

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\  
 Data File : BG038300.D  
 Acq On : 1 Dec 2018 23:25  
 Operator : JU/SJ  
 Sample : J6128-14  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112718-CHDE-F-U-S

Quant Time: Dec 03 03:22:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

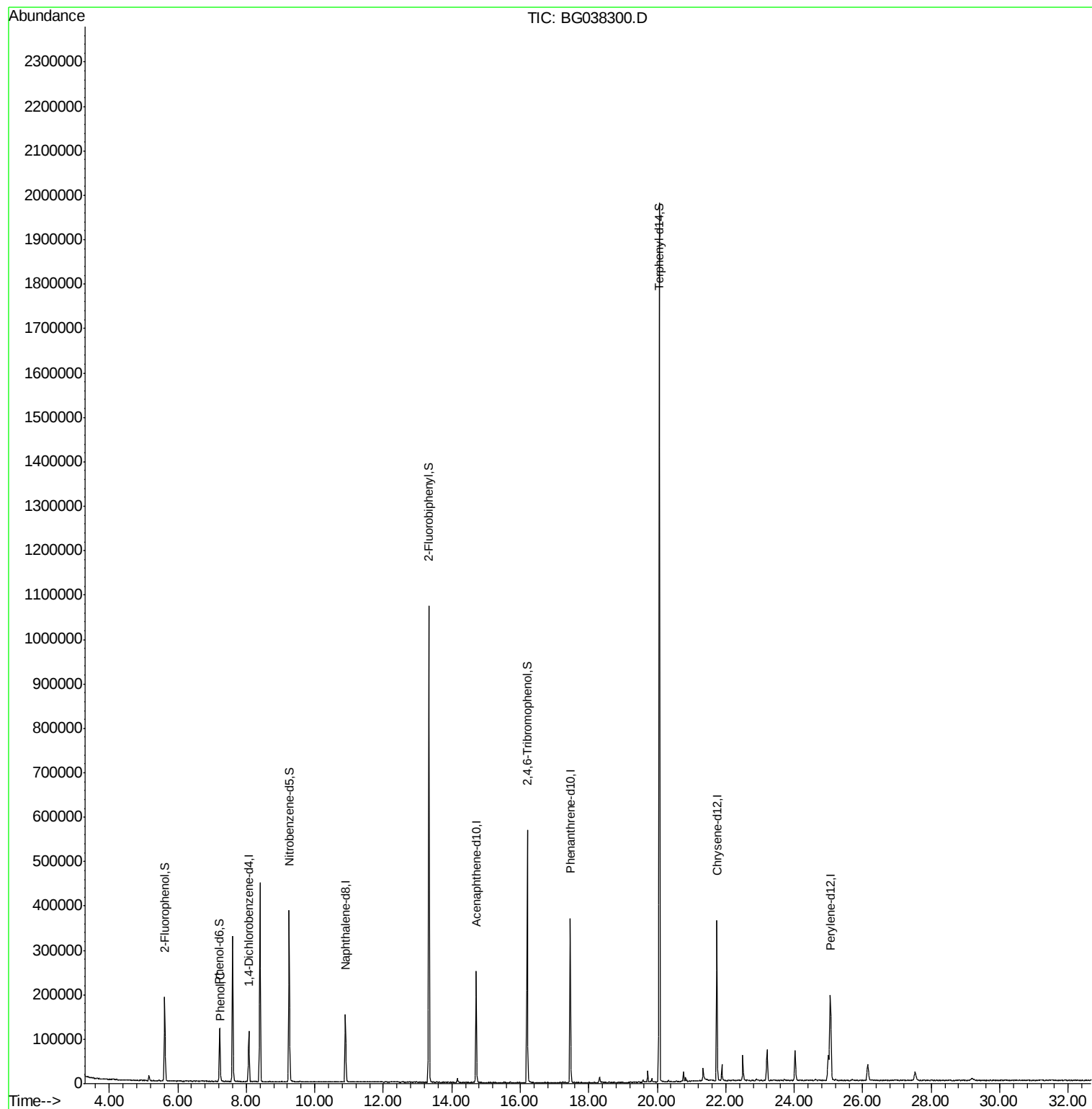
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 32165    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.90 | 136  | 137929   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10        | 14.71 | 164  | 89906    | 20.00  | ng    | -0.01     |
| 64) Phenanthrene-d10        | 17.46 | 188  | 231829   | 20.00  | ng    | -0.01     |
| 76) Chrysene-d12            | 21.74 | 240  | 218076   | 20.00  | ng    | -0.01     |
| 87) Perylene-d12            | 25.05 | 264  | 222120   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.62  | 112  | 83258    | 44.69  | ng    | -0.01     |
| 7) Phenol-d6                | 7.22  | 99   | 72967    | 27.44  | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 242416   | 94.08  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 106687   | 104.05 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 13.34 | 172  | 570528   | 92.45  | ng    | -0.01     |
| 79) Terphenyl-d14           | 20.06 | 244  | 931004   | 100.45 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.25  | 94   | 5854     | 2.078  | ng    | Qvalue 93 |

