

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041521\  
 Data File : BG048702.D  
 Acq On : 15 Apr 2021 10:07  
 Operator : CG/JU  
 Sample : PB135705BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB135705BL

Quant Time: Apr 15 11:09:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 15 10:59:37 2021  
 Response via : Initial Calibration

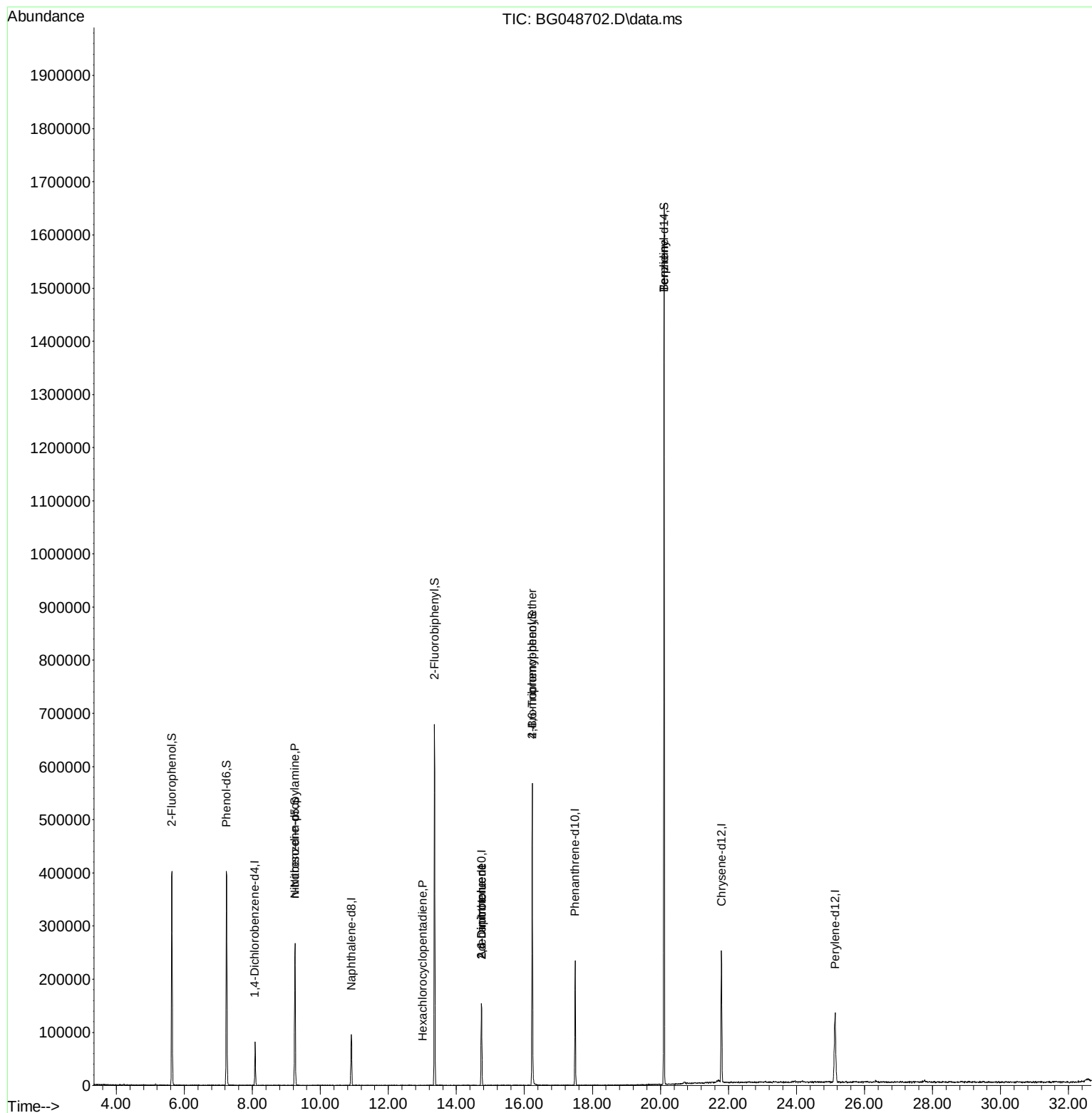
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.079  | 152  | 19555    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.911 | 136  | 76491    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.736 | 164  | 54370    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 140222   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.793 | 240  | 151237   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.130 | 264  | 147583   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.635  | 112  | 154506   | 132.15 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.239  | 99   | 194097   | 117.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.254  | 82   | 147866   | 86.55  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.229 | 330  | 94312    | 129.37 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.355 | 172  | 321733   | 85.46  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.106 | 244  | 705262   | 80.26  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.254  | 70   | 23760    | 21.29  | ng    | # 71     |
| 41) Hexachlorocyclopentadiene | 13.009 | 237  | 56       | 5.91   | ng    | # 31     |
| 51) 2,6-Dinitrotoluene        | 14.736 | 165  | 6879     | 7.31   | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.736 | 165  | 6879     | 5.03   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.229 | 248  | 7323     | 4.54   | ng    | # 1      |
| 77) Benzidine                 | 20.106 | 184  | 14732    | 3.59   | ng    | 96       |
| -----                         |        |      |          |        |       |          |

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

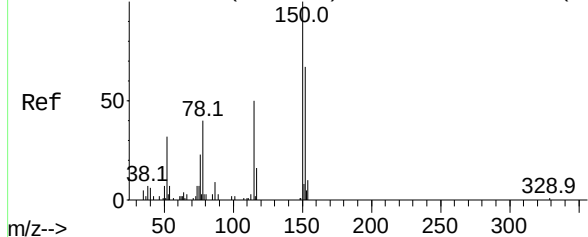
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041521\  
Data File : BG048702.D  
Acq On : 15 Apr 2021 10:07  
Operator : CG/JU  
Sample : PB135705BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB135705BL

