

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110118\  
 Data File : BG037748.D  
 Acq On : 2 Nov 2018 10:10  
 Operator : JU/SJ  
 Sample : J5741-22  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5

Quant Time: Nov 02 14:31:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 68804    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.92 | 136  | 300545   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 198851   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 434349   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.77 | 240  | 388331   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.10 | 264  | 295709   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 461383   | 112.11 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 625331   | 100.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 450262   | 83.92  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 240232   | 110.76 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 1106582  | 83.92  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.08 | 244  | 1612347  | 88.72  | ng    | 0.00     |

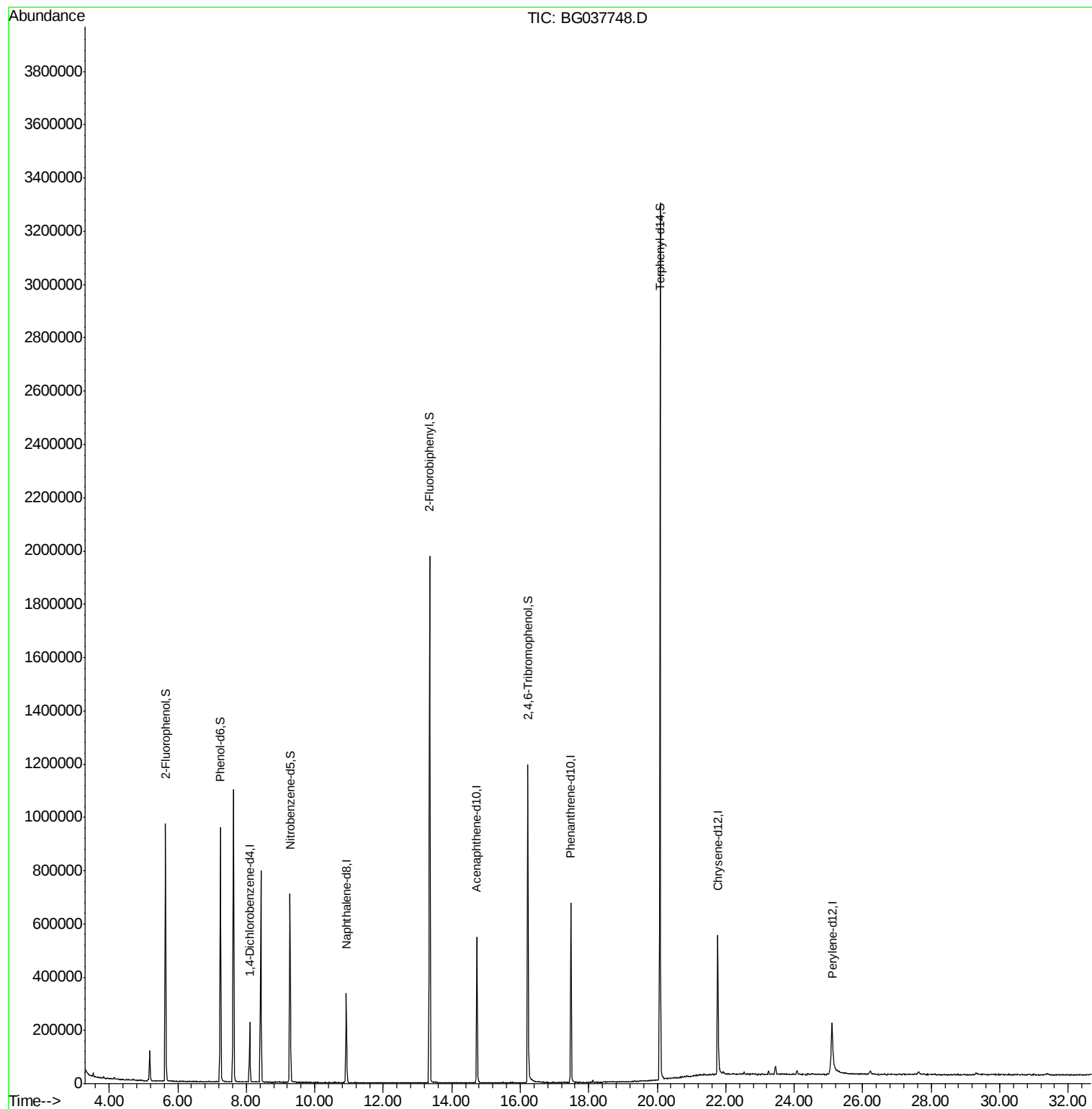
Target Compounds Qvalue

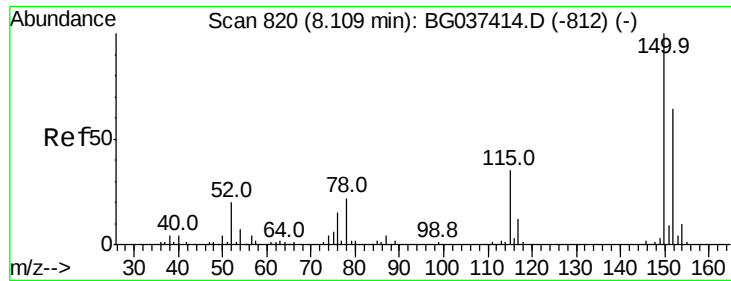
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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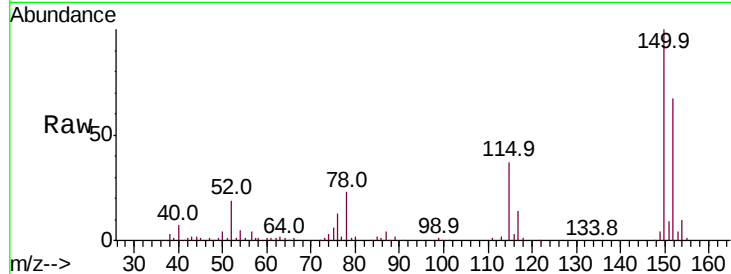


#1

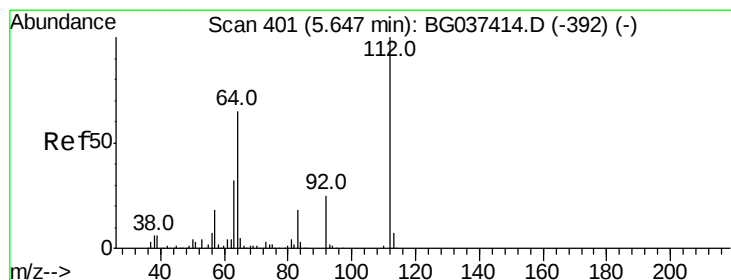
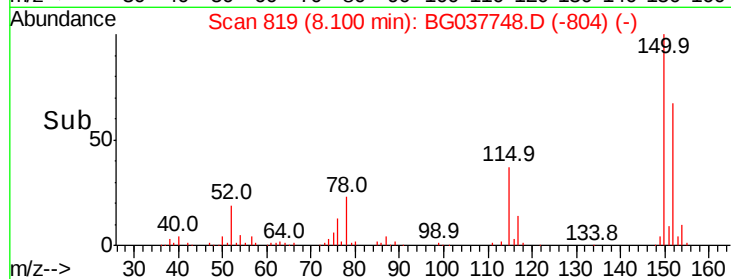
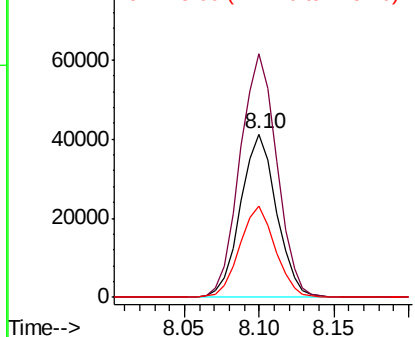
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037748.D  
Acq: 2 Nov 2018 10:10

Instrument :  
BNA\_G  
ClientSampleId :  
TP-5

Tot Ion:152 Resp: 68804  
Ion Ratio Lower Upper  
152 100  
150 149.3 126.0 189.0  
115 56.0 45.5 68.3



