

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG101518\  
 Data File : BG037355.D  
 Acq On : 16 Oct 2018 6:17  
 Operator : JU/SJ  
 Sample : J5511-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 16 08:00:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 02:21:11 2018  
 Response via : Initial Calibration

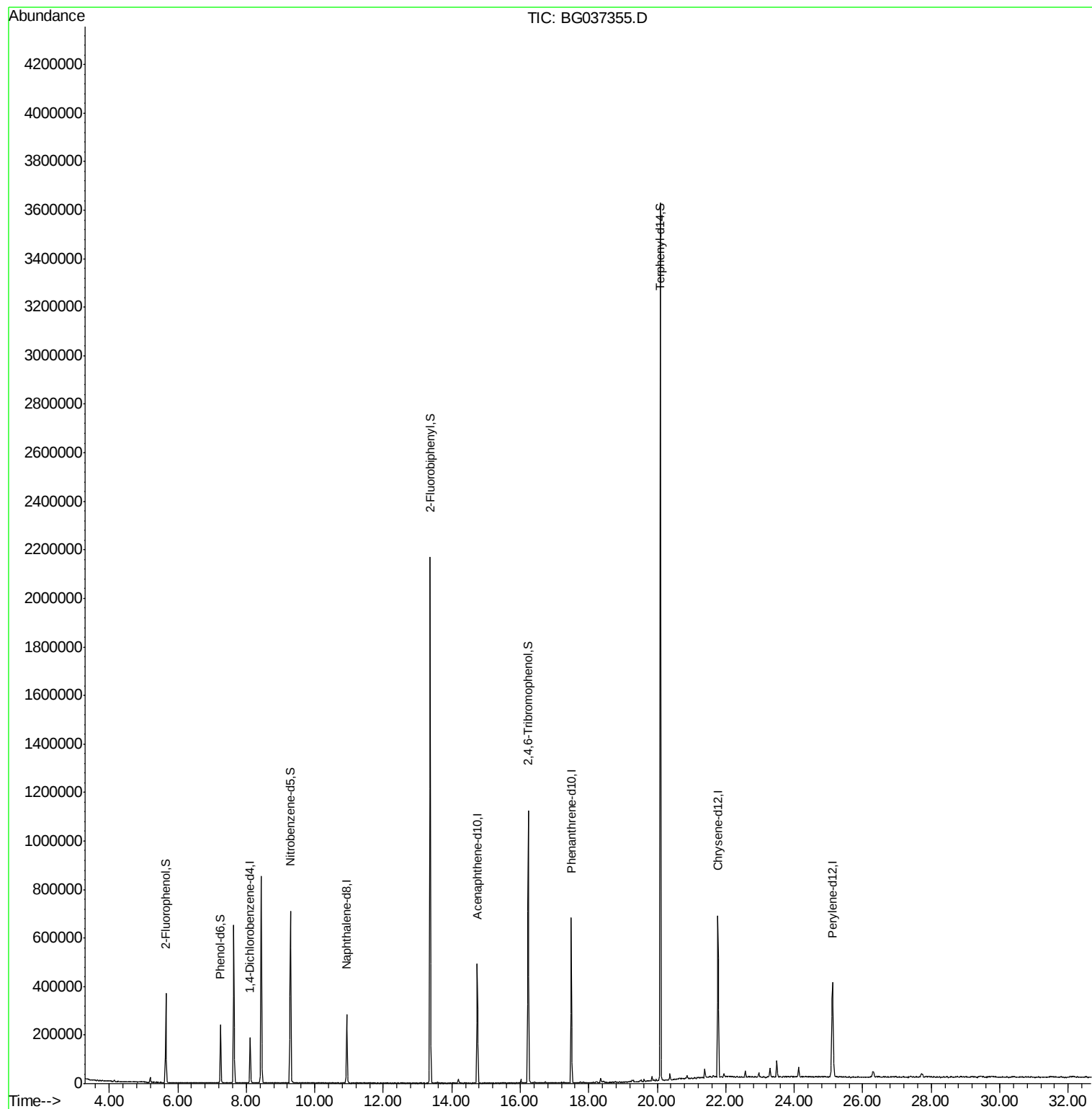
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 56674    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.94 | 136  | 254987   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.74 | 164  | 171444   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.49 | 188  | 436161   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.77 | 240  | 414008   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.12 | 264  | 412043   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 172125   | 53.45  | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 149232   | 30.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 452795   | 116.75 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 200285   | 119.12 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.37 | 172  | 1148240  | 100.58 | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.09 | 244  | 1687891  | 85.61  | ng    | -0.01    |

