

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\  
 Data File : BG042995.D  
 Acq On : 2 Oct 2019 21:40  
 Operator : JU  
 Sample : K5127-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190762-SS-COMPOSITE-2

Quant Time: Oct 03 04:28:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

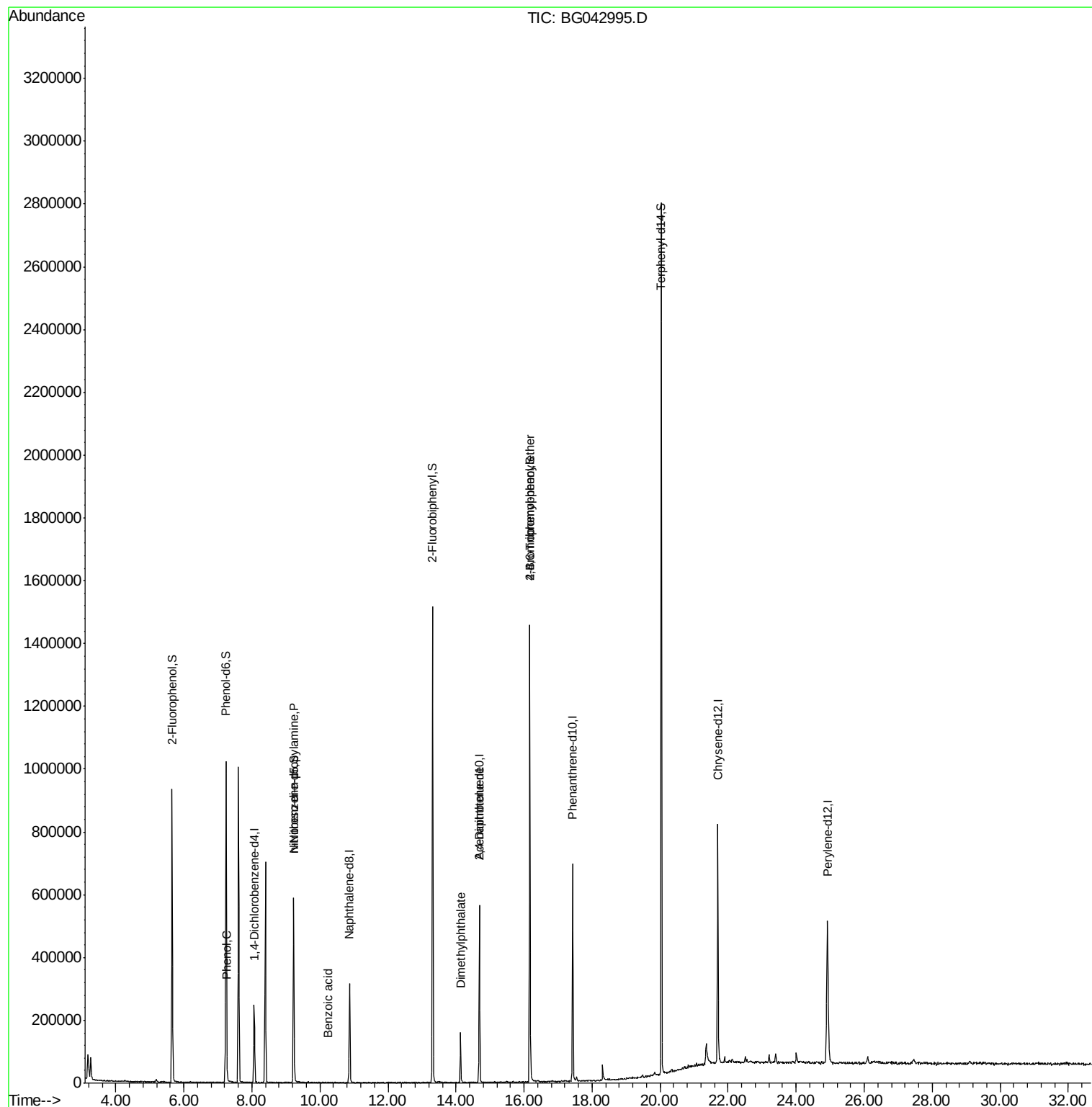
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.07  | 152  | 69663    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.87 | 136  | 272085   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.69 | 164  | 200920   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.43 | 188  | 453617   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.70 | 240  | 472745   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 24.92 | 264  | 540476   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.66  | 112  | 400876   | 102.70 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.24  | 99   | 580887   | 103.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 359937   | 64.30  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.18 | 330  | 307392   | 88.97  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.31 | 172  | 807183   | 58.24  | ng    | -0.01    |
| 79) Terphenyl-d14              | 20.04 | 244  | 1345028  | 60.63  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 12050    | 2.336  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 9.23  | 70   | 51895    | 14.059 | ng    | # 72     |
| 32) Benzoic acid               | 10.24 | 122  | 54       | 2.820  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.14 | 163  | 102858   | 6.833  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165  | 28275    | 6.023  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether  | 16.18 | 248  | 20670    | 3.631  | ng    | # 1      |

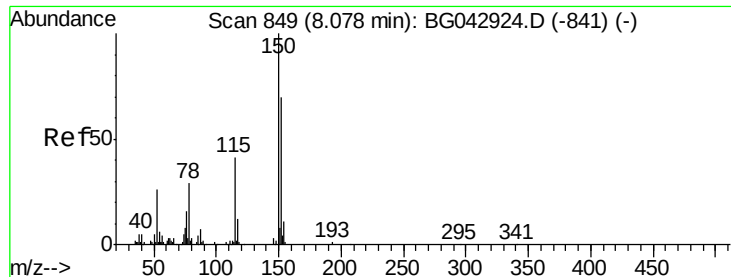
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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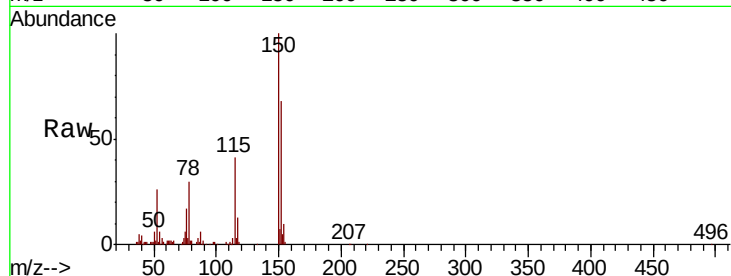