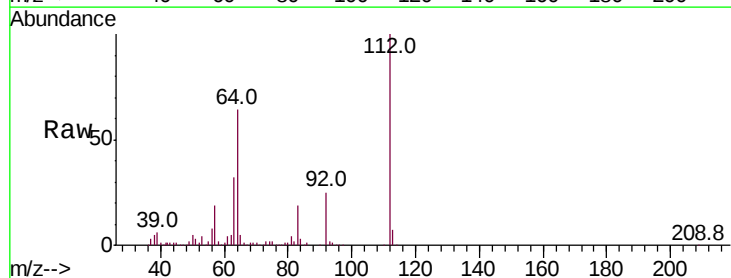
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



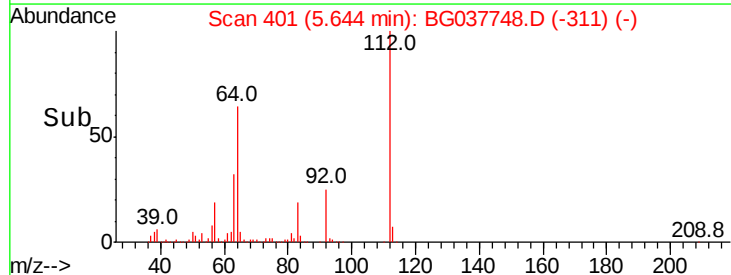
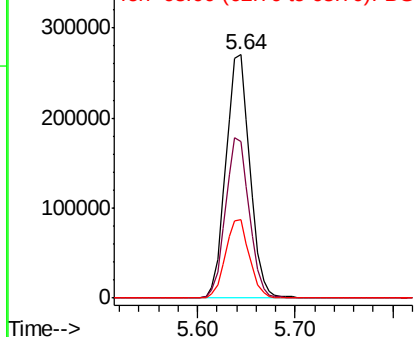
#5

2-Fluorophenol  
Concen: 112.110 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037748.D  
Acq: 2 Nov 2018 10:10

Tgt Ion:112 Resp: 461383  
Ion Ratio Lower Upper  
112 100  
64 64.1 53.1 79.7  
63 32.4 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: 100.486 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

Instrument :

BNA\_G

ClientSampleId :

TP-5

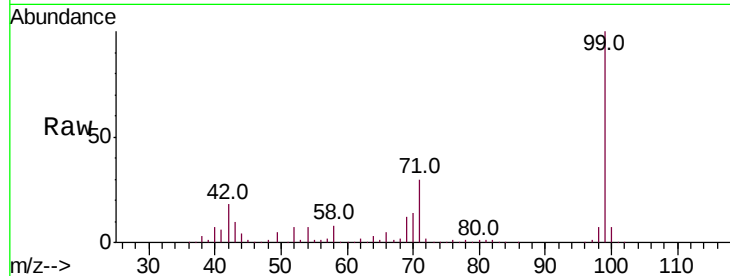
Tot Ion: 99 Resp: 625331

Ion Ratio Lower Upper

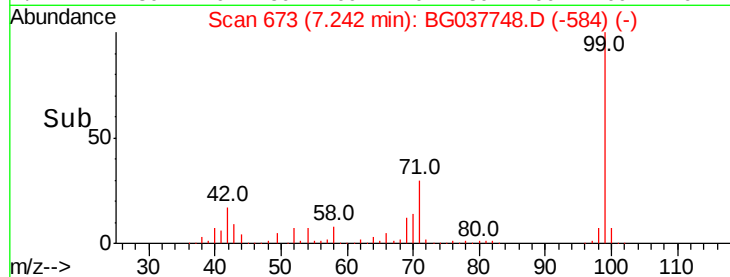
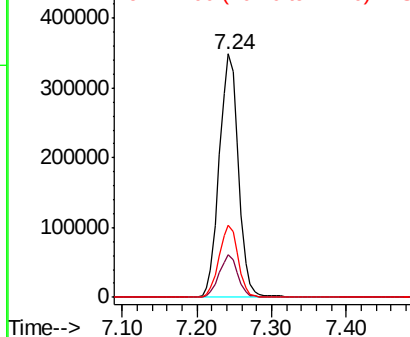
99 100