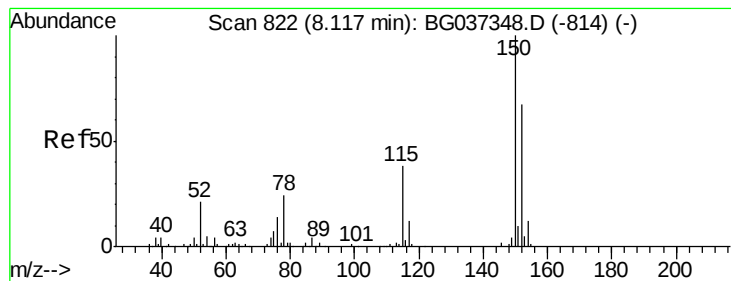
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 16 02:21:11 2018  
Response via : Initial Calibration

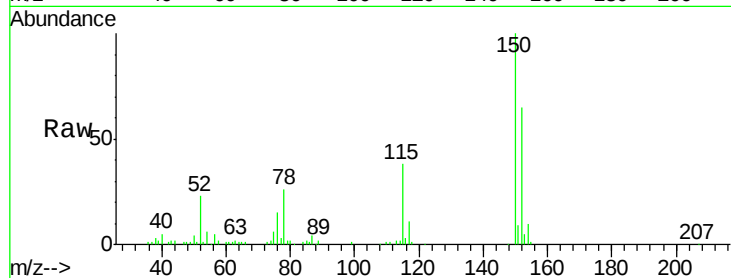




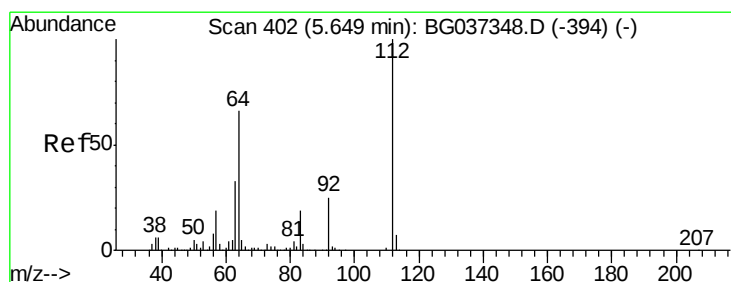
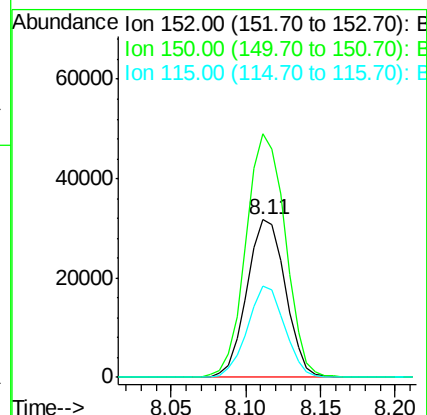
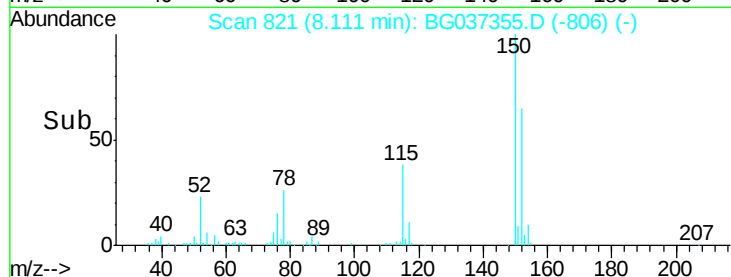
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 126.0 | 189.0 |
| 115     | 58.1  | 45.5  | 68.3  |



