

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041521\  
 Data File : BG048707.D  
 Acq On : 15 Apr 2021 13:40  
 Operator : CG/JU  
 Sample : M2015-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-041221

Quant Time: Apr 15 14:17:00 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

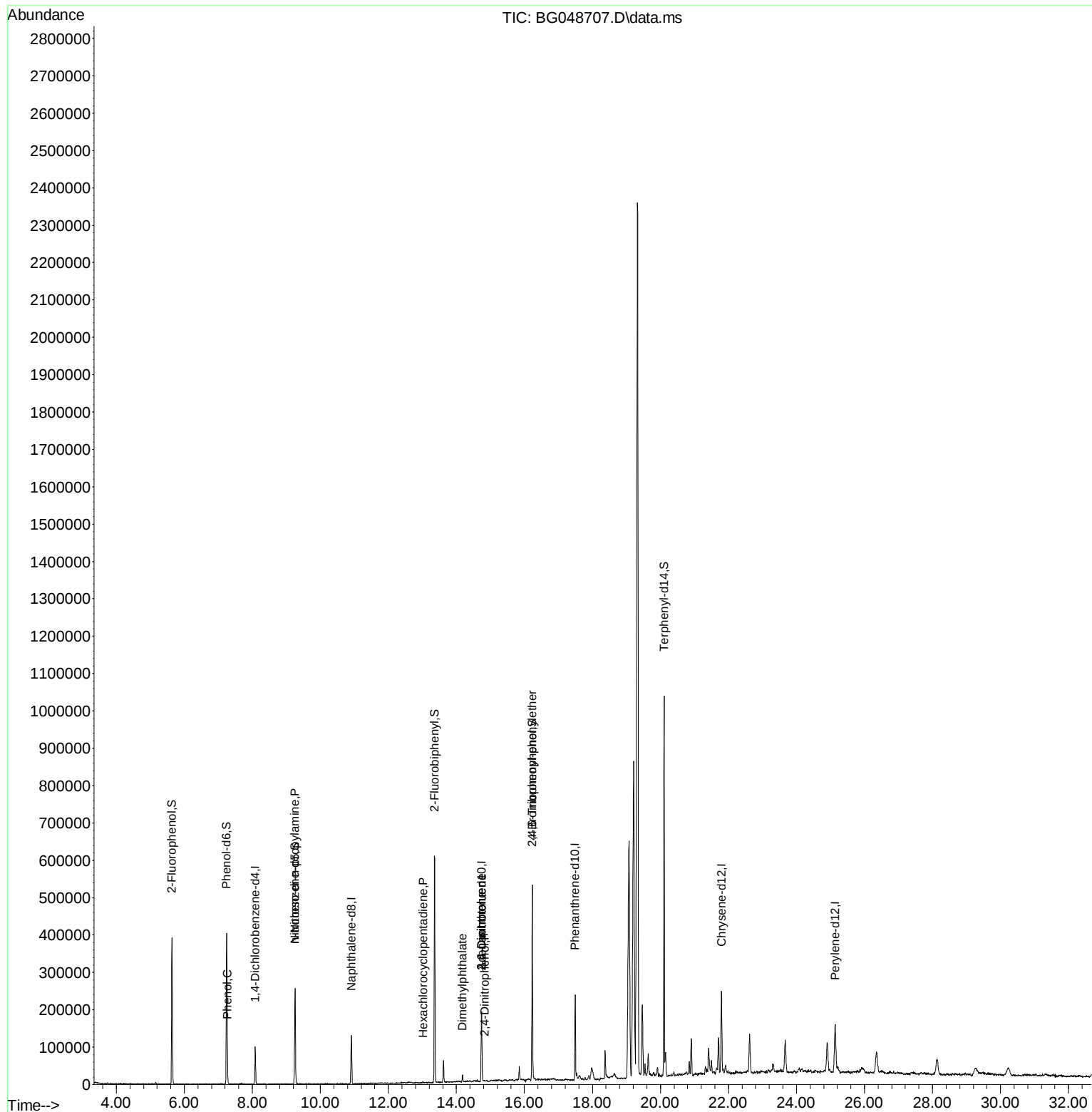
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.085  | 152  | 23774    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.911 | 136  | 99773    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.736 | 164  | 63945    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.491 | 188  | 143378   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.792 | 240  | 138739   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.135 | 264  | 136017   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.635  | 112  | 147997   | 104.12 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.244  | 99   | 193416   | 96.20  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.254  | 82   | 145327   | 65.21  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.234 | 330  | 83771    | 97.71  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.355 | 172  | 298674   | 67.45  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.106 | 244  | 433890   | 53.83  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 7.268  | 94   | 4135     | 2.09   | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.254  | 70   | 24626    | 18.15  | ng    | # 66     |
| 41) Hexachlorocyclopentadiene | 13.020 | 237  | 66       | 5.91   | ng    | # 31     |
| 50) Dimethylphthalate         | 14.177 | 163  | 10714    | 2.23   | ng    | # 93     |
| 51) 2,6-Dinitrotoluene        | 14.736 | 165  | 8800     | 7.95   | ng    | # 13     |
| 54) 2,4-Dinitrophenol         | 14.830 | 184  | 118      | 5.45   | ng    | # 8      |
| 57) 2,4-Dinitrotoluene        | 14.736 | 165  | 8800     | 5.48   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.228 | 248  | 6761     | 4.10   | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