Quant Time: Apr 15 11:09:52 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 15 10:59:37 2021  
Response via : Initial Calibration



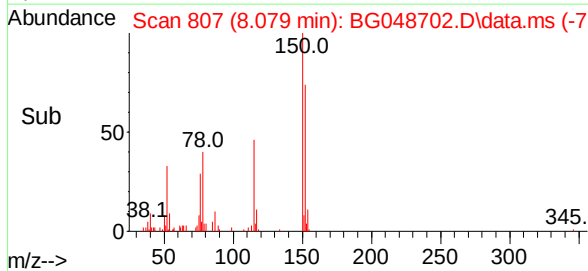
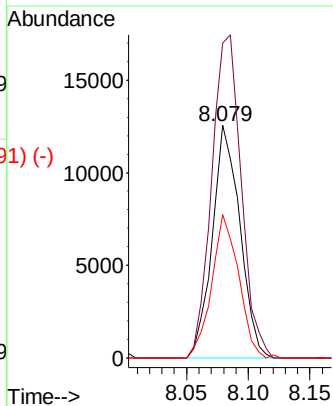
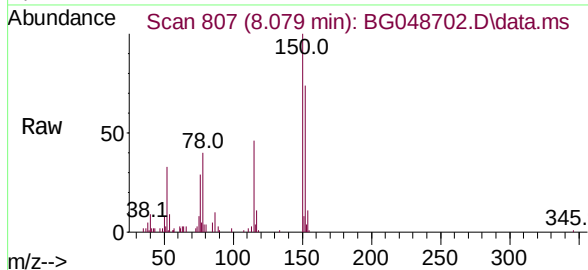
Abundance Scan 807 (8.079 min): BG048693.D\data.ms (-800#4)



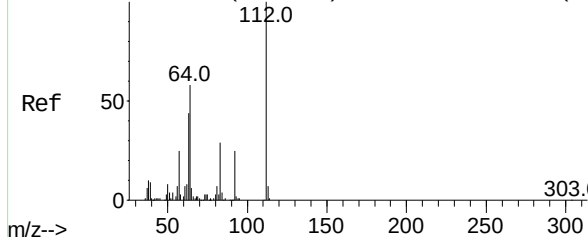
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.079 min Scan# 807  
Delta R.T. -0.008 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB135705BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 19555 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 135.1 | 119.4 | 179.0 |
| 115      | 61.5  | 60.2  | 90.4  |

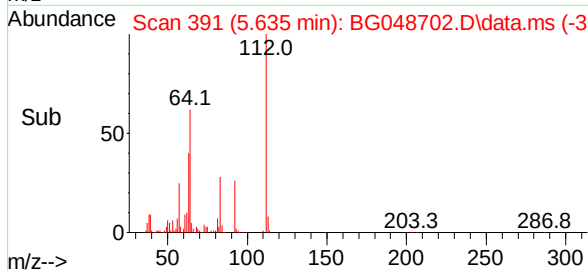
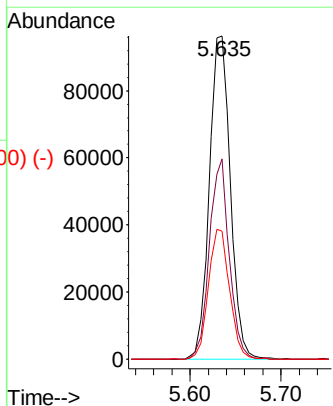
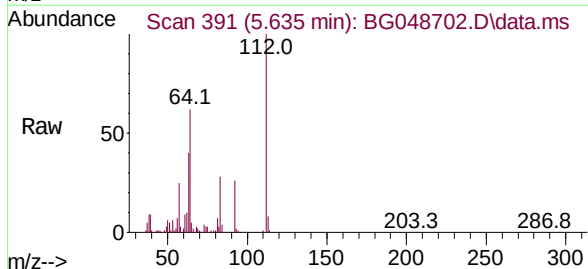


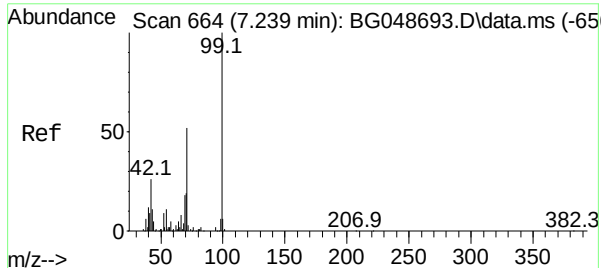
Abundance Scan 390 (5.629 min): BG048693.D\data.ms (-383#5)



2-Fluorophenol  
Concen: 132.15 ng  
RT: 5.635 min Scan# 391  
Delta R.T. 0.004 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 154506 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 62.1  | 46.7  | 70.1   |
| 63       | 39.7  | 35.3  | 52.9   |

