

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
 Data File : BG042606.D  
 Acq On : 30 Aug 2019 18:42  
 Operator : HP/JU  
 Sample : K4409-17  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 30 23:13:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

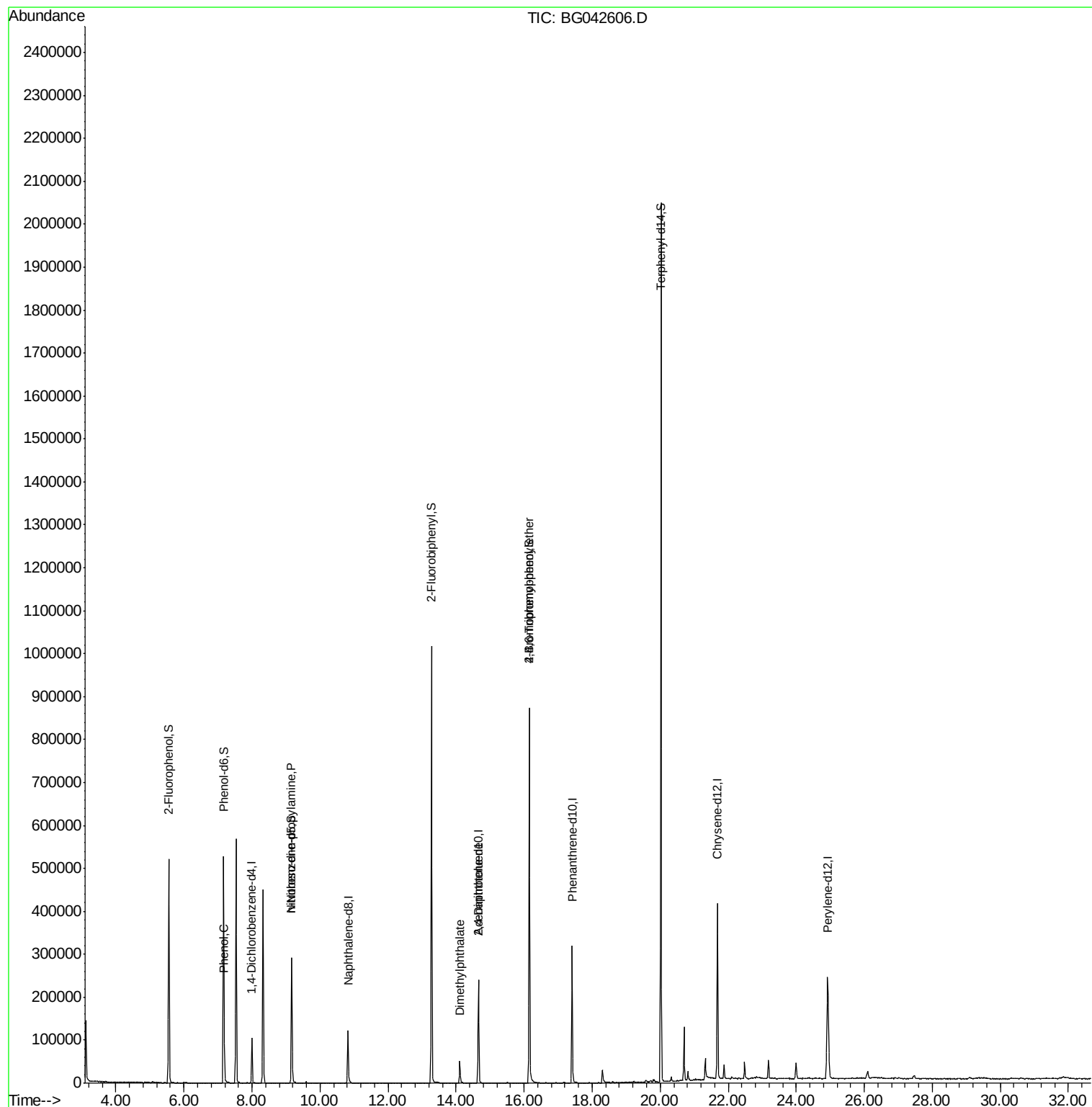
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 35197    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 134858   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.66 | 164  | 101127   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.41 | 188  | 239649   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.68 | 240  | 257282   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.92 | 264  | 299861   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 257506   | 148.17 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.17  | 99   | 341293   | 145.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 196781   | 100.83 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.15 | 330  | 227017   | 157.94 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 606608   | 101.45 | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 1083540  | 91.05  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.19  | 94   | 25910    | 10.856 | ng    | 92       |
| 19) n-Nitroso-di-n-propylamine | 9.16  | 70   | 25985    | 17.086 | ng    | # 80     |
| 50) Dimethylphthalate          | 14.11 | 163  | 54810    | 7.512  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 12878    | 5.317  | ng    | # 38     |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 15861    | 5.218  | ng    | # 1      |

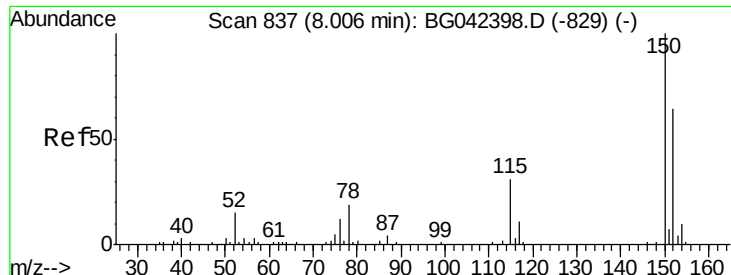
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
Data File : BG042606.D  
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Sample : K4409-17  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :

Quant Time: Aug 30 23:13:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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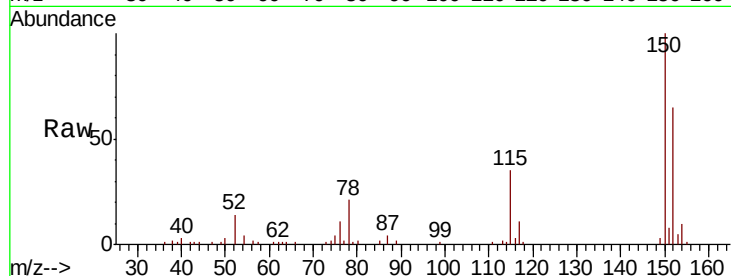