42 17.6 15.0 22.4

71 29.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

Tgt Ion: 136 Resp: 300545

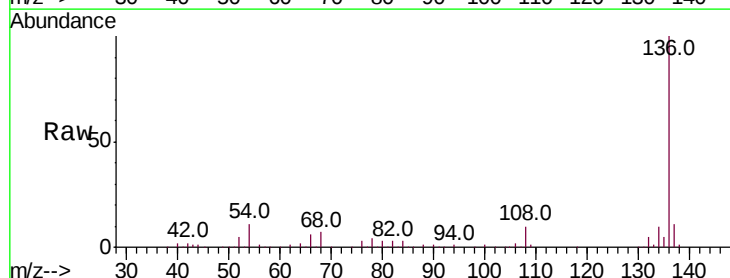
Ion Ratio Lower Upper

136 100

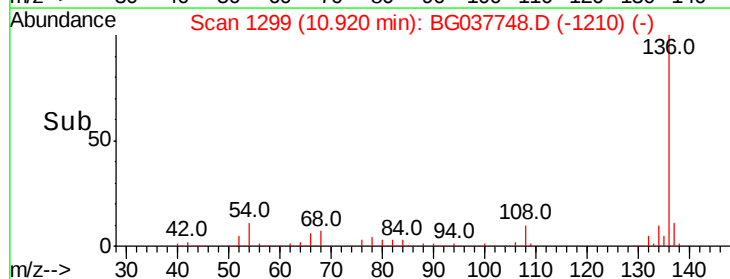
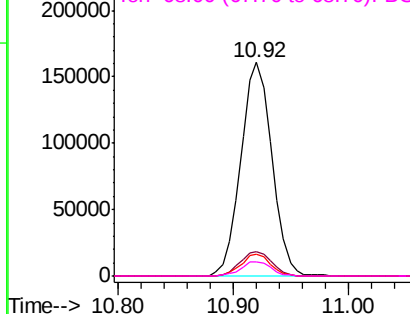
137 11.4 9.6 14.4

54 10.5 7.9 11.9

68 6.9 4.8 7.2



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

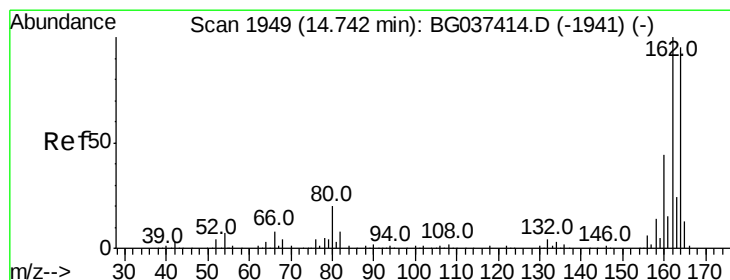
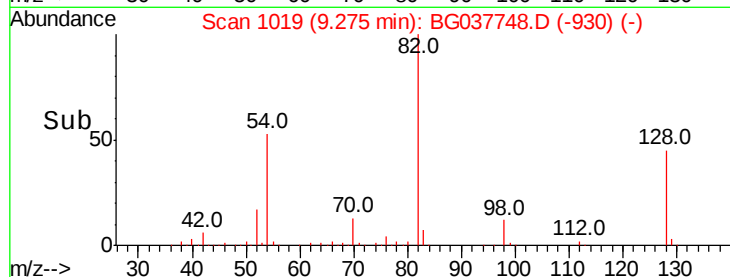
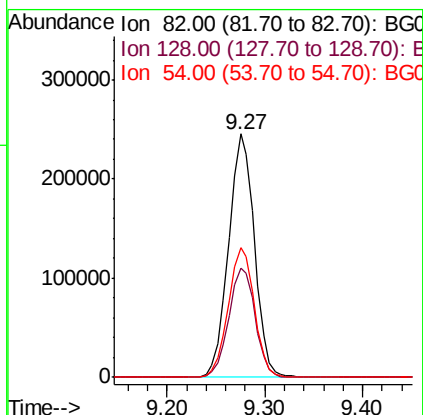
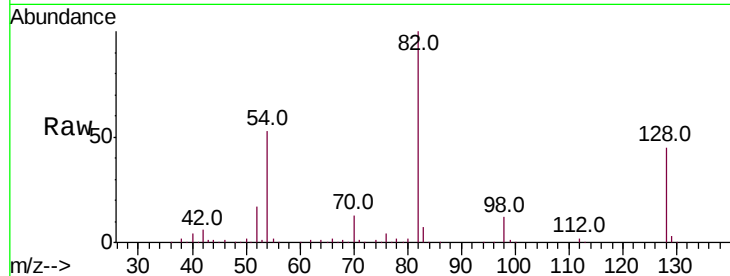




