

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\  
 Data File : BG044427.D  
 Acq On : 13 Feb 2020 21:17  
 Operator : CG/JU  
 Sample : L1510-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 14 02:57:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

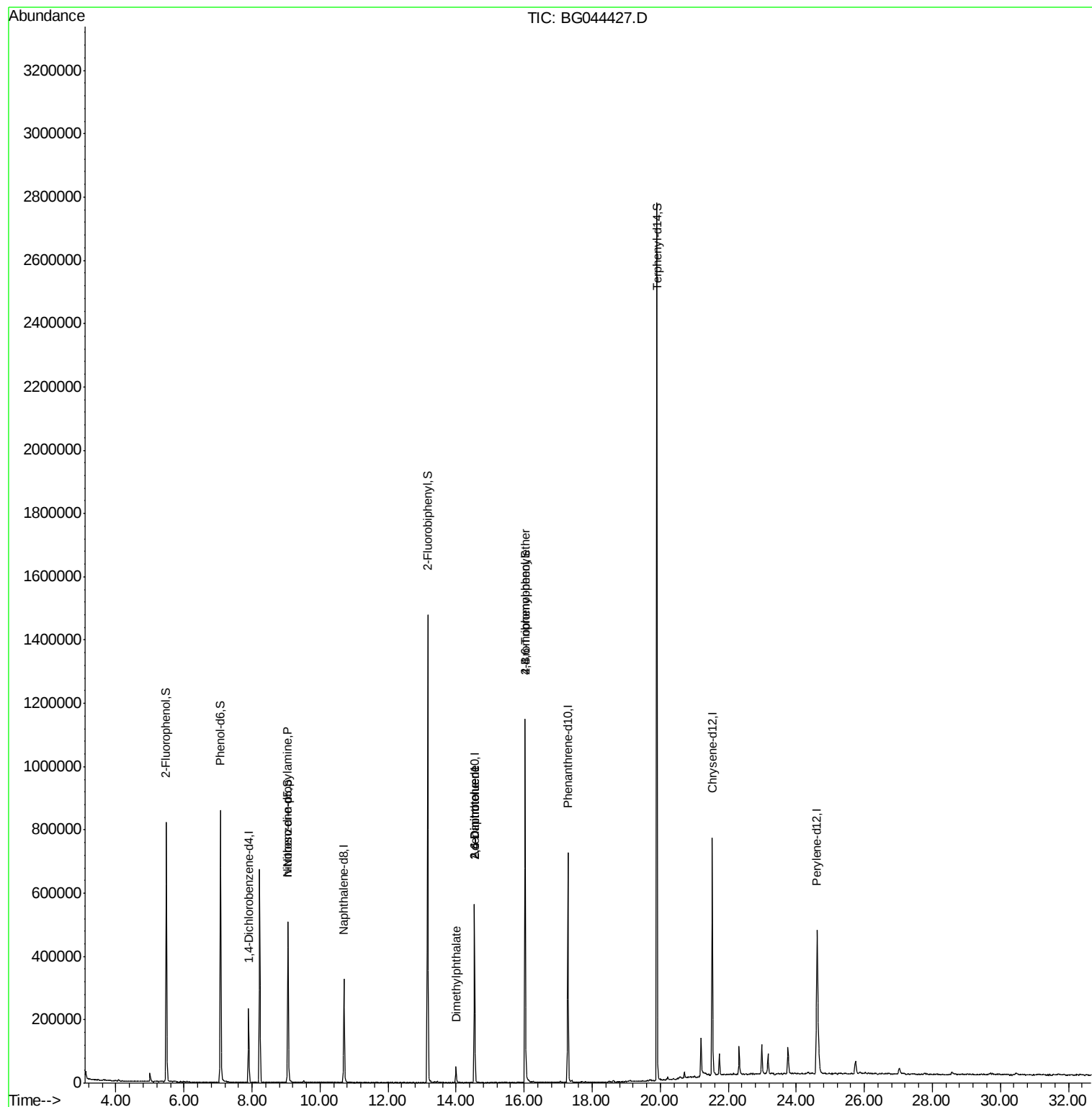
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.90  | 152  | 72670    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.70 | 136  | 311746   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.54 | 164  | 215638   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.29 | 188  | 485230   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.53 | 240  | 474785   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.61 | 264  | 485603   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 414811   | 100.74 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.08  | 99   | 567520   | 102.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.06  | 82   | 339263   | 61.44  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.03 | 330  | 239301   | 94.53  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.16 | 172  | 838552   | 65.12  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.90 | 244  | 1348316  | 58.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70   | 42442    | 11.517 | ng    | # 77     |
| 50) Dimethylphthalate          | 14.00 | 163  | 43192    | 2.786  | ng    | # 94     |
| 51) 2,6-Dinitrotoluene         | 14.54 | 165  | 28594    | 8.273  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene         | 14.54 | 165  | 28594    | 5.903  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 16534    | 3.128  | ng    | # 1      |

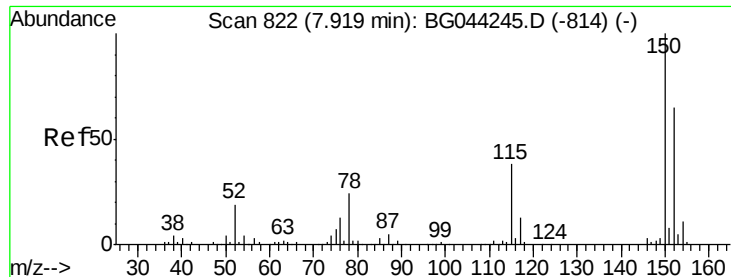
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Feb 14 02:57:24 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 10 16:11:50 2020  
Response via : Initial Calibration