#1

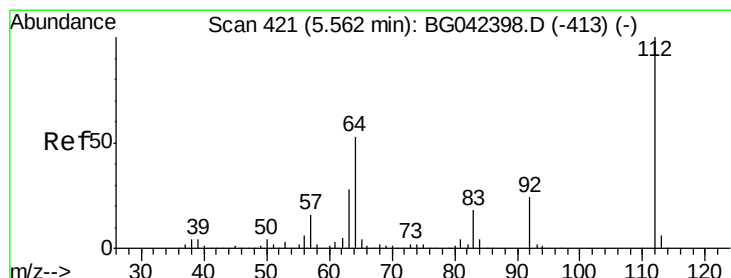
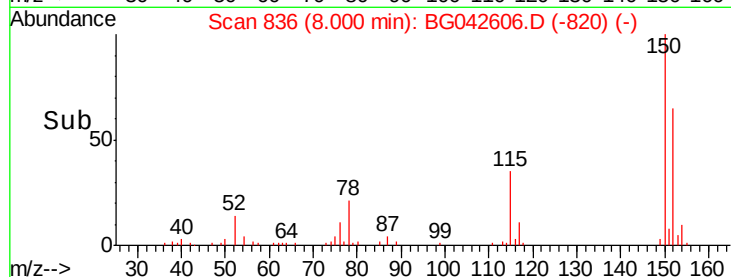
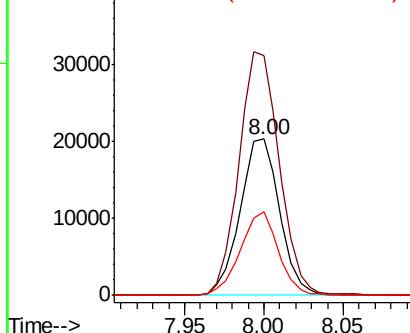
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 35197  
Ion Ratio Lower Upper  
152 100  
150 153.9 125.4 188.0  
115 53.5 38.5 57.7



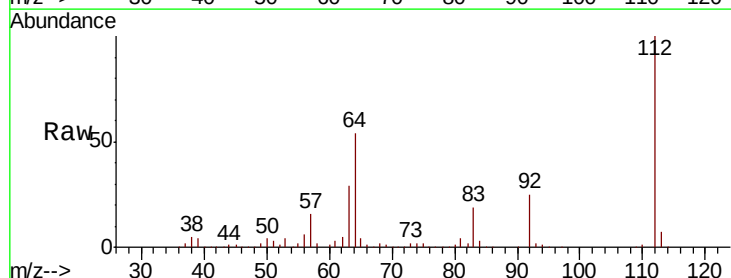
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



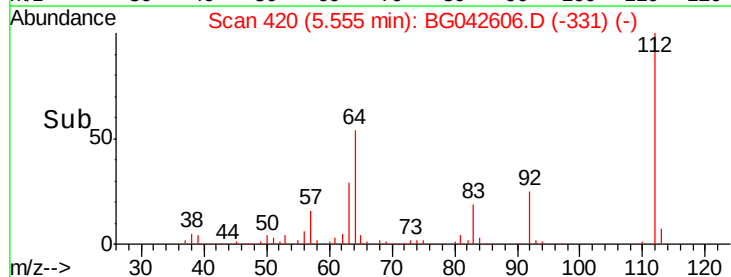
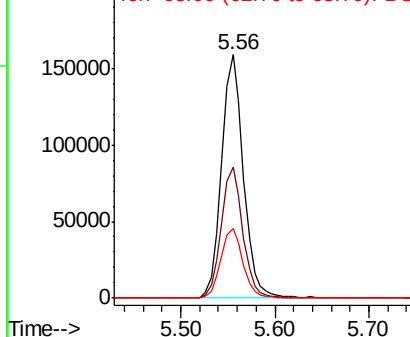
#5

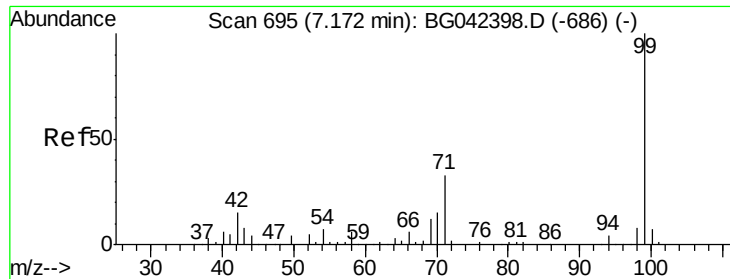
2-Fluorophenol  
Concen: 148.173 ng  
RT: 5.56 min Scan# 420  
Delta R.T. -0.01 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

Tgt Ion:112 Resp: 257506  
Ion Ratio Lower Upper  
112 100  
64 53.7 42.8 64.2  
63 28.6 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 145.387 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042606.D