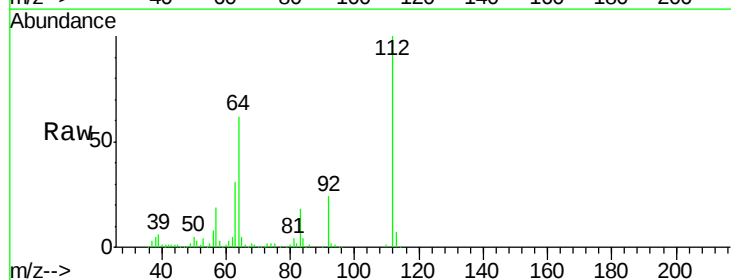
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



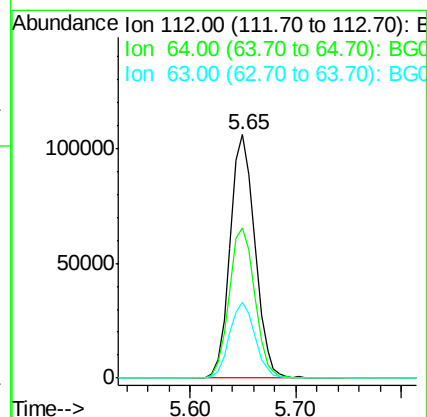
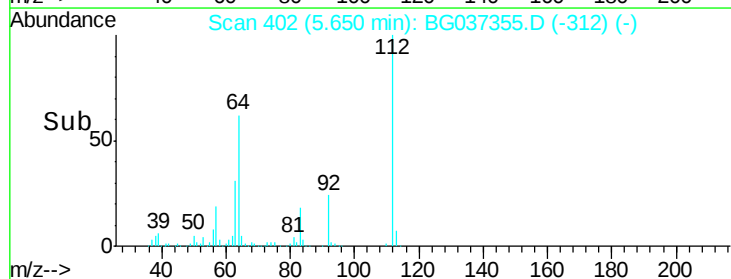
#5

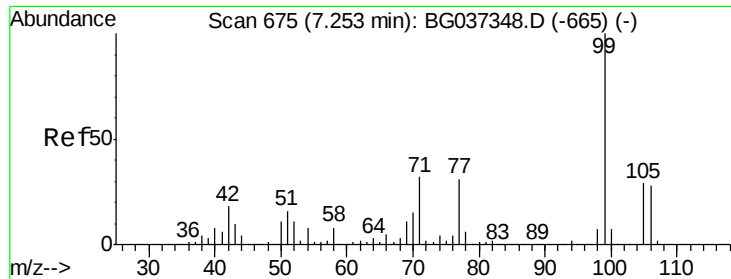
2-Fluorophenol  
Concen: 53.450 ng  
RT: 5.65 min Scan# 402  
Delta R.T. -0.00 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.6  | 53.1  | 79.7  |
| 63      | 31.3  | 27.3  | 40.9  |



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: 30.531 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG037355.D