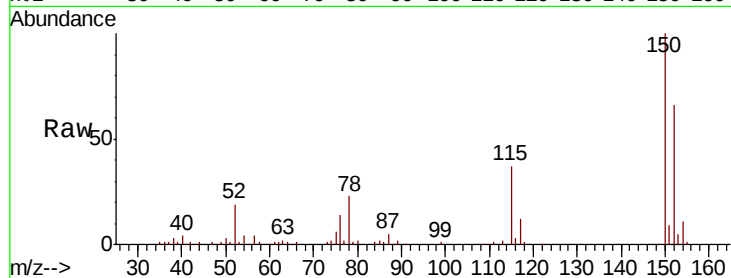


#1

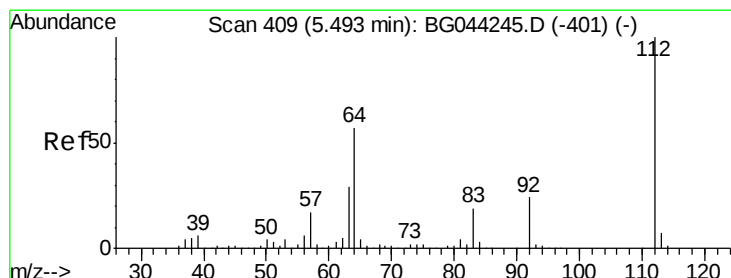
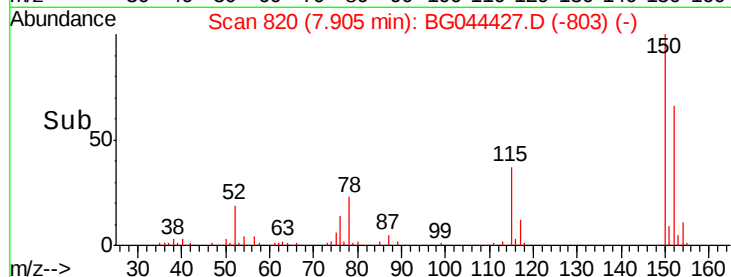
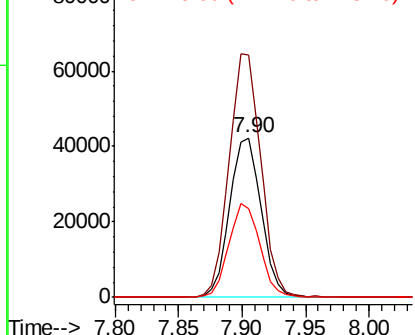
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.90 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 72670  
Ion Ratio Lower Upper  
152 100  
150 152.1 122.6 183.8  
115 55.6 46.0 69.0



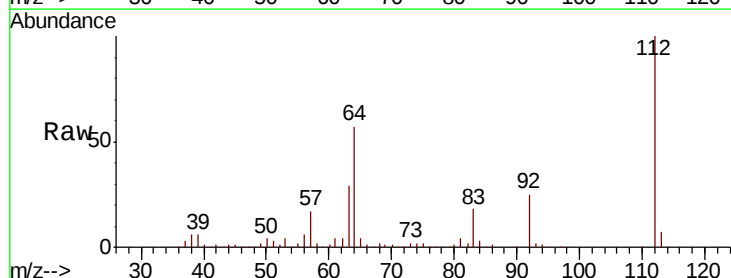
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



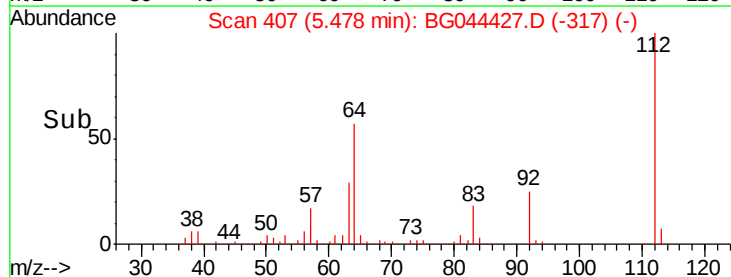
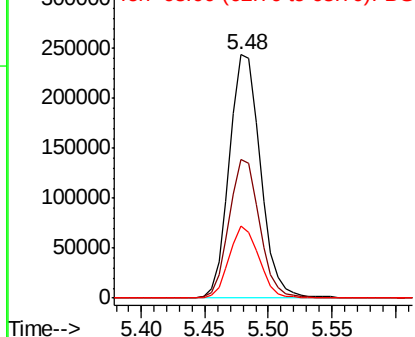
#5

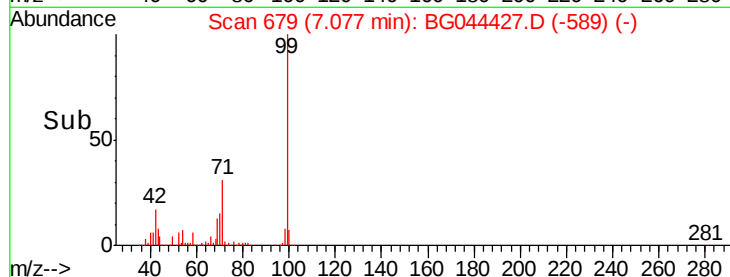
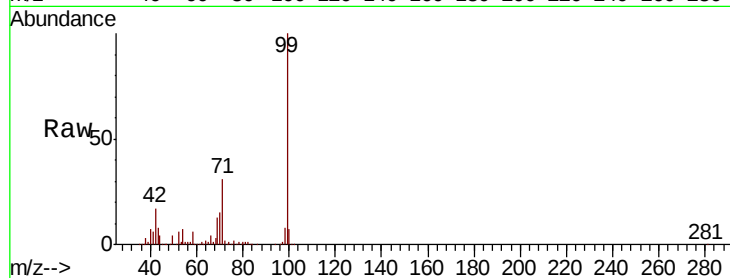
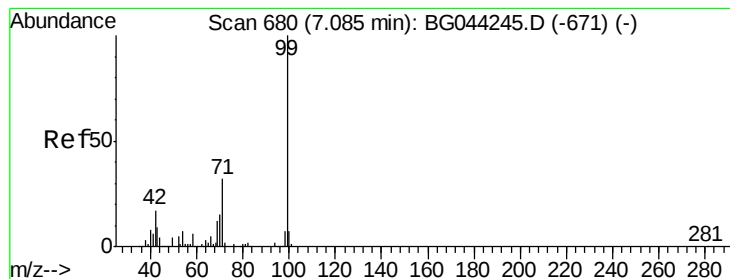
2-Fluorophenol  
Concen: 100.740 ng  
RT: 5.48 min Scan# 407  
Delta R.T. -0.00 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