Acq: 30 Aug 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

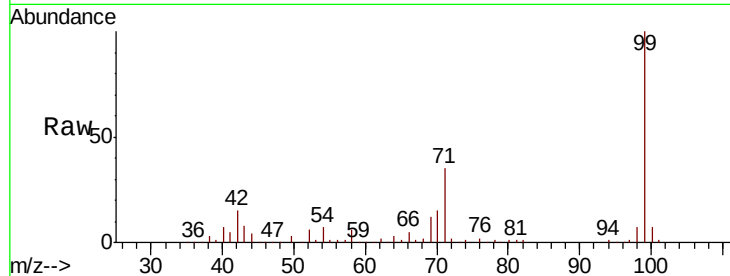
Tot Ion: 99 Resp: 341293

Ion Ratio Lower Upper

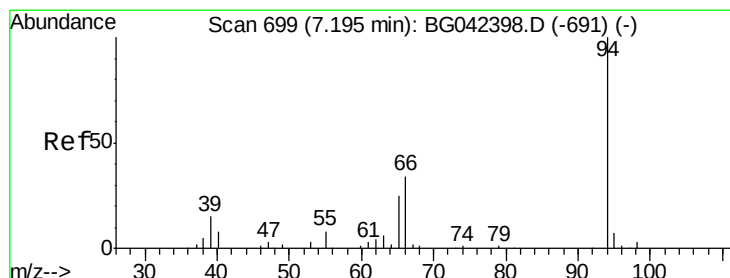
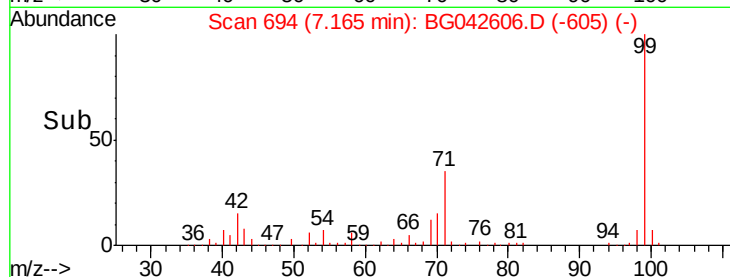
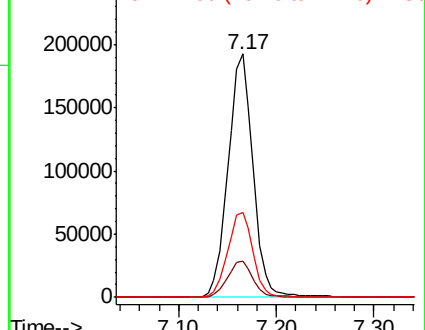
99 100

42 15.1 12.0 18.0

71 35.1 26.3 39.5



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



#10

Phenol

Concen: 10.856 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042606.D

Acq: 30 Aug 2019 18:42

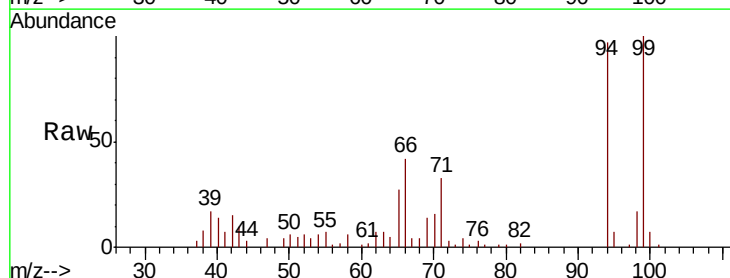
Tgt Ion: 94 Resp: 25910

Ion Ratio Lower Upper

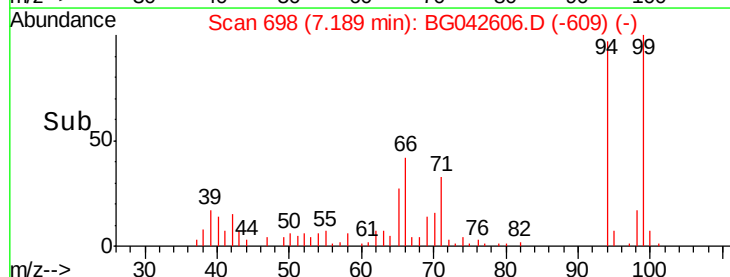
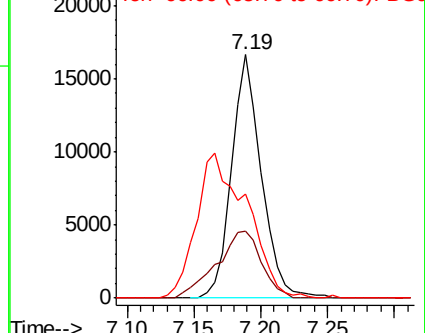
94 100

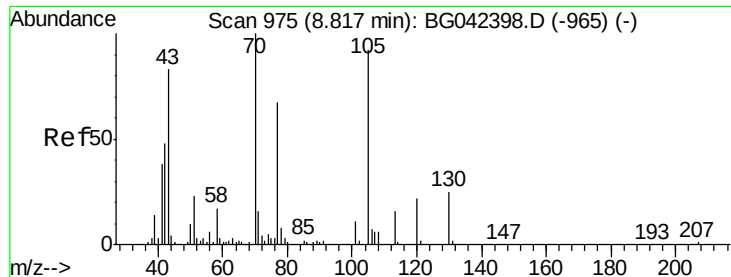
65 27.7 5.6 45.6

66 42.7 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

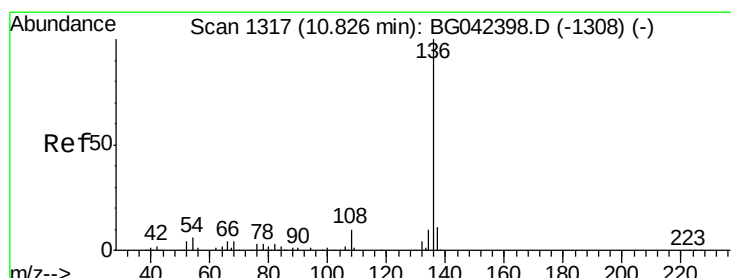
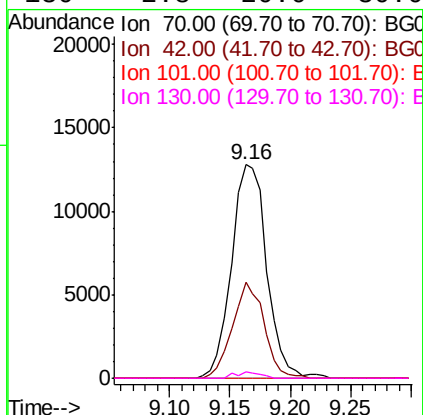
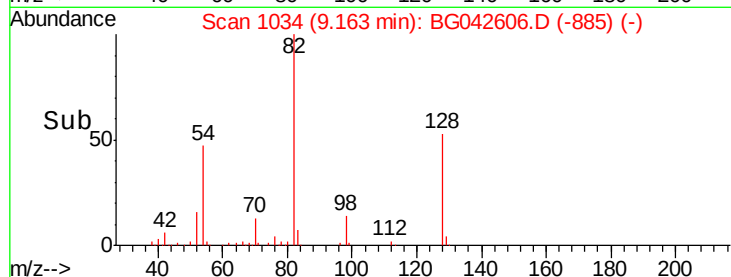
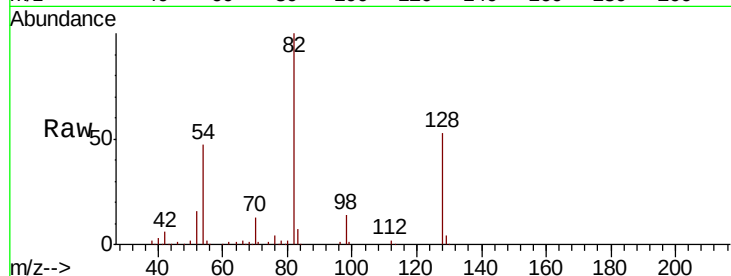