Acq: 16 Oct 2018 6:17

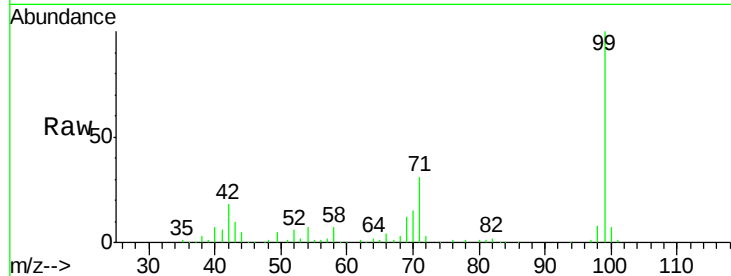
Tgt Ion: 99 Resp: 149232

Ion Ratio Lower Upper

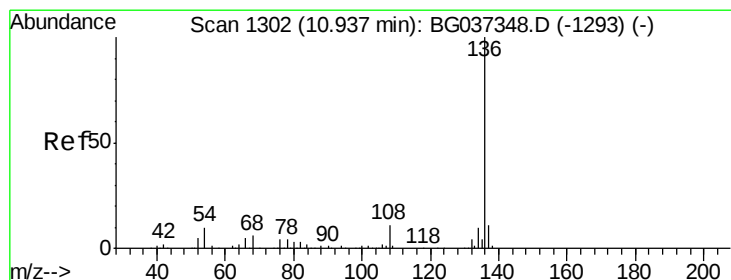
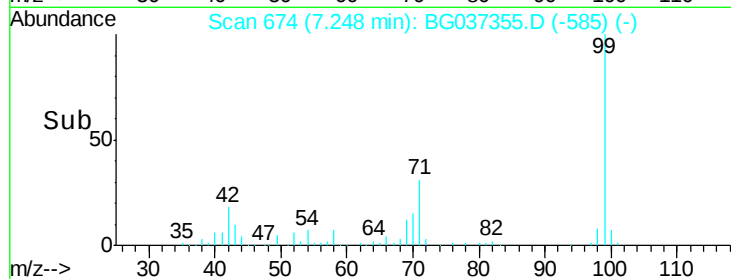
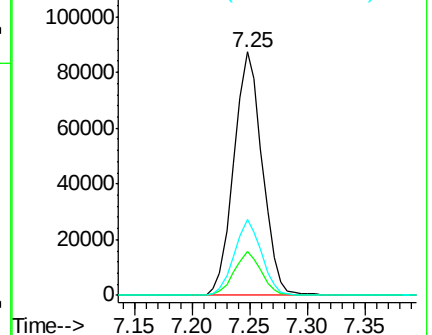
99 100

42 17.8 15.0 22.4

71 31.1 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: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG037355.D

Acq: 16 Oct 2018 6:17

Tgt Ion: 136 Resp: 254987

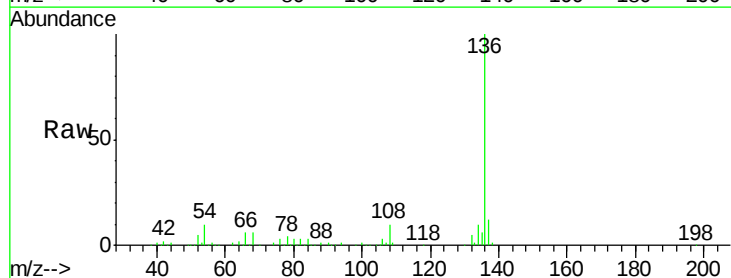
Ion Ratio Lower Upper

136 100

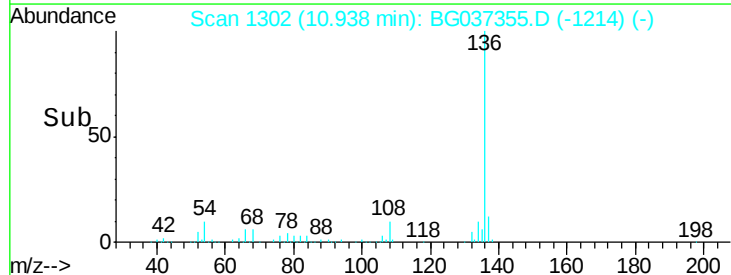
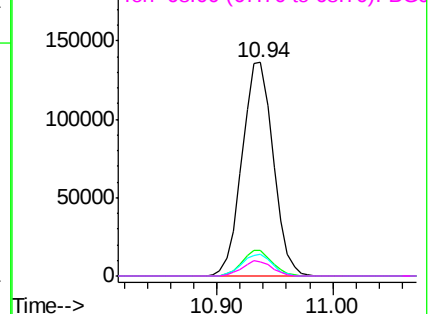
137 11.8 9.6 14.4

