

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\  
 Data File : BG046126.D  
 Acq On : 31 Jul 2020 15:25  
 Operator : CG/JU  
 Sample : L3489-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-2

Quant Time: Jul 31 16:03:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 18:43:49 2020  
 Response via : Initial Calibration

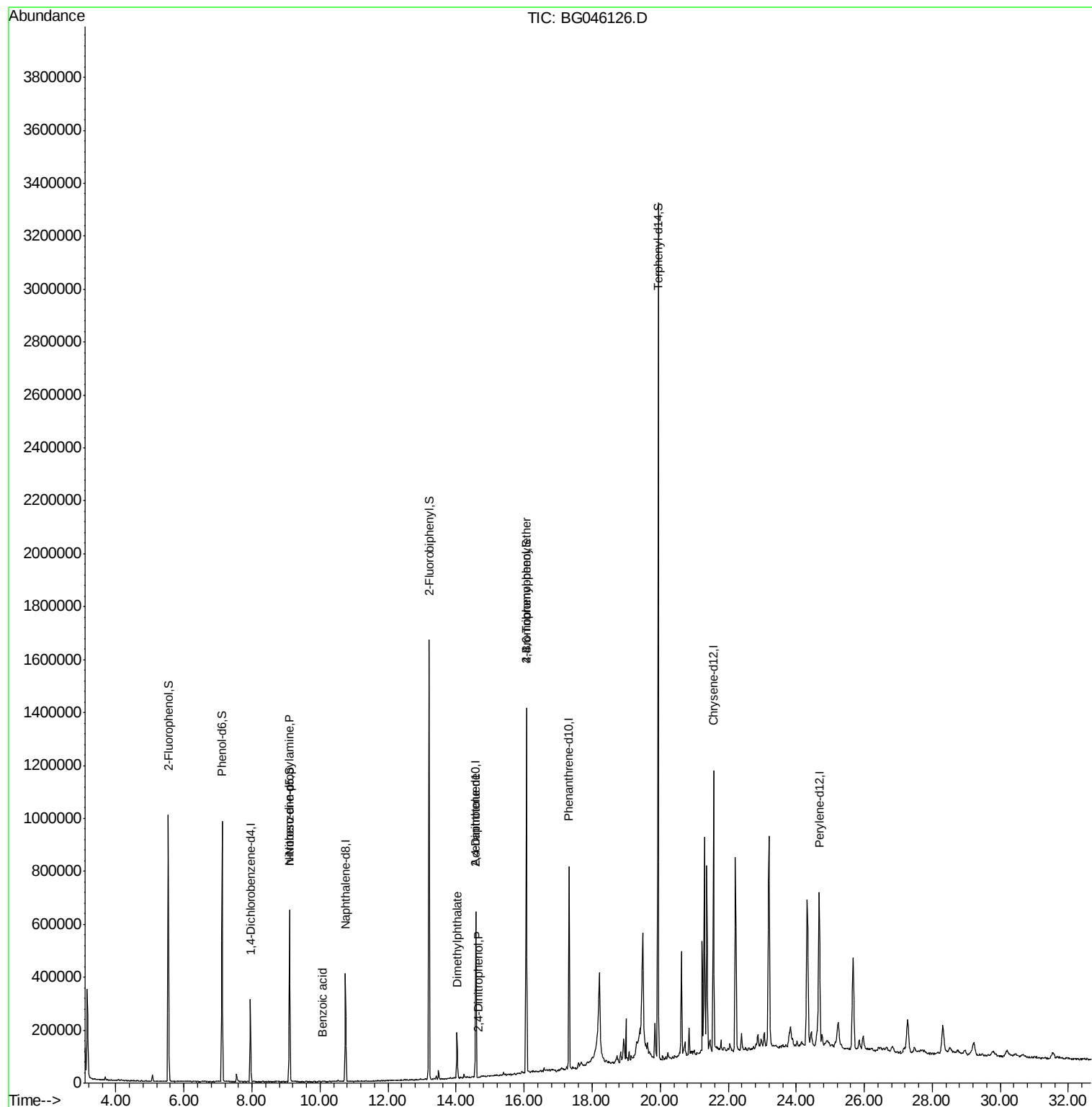
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.95  | 152  | 92329    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.75 | 136  | 352305   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.58 | 164  | 215170   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.32 | 188  | 485985   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.57 | 240  | 596056   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.67 | 264  | 616976   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.54  | 112  | 443535   | 83.51  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.12  | 99   | 560488   | 77.43  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.10  | 82   | 379088   | 58.26  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.07 | 330  | 291138   | 88.09  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.21 | 172  | 869890   | 58.73  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.94 | 244  | 1402252  | 47.91  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.10  | 70   | 50716    | 10.766 | ng    | # 76     |
| 32) Benzoic acid               | 10.06 | 122  | 86       | 9.428  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.03 | 163  | 117770   | 7.131  | ng    | # 99     |
| 54) 2,4-Dinitrophenol          | 14.65 | 184  | 55       | 7.087  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 14.58 | 165  | 28684    | 5.428  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether  | 16.07 | 248  | 18020    | 3.001  | ng    | # 1      |

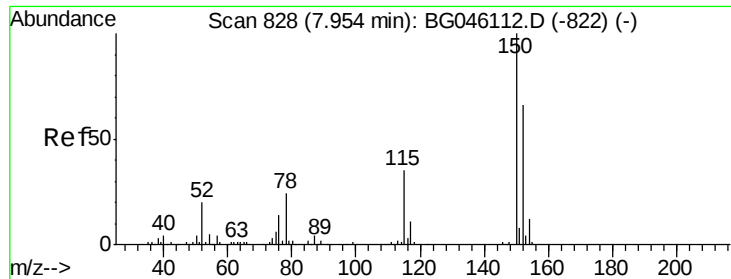
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 30 18:43:49 2020  
Response via : Initial Calibration