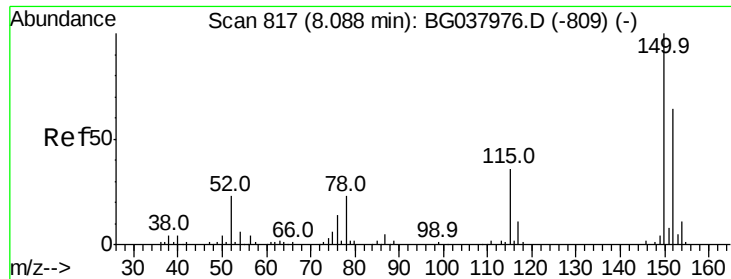
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\  
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Sample : J6128-14  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
112718-CHDE-F-U-S

Quant Time: Dec 03 03:22:54 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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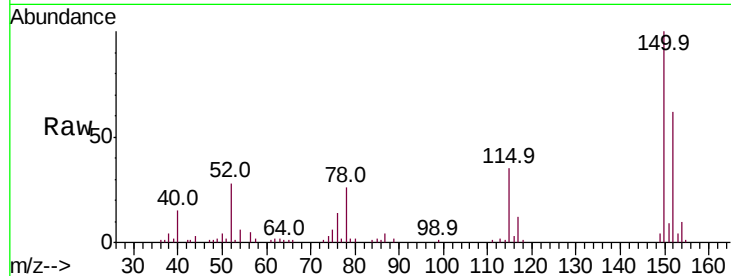


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.08 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112718-CHDE-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 126.0 | 189.0 |
| 115     | 56.2  | 45.5  | 68.3  |

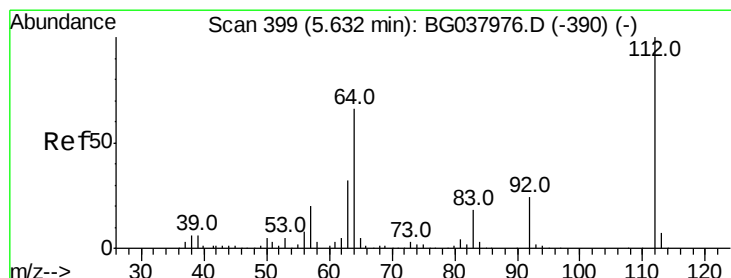
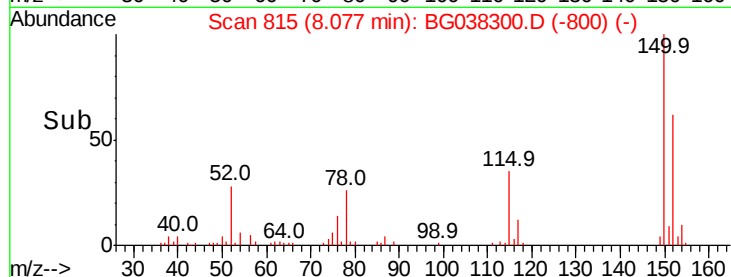
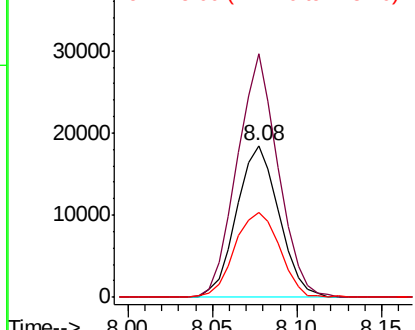


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

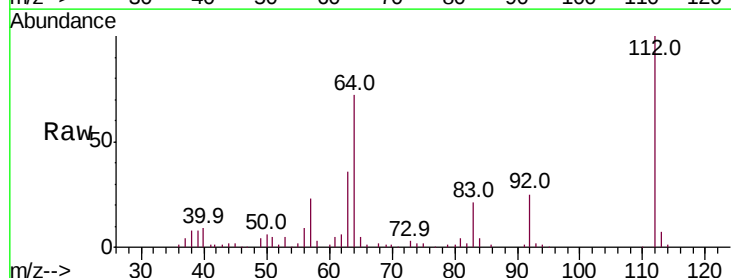
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 44.692 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.4  | 53.1  | 79.7  |
| 63      | 36.4  | 27.3  | 40.9  |

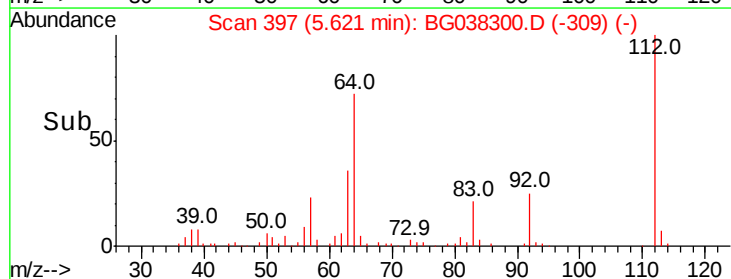
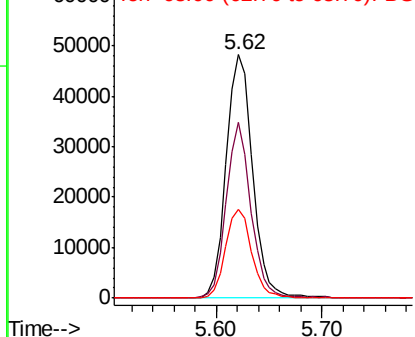