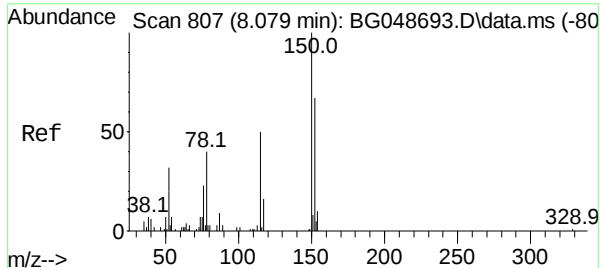
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 15 10:59:37 2021  
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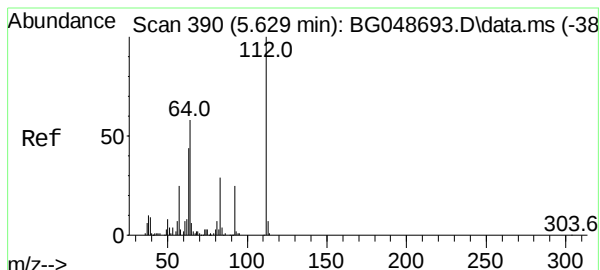
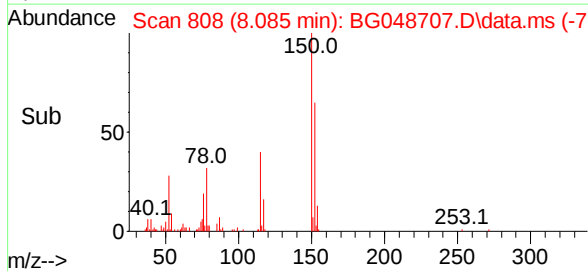
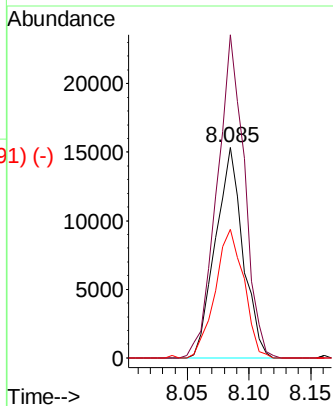
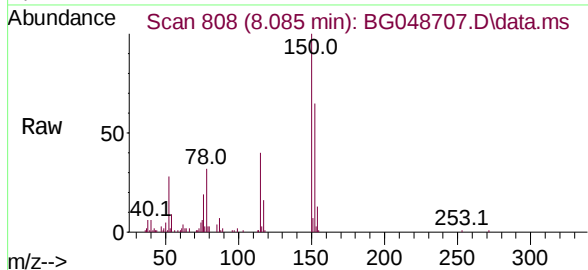




Scan 807 (8.079 min): BG048693.D\data.ms (-800)#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.085 min Scan# 808  
 Delta R.T. -0.002 min  
 Lab File: BG048707.D  
 Acq: 15 Apr 2021 13:40

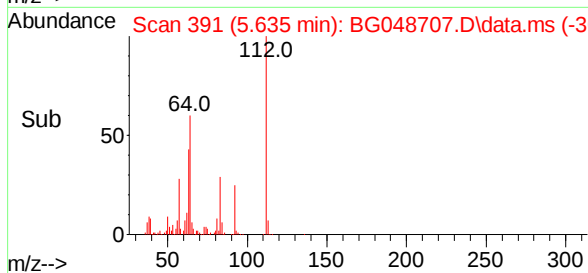
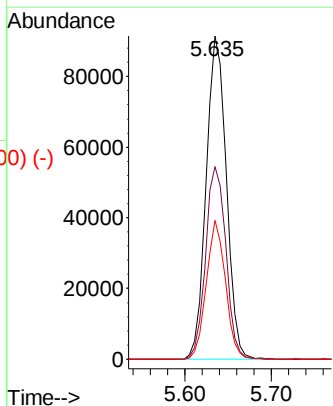
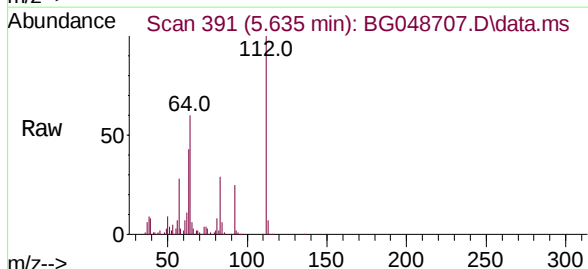
Instrument :  
 BNA\_G  
 ClientSampleID :  
 CL-02-041221

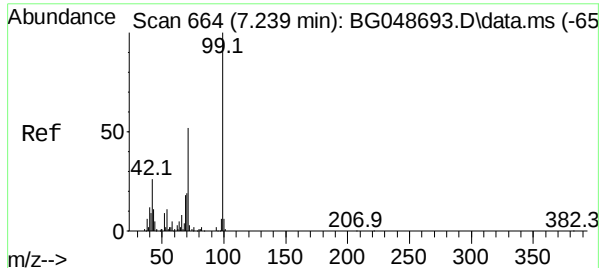
Tgt Ion:152 Resp: 23774  
 Ion Ratio Lower Upper  
 152 100  
 150 153.5 119.4 179.0  
 115 61.1 60.2 90.4



Scan 390 (5.629 min): BG048693.D\data.ms (-383)#5  
 2-Fluorophenol  
 Concen: 104.12 ng  
 RT: 5.635 min Scan# 391  
 Delta R.T. 0.003 min  
 Lab File: BG048707.D  
 Acq: 15 Apr 2021 13:40

Tgt Ion:112 Resp: 147997  
 Ion Ratio Lower Upper  
 112 100  
 64 59.6 46.7 70.1  
 63 42.9 35.3 52.9

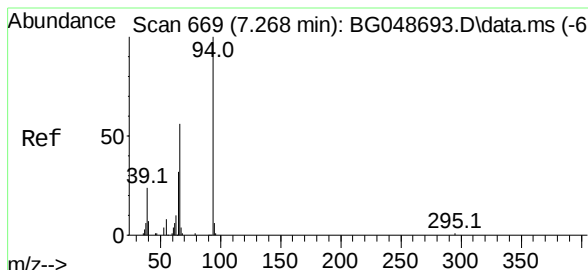
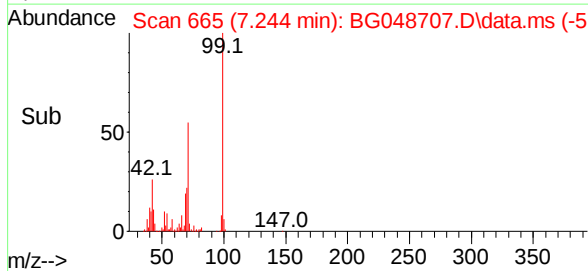
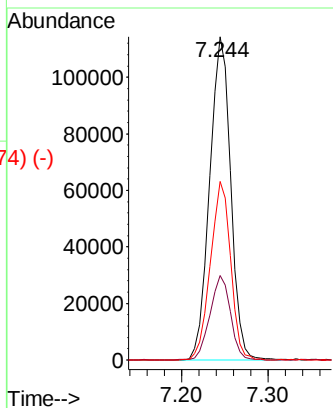
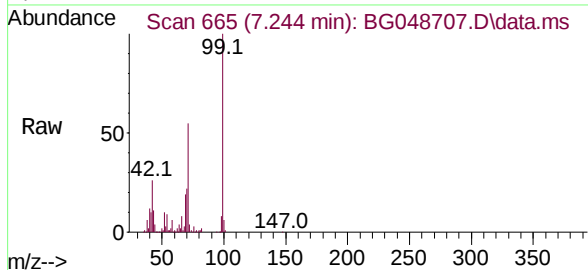