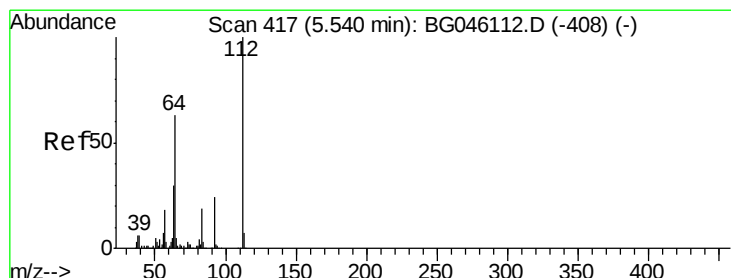
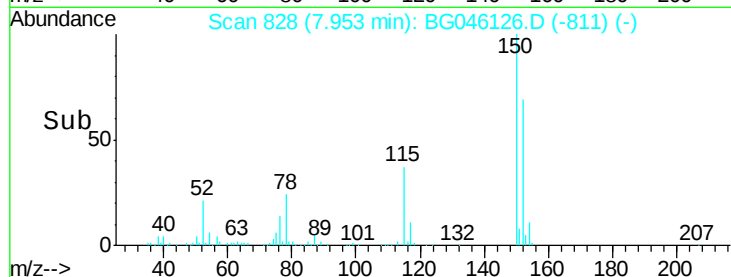
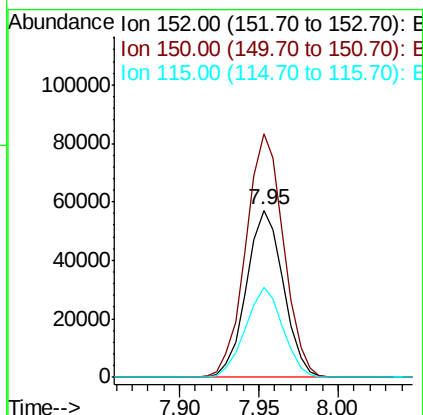
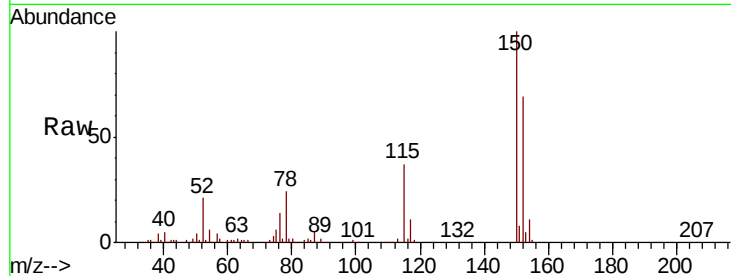


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Instrument :  
BNA\_G  
ClientSampled :  
CS-2

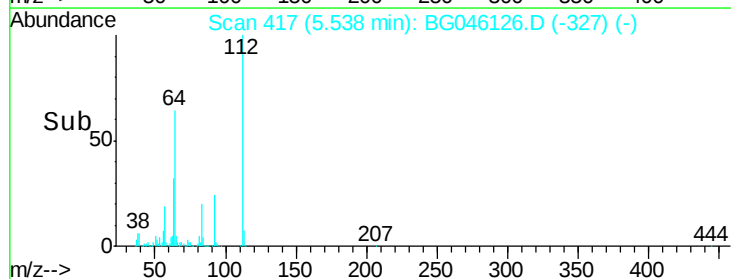
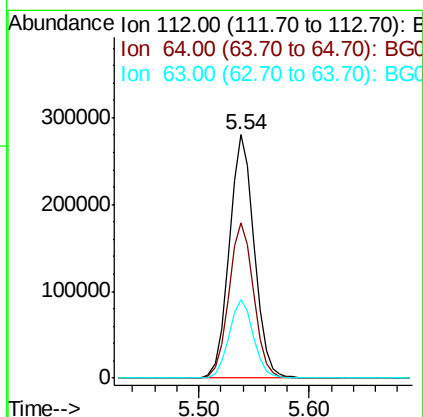
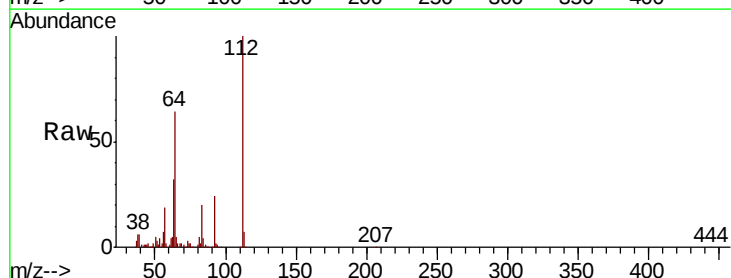
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.7 | 122.1 | 183.1 |
| 115     | 53.8  | 43.2  | 64.8  |

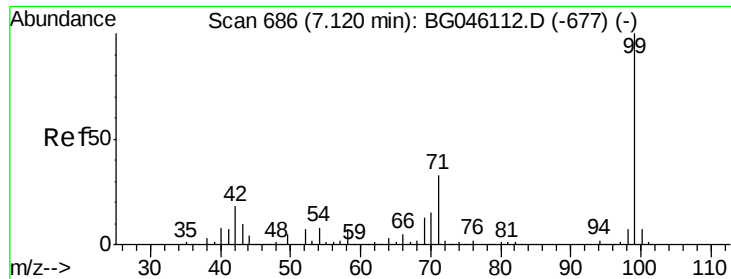


#5

2-Fluorophenol  
Concen: 83.509 ng  
RT: 5.54 min Scan# 417  
Delta R.T. -0.00 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.0  | 50.2  | 75.2  |
| 63      | 32.0  | 24.2  | 36.4  |





#7

Phenol-d6

Concen: 77.431 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046126.D

Acq: 31 Jul 2020 15:25

Instrument :

BNA\_G

ClientSampled :

CS-2

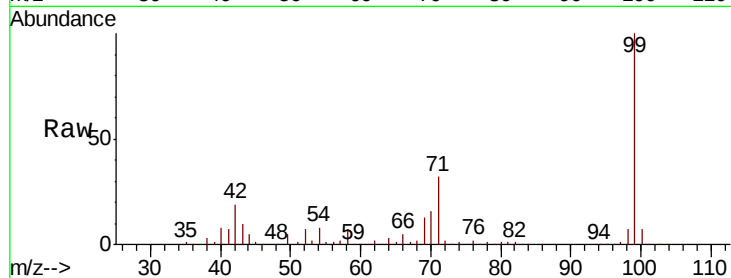
Tot Ion: 99 Resp: 560488

Ion Ratio Lower Upper

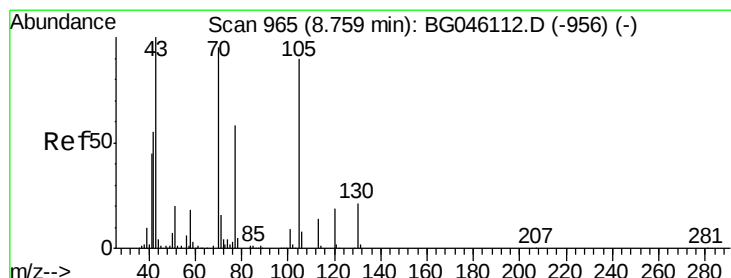
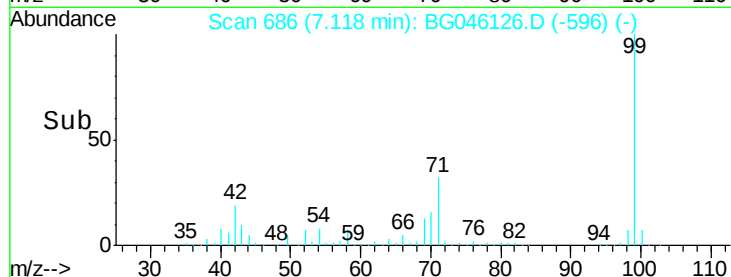
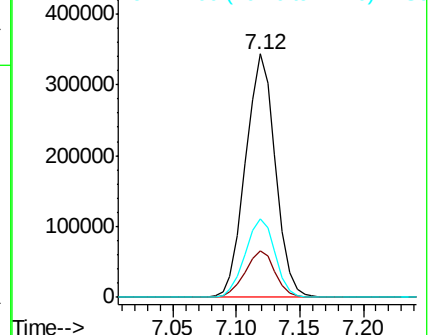
99 100