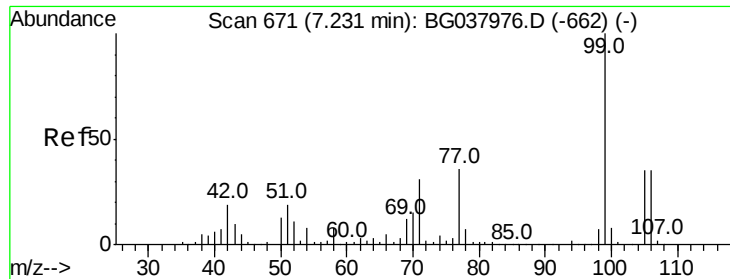
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 27.439 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038300.D

Acq: 1 Dec 2018 23:25

Instrument :

BNA\_G

ClientSampleId :

112718-CHDE-F-U-S

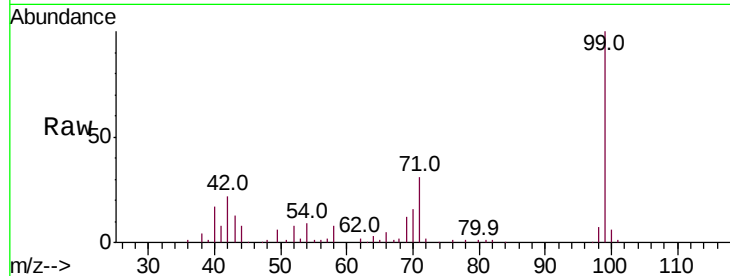
Tot Ion: 99 Resp: 72967

Ion Ratio Lower Upper

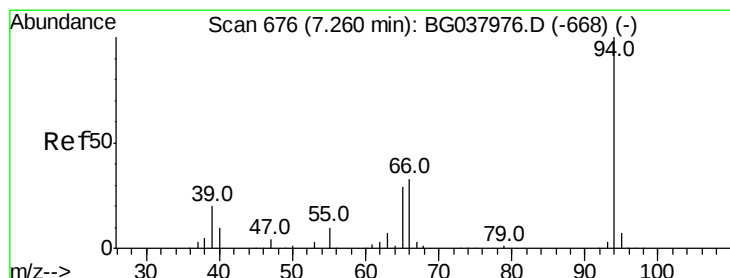
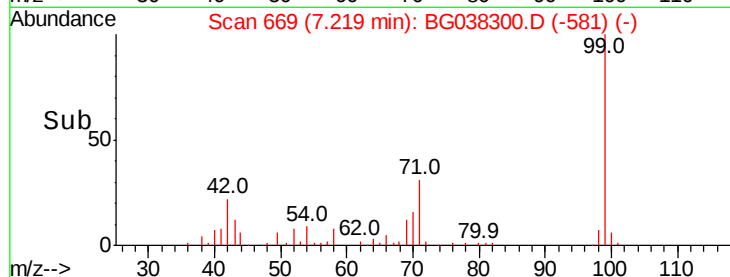
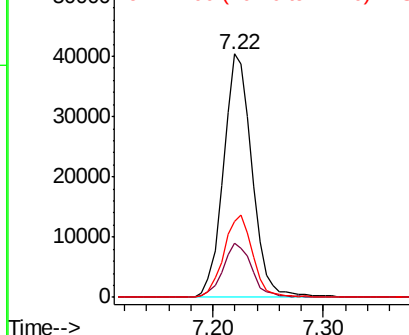
99 100

42 22.5 15.0 22.4#

71 31.3 25.5 38.3



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: 2.078 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG038300.D