Phenol-d6  
 Concen: 96.20 ng  
 RT: 7.244 min Scan# 665  
 Delta R.T. 0.003 min  
 Lab File: BG048707.D  
 Acq: 15 Apr 2021 13:40

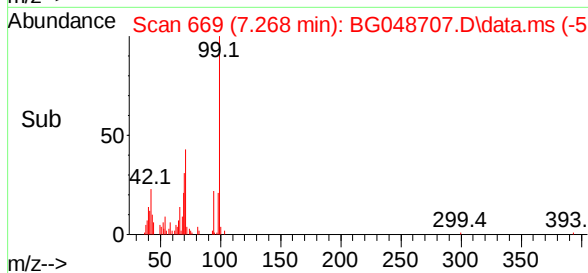
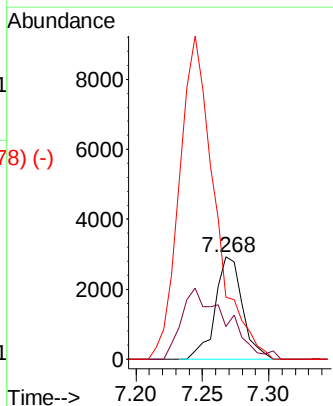
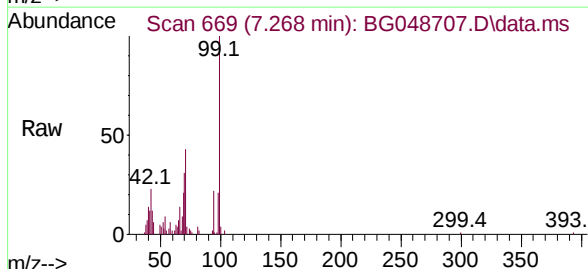
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-041221

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 193416 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 26.0  | 20.5  | 30.7   |
| 71       | 55.3  | 41.5  | 62.3   |

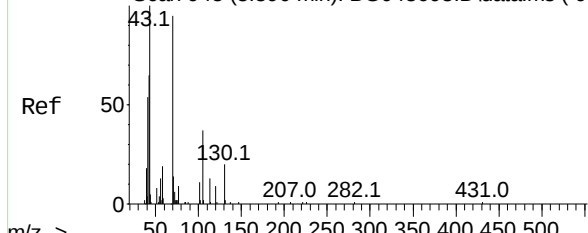


Phenol  
 Concen: 2.09 ng  
 RT: 7.268 min Scan# 669  
 Delta R.T. 0.003 min  
 Lab File: BG048707.D  
 Acq: 15 Apr 2021 13:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 4135  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 32.0  | 12.9  | 52.9  |
| 66       | 60.6  | 39.4  | 79.4  |



Abundance Scan 945 (8.890 min): BG048693.D\data.ms (-937) (-)

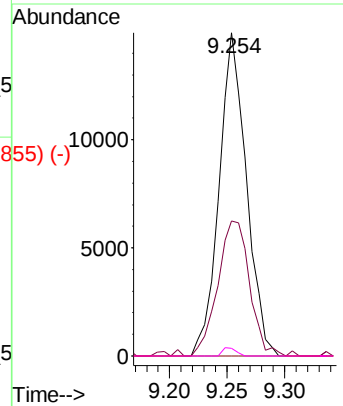
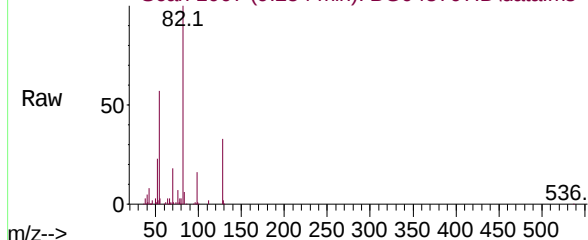


n-Nitroso-di-n-propylamine  
Concen: 18.15 ng  
RT: 9.254 min Scan# 1007  
Delta R.T. 0.362 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

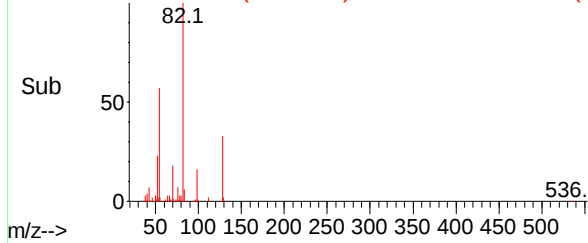
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-041221

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 24626 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 41.7  | 54.5  | 81.7# |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 2.3   | 17.0  | 25.6# |

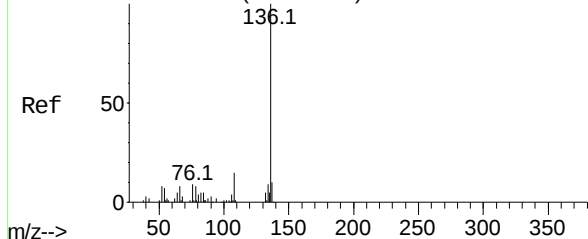
Abundance Scan 1007 (9.254 min): BG048707.D\data.ms



Abundance Scan 1007 (9.254 min): BG048707.D\data.ms (-855) (-)