42 18.9 14.7 22.1

71 32.1 26.5 39.7



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 10.766 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046126.D

Acq: 31 Jul 2020 15:25

Tgt Ion: 70 Resp: 50716

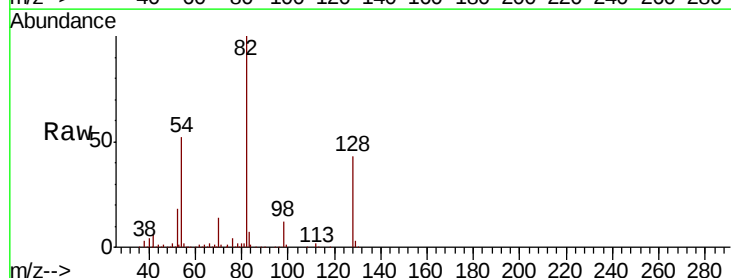
Ion Ratio Lower Upper

70 100

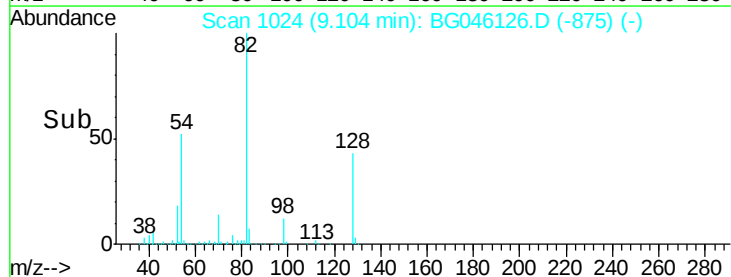
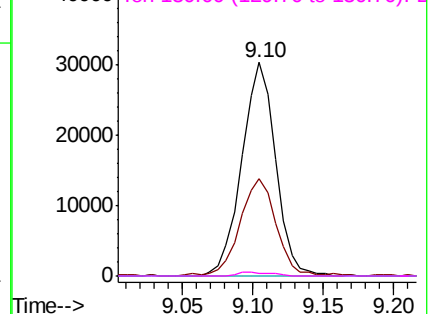
42 45.6 46.5 69.7#

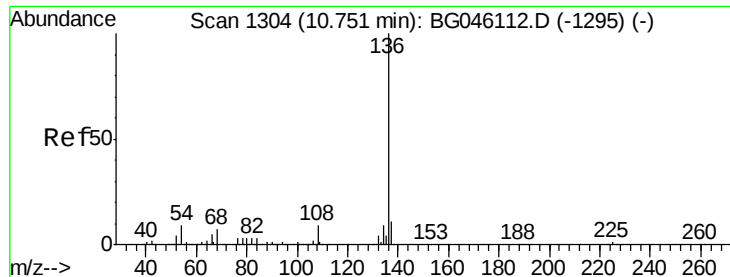
101 0.0 7.6 11.4#

130 1.4 17.3 25.9#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

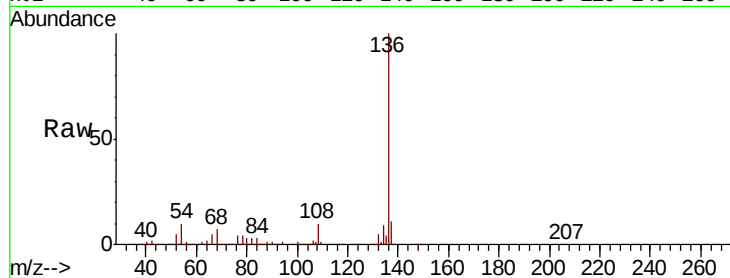




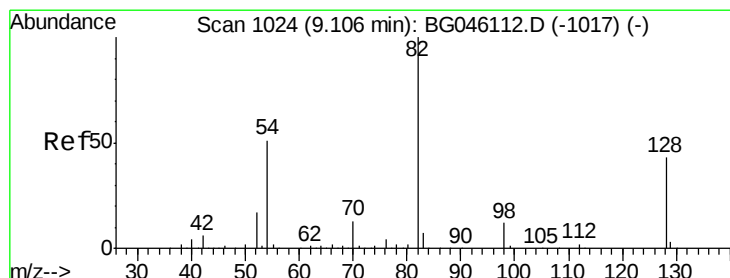
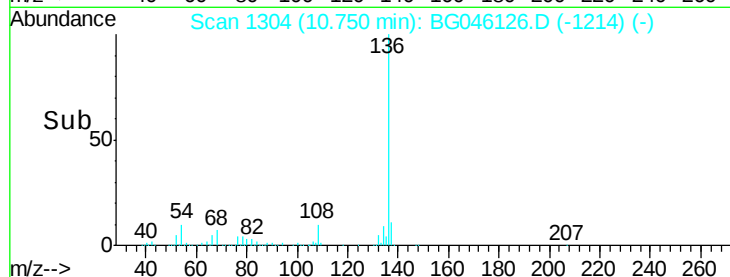
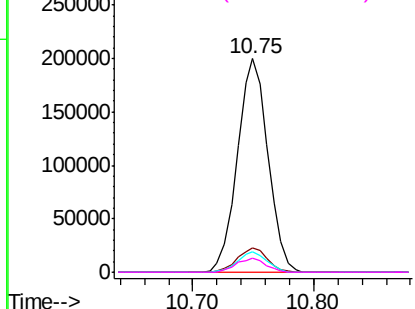
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
CS-2

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 352305 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.3    | 8.8   | 13.2   |
| 54 9.5      | 7.0   | 10.4   |
| 68 6.6      | 5.3   | 7.9    |