Acq: 1 Dec 2018 23:25

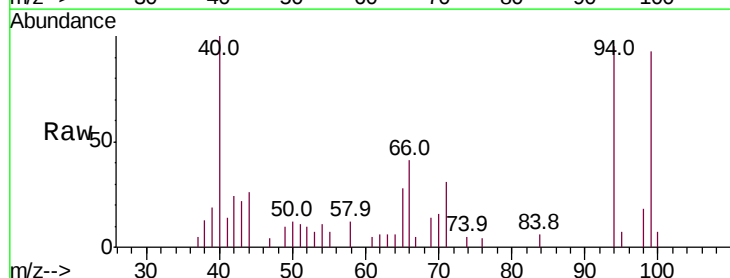
Tgt Ion: 94 Resp: 5854

Ion Ratio Lower Upper

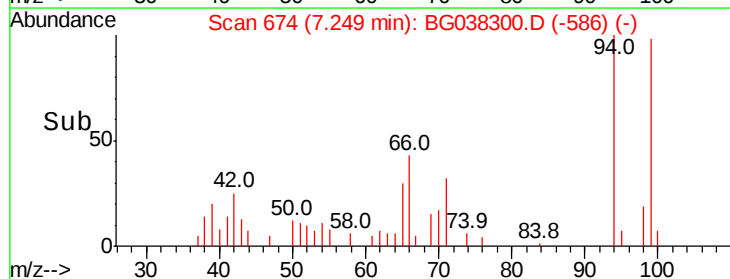
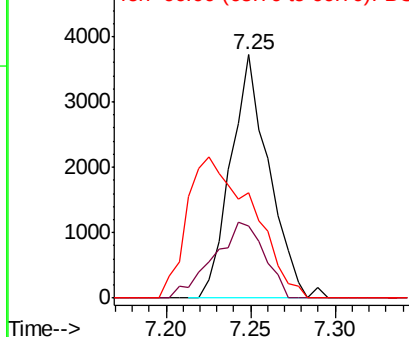
94 100

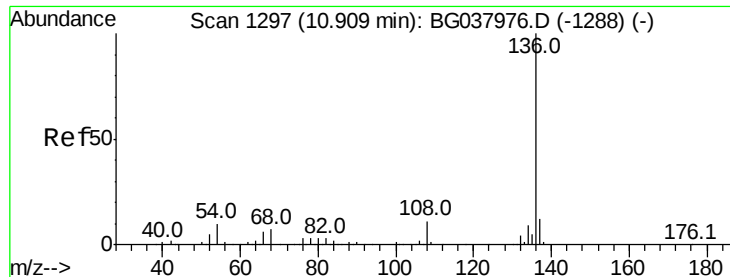
65 29.8 9.7 49.7

66 43.2 15.9 55.9



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

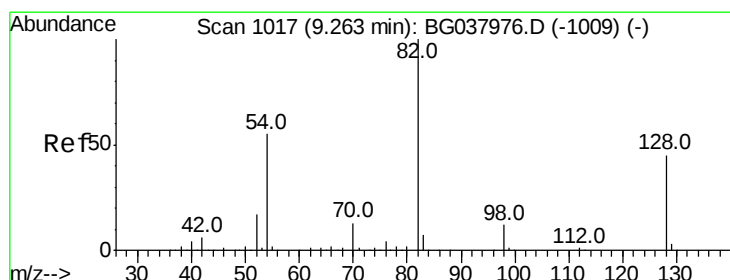
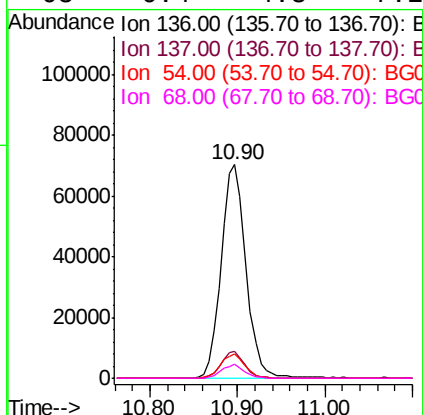
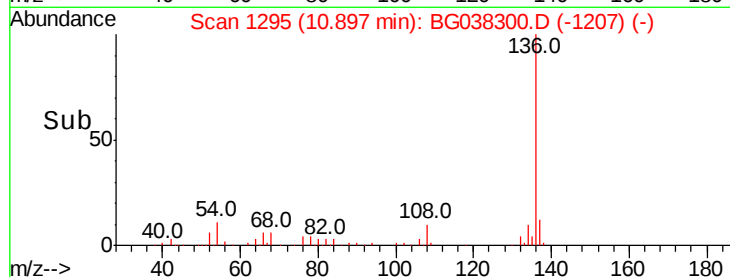
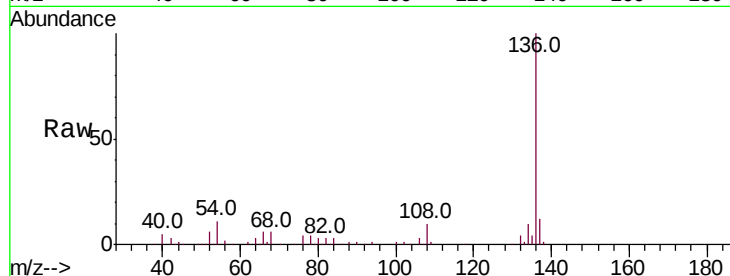




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.90 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BG038300.D  
Acq: 1 Dec 2018 23:25