#1

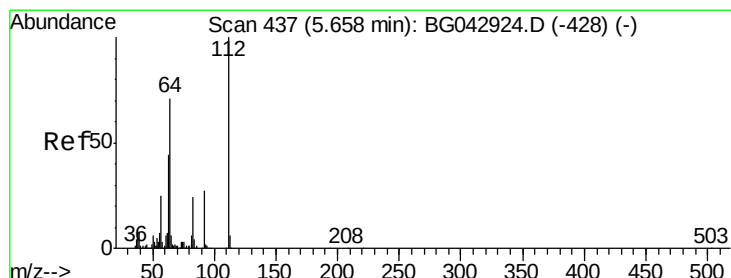
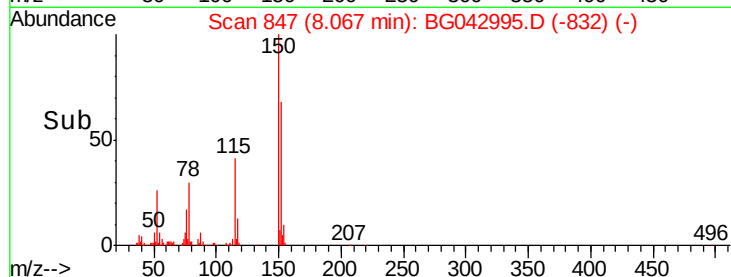
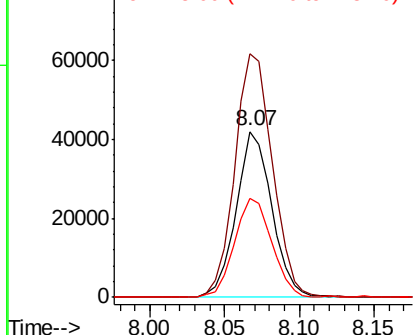
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

Instrument :  
BNA\_G  
ClientSampleId :  
20190762-SS-COMPOSITE-2

Tot Ion:152 Resp: 69663  
Ion Ratio Lower Upper  
152 100  
150 146.8 115.0 172.4  
115 59.5 47.0 70.6



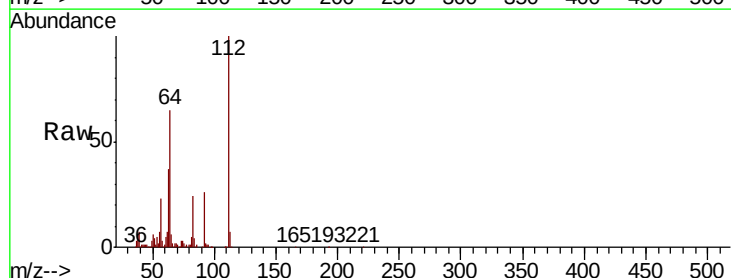
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



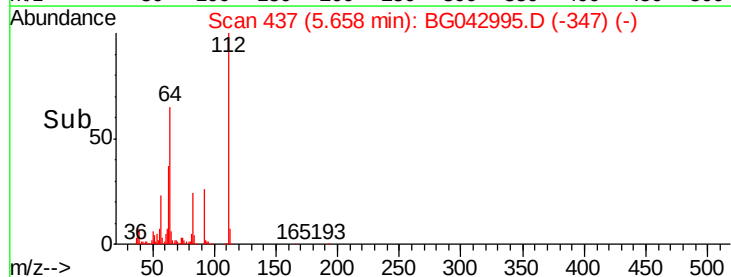
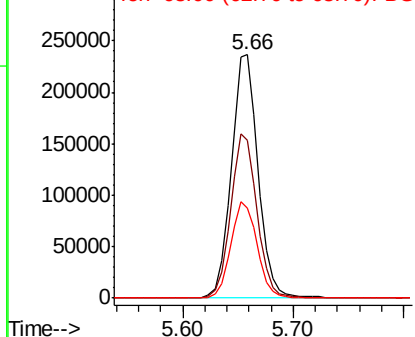
#5

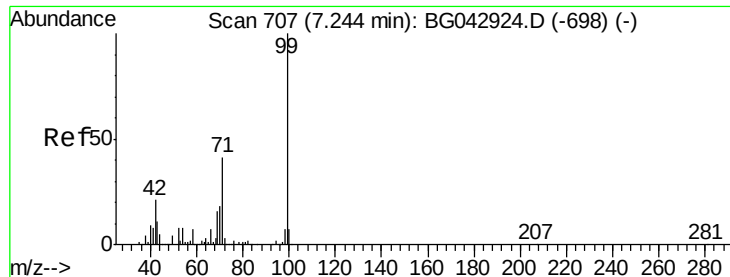
2-Fluorophenol  
Concen: 102.696 ng  
RT: 5.66 min Scan# 437  
Delta R.T. 0.00 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

Tgt Ion:112 Resp: 400876  
Ion Ratio Lower Upper  
112 100  
64 65.0 56.6 84.8  
63 37.2 35.1 52.7



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: 103.337 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

Instrument :

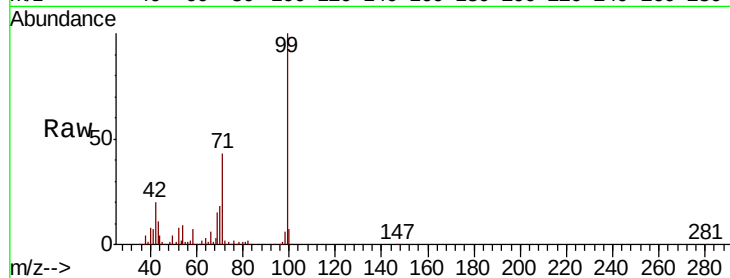
BNA\_G

ClientSampleId :

20190762-SS-COMPOSITE-2

Tot Ion: 99 Resp: 580887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.2  | 17.2  | 25.8  |
| 71  | 42.9  | 33.1  | 49.7  |

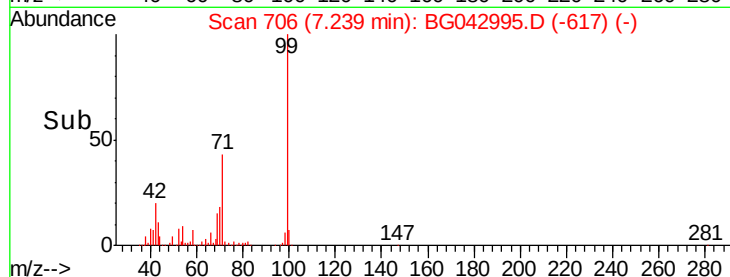


Abundance

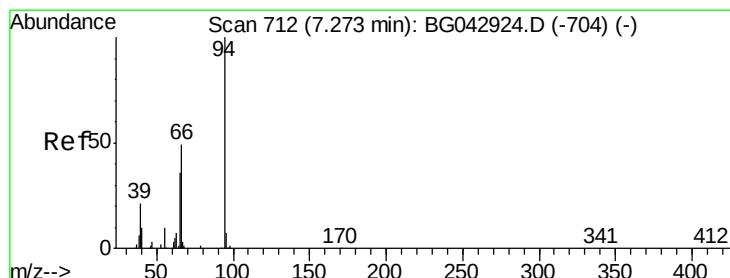
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#10