Tgt Ion:112 Resp: 414811  
Ion Ratio Lower Upper  
112 100  
64 56.8 45.4 68.2  
63 29.5 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 102.637 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG044427.D

Acq: 13 Feb 2020 21:17

Instrument :

BNA\_G

ClientSampleId :

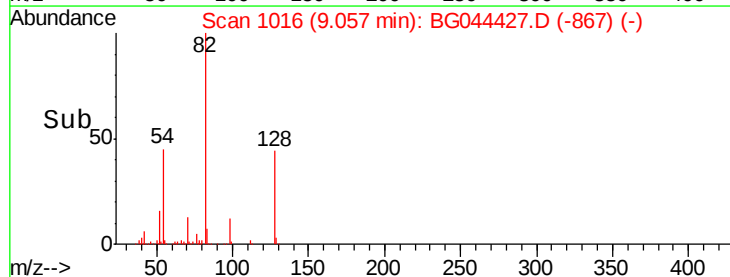
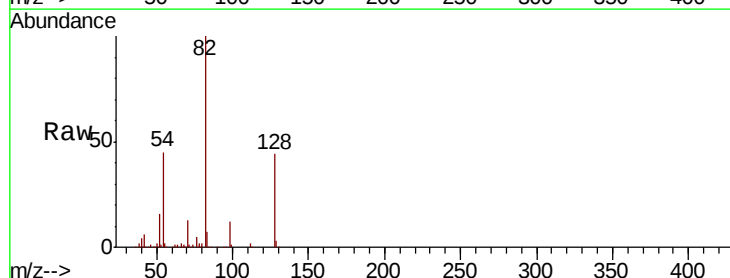
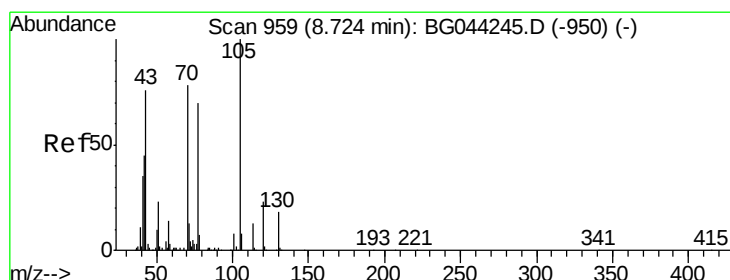
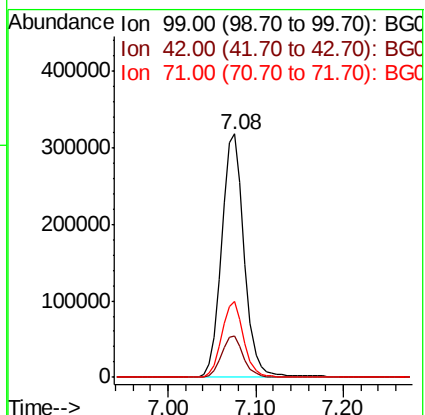
Tot Ion: 99 Resp: 567520

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

71 31.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.517 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044427.D

Acq: 13 Feb 2020 21:17

Tgt Ion: 70 Resp: 42442

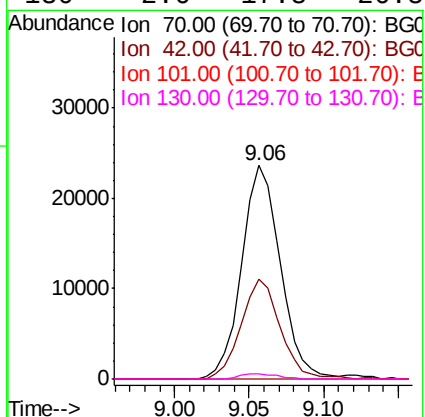
Ion Ratio Lower Upper

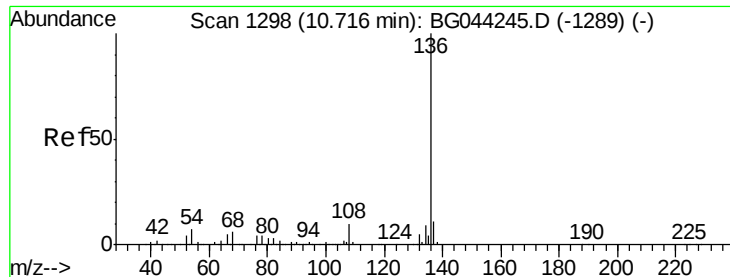
70 100

42 46.6 46.2 69.2

101 0.0 8.4 12.6#

130 2.6 17.8 26.8#

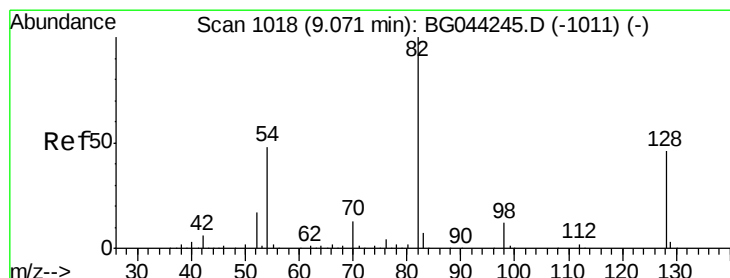
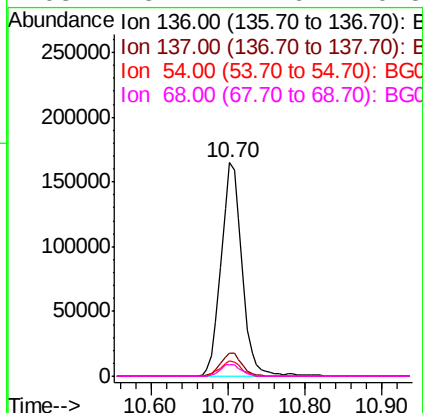
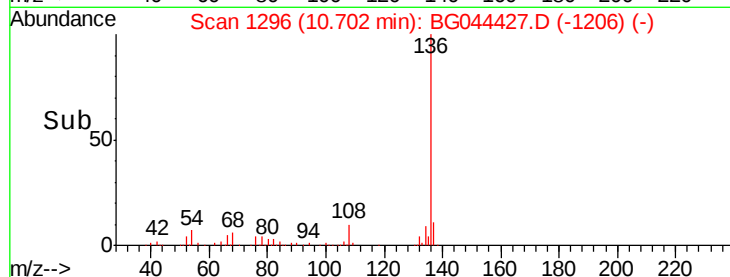
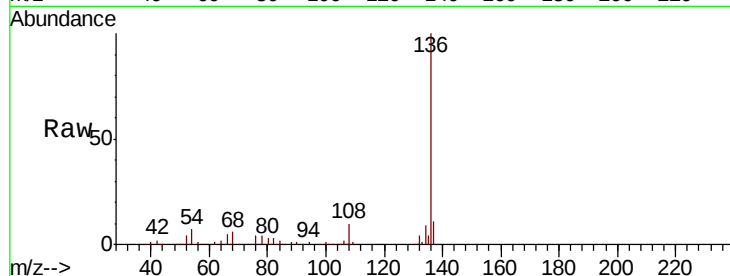