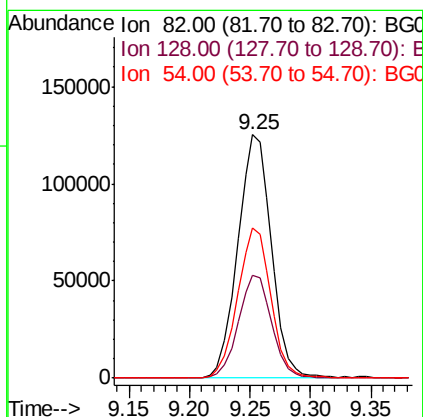
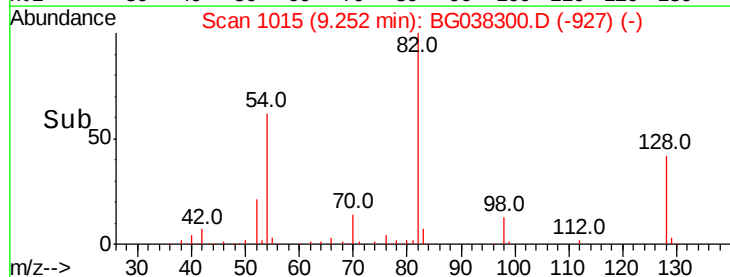
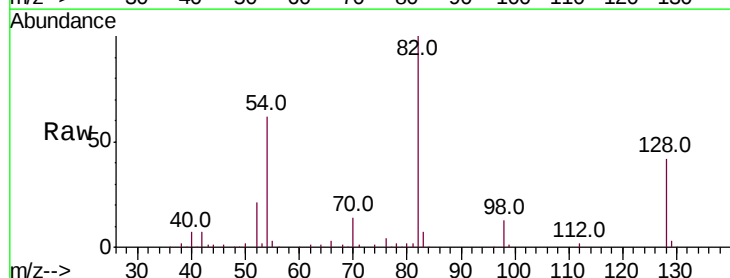
Instrument :  
BNA\_G  
ClientSampleId :  
112718-CHDE-F-U-S

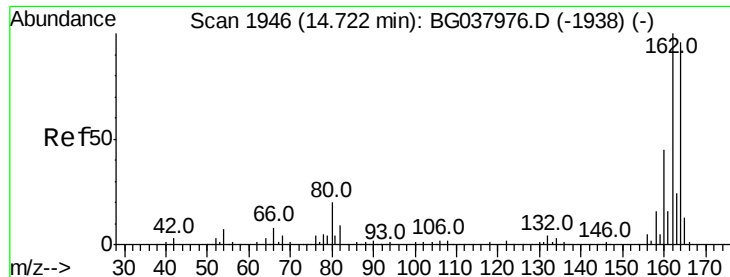
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 137929 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.4  | 9.6   | 14.4   |
| 54       | 11.5  | 7.9   | 11.9   |
| 68       | 6.4   | 4.8   | 7.2    |



#23  
Nitrobenzene-d5  
Concen: 94.082 ng  
RT: 9.25 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BG038300.D  
Acq: 1 Dec 2018 23:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 242416 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.0  | 34.6  | 51.8   |
| 54       | 61.9  | 45.3  | 67.9   |

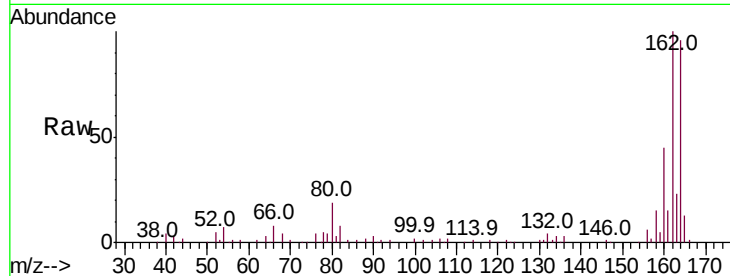




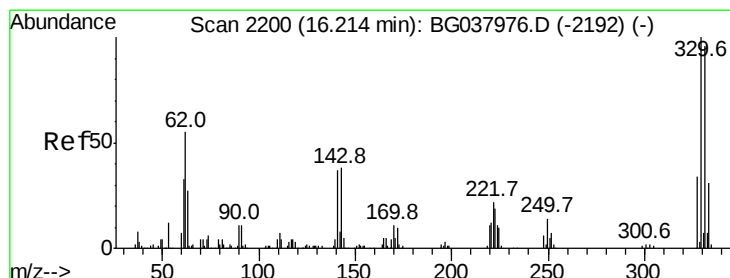
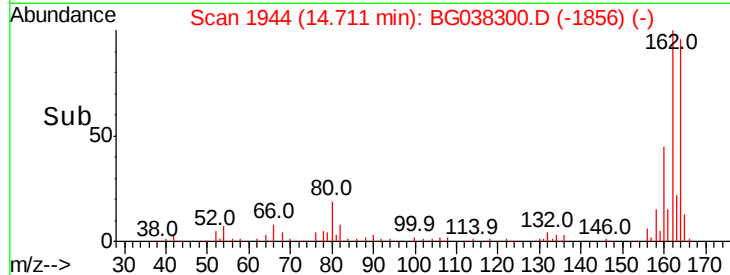
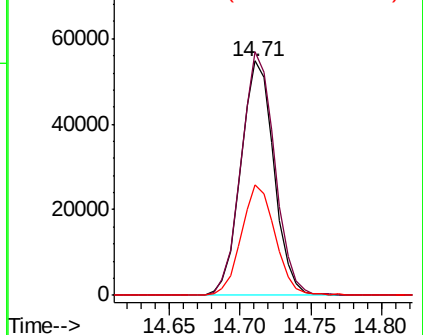
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.71 min Scan# 1944  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112718-CHDE-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 81.3  | 121.9 |
| 160     | 47.0  | 36.3  | 54.5  |