#23  
Nitrobenzene-d5  
Concen: 83.925 ng  
RT: 9.27 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037748.D  
Acq: 2 Nov 2018 10:10

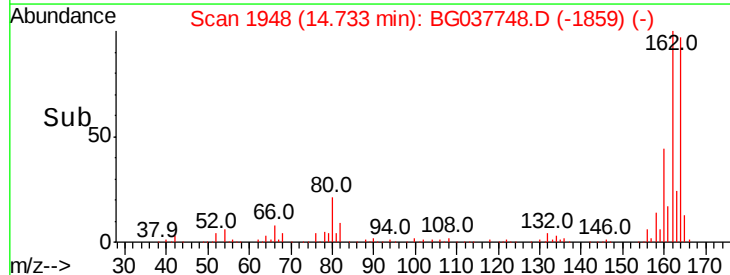
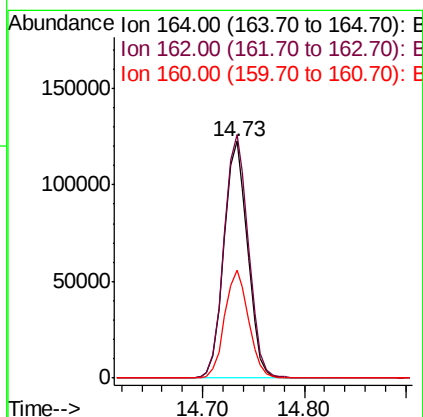
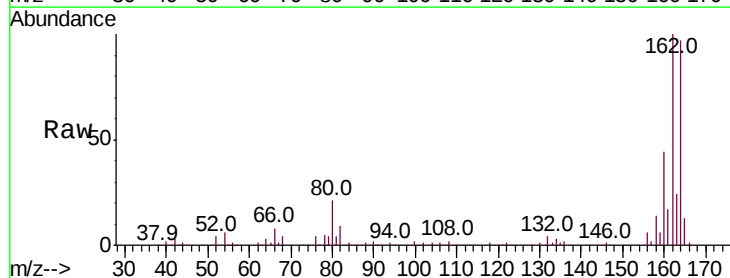
Instrument :  
BNA\_G  
ClientSampleId :  
TP-5

Tot Ion: 82 Resp: 450262  
Ion Ratio Lower Upper  
82 100  
128 45.0 34.6 51.8  
54 53.1 45.3 67.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BG037748.D  
Acq: 2 Nov 2018 10:10

Tgt Ion:164 Resp: 198851  
Ion Ratio Lower Upper  
164 100  
162 102.9 81.3 121.9  
160 45.7 36.3 54.5