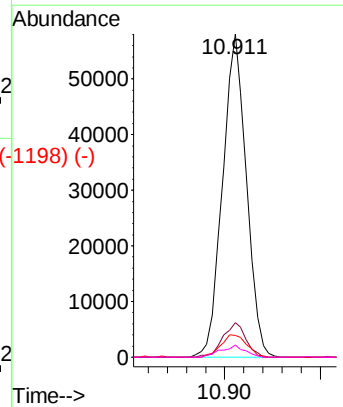
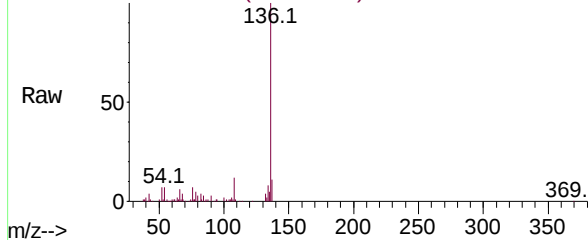
Abundance Scan 1289 (10.911 min): BG048693.D\data.ms (-1281) (-)



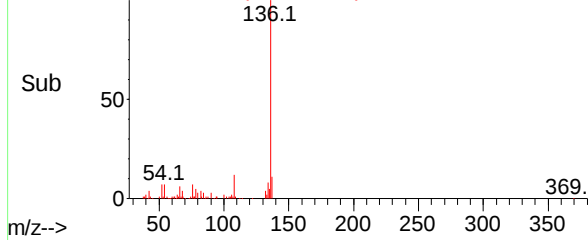
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.911 min Scan# 1289  
Delta R.T. 0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 99773 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.6  | 8.2   | 12.2  |
| 54       | 6.6   | 5.5   | 8.3   |
| 68       | 4.6   | 2.3   | 3.5#  |

Abundance Scan 1289 (10.911 min): BG048707.D\data.ms



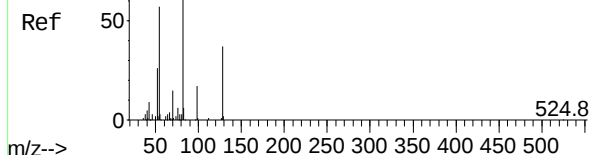
Abundance Scan 1289 (10.911 min): BG048707.D\data.ms (-1198) (-)



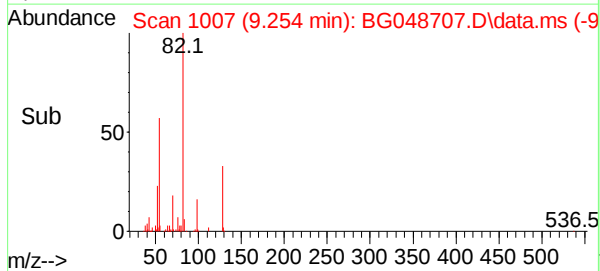
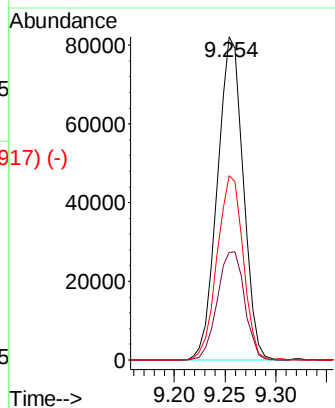
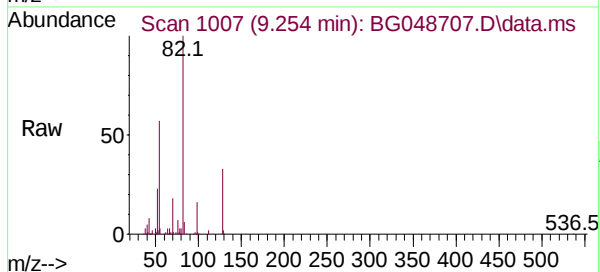
Abundance Scan 1007 (9.254 min): BG048693.D\data.ms (-10023)

Nitrobenzene-d5  
Concen: 65.21 ng  
RT: 9.254 min Scan# 1007  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
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CL-02-041221

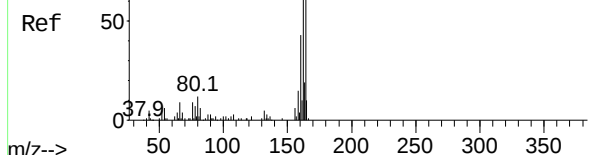


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 145327 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.3  | 29.8  | 44.6   |
| 54       | 57.1  | 45.8  | 68.8   |

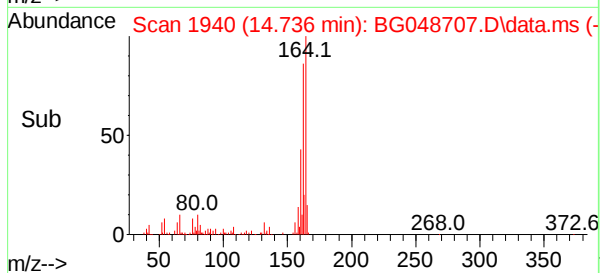
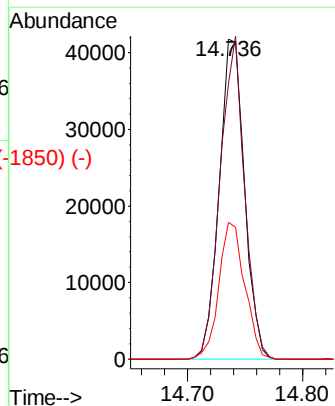
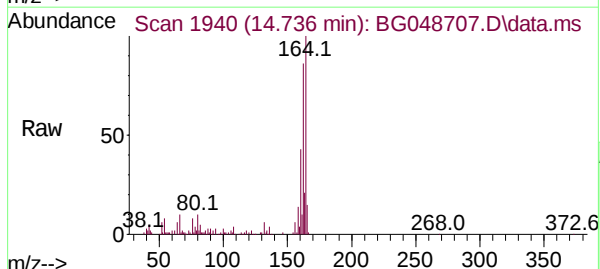


Abundance Scan 1940 (14.736 min): BG048693.D\data.ms (-1939)

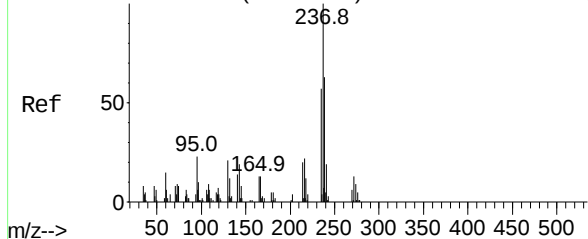
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 63945 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 86.1  | 81.4  | 122.0 |
| 160      | 42.7  | 34.9  | 52.3  |