Phenol

Concen: 2.336 ng

RT: 7.27 min Scan# 711

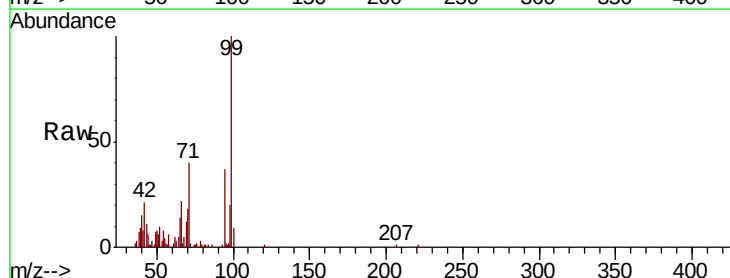
Delta R.T. -0.01 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

Tgt Ion: 94 Resp: 12050

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 38.4  | 16.6  | 56.6  |
| 66  | 58.8  | 32.4  | 72.4  |

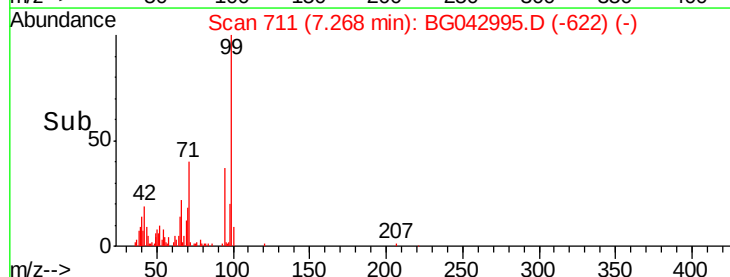


Abundance

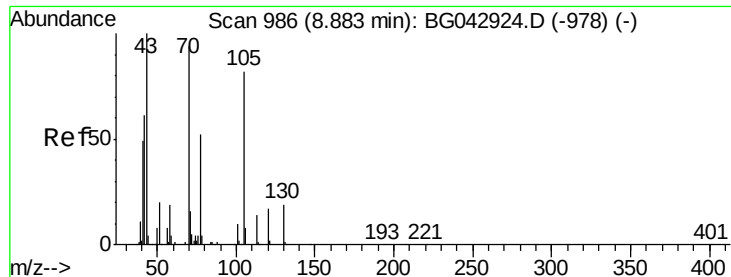
Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



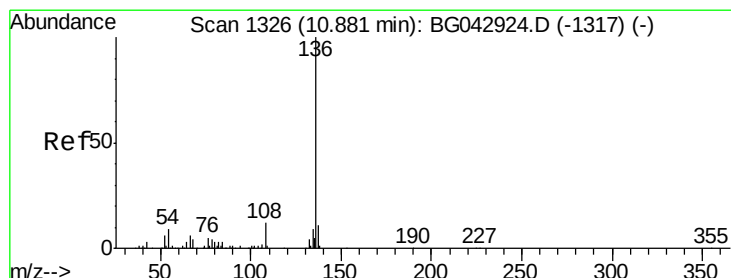
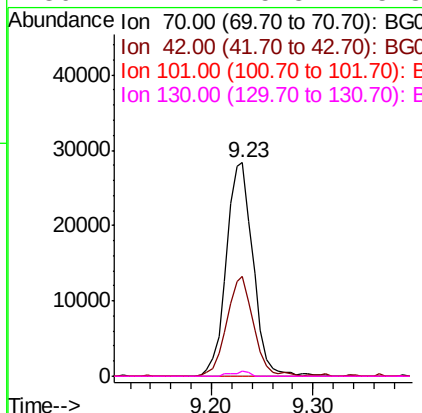
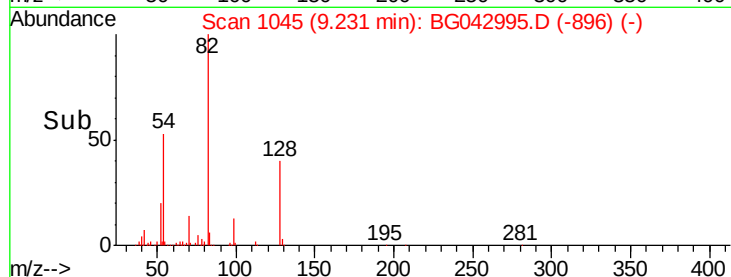
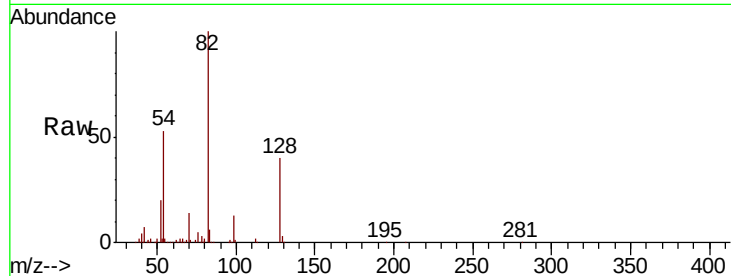
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.059 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. 0.35 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

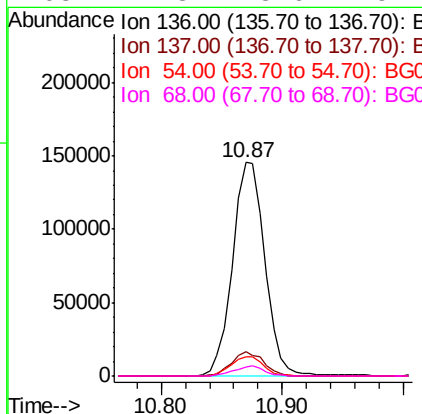
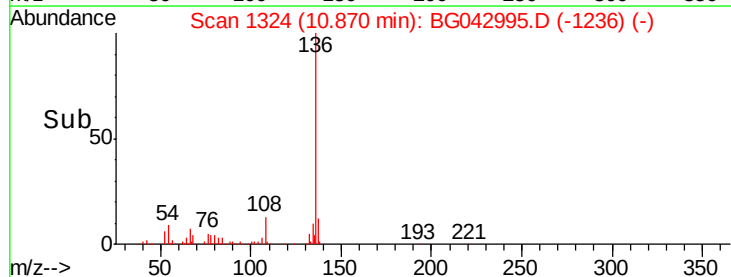
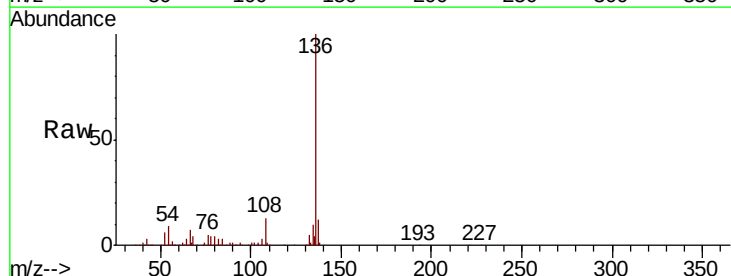
Instrument :  
BNA\_G  
ClientSampleId :  
20190762-SS-COMPOSITE-2