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.086 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. 0.35 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

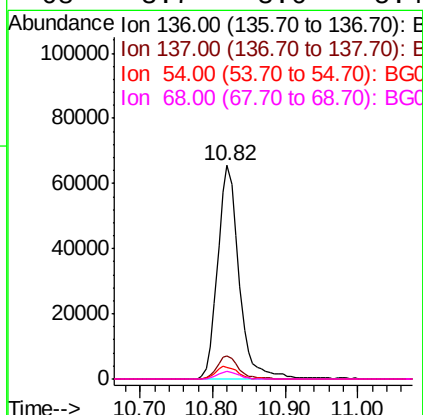
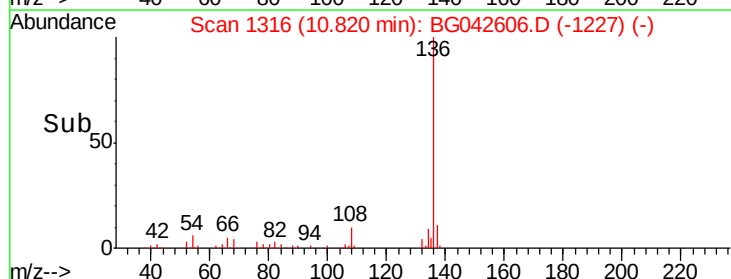
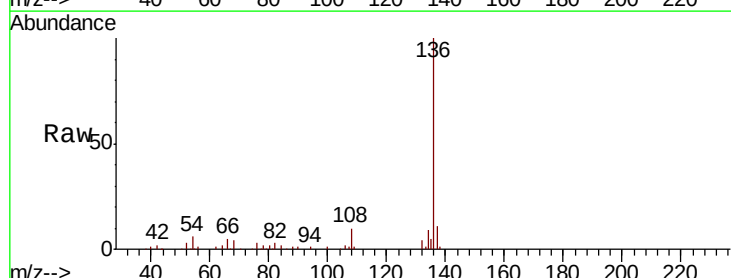
Instrument :  
BNA\_G  
ClientSampleId :

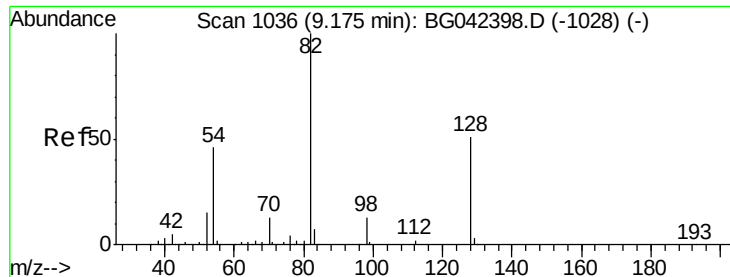
Tot Ion: 70 Resp: 25985  
Ion Ratio Lower Upper  
70 100  
42 44.7 38.8 58.2  
101 0.0 9.0 13.6#  
130 2.8 20.0 30.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

Tgt Ion:136 Resp: 134858  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.7 13.1  
54 5.6 4.9 7.3  
68 3.7 3.6 5.4

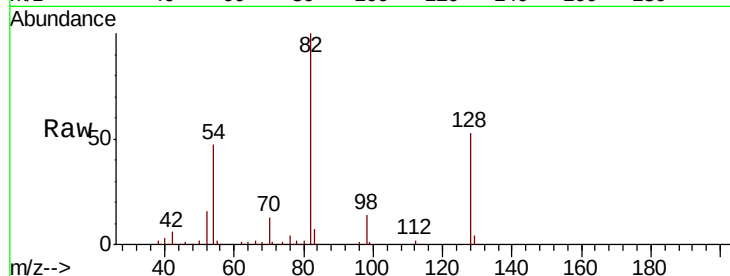




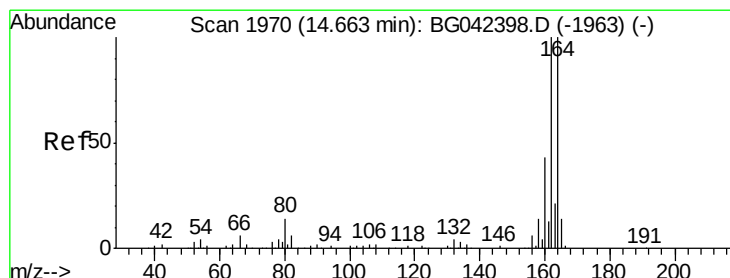
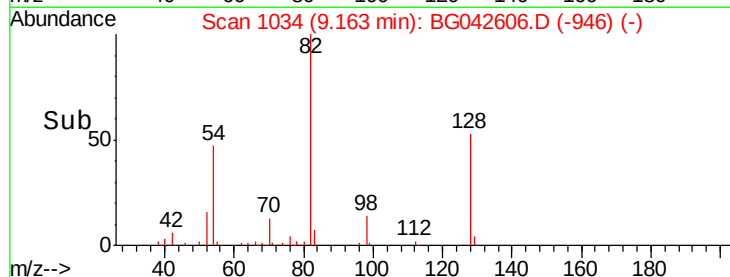
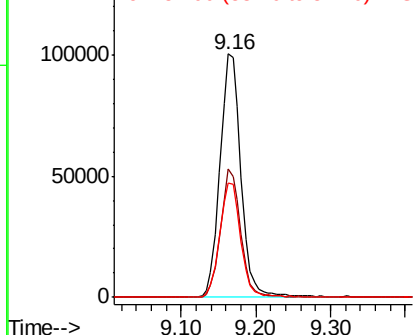
#23  
 Nitrobenzene-d5  
 Concen: 100.835 ng  
 RT: 9.16 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion   | 82    | Resp  | 196781 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 52.6  | 40.7  | 61.1   |
| 54        | 46.9  | 36.3  | 54.5   |

