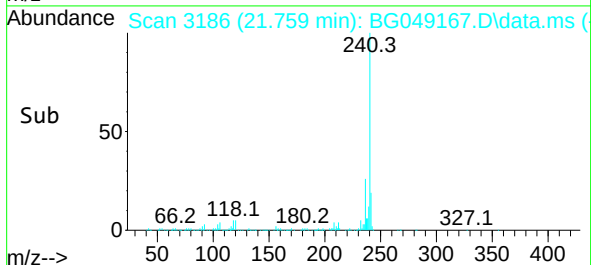
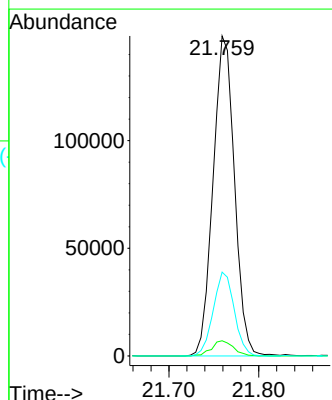
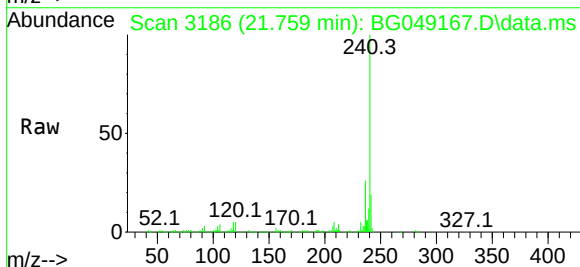
Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

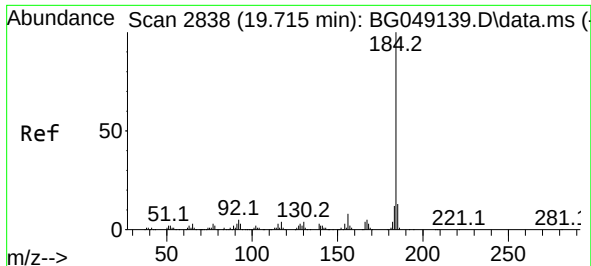
Tgt Ion:248 Resp: 13255  
Ion Ratio Lower Upper  
248 100  
250 181.5 76.1 114.1#  
141 574.3 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.759 min Scan# 3186  
Delta R.T. -0.018 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

Tgt Ion:240 Resp: 246025  
Ion Ratio Lower Upper  
240 100  
120 4.7 4.2 6.2  
236 26.2 21.8 32.6

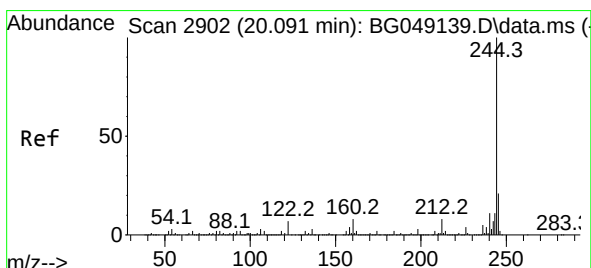
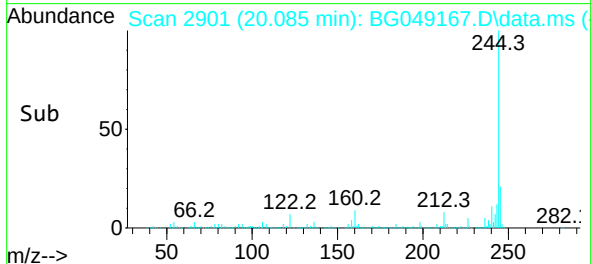
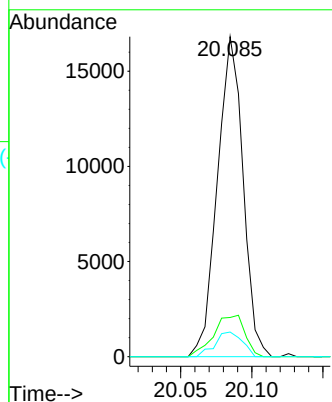
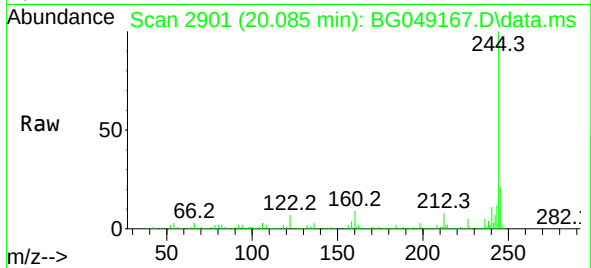