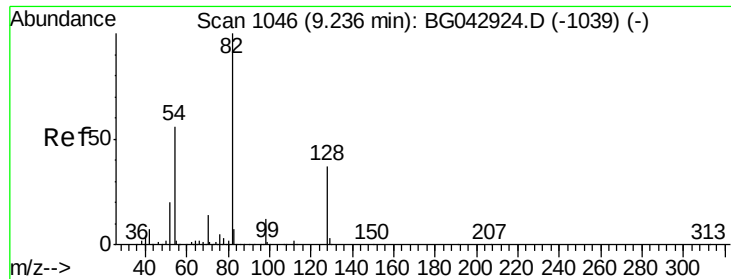
Tot Ion: 70 Resp: 51895  
Ion Ratio Lower Upper  
70 100  
42 46.7 52.6 79.0#  
101 0.0 8.7 13.1#  
130 2.1 15.8 23.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

Tgt Ion: 136 Resp: 272085  
Ion Ratio Lower Upper  
136 100  
137 11.7 8.5 12.7  
54 9.1 7.4 11.2  
68 4.3 3.6 5.4

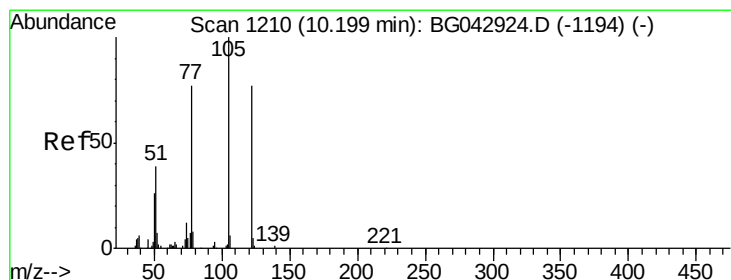
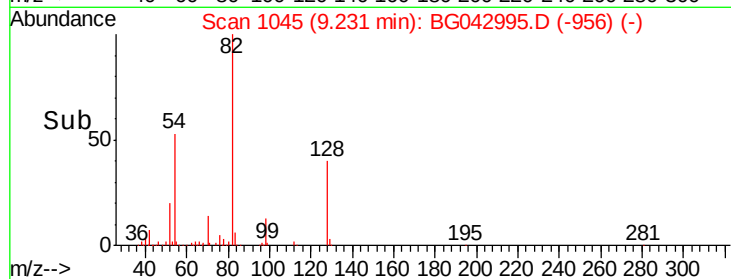
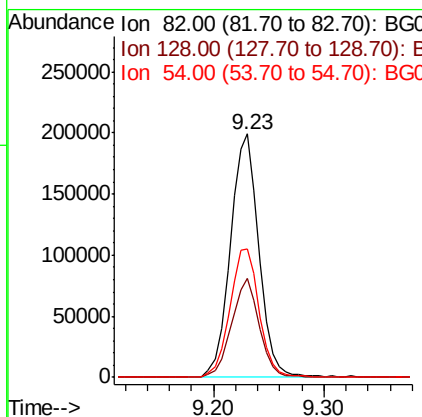
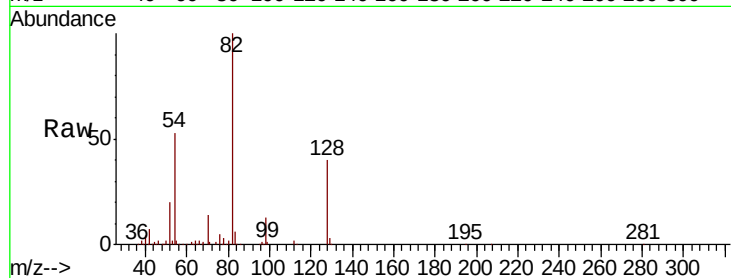




#23  
Nitrobenzene-d5  
Concen: 64.299 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

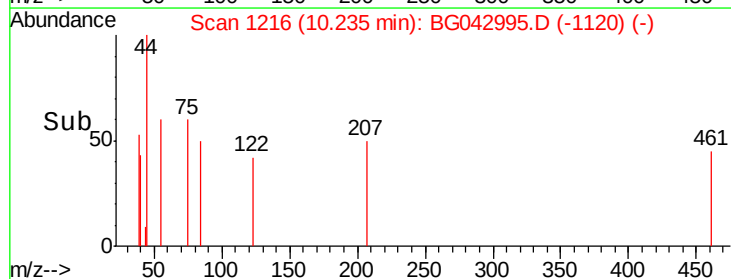
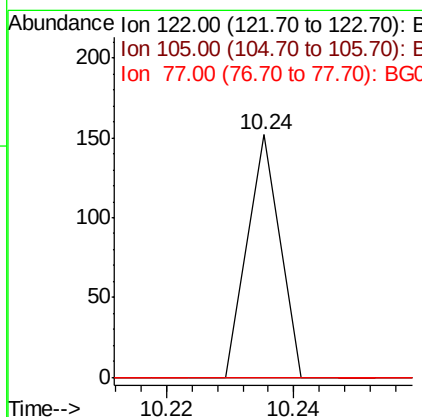
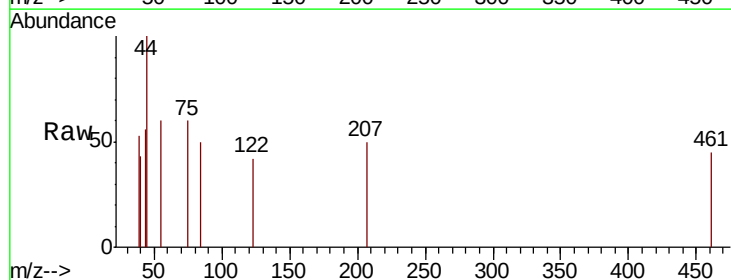
Instrument :  
BNA\_G  
ClientSampleId :  
20190762-SS-COMPOSITE-2

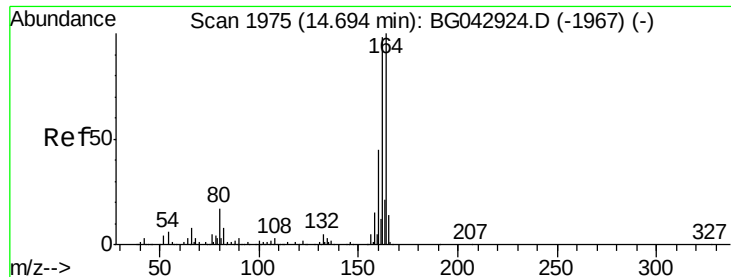
| Tot Ion   | 82    | Resp  | 359937 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.4  | 29.5  | 44.3   |
| 54        | 52.8  | 44.6  | 67.0   |