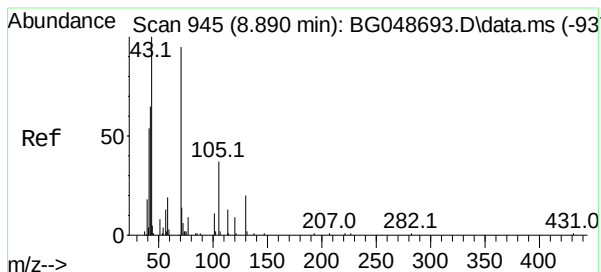
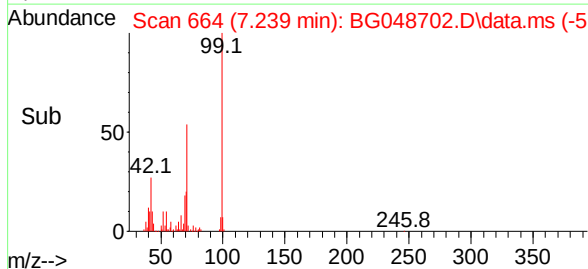
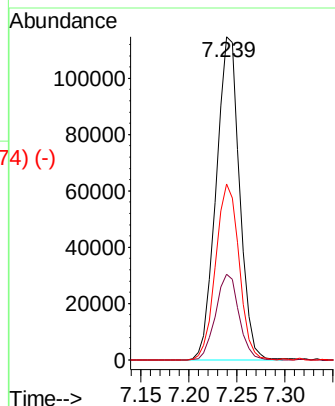
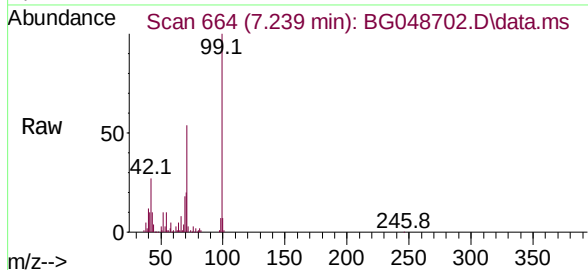




Phenol-d6  
 Concen: 117.36 ng  
 RT: 7.239 min Scan# 664  
 Delta R.T. -0.002 min  
 Lab File: BG048702.D  
 Acq: 15 Apr 2021 10:07

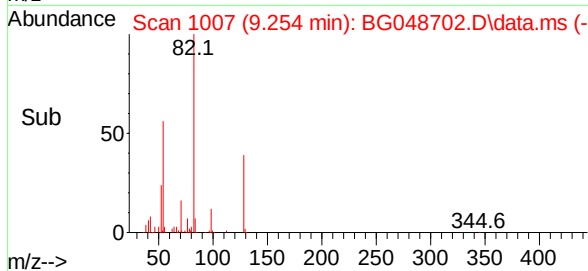
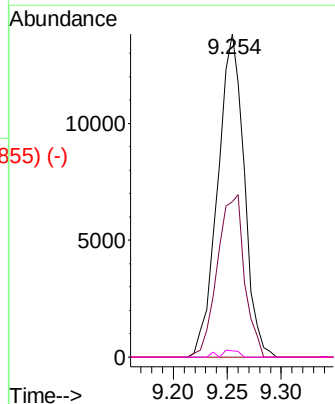
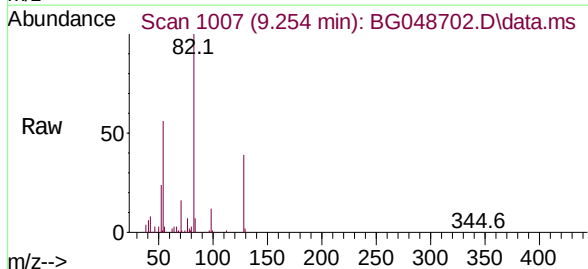
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB135705BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 26.6  | 20.5  | 30.7  |
| 71      | 54.4  | 41.5  | 62.3  |



n-Nitroso-di-n-propylamine  
 Concen: 21.29 ng  
 RT: 9.254 min Scan# 1007  
 Delta R.T. 0.362 min  
 Lab File: BG048702.D  
 Acq: 15 Apr 2021 10:07

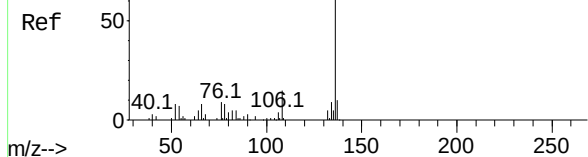
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 48.1  | 54.5  | 81.7# |
| 101     | 0.0   | 9.0   | 13.6# |
| 130     | 1.9   | 17.0  | 25.6# |



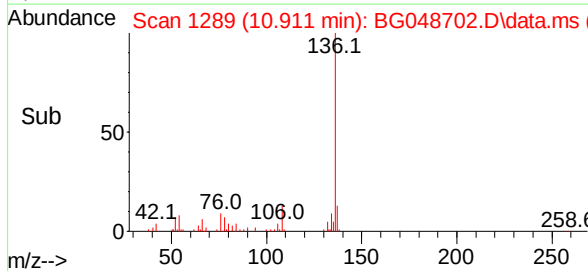
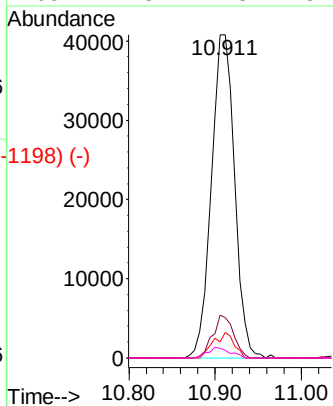
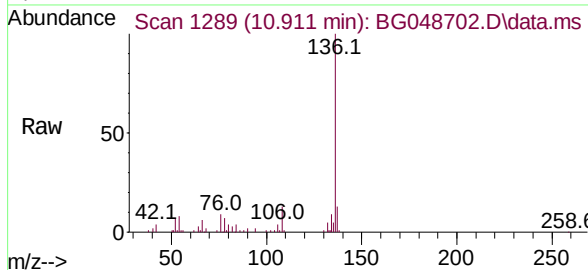
Abundance Scan 1289 (10.911 min): BG048693.D\data.ms (-1289) (-)

Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.911 min Scan# 1289  
Delta R.T. 0.004 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB135705BL



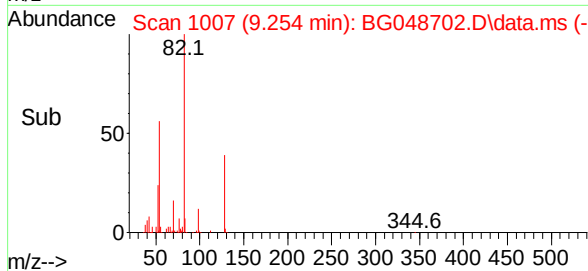
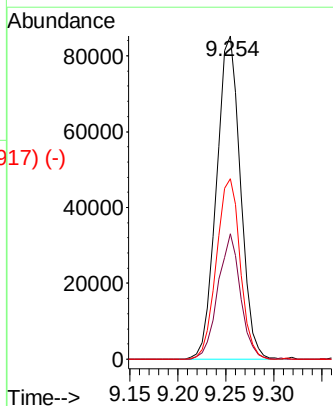
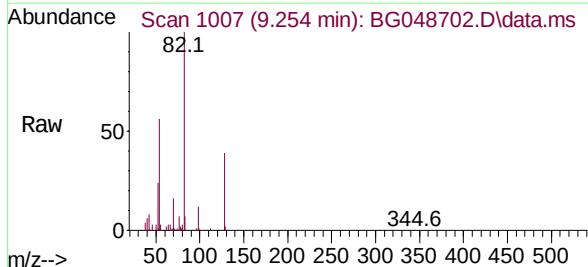
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 76491 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.5  | 8.2   | 12.2# |
| 54       | 8.0   | 5.5   | 8.3   |
| 68       | 2.3   | 2.3   | 3.5#  |



Abundance Scan 1007 (9.254 min): BG048693.D\data.ms (-1007) (-)

Nitrobenzene-d5  
Concen: 86.55 ng  
RT: 9.254 min Scan# 1007  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

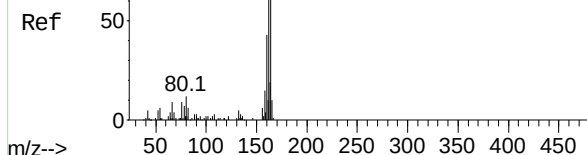
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 147866 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.7  | 29.8  | 44.6   |
| 54       | 55.8  | 45.8  | 68.8   |



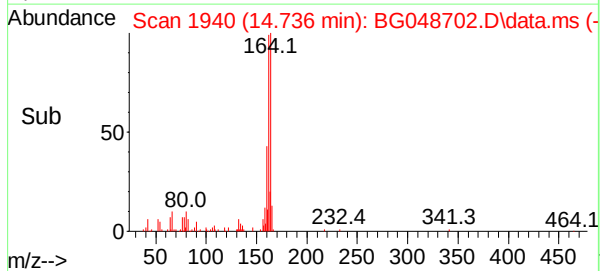
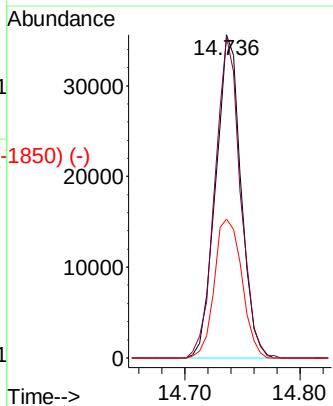
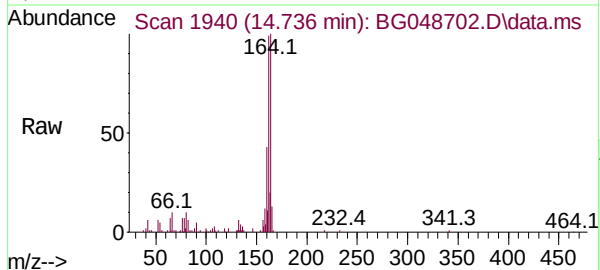
Abundance Scan 1940 (14.736 min): BG048693.D\data.ms (-1839) (-)

Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB135705BL

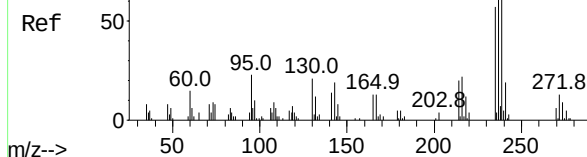


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 54370 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 99.4  | 81.4  | 122.0 |
| 160       | 43.1  | 34.9  | 52.3  |

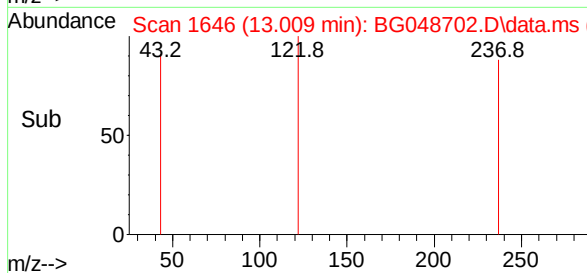
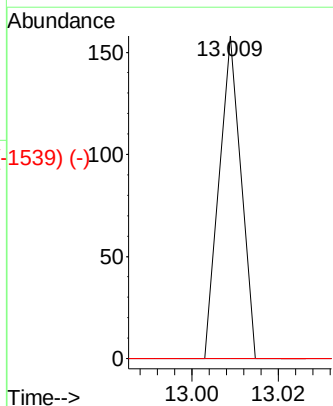
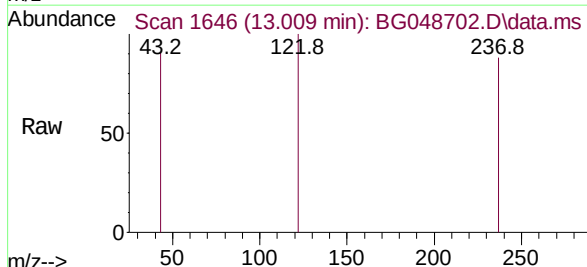