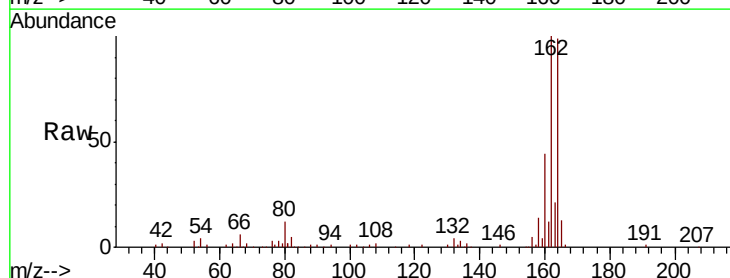


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

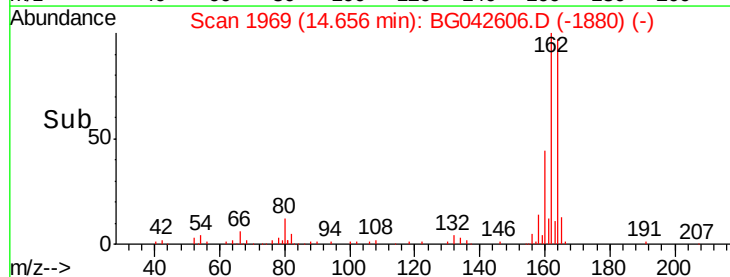
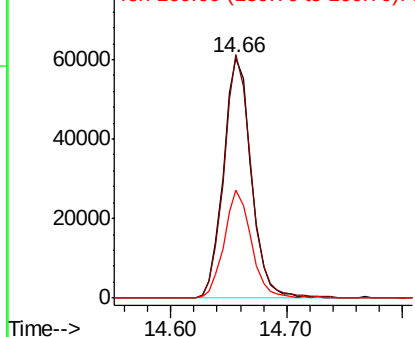


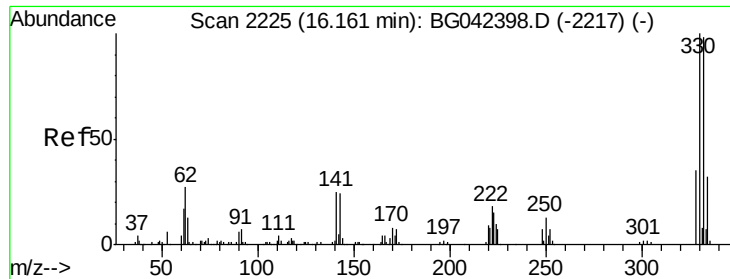
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

| Tgt Ion   | 164   | Resp  | 101127 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.5 | 79.9  | 119.9  |
| 160       | 45.0  | 34.3  | 51.5   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

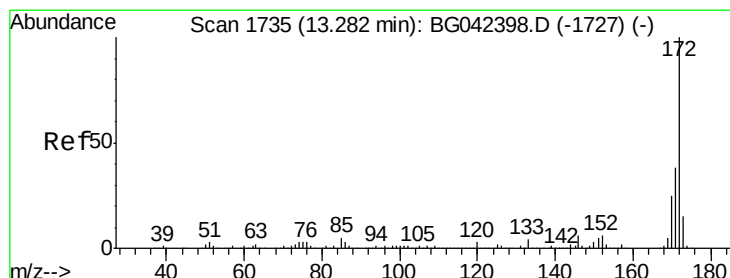
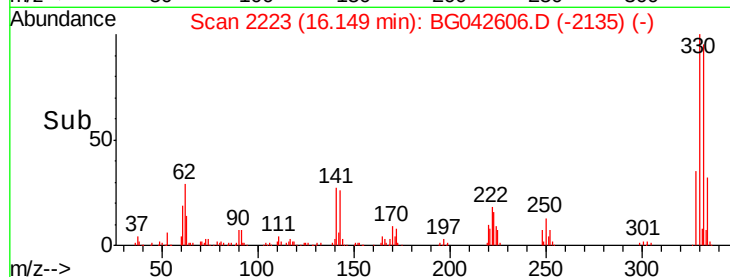
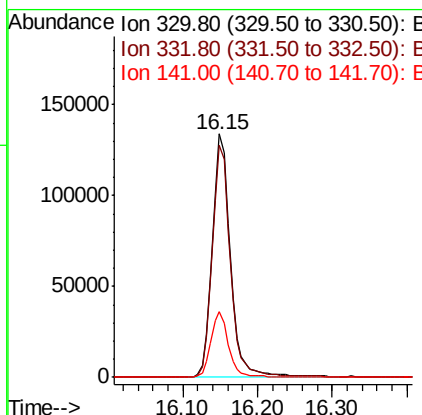
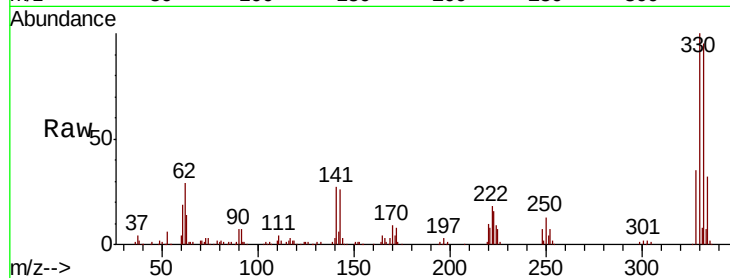




#42  
 2,4,6-Tribromophenol  
 Concen: 157.941 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

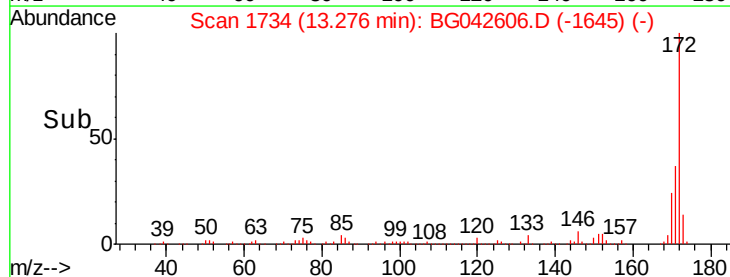
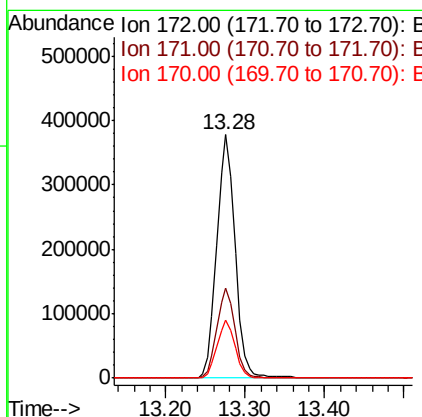
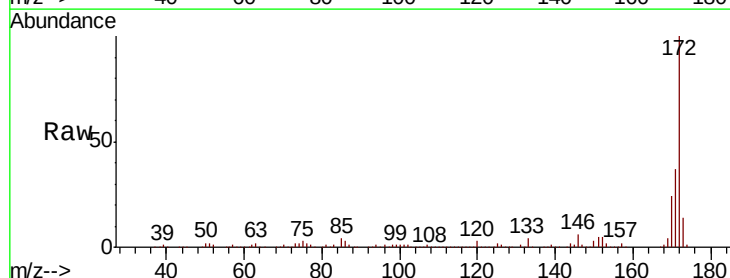
Instrument :  
 BNA\_G  
 ClientSampleId :