#32  
Benzoic acid  
Concen: 2.820 ng  
RT: 10.24 min Scan# 1216  
Delta R.T. 0.04 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

| Tgt Ion   | 122   | Resp  | 54     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 0.0   | 107.5 | 147.5# |
| 77        | 0.0   | 79.8  | 119.8# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

Instrument :

BNA\_G

ClientSampleId :

20190762-SS-COMPOSITE-2

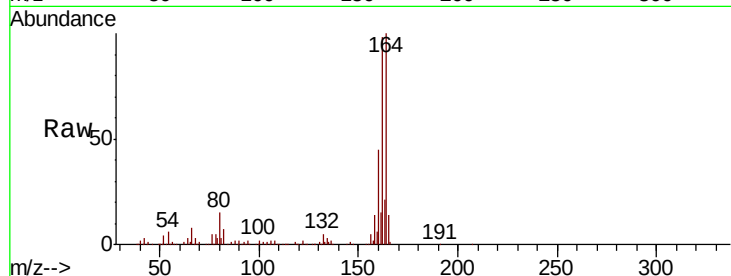
Tot Ion:164 Resp: 200920

Ion Ratio Lower Upper

164 100

162 98.2 78.5 117.7

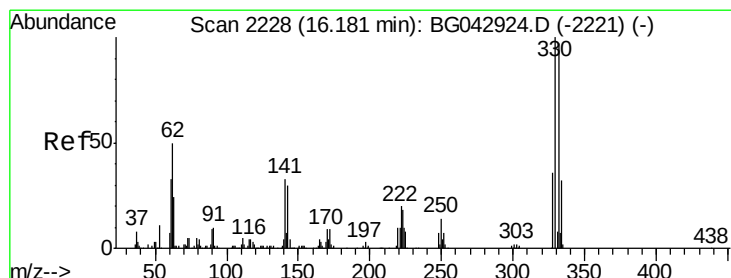
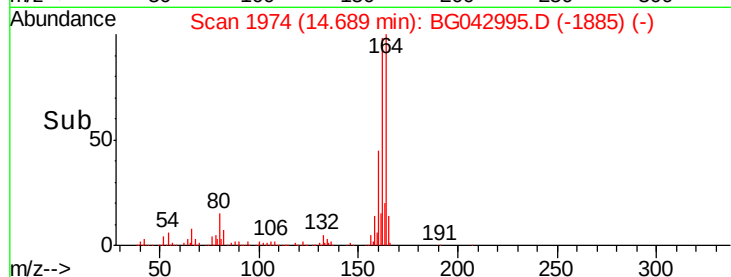
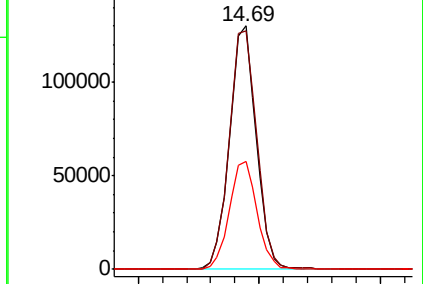
160 44.6 35.9 53.9



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: 88.972 ng

RT: 16.18 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

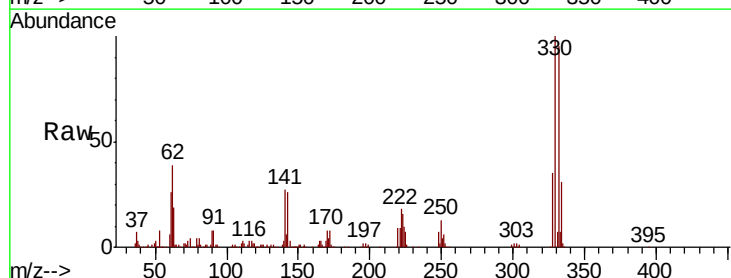
Tgt Ion:330 Resp: 307392

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.2

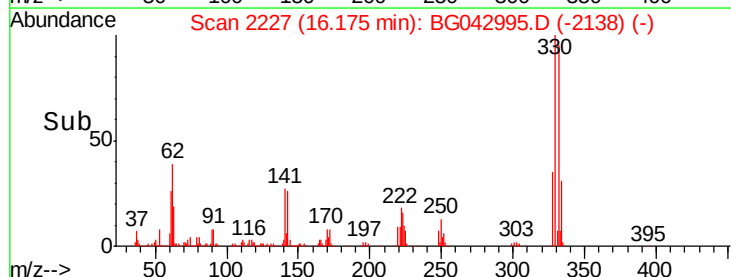
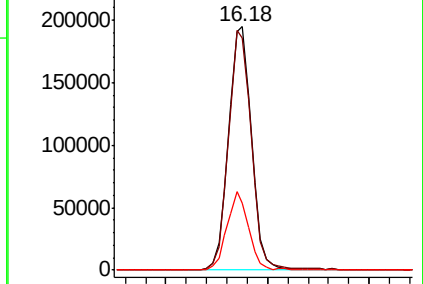
141 30.2 26.0 39.0