Abundance Scan 1629 (12.908 min): BG048693.D\data.ms (-1641) (-)

Hexachlorocyclopentadiene  
Concen: 5.91 ng  
RT: 13.009 min Scan# 1646  
Delta R.T. 0.098 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07



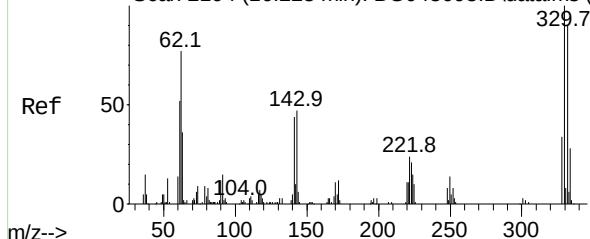
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 56    |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 0.0   | 36.6  | 76.6# |
| 272       | 0.0   | 0.0   | 32.5  |



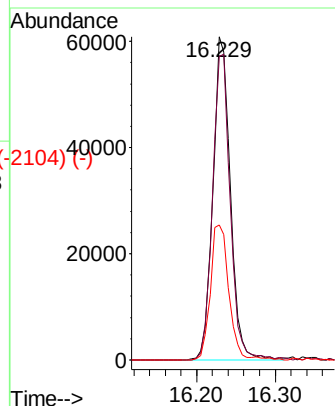
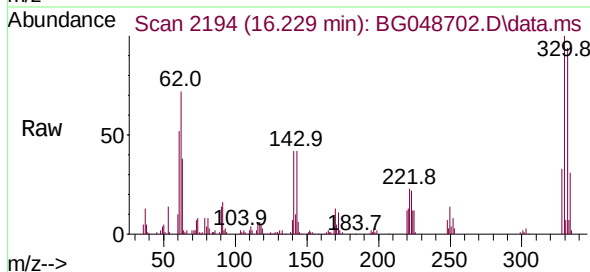
Abundance Scan 2194 (16.228 min): BG048693.D\data.ms (-2194) (-)

2,4,6-Tribromophenol  
Concen: 129.37 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

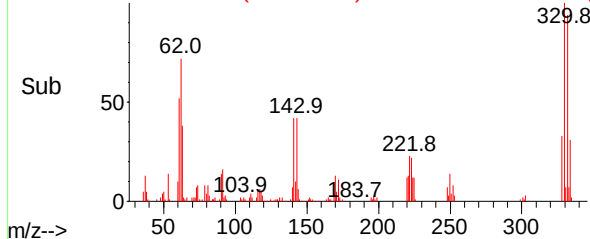
Instrument :  
BNA\_G  
ClientSampled :  
PB135705BL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 94312 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 96.2  | 77.3  | 115.9 |
| 141      | 44.3  | 35.6  | 53.4  |



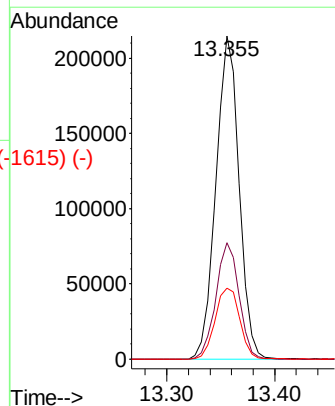
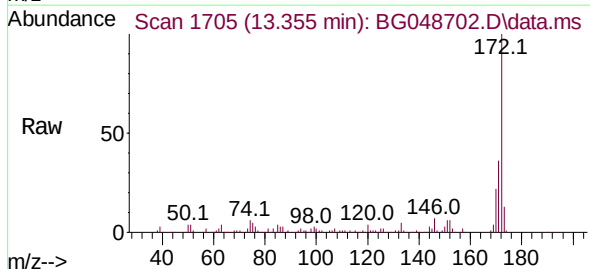
Abundance Scan 2194 (16.229 min): BG048702.D\data.ms (-2104) (-)



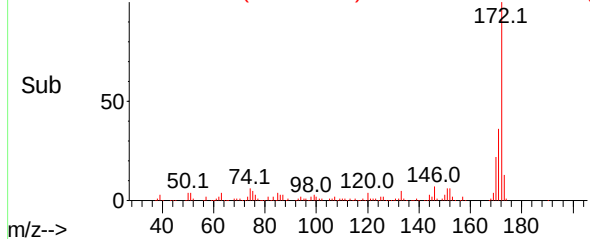
Abundance Scan 1705 (13.355 min): BG048693.D\data.ms (-1695) (-)

2-Fluorobiphenyl  
Concen: 85.46 ng  
RT: 13.355 min Scan# 1705  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

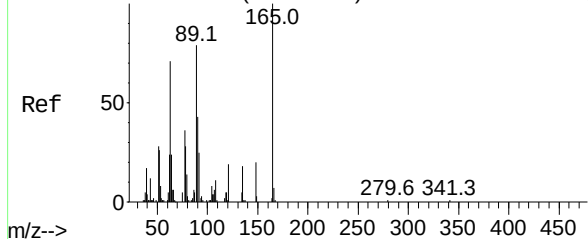
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 321733 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 36.0  | 28.6  | 43.0   |
| 170      | 21.9  | 18.6  | 27.8   |



Abundance Scan 1705 (13.355 min): BG048702.D\data.ms (-1615) (-)