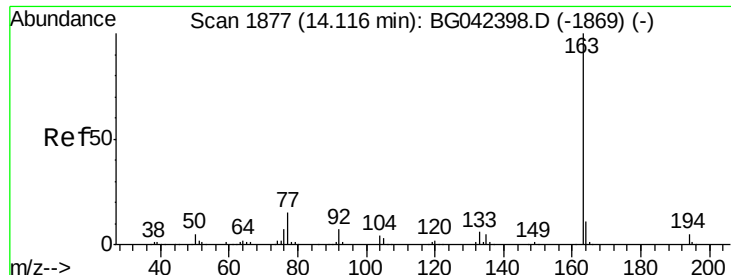
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.4  | 116.0 |
| 141     | 26.2  | 21.4  | 32.0  |



#45  
 2-Fluorobiphenyl  
 Concen: 101.451 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 30.5  | 45.7  |
| 170     | 23.8  | 20.2  | 30.2  |





#50

Dimethylphthalate

Concen: 7.512 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042606.D

Acq: 30 Aug 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

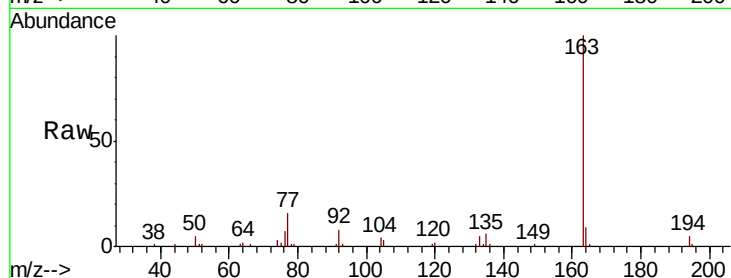
Tot Ion:163 Resp: 54810

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

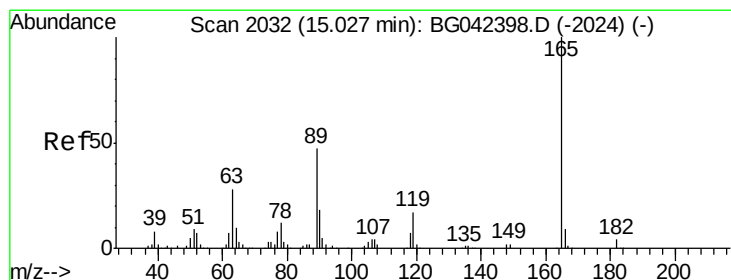
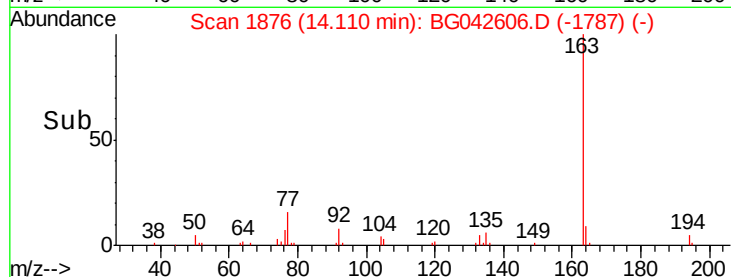
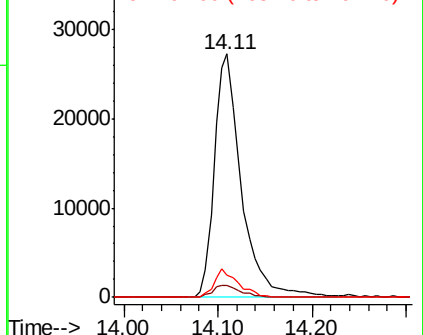
164 9.3 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.317 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042606.D

Acq: 30 Aug 2019 18:42

Tgt Ion:165 Resp: 12878

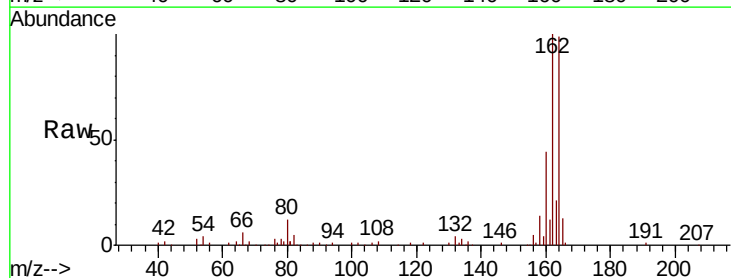
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

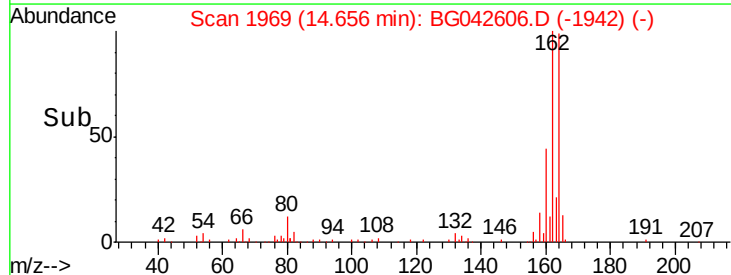
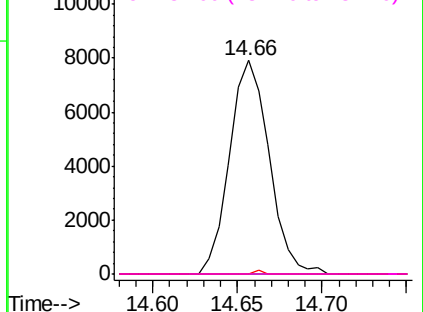