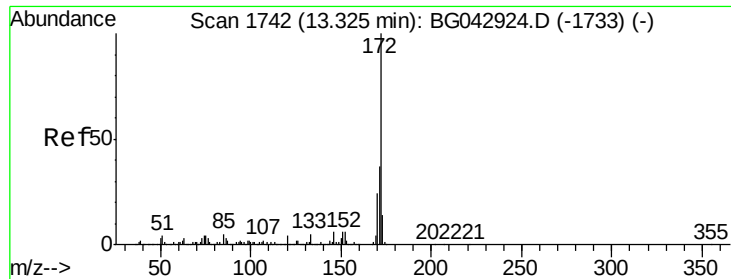


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

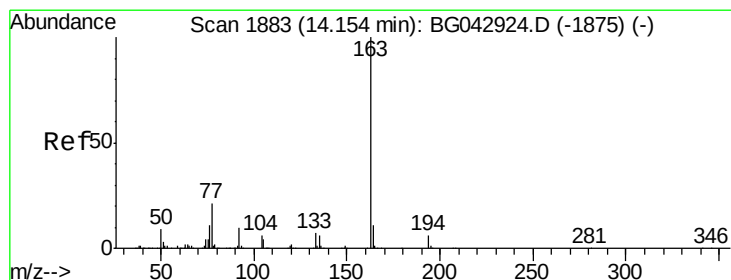
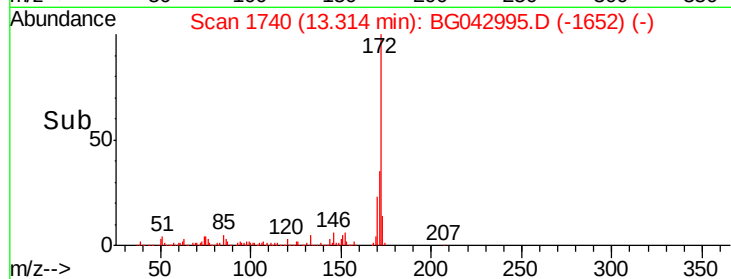
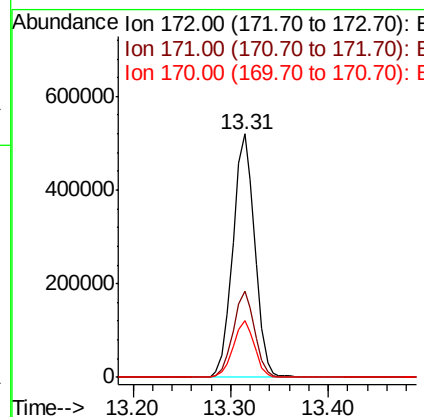
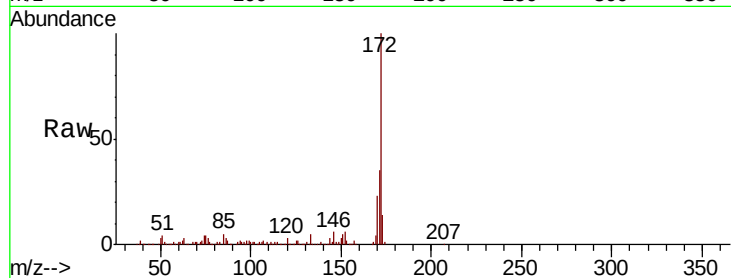




#45  
2-Fluorobiphenyl  
Concen: 58.241 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

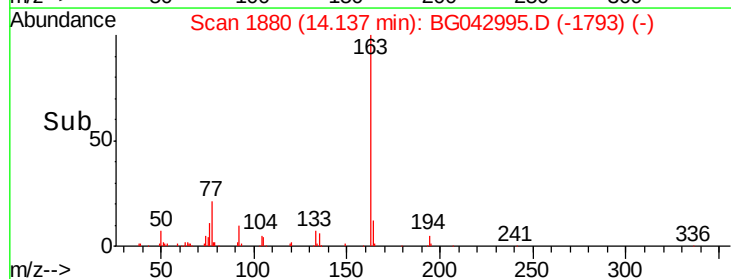
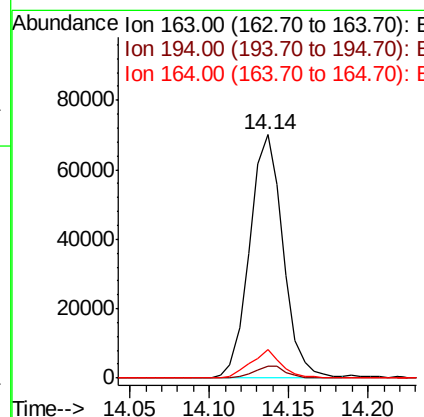
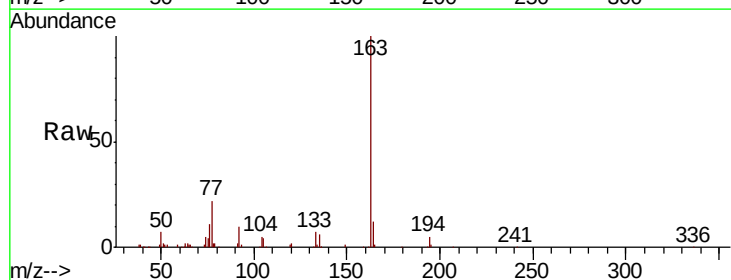
Instrument :  
BNA\_G  
ClientSampleId :  
20190762-SS-COMPOSITE-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.6  | 44.4  |
| 170     | 23.4  | 19.6  | 29.4  |

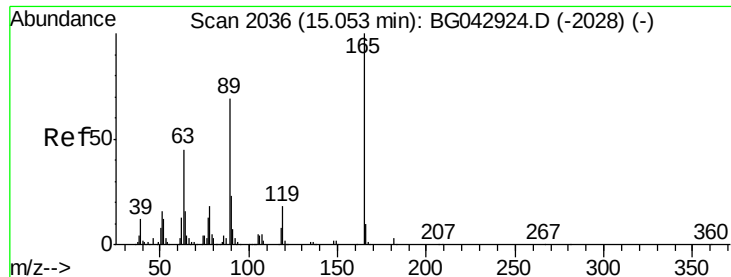


#50  
Dimethylphthalate  
Concen: 6.833 ng  
RT: 14.14 min Scan# 1880  
Delta R.T. -0.02 min  
Lab File: BG042995.D  
Acq: 2 Oct 2019 21:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 4.4   | 6.6   |
| 164     | 11.6  | 8.6   | 12.8  |



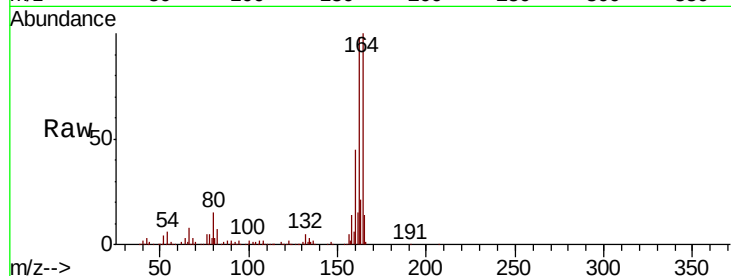




#57  
 2,4-Dinitrotoluene  
 Concen: 6.023 ng  
 RT: 14.69 min Scan# 1974  
 Delta R.T. -0.36 min  
 Lab File: BG042995.D  
 Acq: 2 Oct 2019 21:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190762-SS-COMPOSITE-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.5  | 54.7# |
| 89      | 1.7   | 55.5  | 83.3# |
| 182     | 0.0   | 2.4   | 3.6#  |