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

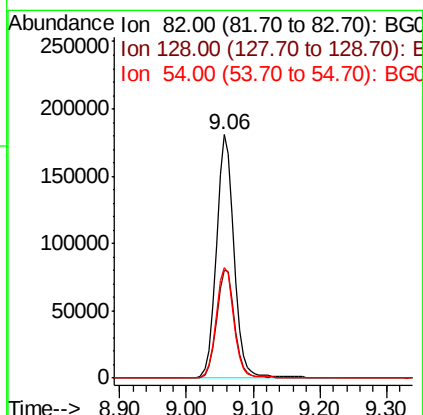
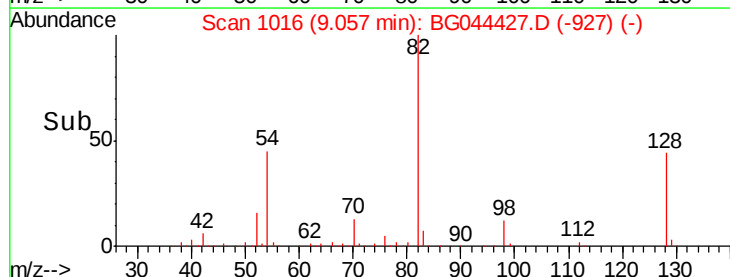
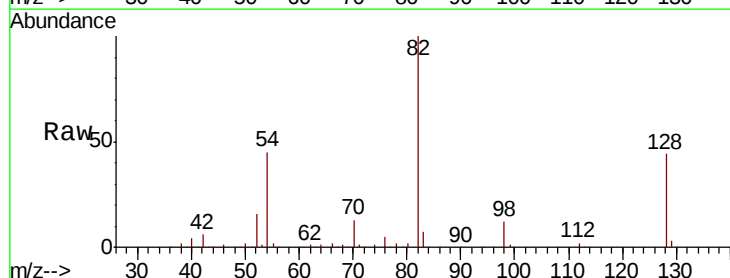
Instrument :  
BNA\_G  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 311746 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.1    | 8.8   | 13.2   |
| 54 7.1      | 5.8   | 8.8    |
| 68 5.7      | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 61.440 ng  
RT: 9.06 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 339263 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 44.4    | 36.5  | 54.7   |
| 54  | 45.3    | 38.6  | 58.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG044427.D

Acq: 13 Feb 2020 21:17

Instrument :

BNA\_G

ClientSampleId :

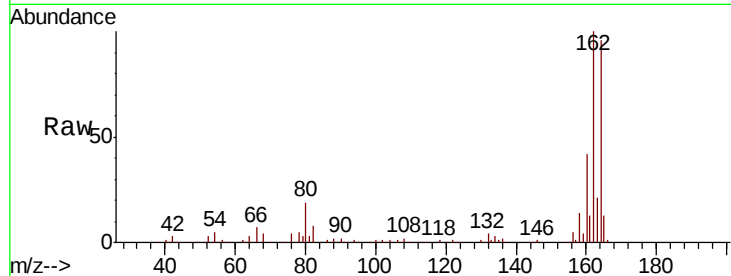
Tot Ion:164 Resp: 215638

Ion Ratio Lower Upper

164 100

162 103.9 80.7 121.1

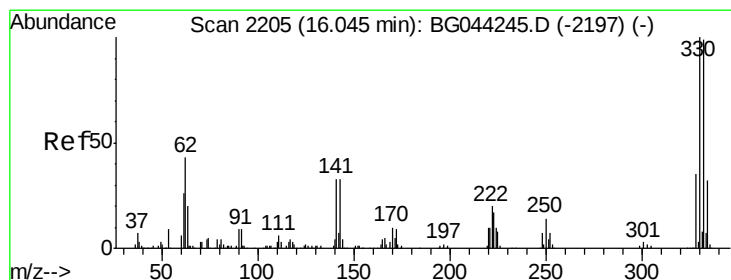
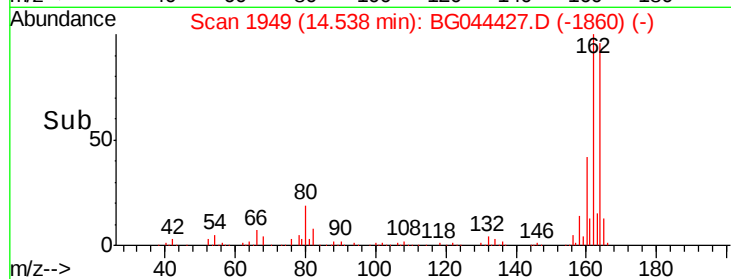
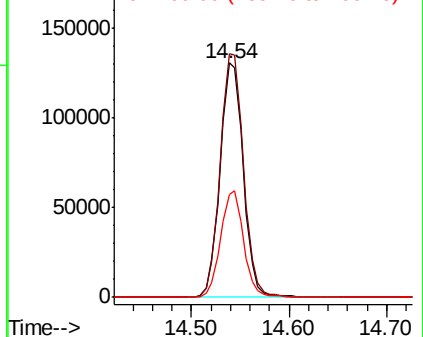
160 43.8 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 94.531 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BG044427.D