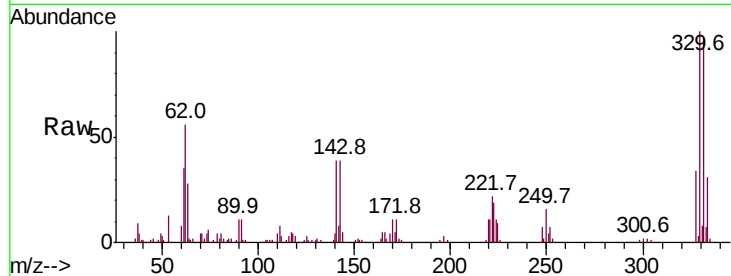




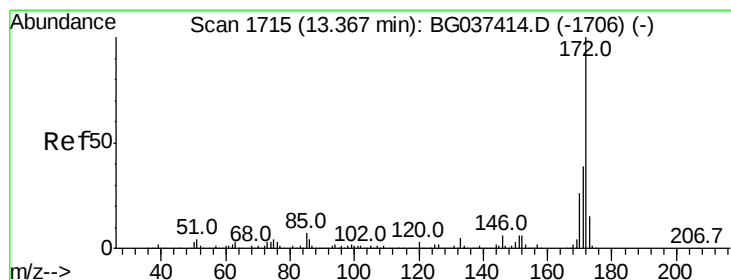
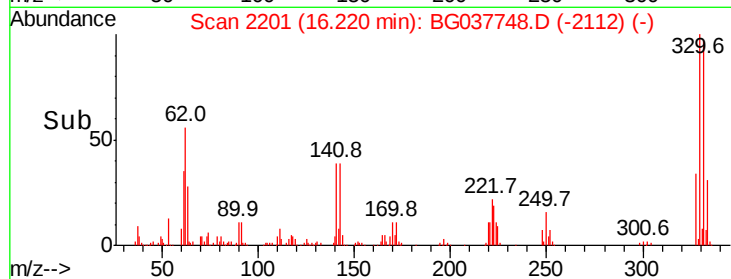
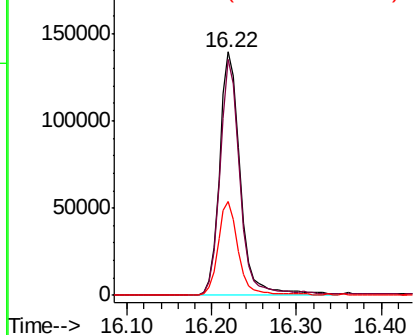
#42  
 2,4,6-Tribromophenol  
 Concen: 110.765 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037748.D  
 Acq: 2 Nov 2018 10:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.4  | 78.4  | 117.6 |
| 141     | 37.8  | 32.2  | 48.2  |

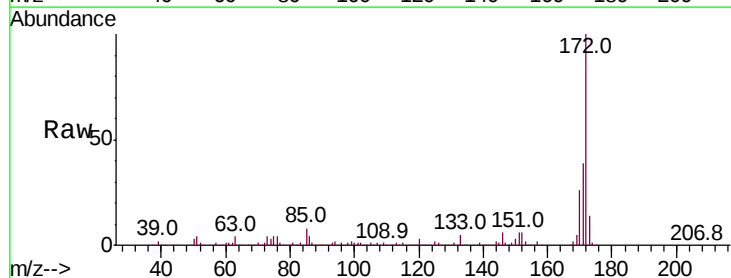


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

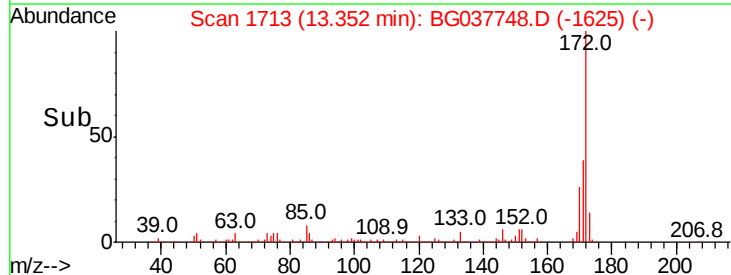
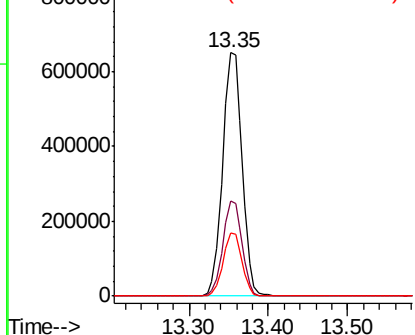


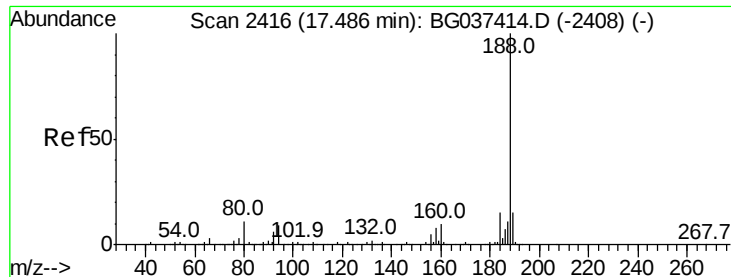
#45  
 2-Fluorobiphenyl  
 Concen: 83.915 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BG037748.D  
 Acq: 2 Nov 2018 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 31.0  | 46.4  |
| 170     | 25.7  | 20.2  | 30.2  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