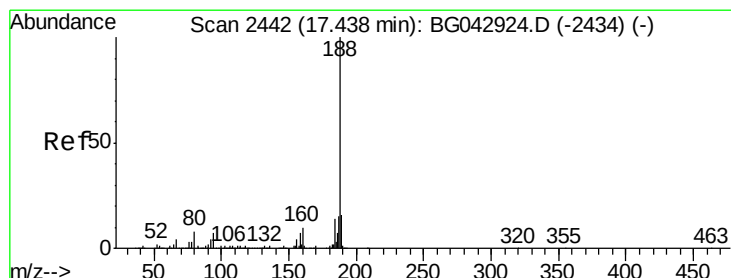
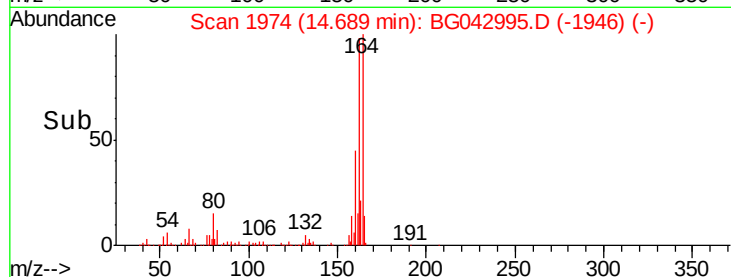
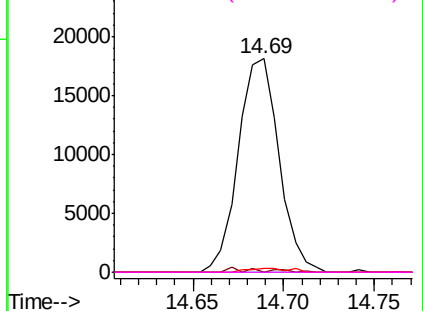
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

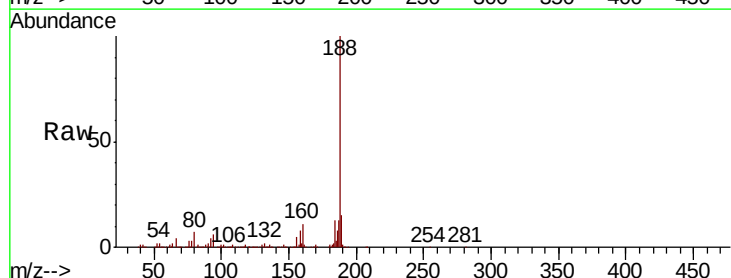
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.43 min Scan# 2440  
 Delta R.T. -0.01 min  
 Lab File: BG042995.D  
 Acq: 2 Oct 2019 21:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.3   | 5.7   | 8.5   |
| 80      | 7.4   | 6.5   | 9.7   |

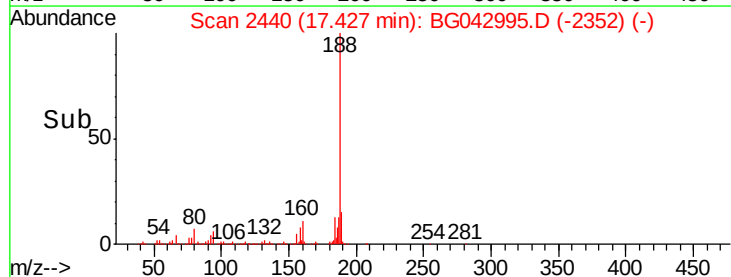
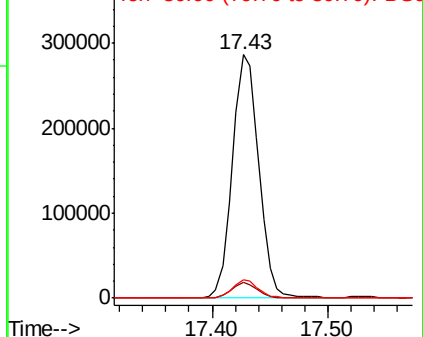


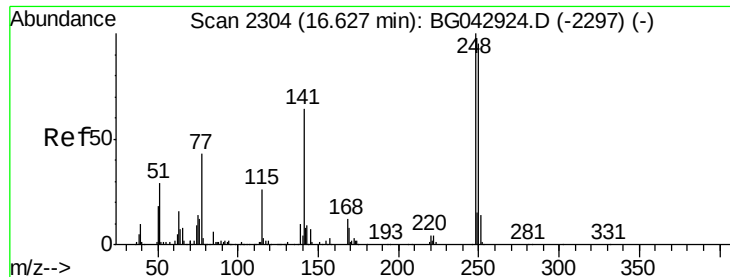
Abundance

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

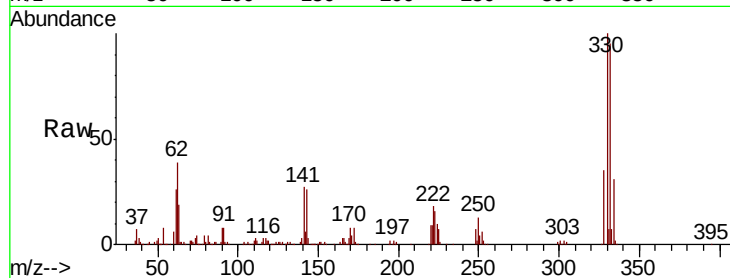




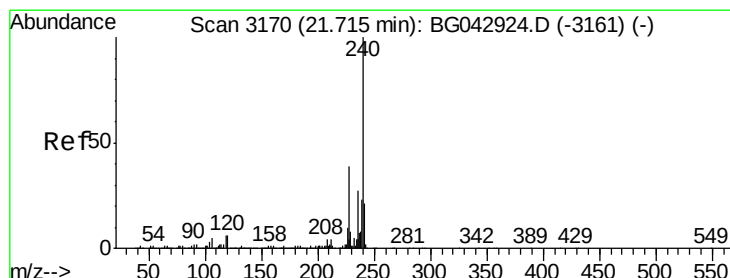
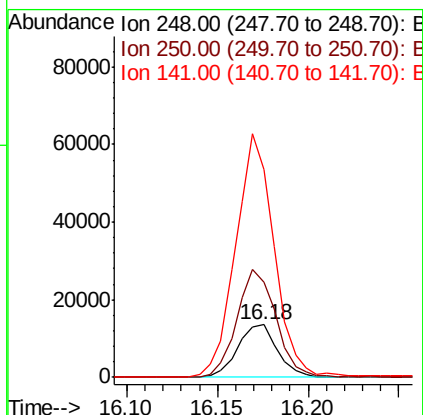
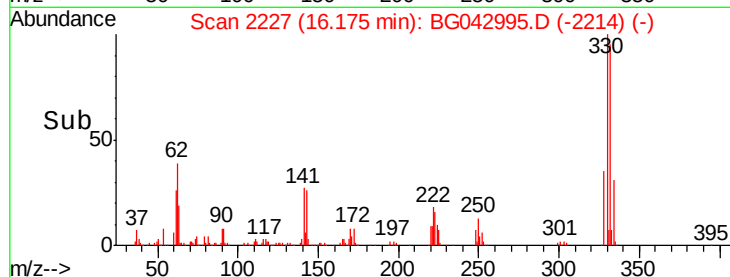
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.631 ng  
 RT: 16.18 min Scan# 2227  
 Delta R.T. -0.45 min  
 Lab File: BG042995.D  
 Acq: 2 Oct 2019 21:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190762-SS-COMPOSITE-2