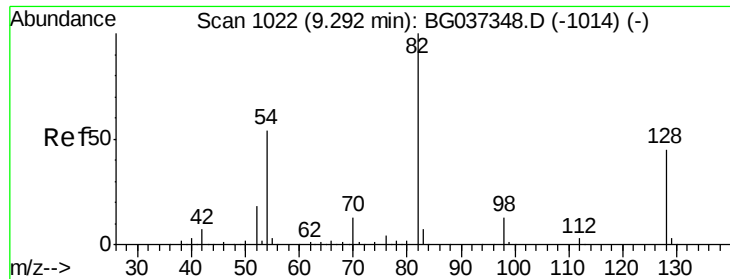
54 10.4 7.9 11.9

68 6.4 4.8 7.2



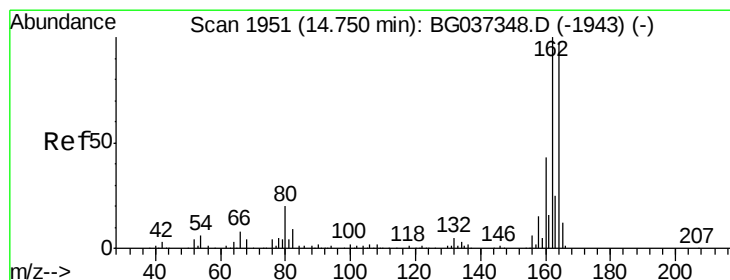
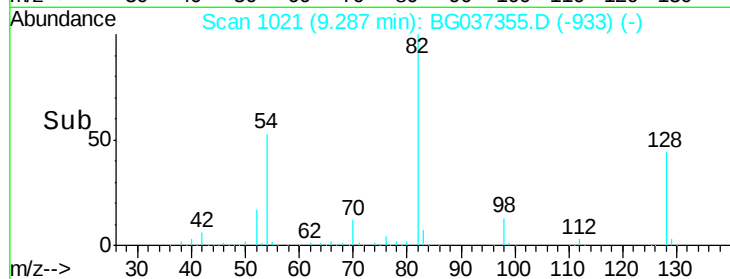
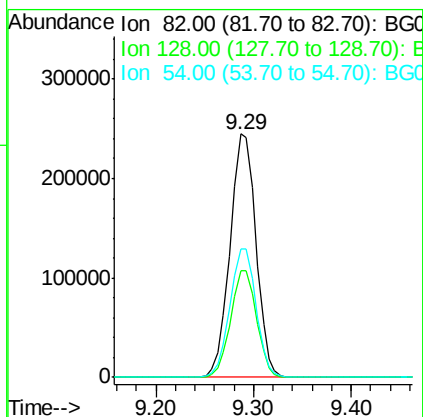
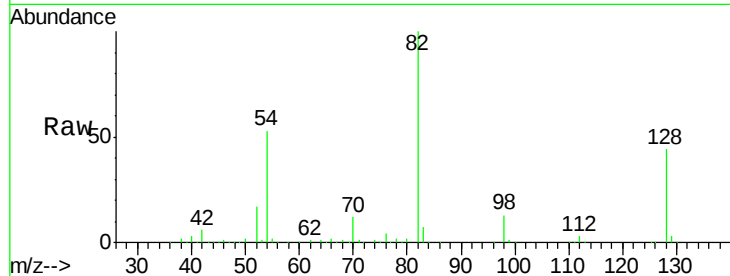
Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