Acq: 13 Feb 2020 21:17

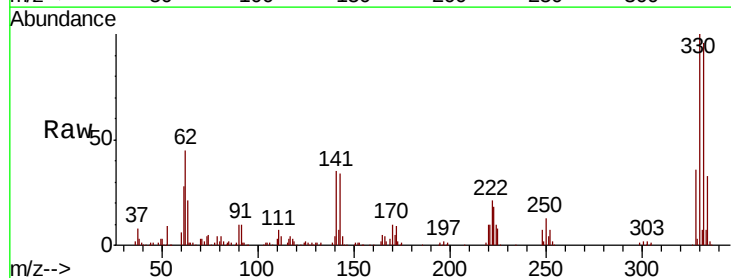
Tgt Ion:330 Resp: 239301

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

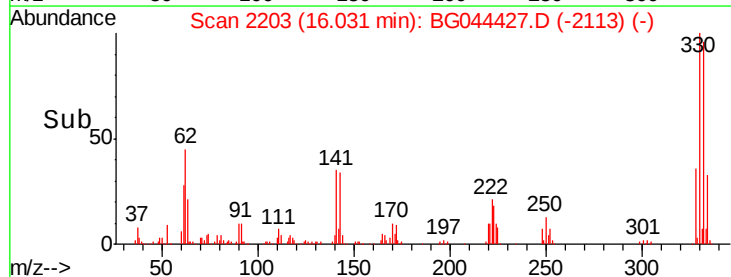
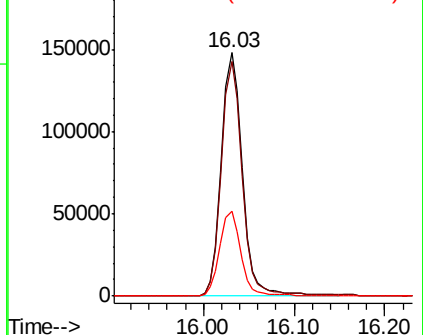
141 35.5 28.3 42.5

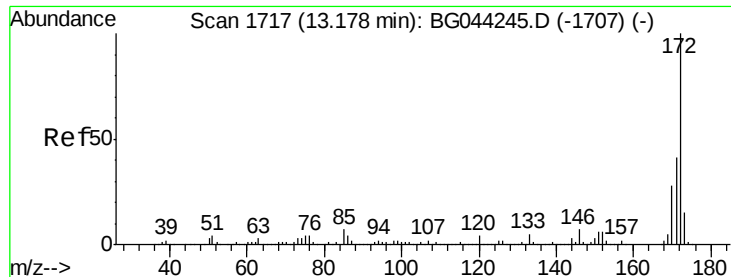


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

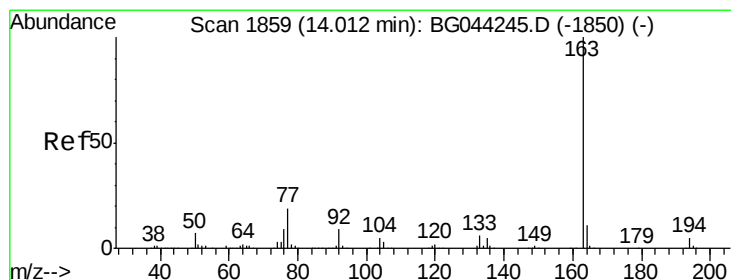
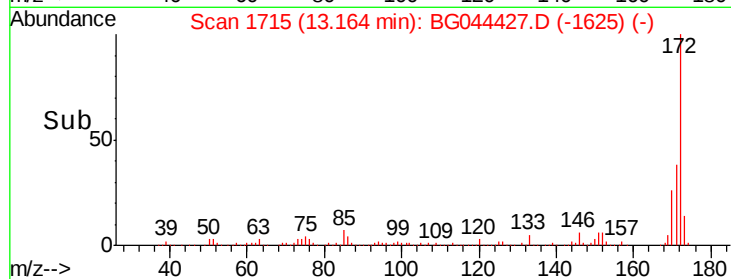
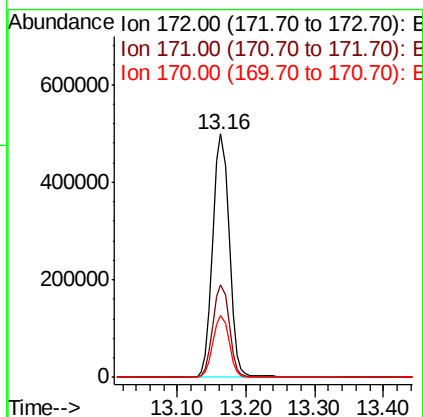
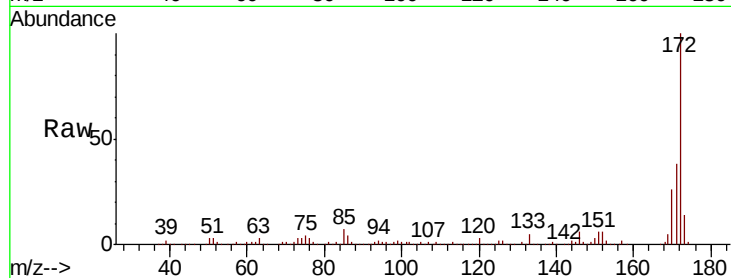




#45  
 2-Fluorobiphenyl  
 Concen: 65.118 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