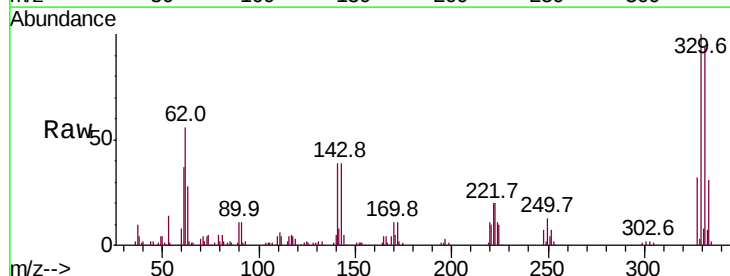


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

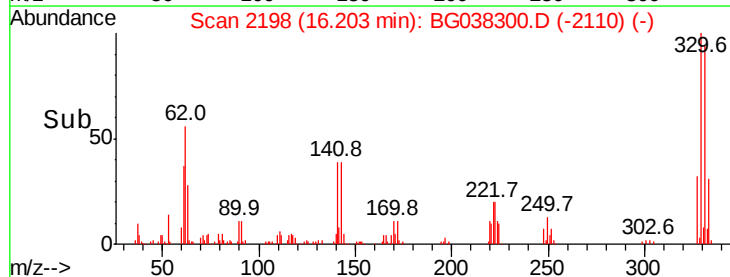
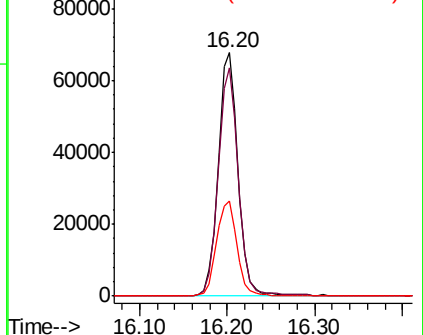


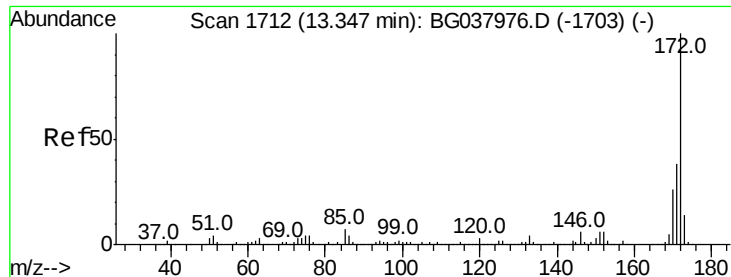
#42  
 2,4,6-Tribromophenol  
 Concen: 104.049 ng  
 RT: 16.20 min Scan# 2198  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 78.4  | 117.6 |
| 141     | 40.4  | 32.2  | 48.2  |



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

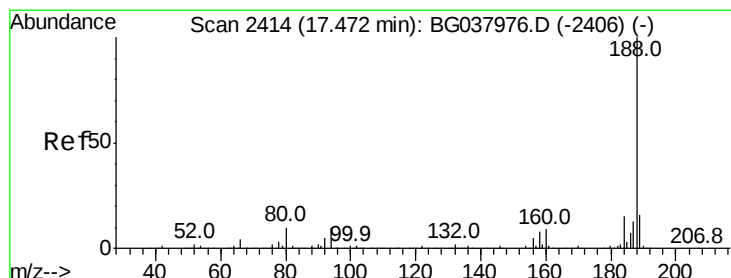
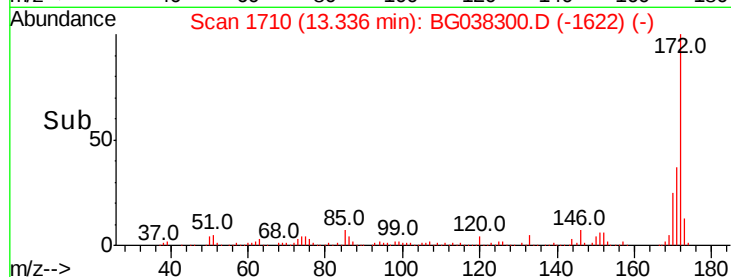
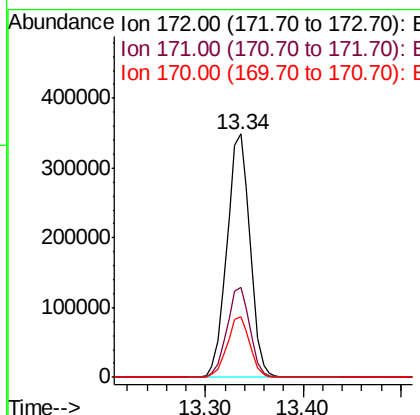
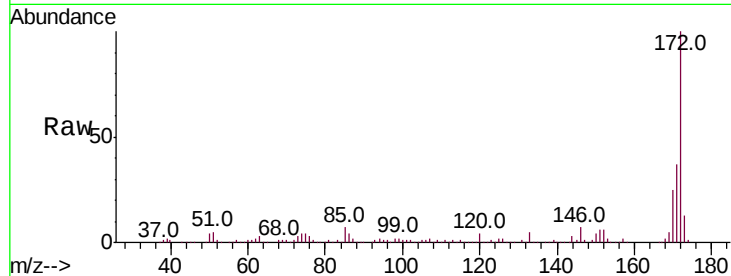