Abundance Scan 1867 (14.307 min): BG048693.D\data.ms (-1650) (-)

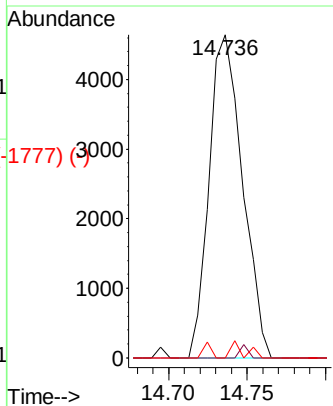
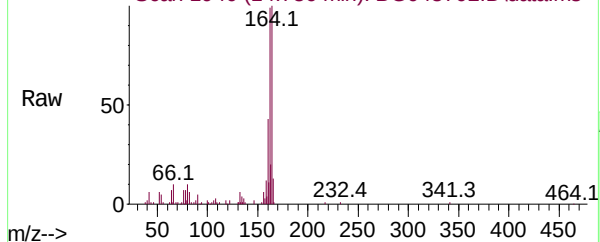


2,6-Dinitrotoluene  
Concen: 7.31 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. 0.427 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

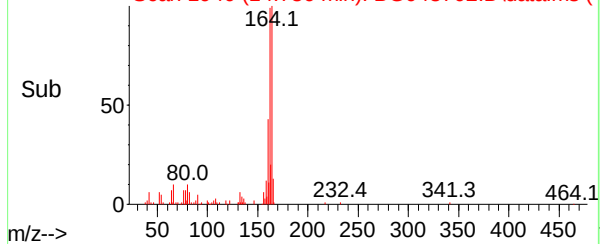
Instrument :  
BNA\_G  
ClientSampleID :  
PB135705BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 63.3  | 94.9# |
| 89      | 0.0   | 63.4  | 95.0# |

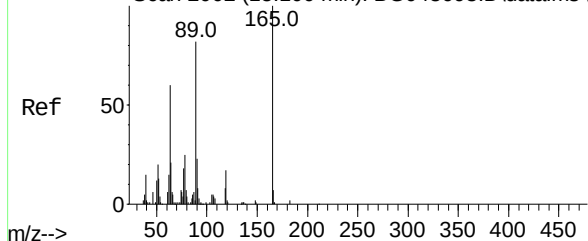
Abundance Scan 1940 (14.736 min): BG048702.D\data.ms



Abundance Scan 1940 (14.736 min): BG048702.D\data.ms (-1777) (-)



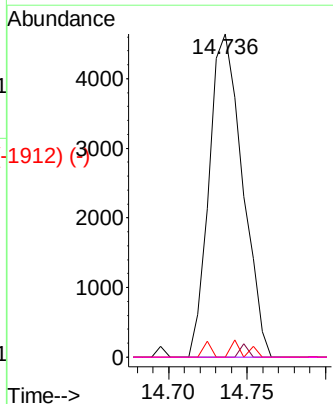
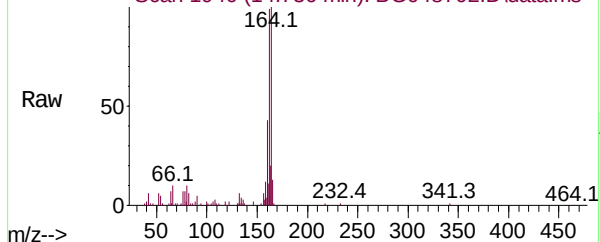
Abundance Scan 2002 (15.100 min): BG048693.D\data.ms (-1957) (-)



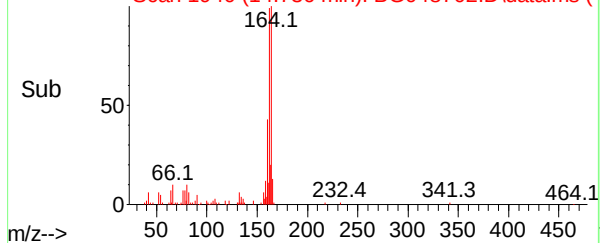
2,4-Dinitrotoluene  
Concen: 5.03 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.366 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.0  | 72.0# |
| 89      | 0.0   | 65.4  | 98.0# |
| 182     | 0.0   | 2.0   | 3.0#  |

Abundance Scan 1940 (14.736 min): BG048702.D\data.ms



Abundance Scan 1940 (14.736 min): BG048702.D\data.ms (-1912) (-)

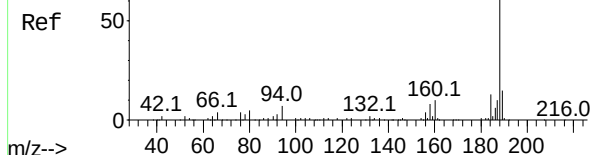




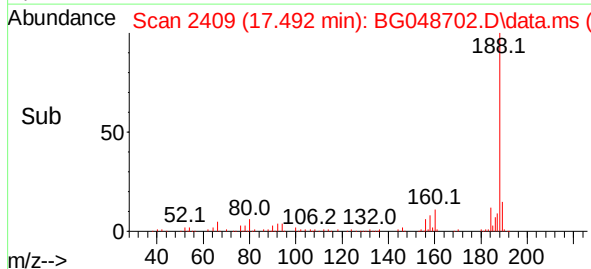
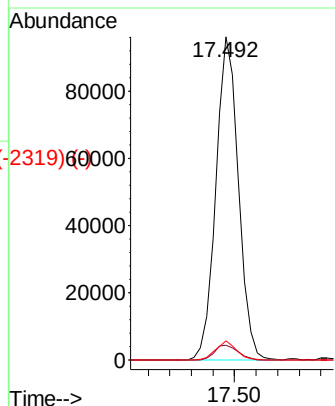
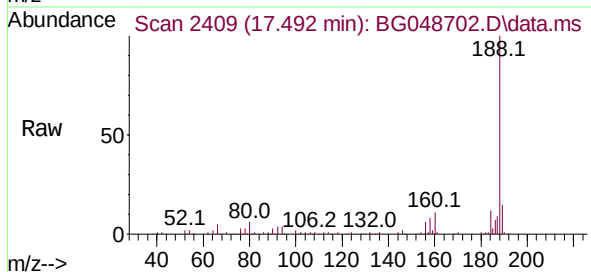
Abundance Scan 2410 (17.497 min): BG048693.D\data.ms (-2402) (-)

Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.492 min Scan# 2409  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

Instrument :  
BNA\_G  
ClientSampleID :  
PB135705BL

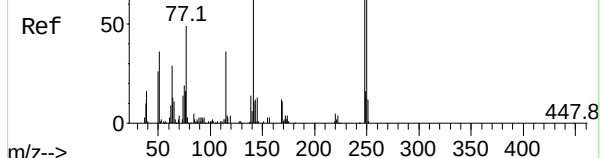


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 140222 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 4.5   | 5.4   | 8.0#   |
| 80        | 5.9   | 3.7   | 5.5#   |

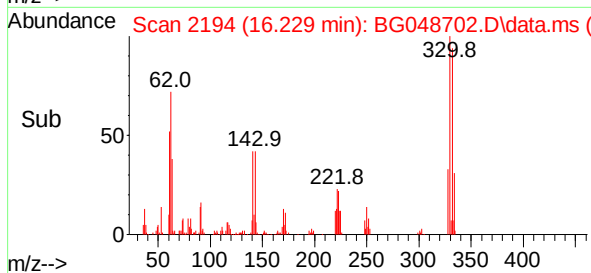
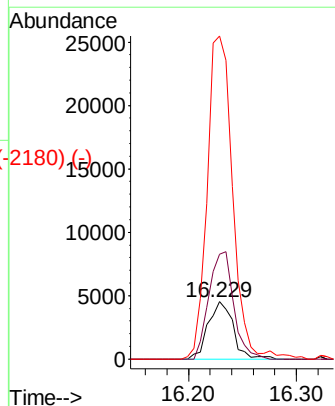
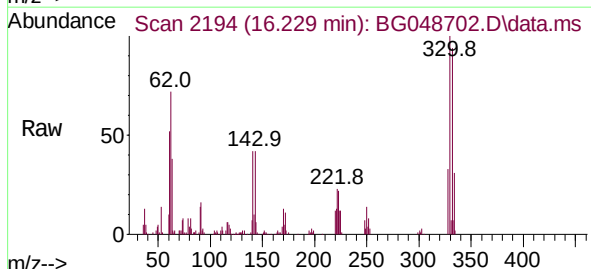


Abundance Scan 2270 (16.674 min): BG048693.D\data.ms (-2267) (-)

4-Bromophenyl-phenylether  
Concen: 4.54 ng  
RT: 16.229 min Scan# 2194  
Delta R.T. -0.449 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07



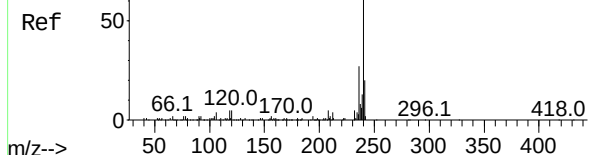
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 7323   |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 183.0 | 76.1  | 114.1# |
| 141       | 562.7 | 65.4  | 98.2#  |



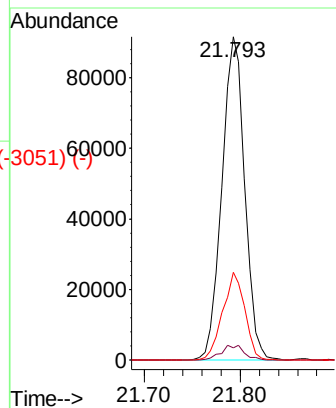
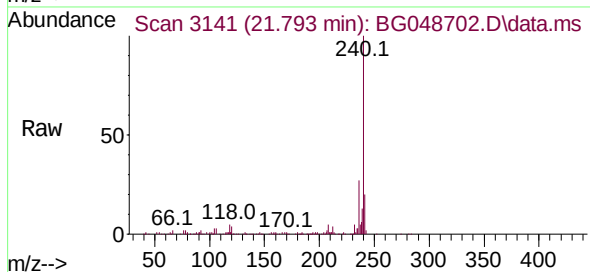
Abundance Scan 3142 (21.798 min): BG048693.D\data.ms (-3174) (-)

Chrysene-d12  
Concen: 20.00 ng  
RT: 21.793 min Scan# 3141  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

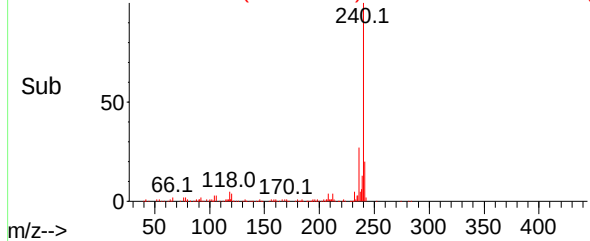
Instrument :  
BNA\_G  
ClientSampleID :  
PB135705BL



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 151237 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 3.8   | 4.2   | 6.2#   |
| 236      | 27.2  | 21.8  | 32.6   |