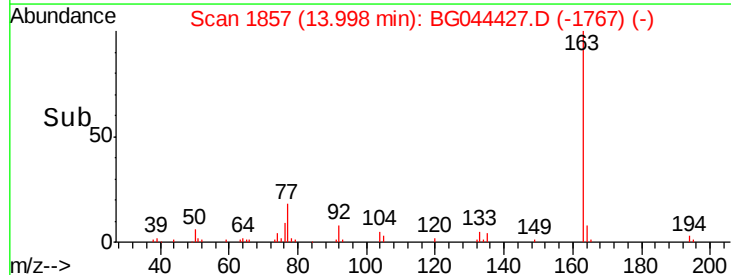
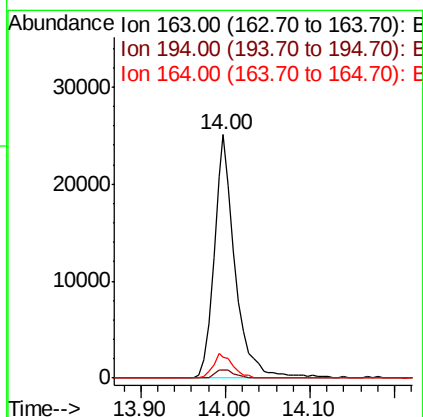
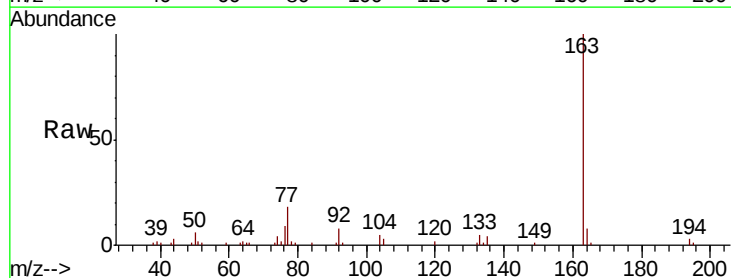
Instrument :  
 BNA\_G  
 ClientSampleId :

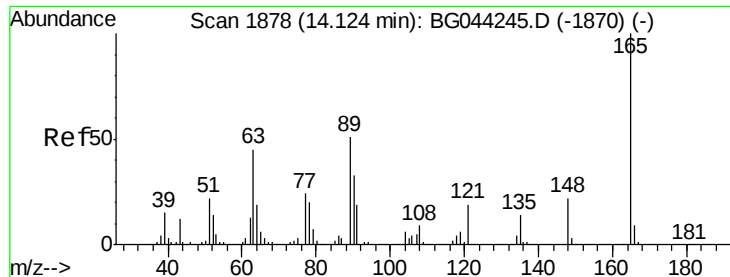
Tot Ion:172 Resp: 838552  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 32.9 49.3  
 170 25.6 22.0 33.0



#50  
 Dimethylphthalate  
 Concen: 2.786 ng  
 RT: 14.00 min Scan# 1857  
 Delta R.T. -0.00 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

Tgt Ion:163 Resp: 43192  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 3.6 5.4#  
 164 8.5 8.7 13.1#

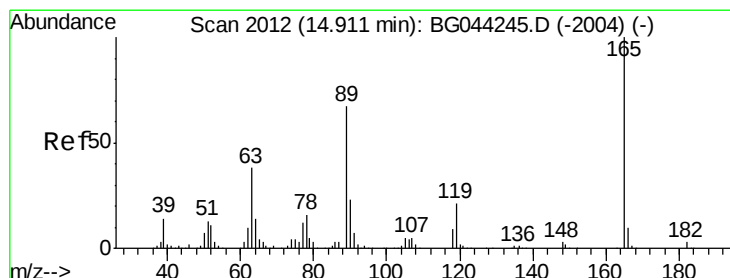
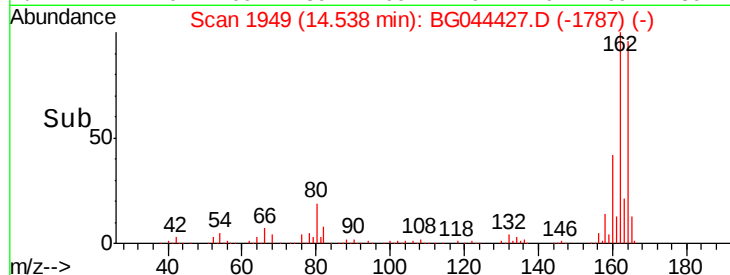
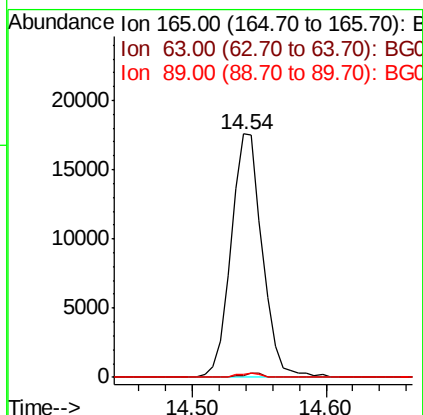
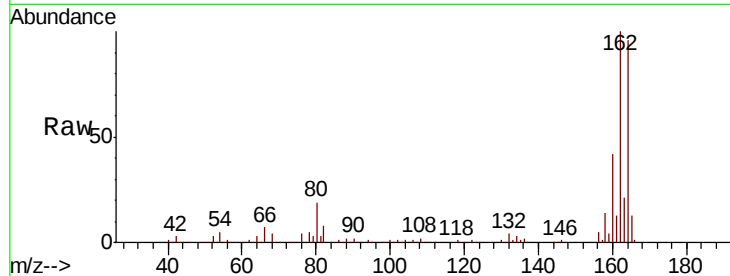




#51  
 2,6-Dinitrotoluene  
 Concen: 8.273 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. 0.42 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

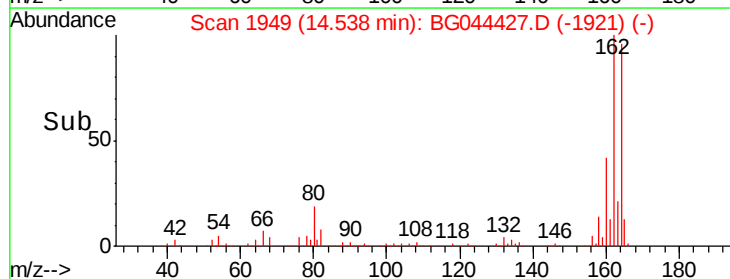
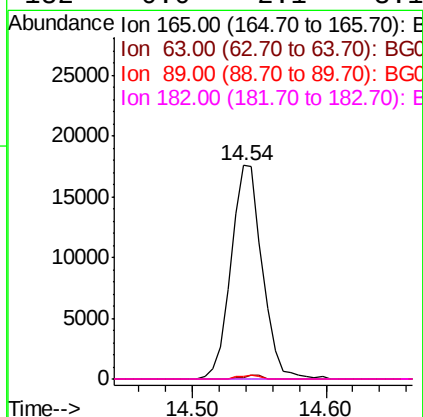
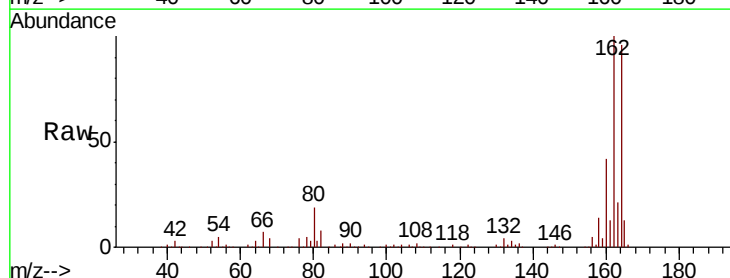
Instrument :  
 BNA\_G  
 ClientSampleId :