Instrument :

BNA\_G

ClientSampleId :

TP-5

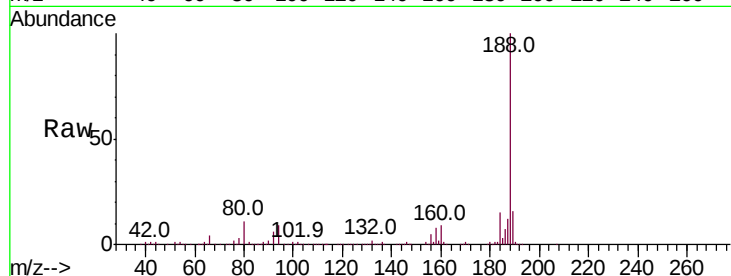
Tot Ion:188 Resp: 434349

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

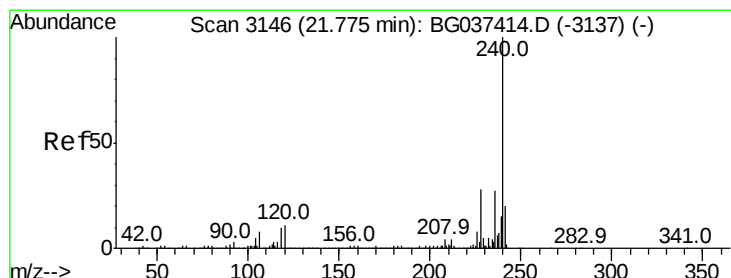
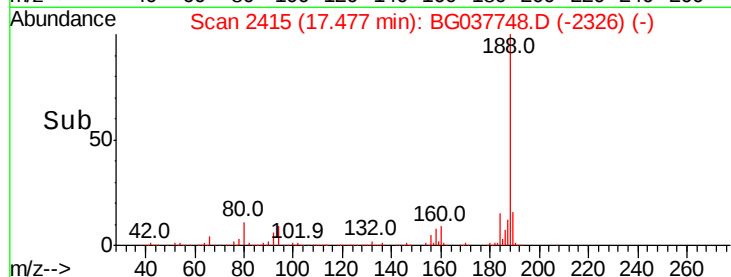
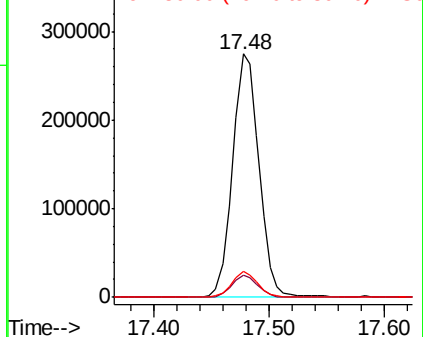
80 10.6 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

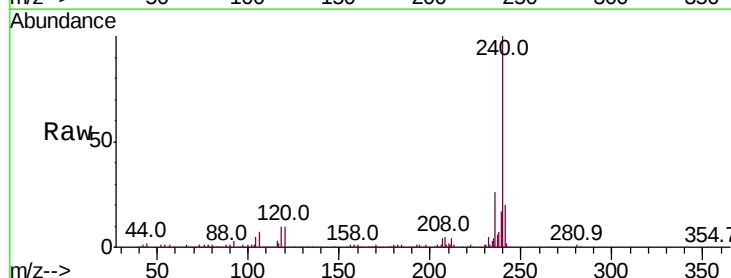
Tgt Ion:240 Resp: 388331

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

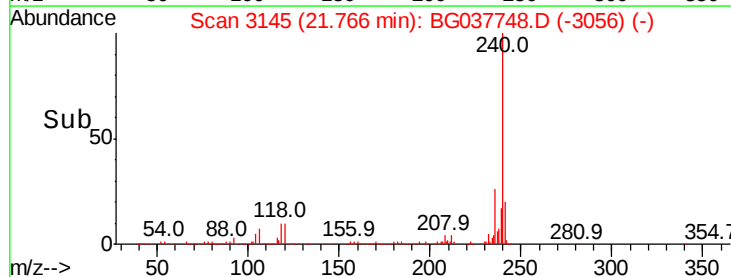
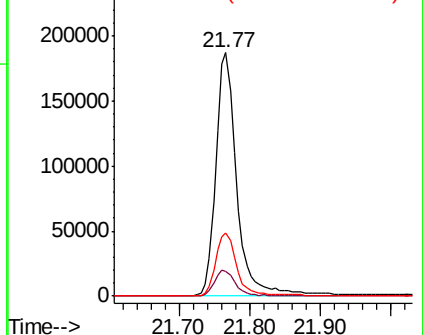
236 26.1 21.4 32.0