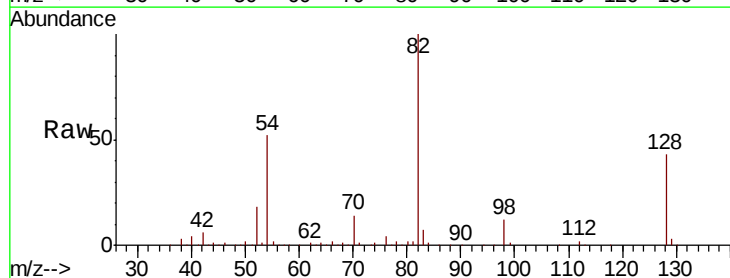


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

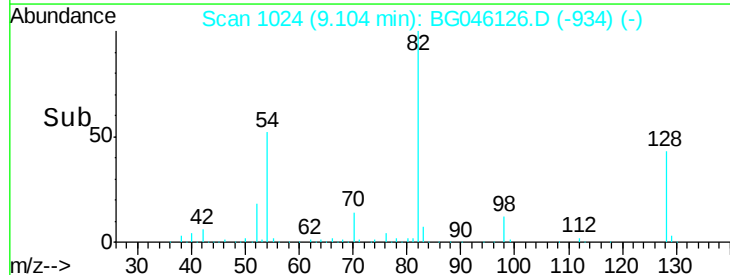
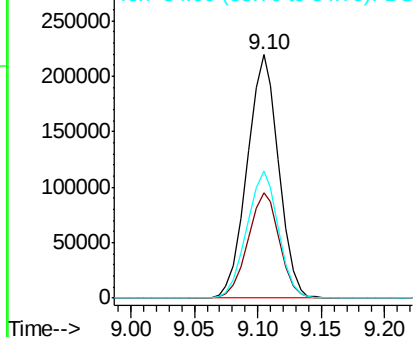


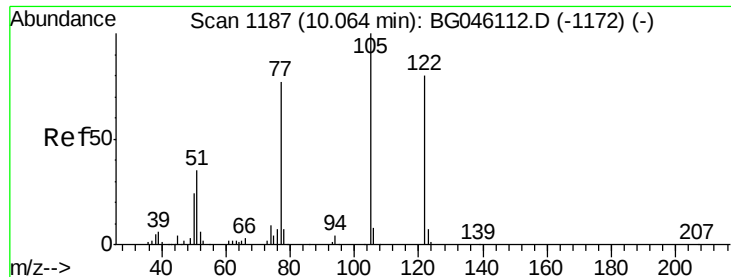
#23  
Nitrobenzene-d5  
Concen: 58.259 ng  
RT: 9.10 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 379088 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 43.4    | 34.4  | 51.6   |
| 54  | 52.4    | 40.8  | 61.2   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC

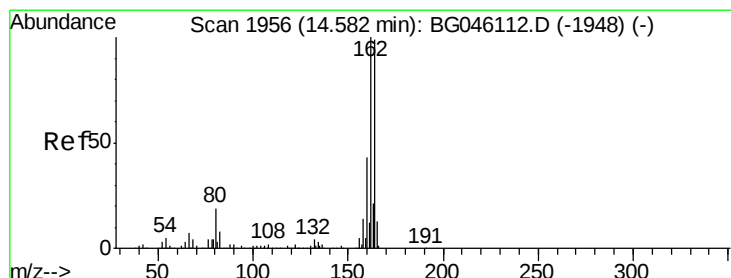
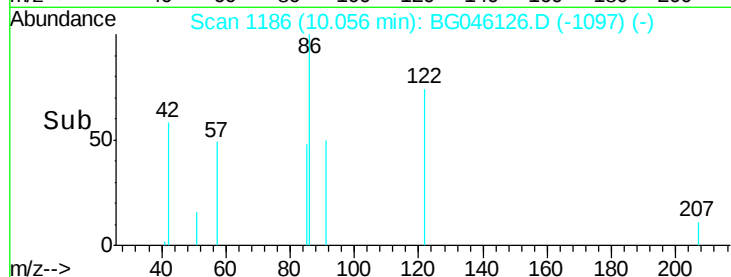
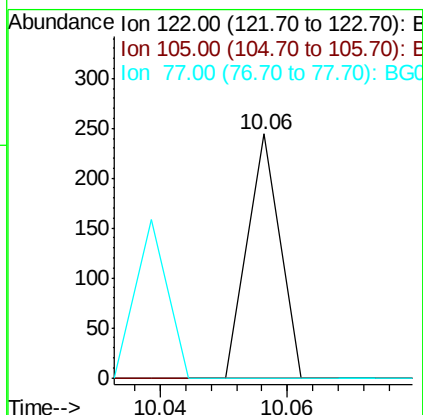
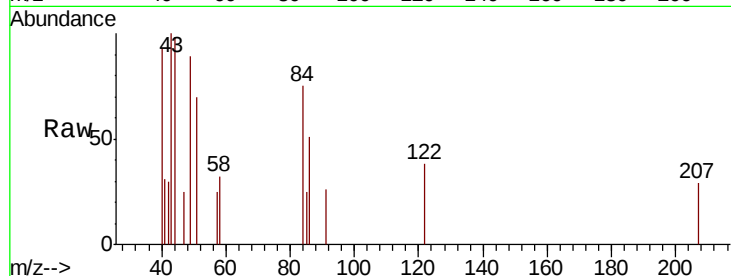




#32  
Benzoic acid  
Concen: 9.428 ng  
RT: 10.06 min Scan# 1186  
Delta R.T. -0.01 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

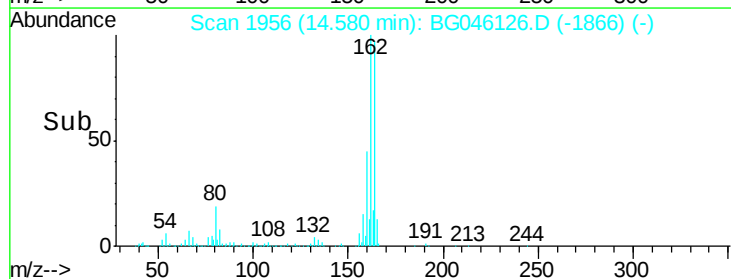
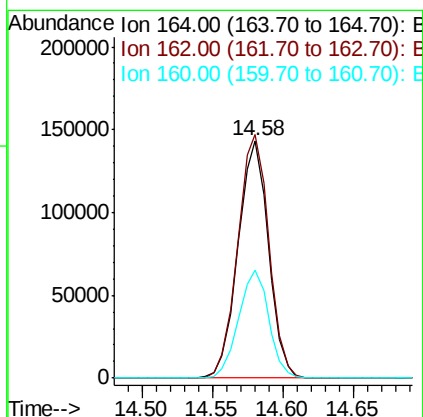
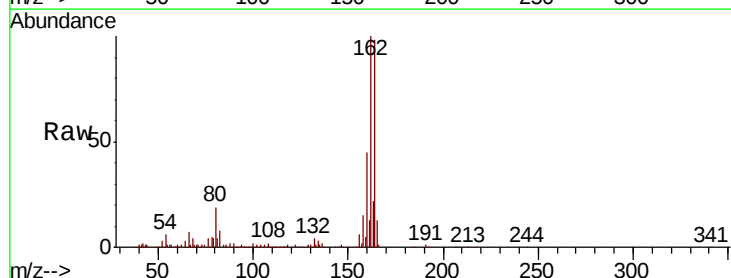
Instrument :  
BNA\_G  
ClientSampleId :  
CS-2