Tot Ion:248 Resp: 20670  
 Ion Ratio Lower Upper  
 248 100  
 250 181.0 75.8 113.8#  
 141 394.1 51.1 76.7#

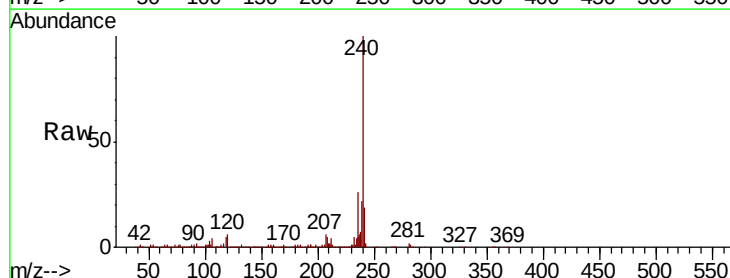


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

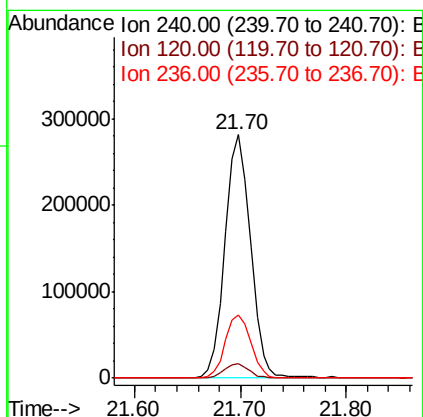
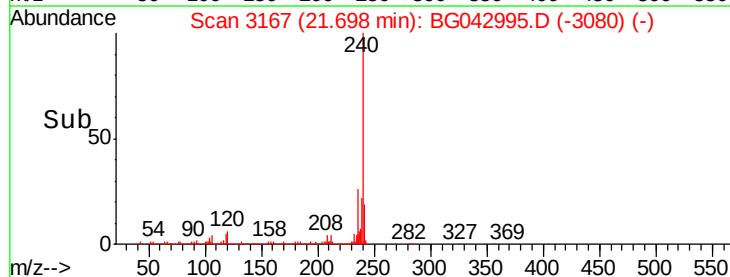


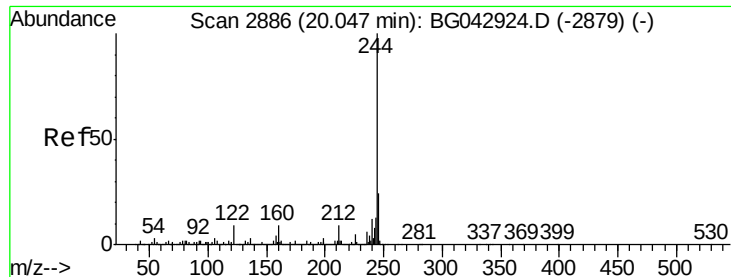
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.70 min Scan# 3167  
 Delta R.T. -0.02 min  
 Lab File: BG042995.D  
 Acq: 2 Oct 2019 21:40

Tgt Ion:240 Resp: 472745  
 Ion Ratio Lower Upper  
 240 100  
 120 5.8 4.8 7.2  
 236 25.8 21.4 32.0



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: 60.627 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

Instrument :

BNA\_G

ClientSampleId :

20190762-SS-COMPOSITE-2

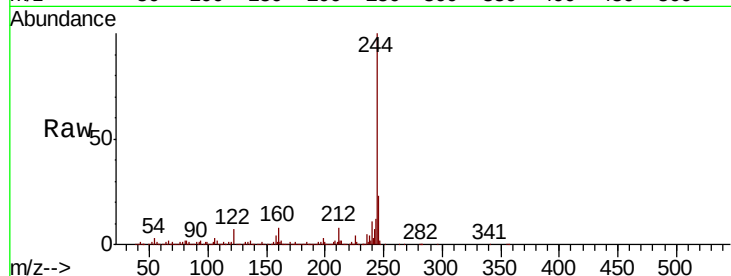
Tot Ion:244 Resp: 1345028

Ion Ratio Lower Upper

244 100

212 7.7 7.4 11.0

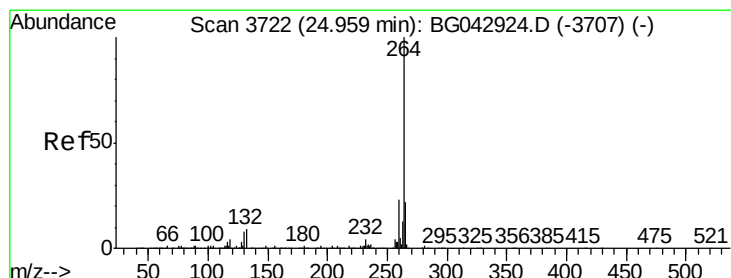
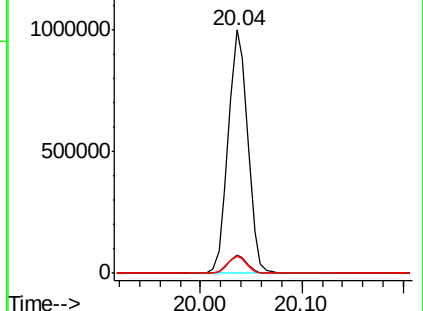
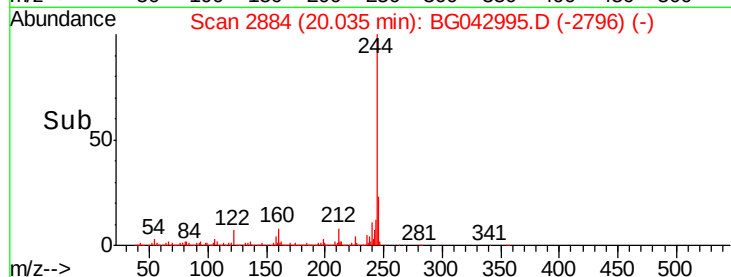
122 7.3 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.03 min

Lab File: BG042995.D

Acq: 2 Oct 2019 21:40

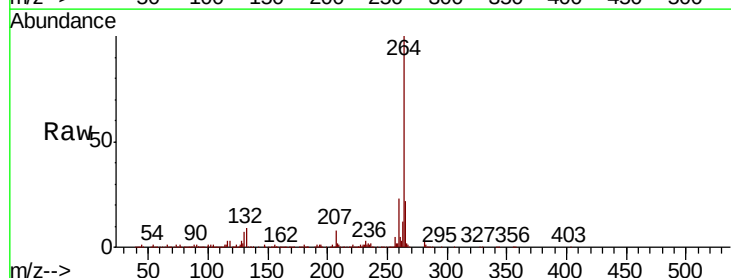
Tgt Ion:264 Resp: 540476

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 22.4 17.7 26.5



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