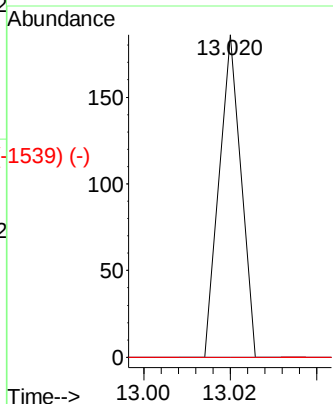
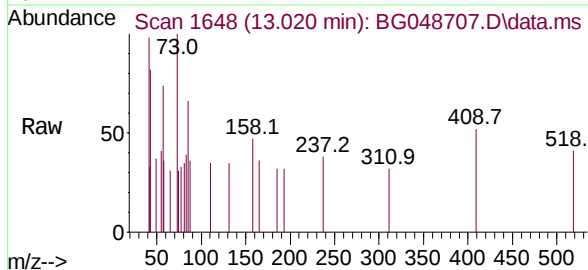
Abundance Scan 1629 (12.908 min): BG048693.D\data.ms (-1629) (-)



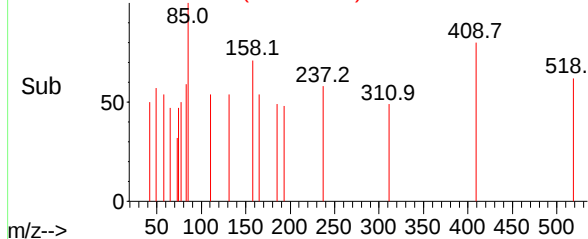
Hexachlorocyclopentadiene  
Concen: 5.91 ng  
RT: 13.020 min Scan# 1648  
Delta R.T. 0.109 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampled :  
CL-02-041221

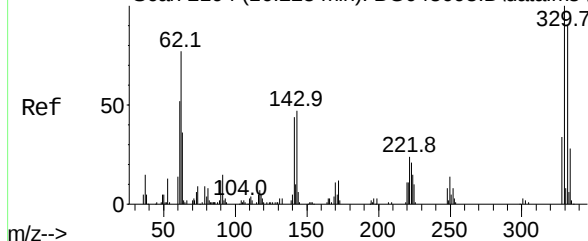
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 66    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 0.0   | 36.6  | 76.6# |
| 272      | 0.0   | 0.0   | 32.5  |



Abundance Scan 1648 (13.020 min): BG048707.D\data.ms (-1539) (-)

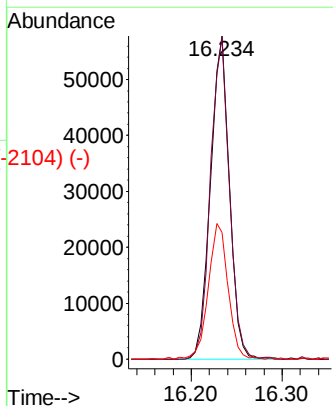
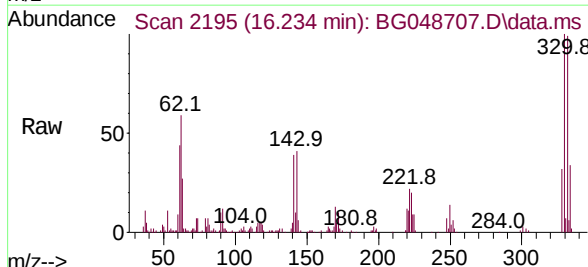


Abundance Scan 2194 (16.228 min): BG048693.D\data.ms (-2194) (-)

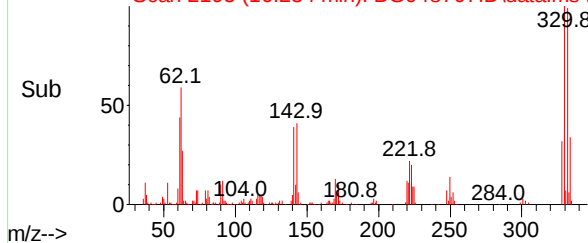


2,4,6-Tribromophenol  
Concen: 97.71 ng  
RT: 16.234 min Scan# 2195  
Delta R.T. 0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 83771 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 99.2  | 77.3  | 115.9 |
| 141      | 43.9  | 35.6  | 53.4  |



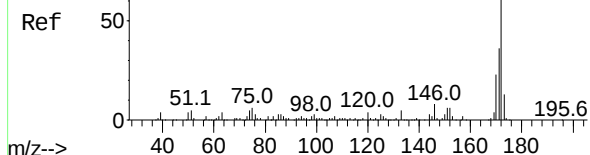
Abundance Scan 2195 (16.234 min): BG048707.D\data.ms (-2104) (-)



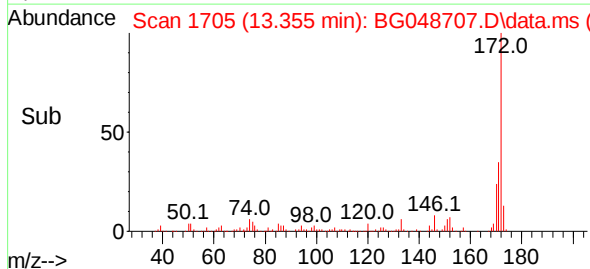
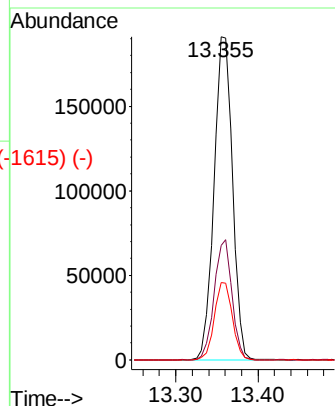
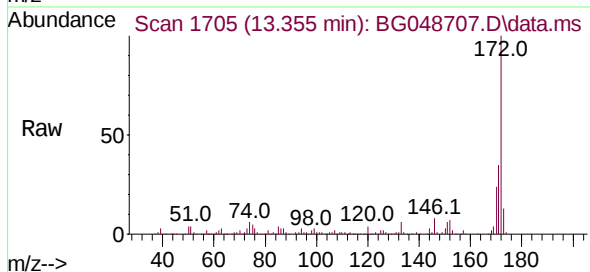
Abundance Scan 1705 (13.355 min): BG048693.D\data.ms (-1615) (-)