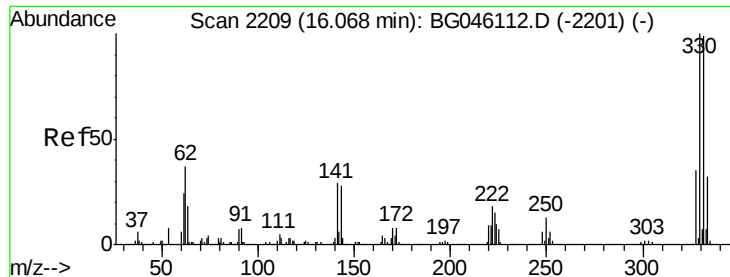
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 103.0 | 143.0# |
| 77      | 0.0   | 75.2  | 115.2# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.58 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 80.6  | 121.0 |
| 160     | 45.6  | 34.9  | 52.3  |

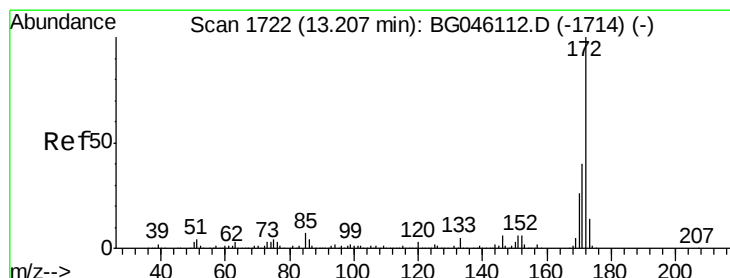
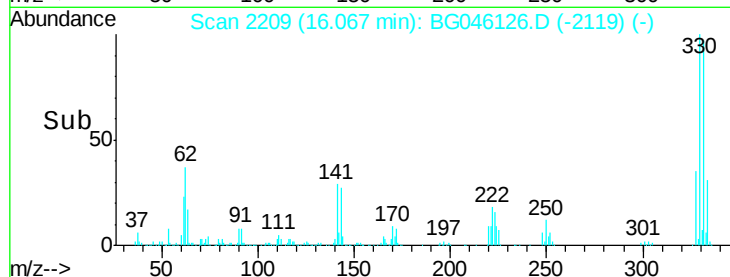
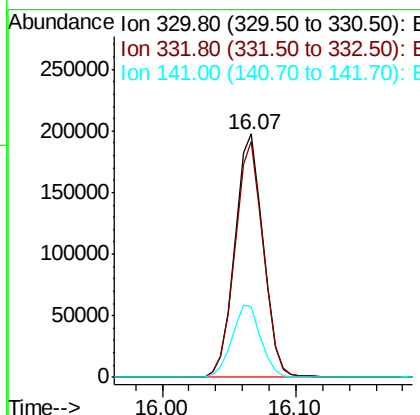
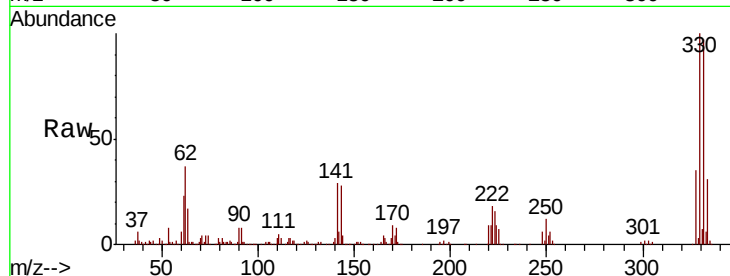




#42  
 2,4,6-Tribromophenol  
 Concen: 88.091 ng  
 RT: 16.07 min Scan# 2209  
 Delta R.T. -0.00 min  
 Lab File: BG046126.D  
 Acq: 31 Jul 2020 15:25

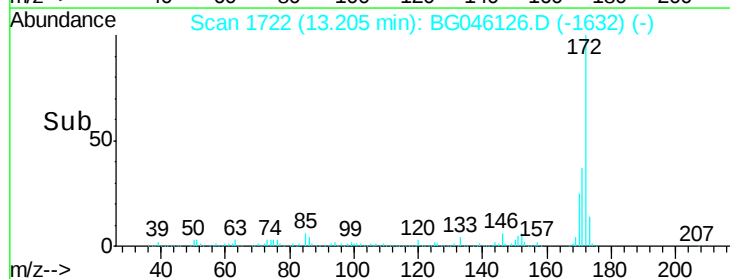
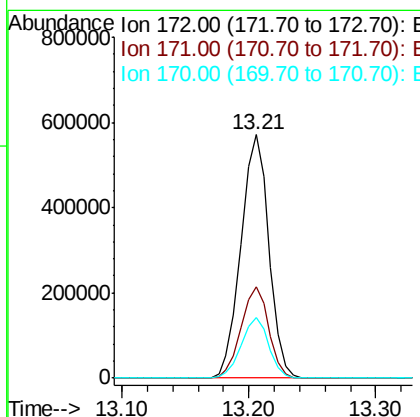
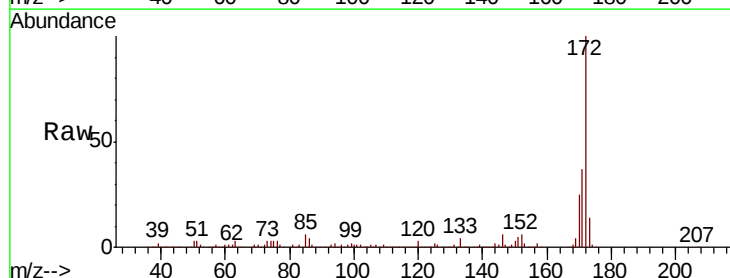
Instrument :  
 BNA\_G  
 ClientSampled :  
 CS-2

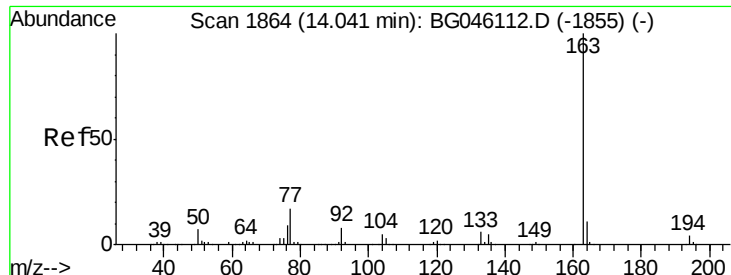
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.4  | 116.2 |
| 141     | 30.6  | 23.4  | 35.0  |



#45  
 2-Fluorobiphenyl  
 Concen: 58.727 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.00 min  
 Lab File: BG046126.D  
 Acq: 31 Jul 2020 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 31.7  | 47.5  |
| 170     | 24.8  | 20.9  | 31.3  |