Abundance Ion 165.00 (164.70 to 165.70): E

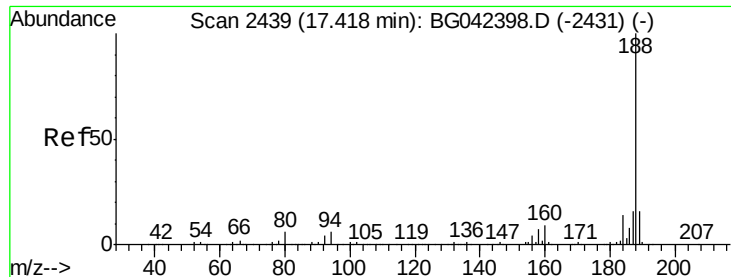
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



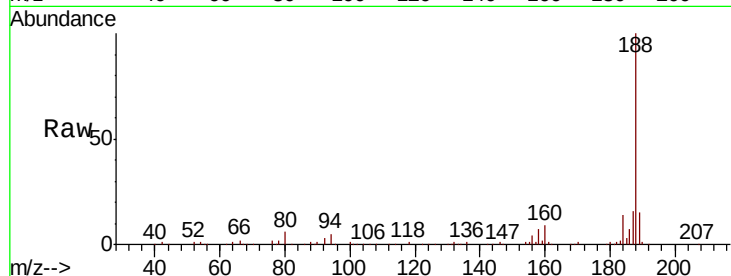




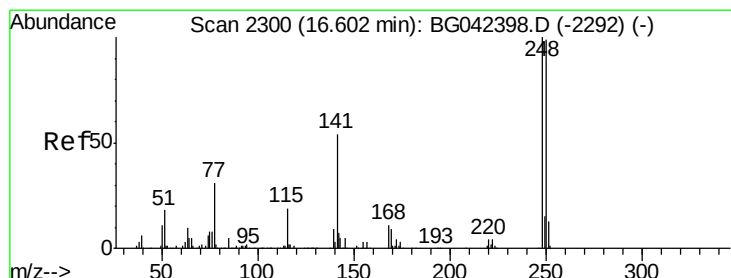
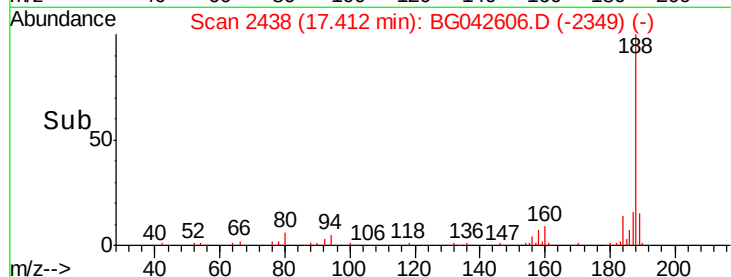
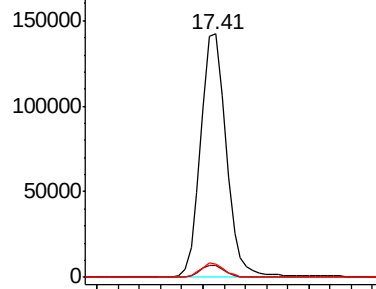
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.41 min Scan# 2438  
 Delta R.T. -0.01 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:188 Resp: 239649  
 Ion Ratio Lower Upper  
 188 100  
 94 4.9 4.5 6.7  
 80 5.6 4.9 7.3

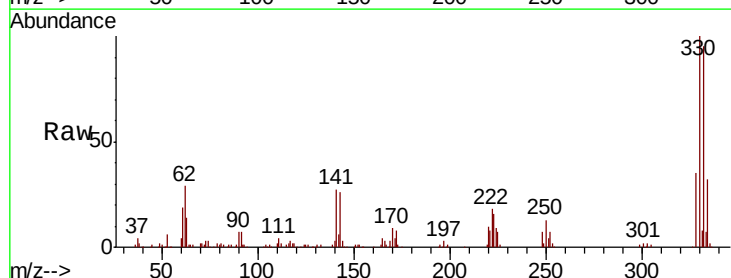


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BG  
 Ion 80.00 (79.70 to 80.70): BG

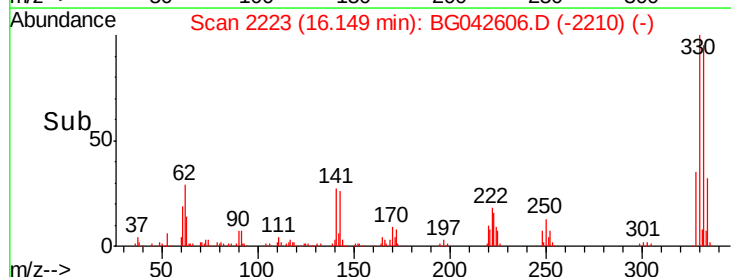
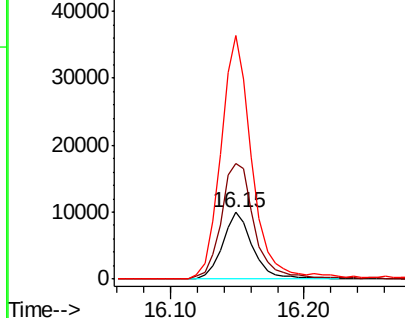


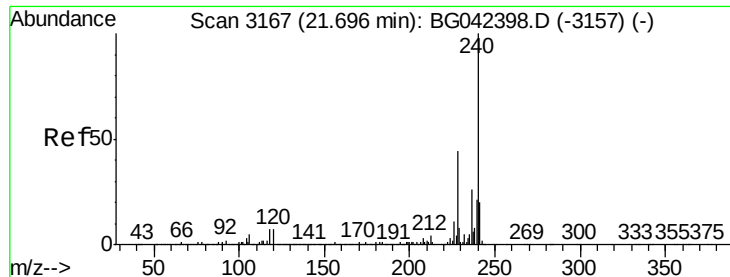
#67  
 4-Bromophenyl-phenylether  
 Concen: 5.218 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.45 min  
 Lab File: BG042606.D  
 Acq: 30 Aug 2019 18:42

Tgt Ion:248 Resp: 15861  
 Ion Ratio Lower Upper  
 248 100  
 250 173.5 78.9 118.3#  
 141 366.7 43.3 64.9#