2-Fluorobiphenyl  
Concen: 67.45 ng  
RT: 13.355 min Scan# 1705  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampled :  
CL-02-041221

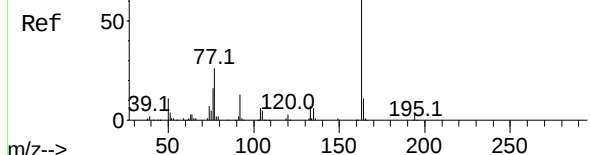


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.6  | 43.0  |
| 170     | 24.0  | 18.6  | 27.8  |

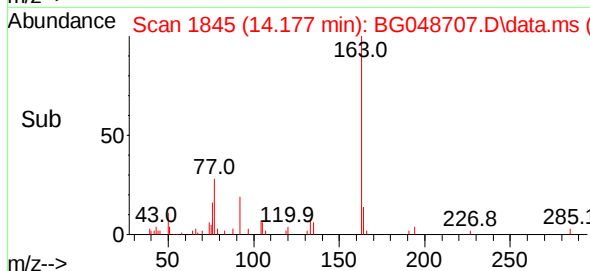
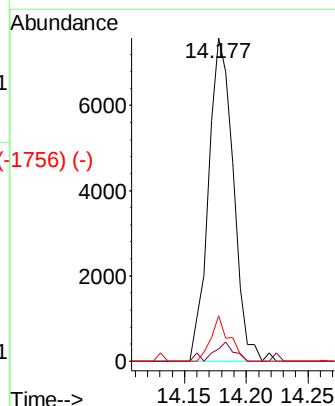
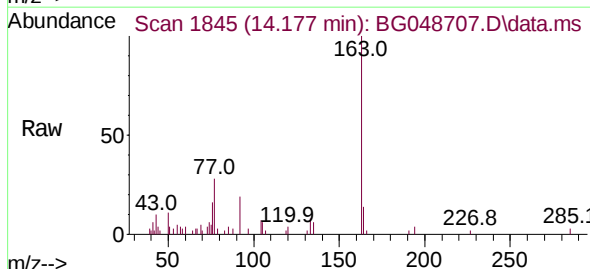


Abundance Scan 1846 (14.183 min): BG048693.D\data.ms (-1756) (-)

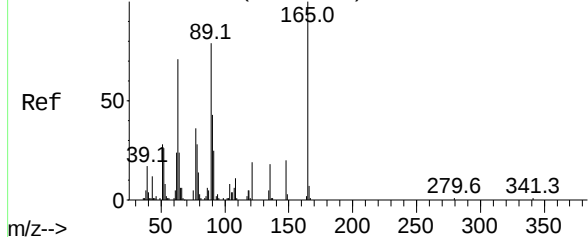
Dimethylphthalate  
Concen: 2.23 ng  
RT: 14.177 min Scan# 1845  
Delta R.T. -0.009 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.0   | 4.6   |
| 164     | 14.1  | 8.6   | 12.8# |



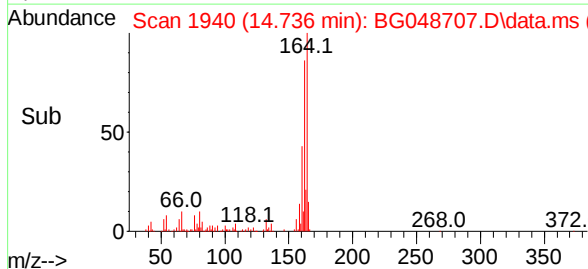
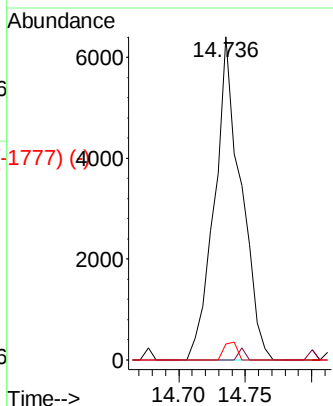
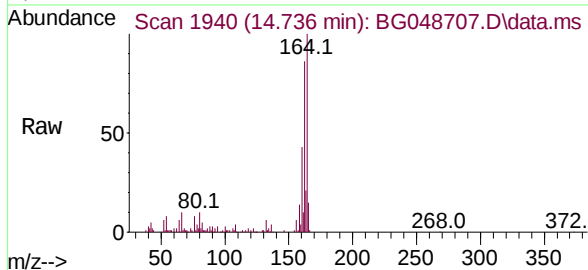
Abundance Scan 1867 (14.307 min): BG048693.D\data.ms (-1750) (-)



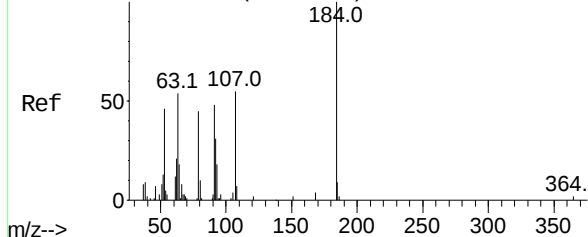
2,6-Dinitrotoluene  
Concen: 7.95 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. 0.426 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-041221

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 8800  |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 63.3  | 94.9# |
| 89        | 4.9   | 63.4  | 95.0# |

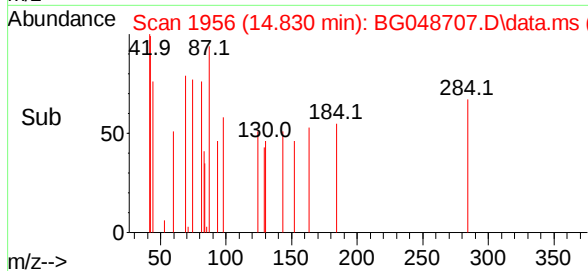
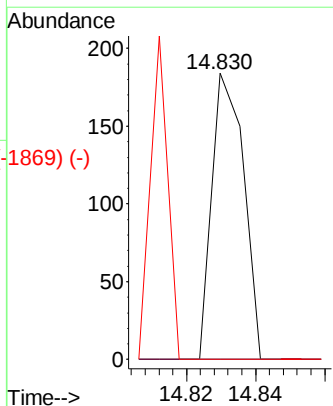
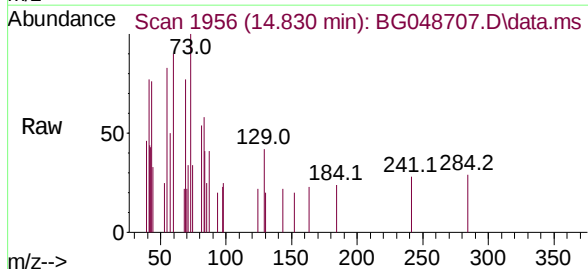