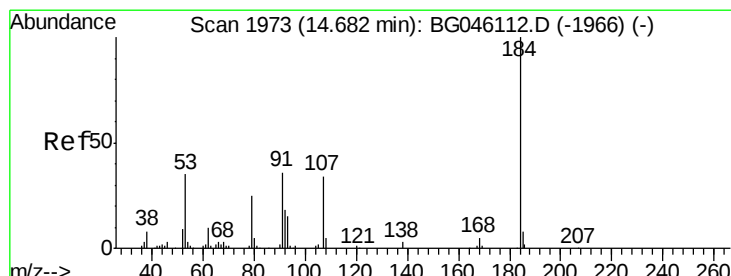
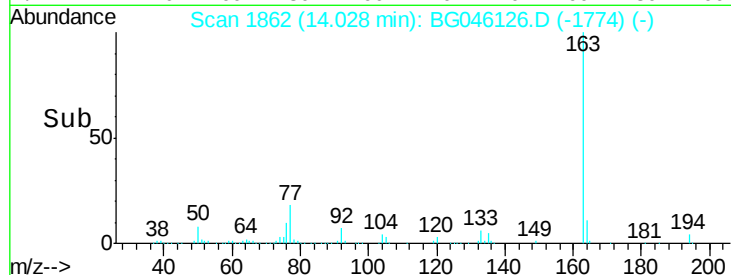
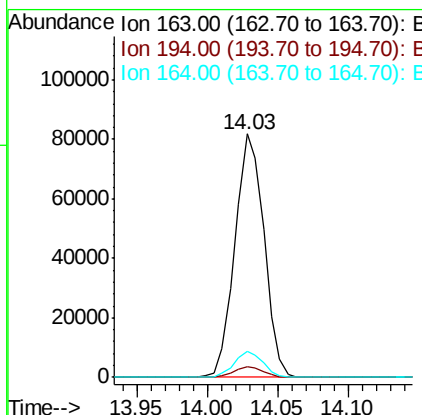
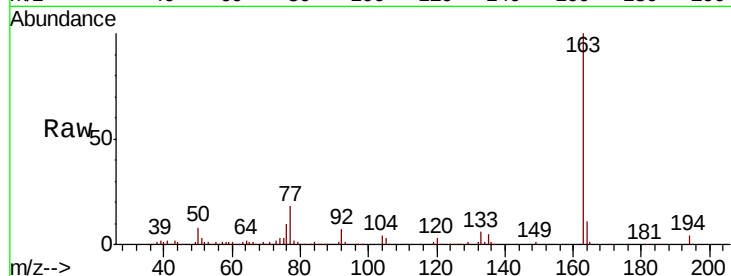




#50  
Dimethylphthalate  
Concen: 7.131 ng  
RT: 14.03 min Scan# 1862  
Delta R.T. -0.01 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

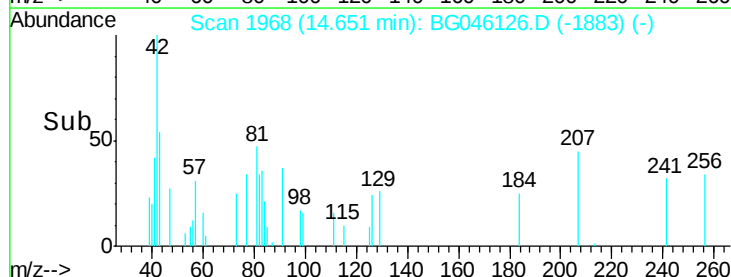
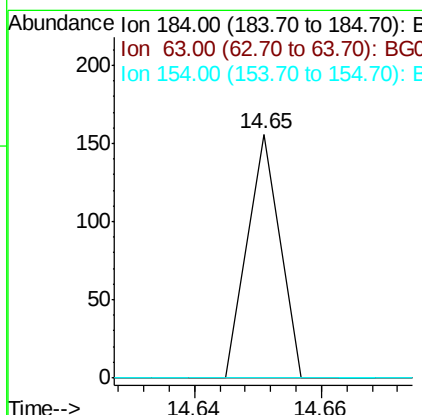
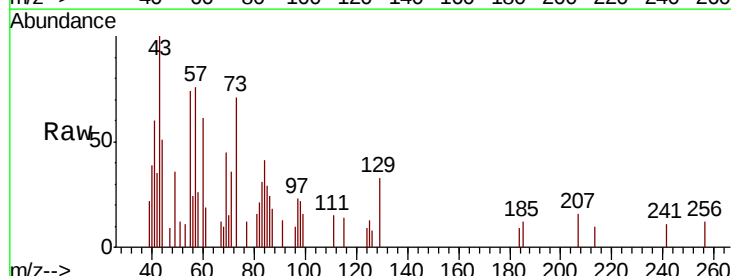
Instrument :  
BNA\_G  
ClientSampled :  
CS-2

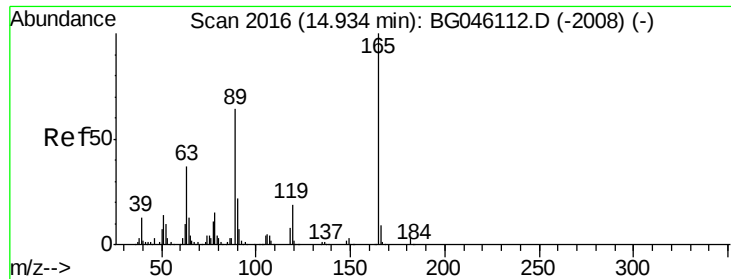
Tot Ion:163 Resp: 117770  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 10.5 8.8 13.2



#54  
2,4-Dinitrophenol  
Concen: 7.087 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.03 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Tgt Ion:184 Resp: 55  
Ion Ratio Lower Upper  
184 100  
63 0.0 36.7 55.1#  
154 0.0 41.3 61.9#