#45  
 2-Fluorobiphenyl  
 Concen: 92.449 ng  
 RT: 13.34 min Scan# 1710  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

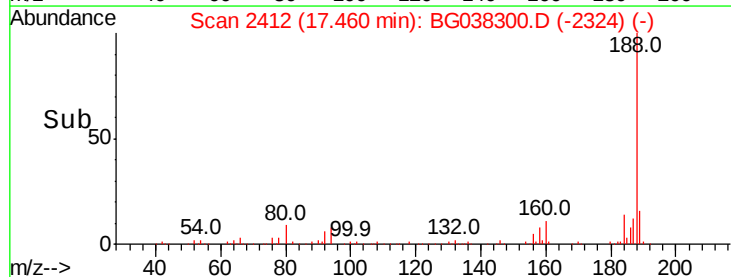
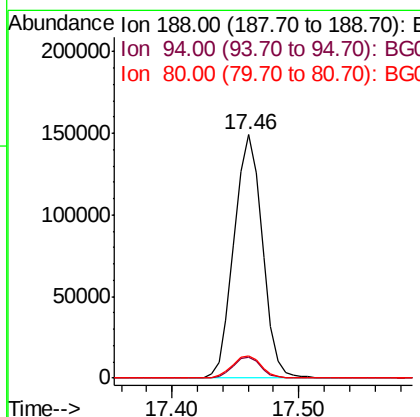
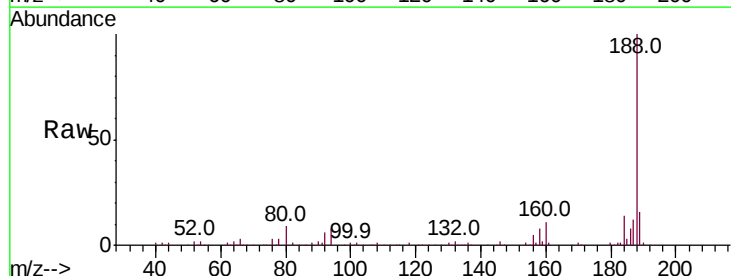
Instrument :  
 BNA\_G  
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 112718-CHDE-F-U-S

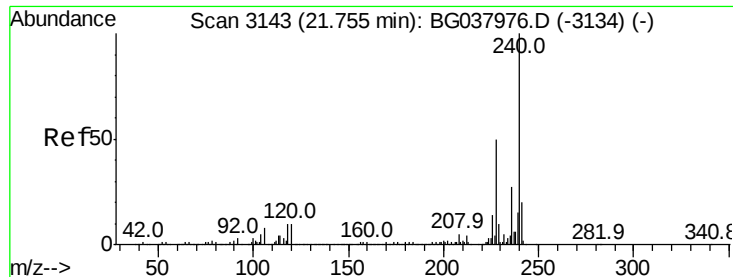
Tot Ion:172 Resp: 570528  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 31.0 46.4  
 170 24.7 20.2 30.2



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.46 min Scan# 2412  
 Delta R.T. -0.01 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

Tgt Ion:188 Resp: 231829  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 7.2 10.8  
 80 9.2 7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG038300.D

Acq: 1 Dec 2018 23:25

Instrument :

BNA\_G

ClientSampleId :