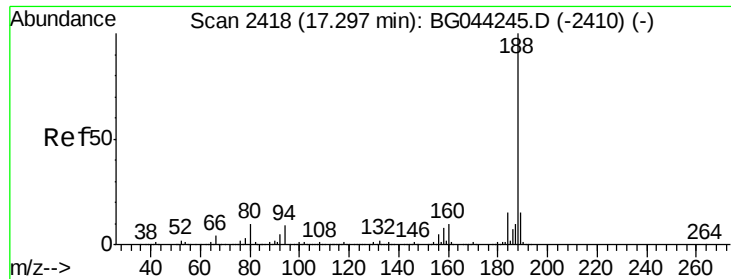
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.9   | 38.7  | 58.1# |
| 89      | 1.3   | 40.4  | 60.6# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.903 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. -0.36 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.9   | 30.3  | 45.5# |
| 89      | 1.3   | 53.4  | 80.2# |
| 182     | 0.0   | 2.1   | 3.1#  |

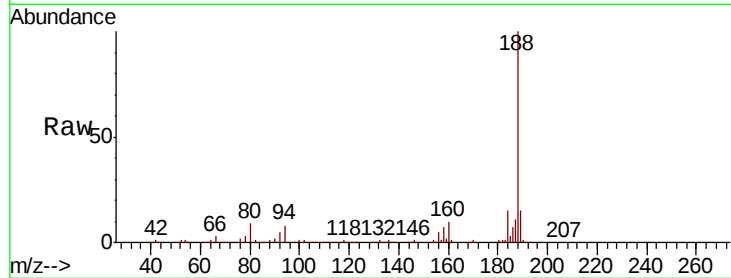




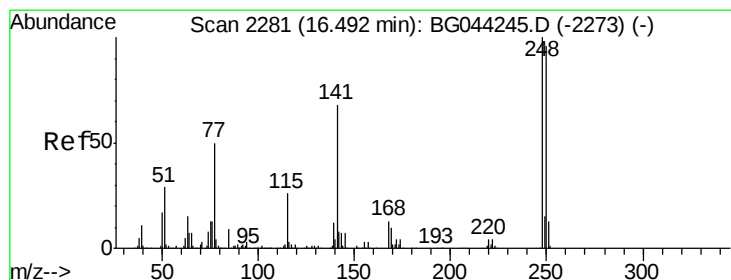
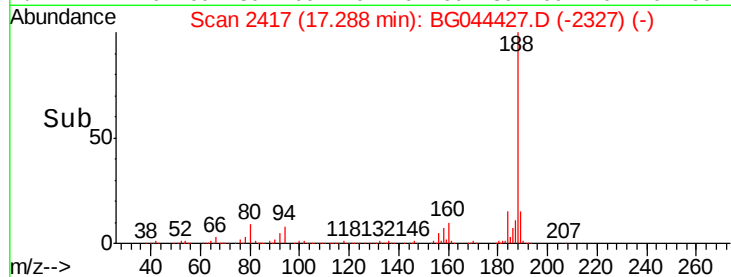
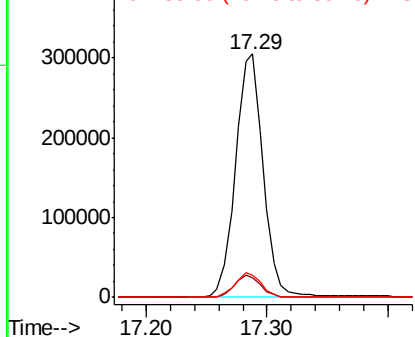
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 2417  
Delta R.T. -0.00 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 485230  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.4 11.2  
80 9.3 7.7 11.5

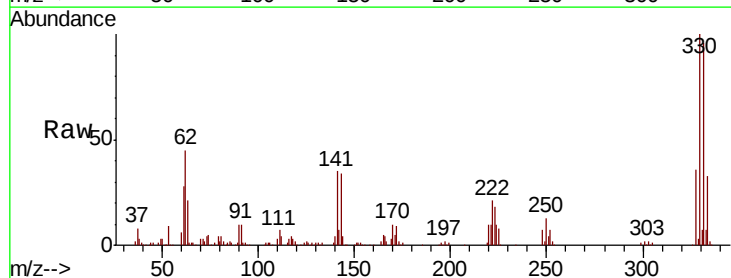


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

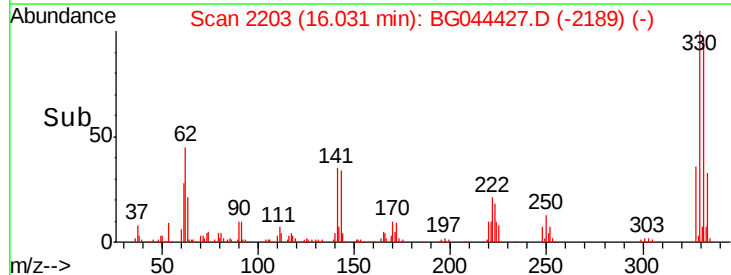
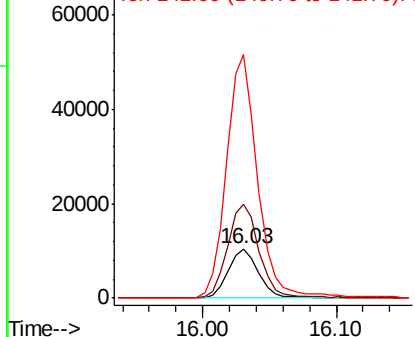