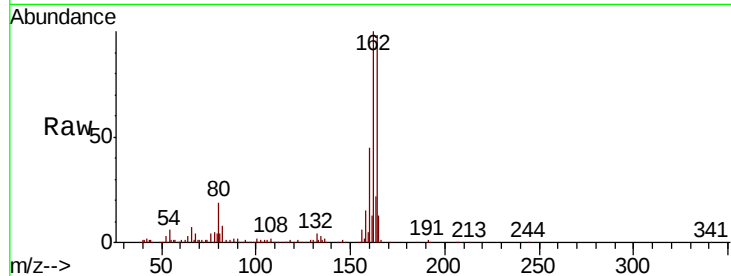




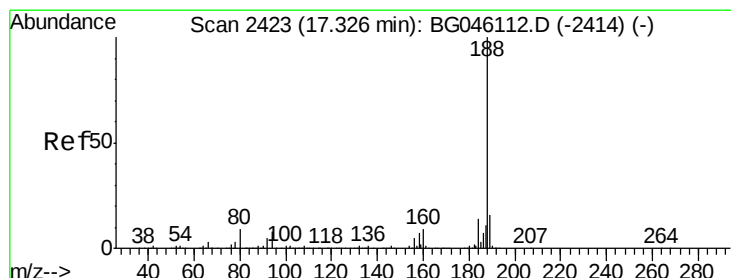
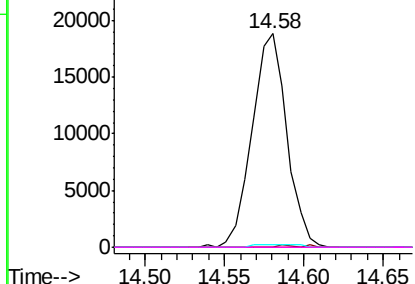
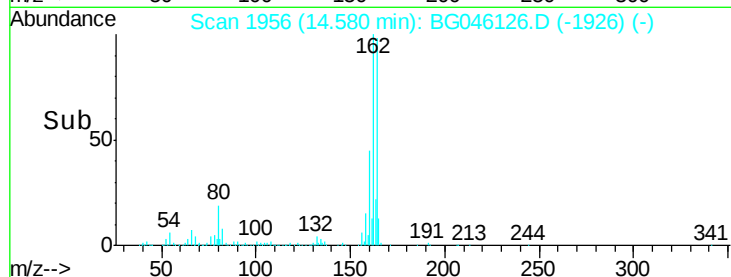
#57  
2,4-Dinitrotoluene  
Concen: 5.428 ng  
RT: 14.58 min Scan# 1956  
Delta R.T. -0.35 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
CS-2

Tot Ion:165 Resp: 28684  
Ion Ratio Lower Upper  
165 100  
63 0.0 30.1 45.1#  
89 1.2 51.4 77.2#  
182 0.0 2.3 3.5#

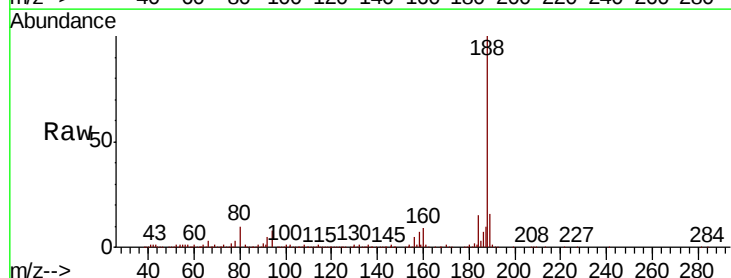


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

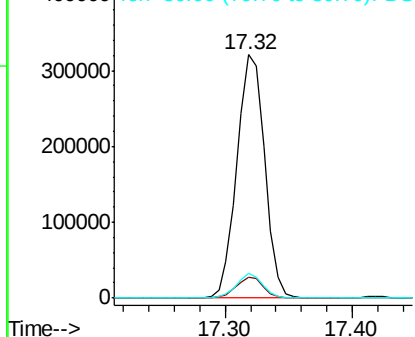
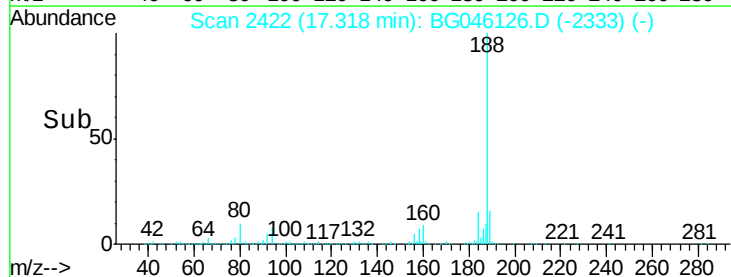


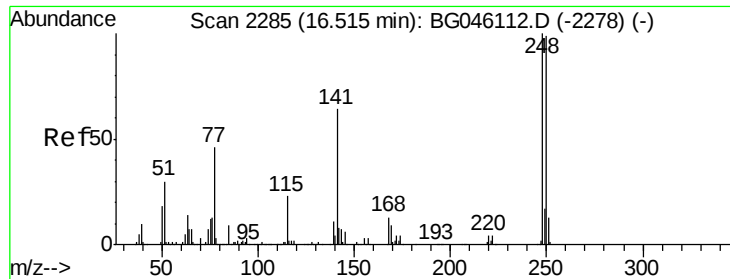
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.32 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Tgt Ion:188 Resp: 485985  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.4 9.6  
80 10.2 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

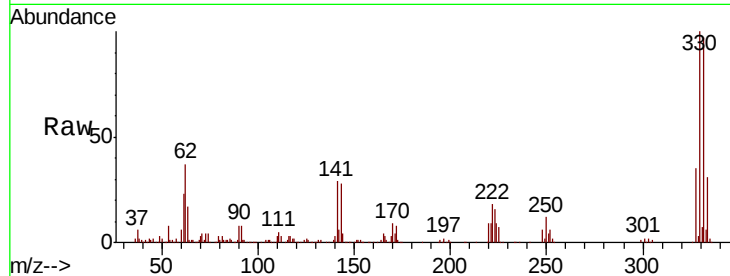




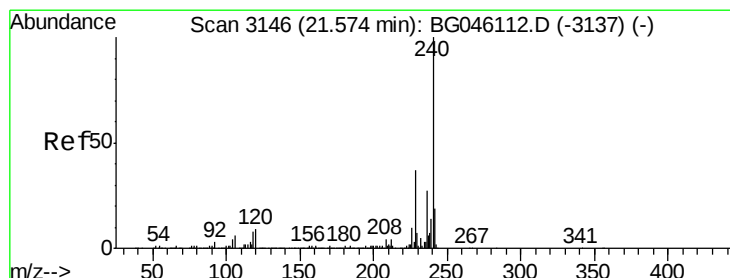
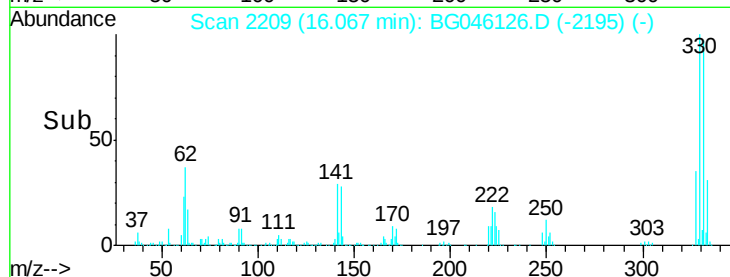
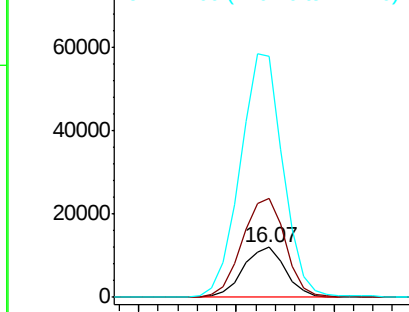
#67  
4-Bromophenyl-phenylether  
Concen: 3.001 ng  
RT: 16.07 min Scan# 2209  
Delta R.T. -0.45 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
CS-2