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

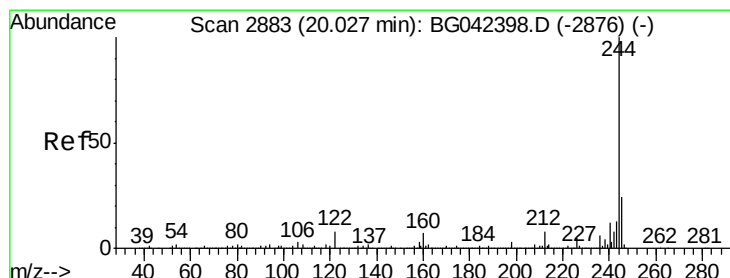
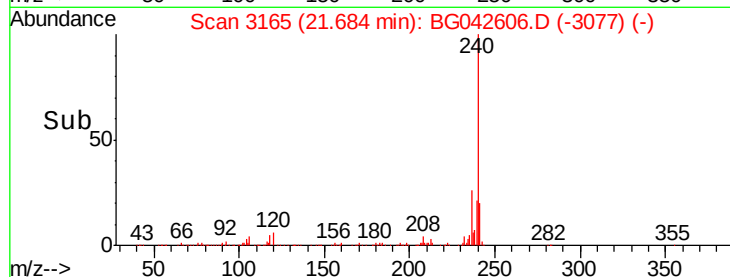
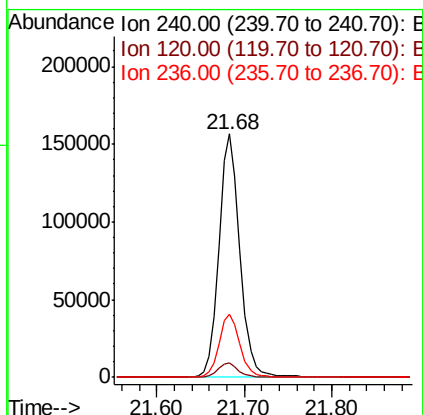
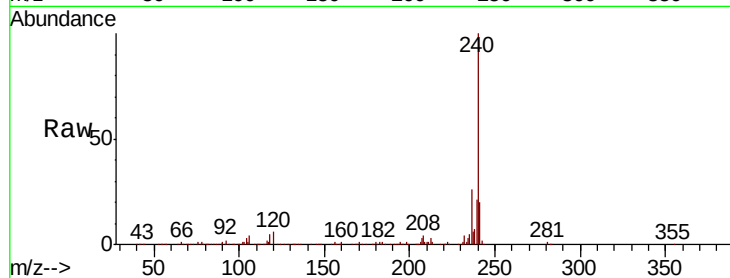




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

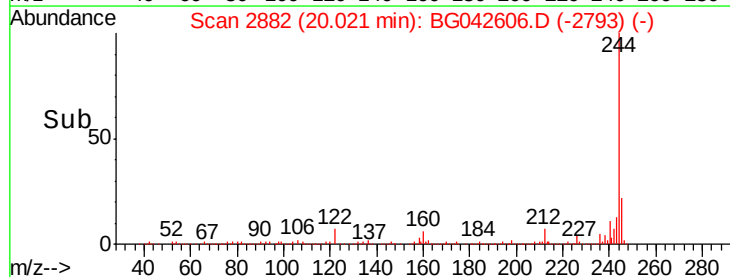
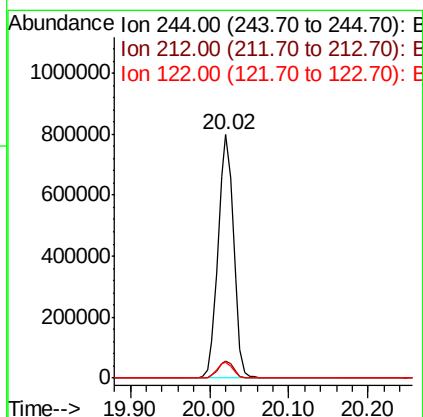
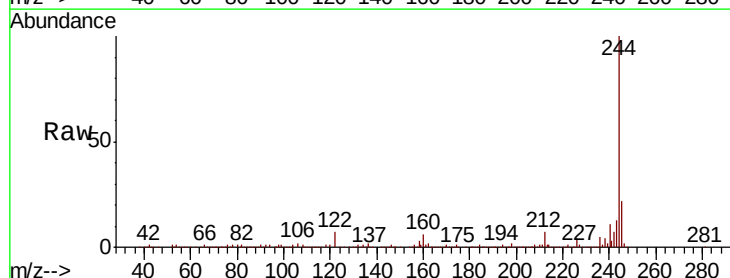
Instrument :  
BNA\_G  
ClientSampleId :

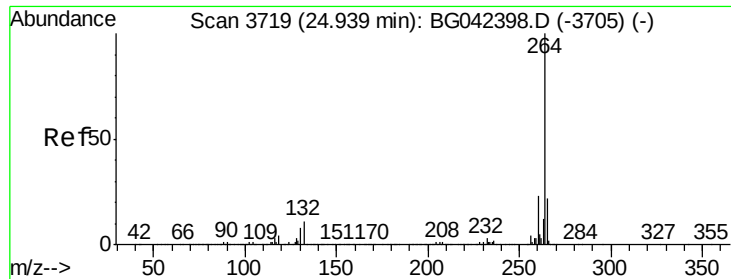
Tot Ion:240 Resp: 257282  
Ion Ratio Lower Upper  
240 100  
120 5.8 5.7 8.5  
236 26.1 21.0 31.4



#79  
Terphenyl-d14  
Concen: 91.049 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. -0.01 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

Tgt Ion:244 Resp: 1083540  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 6.7 6.7 10.1

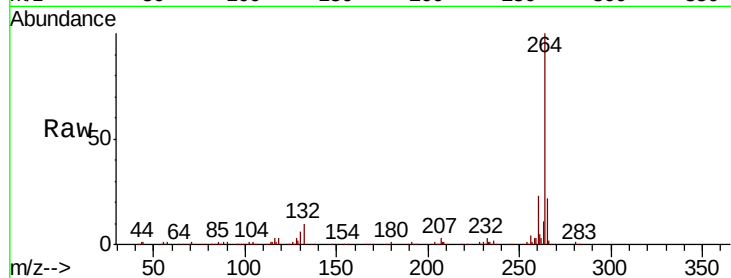




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.92 min Scan# 3716  
Delta R.T. -0.02 min  
Lab File: BG042606.D  
Acq: 30 Aug 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.5  | 27.7  |
| 265     | 21.9  | 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