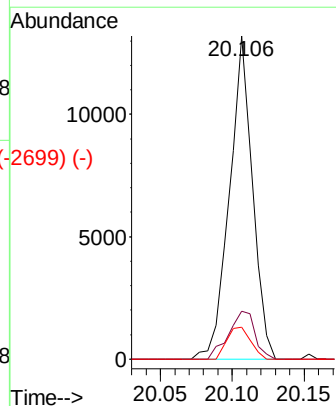
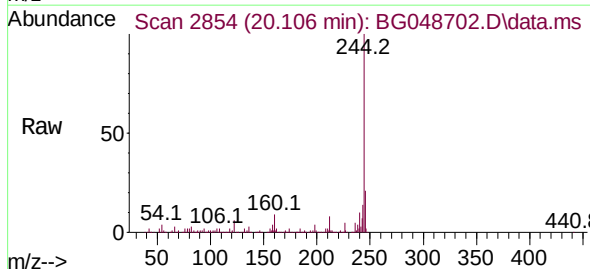
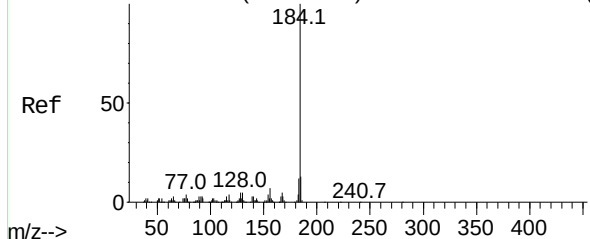
Abundance Scan 3141 (21.793 min): BG048702.D\data.ms (-3051) (-)



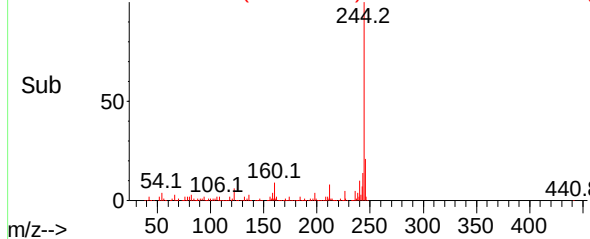
Abundance Scan 2789 (19.724 min): BG048693.D\data.ms (-2787) (-)

Benzidine  
Concen: 3.59 ng  
RT: 20.106 min Scan# 2854  
Delta R.T. 0.380 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 184   | Resp: | 14732 |
| Ion      | Ratio | Lower | Upper |
| 184      | 100   |       |       |
| 185      | 14.9  | 10.7  | 16.1  |
| 183      | 9.9   | 9.4   | 14.0  |



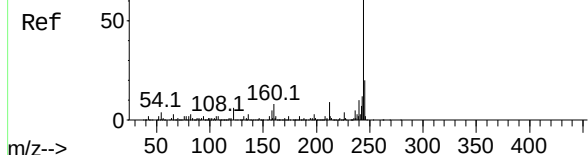
Abundance Scan 2854 (20.106 min): BG048702.D\data.ms (-2699) (-)



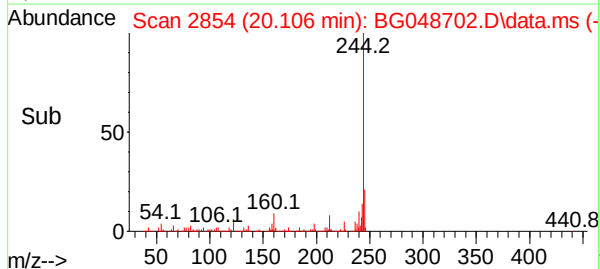
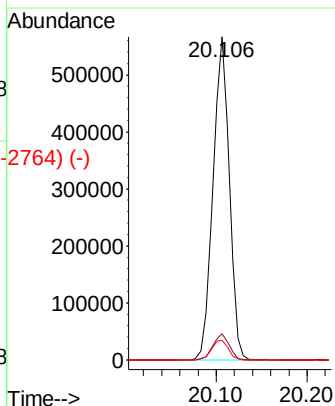
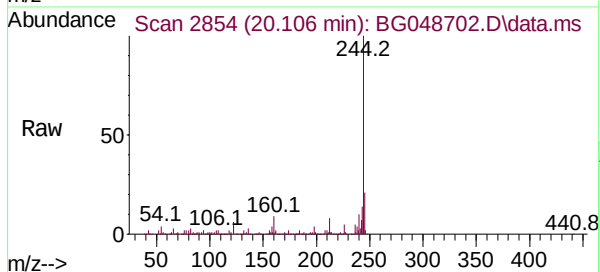
Abundance Scan 2854 (20.106 min): BG048693.D\data.ms (-2679) (-)

Terphenyl-d14  
Concen: 80.26 ng  
RT: 20.106 min Scan# 2854  
Delta R.T. -0.002 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07

Instrument :  
BNA\_G  
ClientSampled :  
PB135705BL

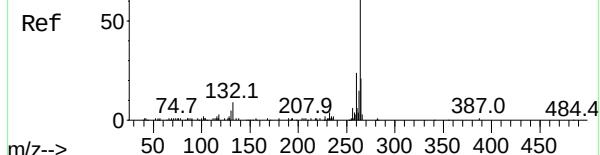


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 705262 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 8.0   | 6.9   | 10.3   |
| 122      | 6.2   | 5.0   | 7.6    |



Abundance Scan 3710 (25.135 min): BG048693.D\data.ms (-3696) (-)

Perylene-d12  
Concen: 20.00 ng  
RT: 25.130 min Scan# 3709  
Delta R.T. -0.008 min  
Lab File: BG048702.D  
Acq: 15 Apr 2021 10:07



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 147583 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 19.7  | 19.4  | 29.2   |
| 265      | 19.2  | 16.9  | 25.3   |