Tot Ion:248 Resp: 18020  
Ion Ratio Lower Upper  
248 100  
250 197.7 79.4 119.0#  
141 479.1 50.9 76.3#

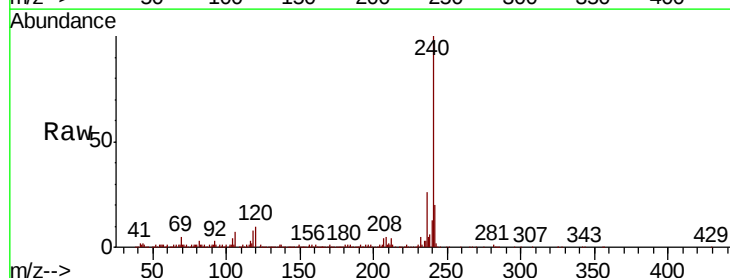


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

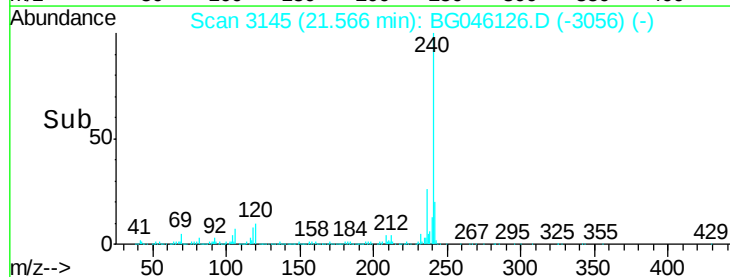
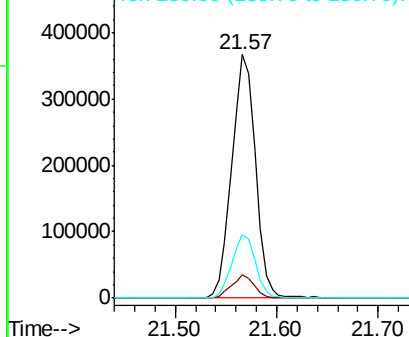


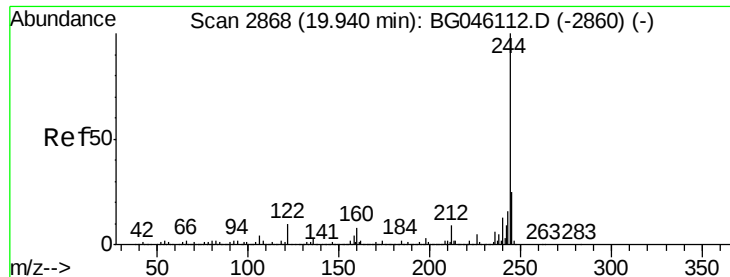
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.57 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG046126.D  
Acq: 31 Jul 2020 15:25

Tgt Ion:240 Resp: 596056  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.1 10.7  
236 26.2 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 47.913 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046126.D

Acq: 31 Jul 2020 15:25

Instrument :

BNA\_G

ClientSampled :

CS-2

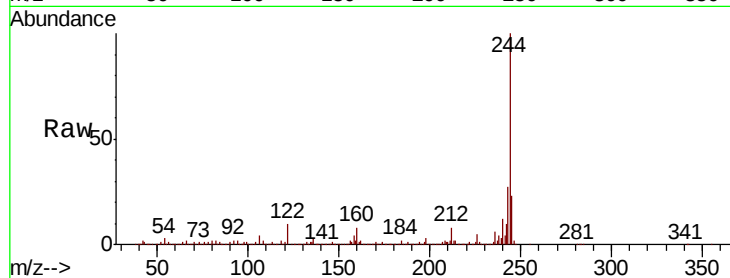
Tot Ion:244 Resp: 1402252

Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

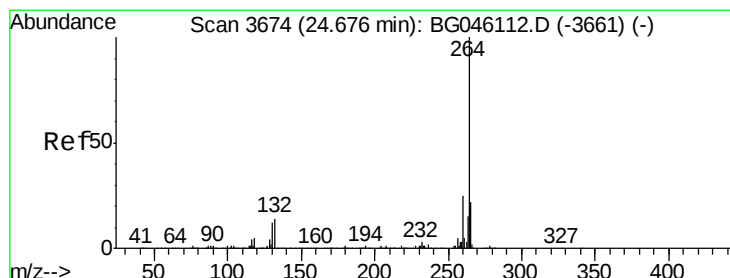
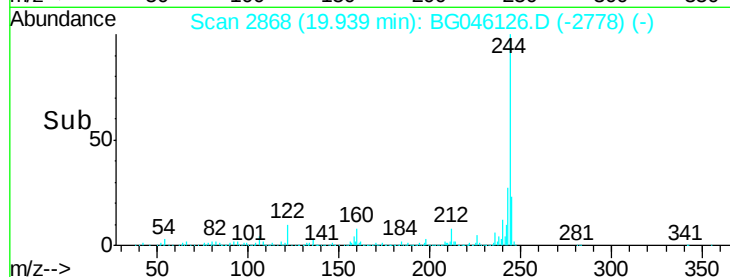
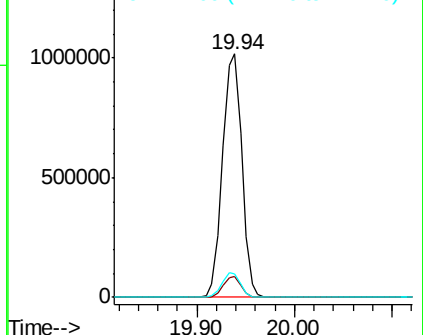
122 9.6 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG046126.D

Acq: 31 Jul 2020 15:25

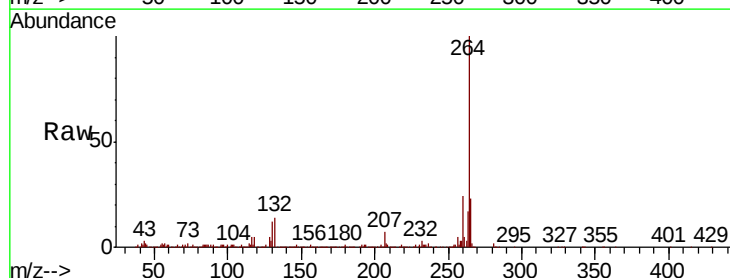
Tgt Ion:264 Resp: 616976

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 23.0 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