#67  
4-Bromophenyl-phenylether  
Concen: 3.128 ng  
RT: 16.03 min Scan# 2203  
Delta R.T. -0.45 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

Tgt Ion:248 Resp: 16534  
Ion Ratio Lower Upper  
248 100  
250 188.0 76.6 114.8#  
141 490.3 54.7 82.1#



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

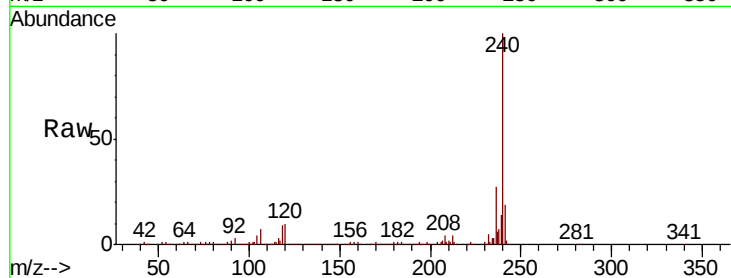




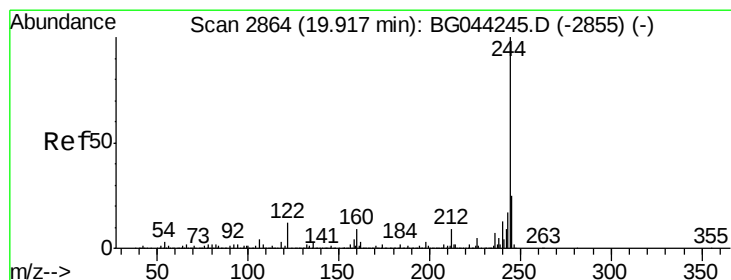
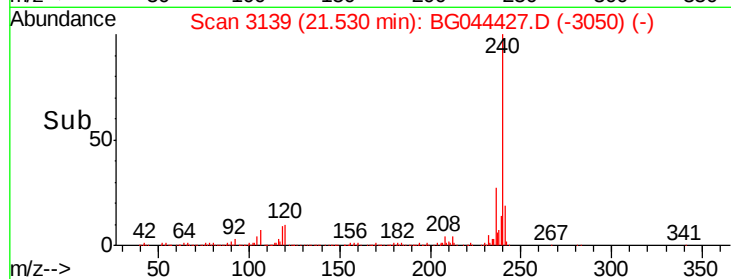
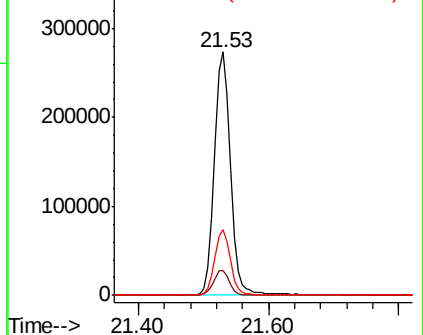
#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.53 min Scan# 3139  
 Delta R.T. -0.01 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.0  | 8.4   | 12.6  |
| 236     | 26.8  | 22.1  | 33.1  |

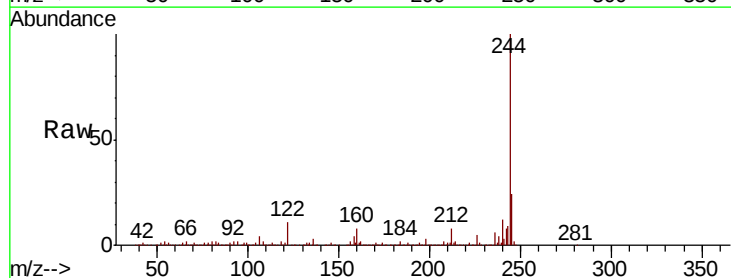


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

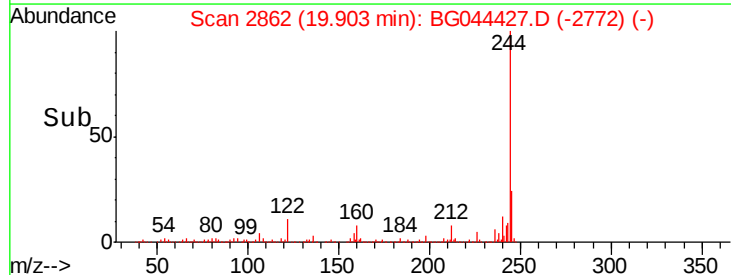
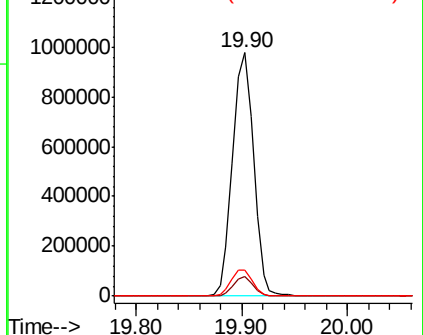


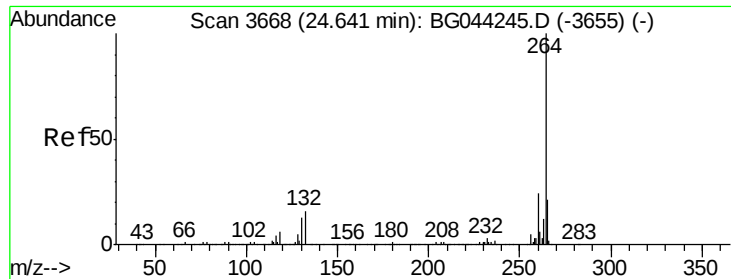
#79  
 Terphenyl-d14  
 Concen: 58.412 ng  
 RT: 19.90 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: BG044427.D  
 Acq: 13 Feb 2020 21:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 7.4   | 11.2  |
| 122     | 10.9  | 9.8   | 14.6  |



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





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.61 min Scan# 3664  
Delta R.T. -0.01 min  
Lab File: BG044427.D  
Acq: 13 Feb 2020 21:17

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.4  | 29.2  |
| 265     | 22.6  | 16.7  | 25.1  |