112718-CHDE-F-U-S

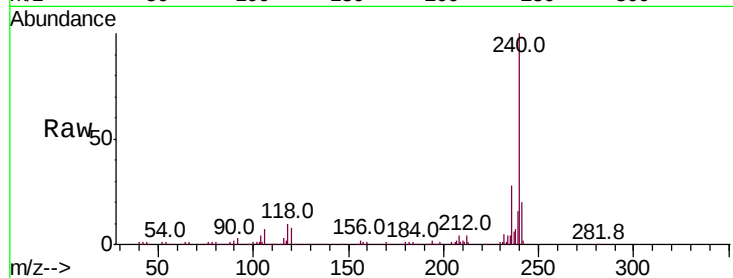
Tot Ion:240 Resp: 218076

Ion Ratio Lower Upper

240 100

120 8.3 8.1 12.1

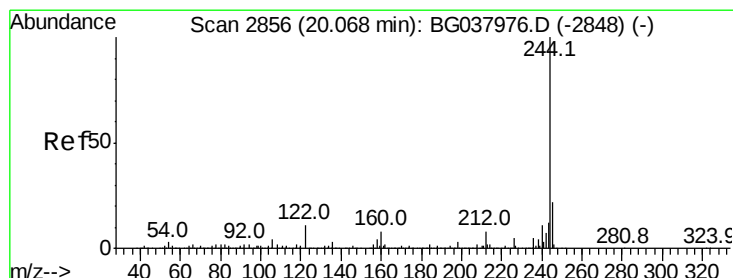
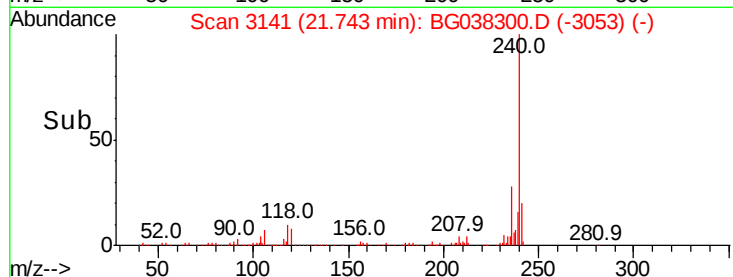
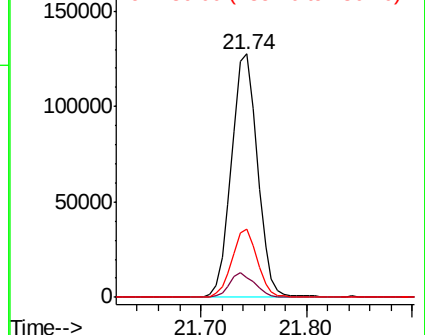
236 28.0 21.4 32.0



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: 100.454 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038300.D

Acq: 1 Dec 2018 23:25

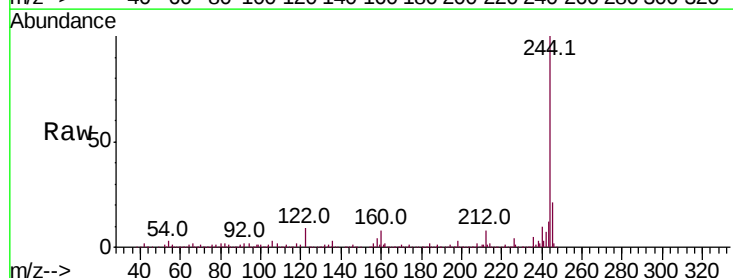
Tgt Ion:244 Resp: 931004

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

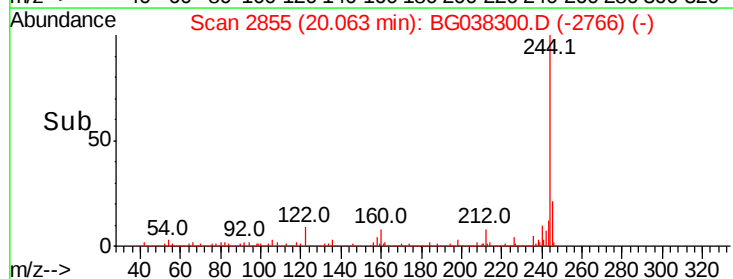
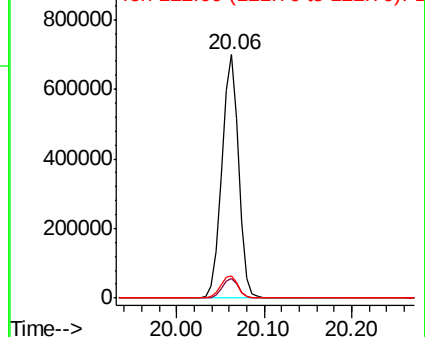
122 9.1 9.0 13.4

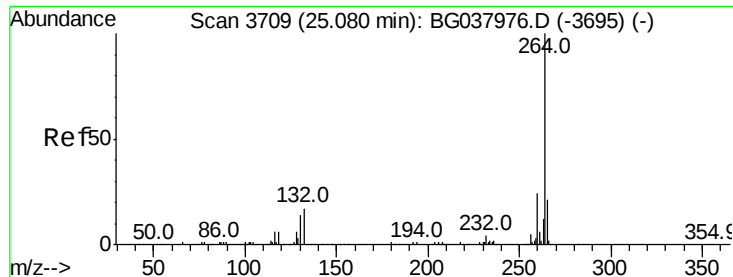


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.05 min Scan# 3704  
 Delta R.T. -0.03 min  
 Lab File: BG038300.D  
 Acq: 1 Dec 2018 23:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112718-CHDE-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.2  | 18.2  | 27.4  |
| 265     | 22.1  | 17.9  | 26.9  |