Abundance Scan 1959 (14.847 min): BG048693.D\data.ms (-1954) (-)



2,4-Dinitrophenol  
Concen: 5.45 ng  
RT: 14.830 min Scan# 1956  
Delta R.T. -0.020 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

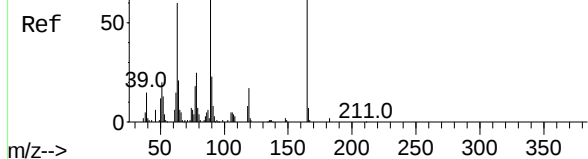
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 118    |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 63        | 0.0   | 68.3  | 102.5# |
| 154       | 0.0   | 62.6  | 93.8#  |



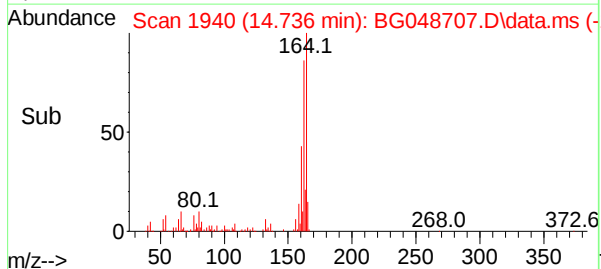
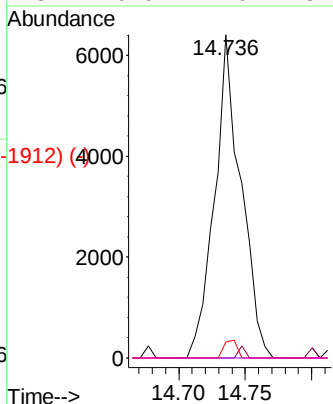
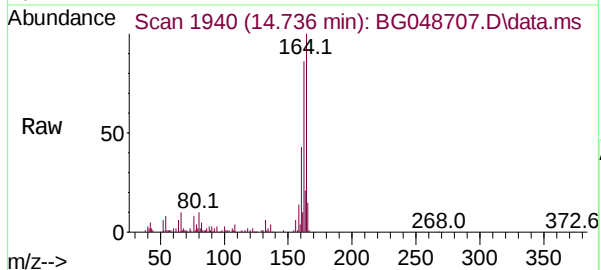
Abundance Scan 2002 (15.100 min): BG048693.D\data.ms (-1955) (-)

2,4-Dinitrotoluene  
Concen: 5.48 ng  
RT: 14.736 min Scan# 1940  
Delta R.T. -0.367 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampled :  
CL-02-041221



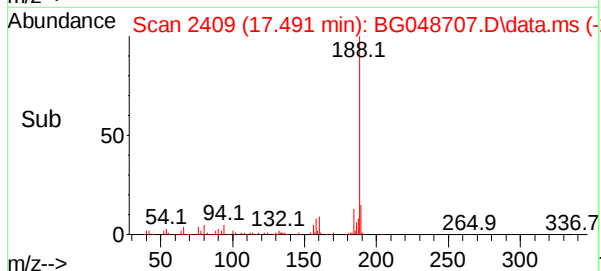
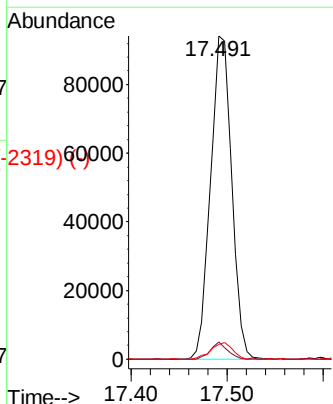
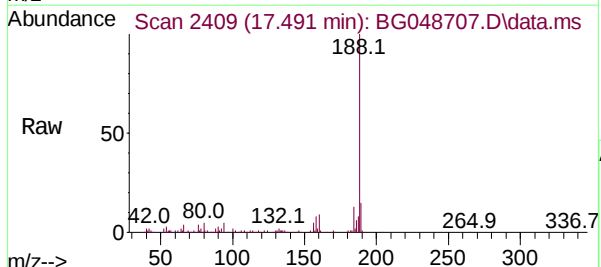
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 8800  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 48.0  | 72.0# |
| 89       | 4.9   | 65.4  | 98.0# |
| 182      | 0.0   | 2.0   | 3.0#  |



Abundance Scan 2410 (17.497 min): BG048693.D\data.ms (-2462) (-)

Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.491 min Scan# 2409  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

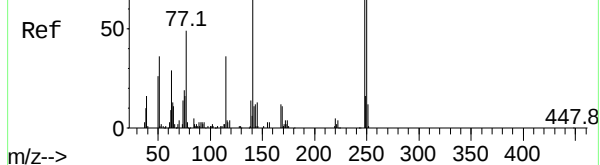
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 143378 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 5.3   | 5.4   | 8.0#   |
| 80       | 4.6   | 3.7   | 5.5    |