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: 88.718 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

Instrument :

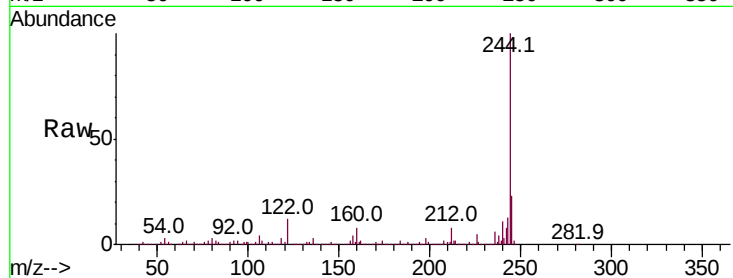
BNA\_G

ClientSampled :

TP-5

Tot Ion:244 Resp: 1612347

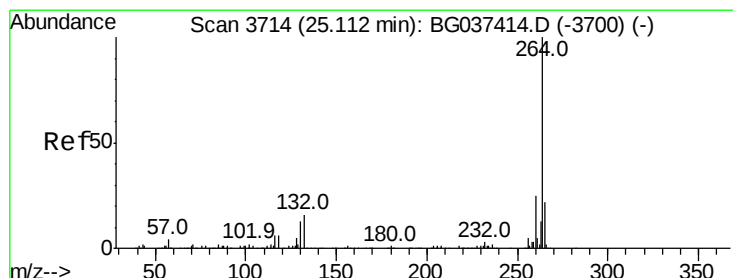
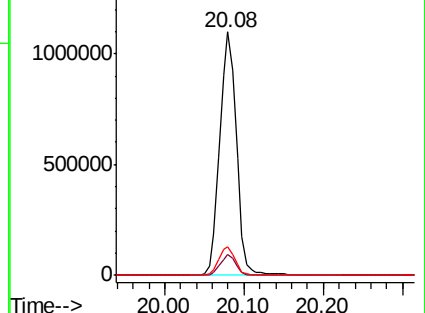
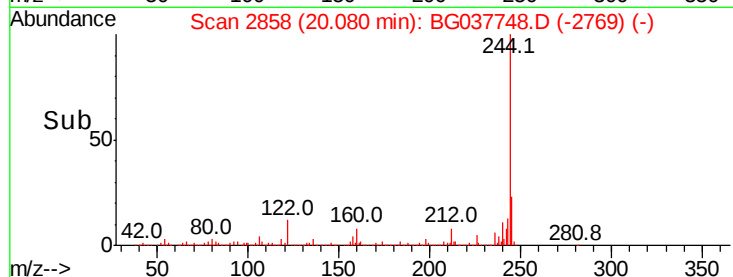
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 6.5   | 9.7   |
| 122 | 11.7  | 9.0   | 13.4  |



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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

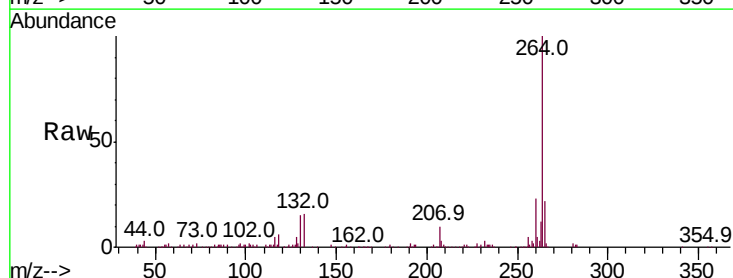
Delta R.T. -0.01 min

Lab File: BG037748.D

Acq: 2 Nov 2018 10:10

Tgt Ion:264 Resp: 295709

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.2  | 27.4  |
| 265 | 21.9  | 17.9  | 26.9  |



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