#77  
Benzidine  
Concen: 3.982 ng  
RT: 20.085 min Scan# 2901  
Delta R.T. 0.369 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

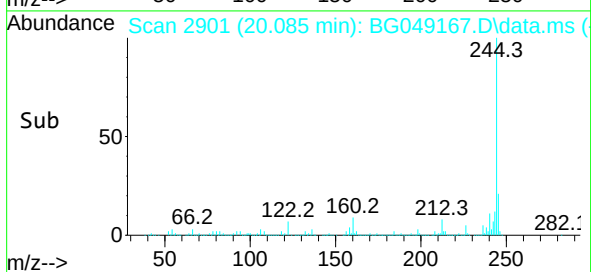
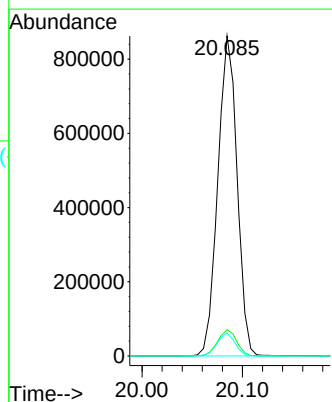
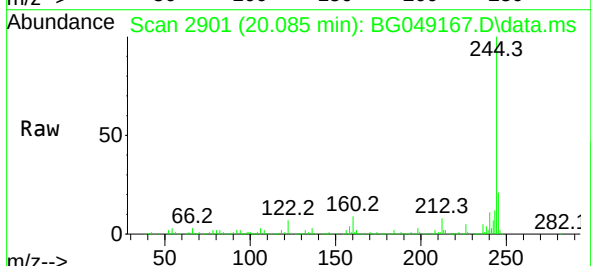
Instrument :  
BNA\_G  
ClientSampleId :  
PB137489BL

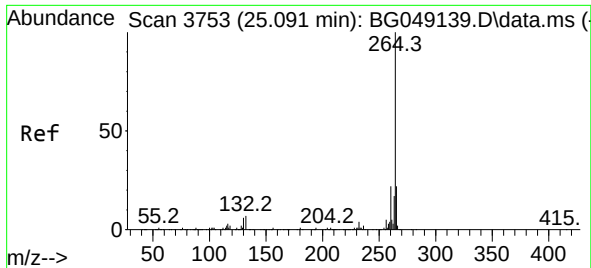
Tgt Ion:184 Resp: 21044  
Ion Ratio Lower Upper  
184 100  
185 12.3 10.7 16.1  
183 7.7 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 79.046 ng  
RT: 20.085 min Scan# 2901  
Delta R.T. -0.007 min  
Lab File: BG049167.D  
Acq: 2 Jul 2021 14:37

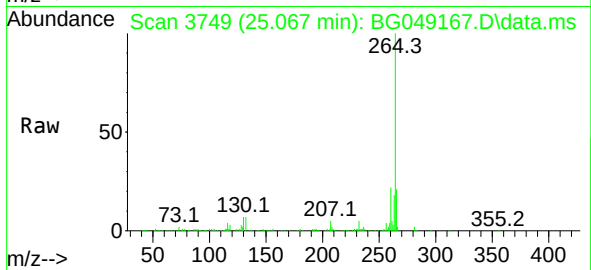
Tgt Ion:244 Resp: 1147656  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.9 10.3  
122 7.3 5.0 7.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.067 min Scan# 3749  
 Delta R.T. -0.024 min  
 Lab File: BG049167.D  
 Acq: 2 Jul 2021 14:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB137489BL



Tgt Ion:264 Resp: 253639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.8  | 19.4  | 29.2  |
| 265 | 20.9  | 16.9  | 25.3  |