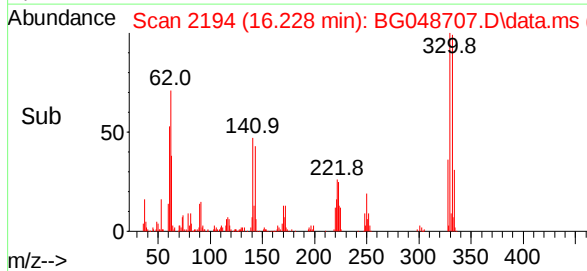
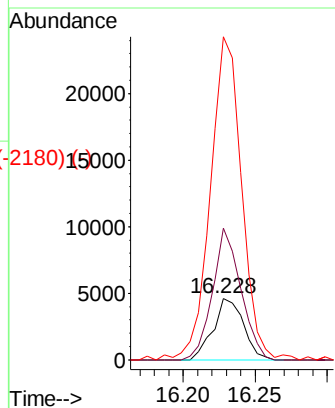
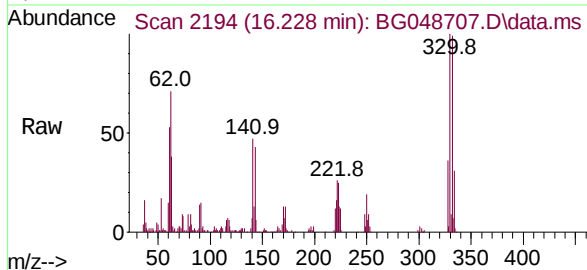
Abundance Scan 2270 (16.674 min): BG048693.D\data.ms (-263) (-)

4-Bromophenyl-phenylether  
Concen: 4.10 ng  
RT: 16.228 min Scan# 2194  
Delta R.T. -0.449 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampled :  
CL-02-041221



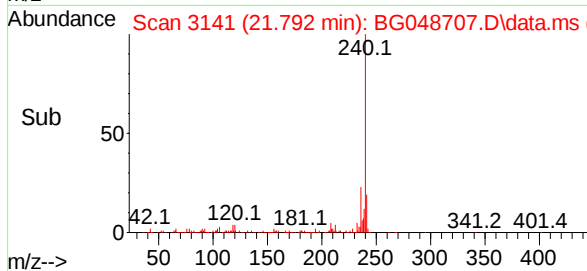
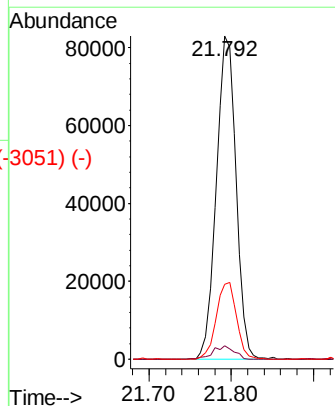
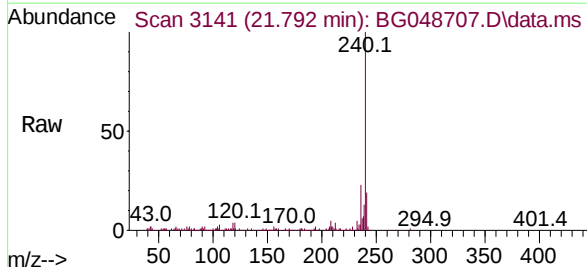
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 6761   |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 214.0 | 76.1  | 114.1# |
| 141       | 524.2 | 65.4  | 98.2#  |



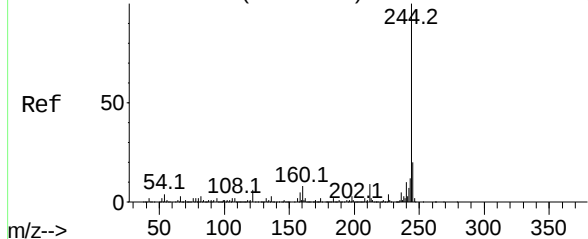
Abundance Scan 3142 (21.798 min): BG048693.D\data.ms (-3174) (-)

Chrysene-d12  
Concen: 20.00 ng  
RT: 21.792 min Scan# 3141  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 138739 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 4.2   | 4.2   | 6.2#   |
| 236       | 23.2  | 21.8  | 32.6   |



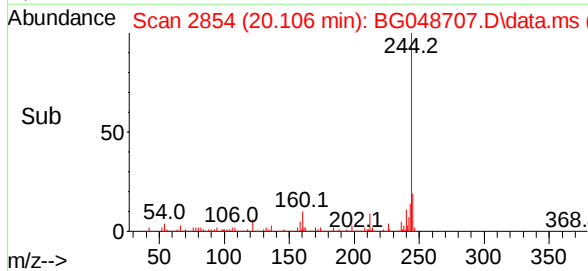
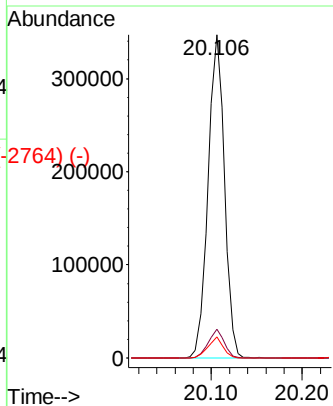
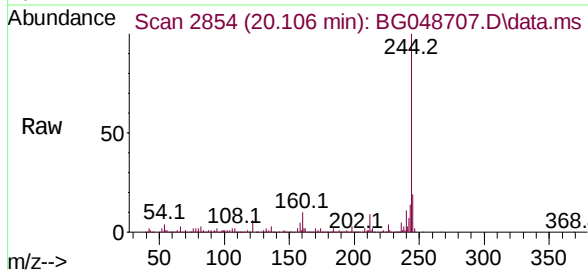
Abundance Scan 2854 (20.106 min): BG048693.D\data.ms (-2679) (-)



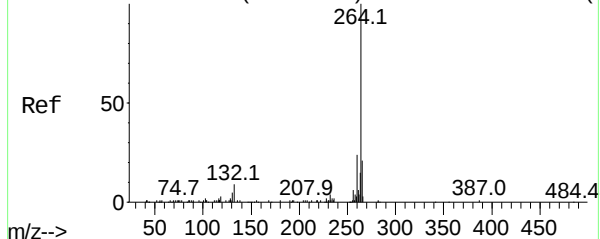
Terphenyl-d14  
Concen: 53.83 ng  
RT: 20.106 min Scan# 2854  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-041221

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 433890 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 8.8   | 6.9   | 10.3   |
| 122      | 6.5   | 5.0   | 7.6    |



Abundance Scan 3710 (25.135 min): BG048693.D\data.ms (-3620) (-)



Perylene-d12  
Concen: 20.00 ng  
RT: 25.135 min Scan# 3710  
Delta R.T. -0.003 min  
Lab File: BG048707.D  
Acq: 15 Apr 2021 13:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 136017 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 26.5  | 19.4  | 29.2   |
| 265      | 21.5  | 16.9  | 25.3   |