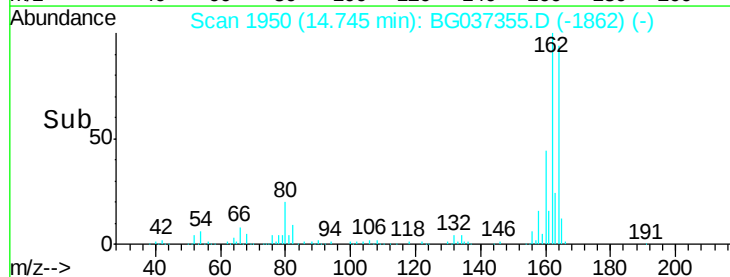
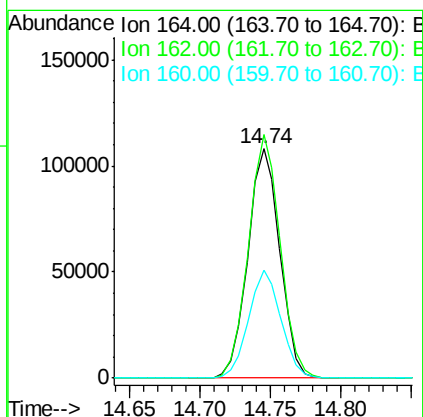
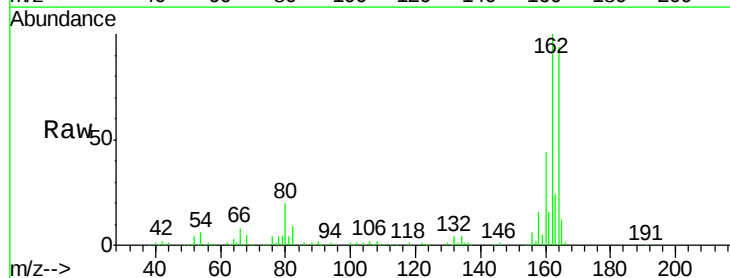
#23  
Nitrobenzene-d5  
Concen: 116.747 ng  
RT: 9.29 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

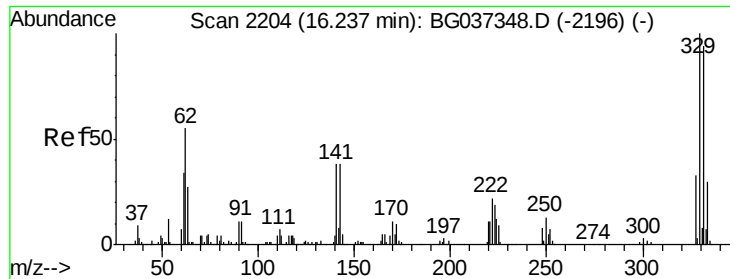
Tgt Ion: 82 Resp: 452795  
Ion Ratio Lower Upper  
82 100  
128 43.9 34.6 51.8  
54 52.8 45.3 67.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.74 min Scan# 1950  
Delta R.T. -0.01 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

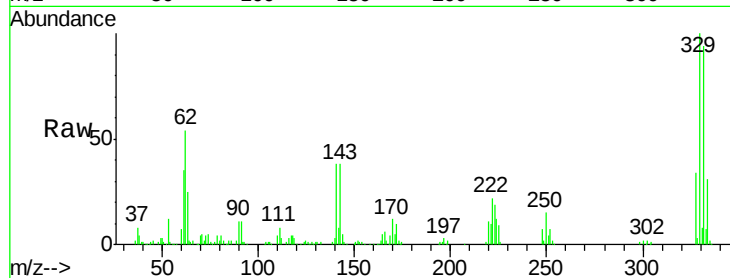
Tgt Ion: 164 Resp: 171444  
Ion Ratio Lower Upper  
164 100  
162 106.3 81.3 121.9  
160 47.0 36.3 54.5



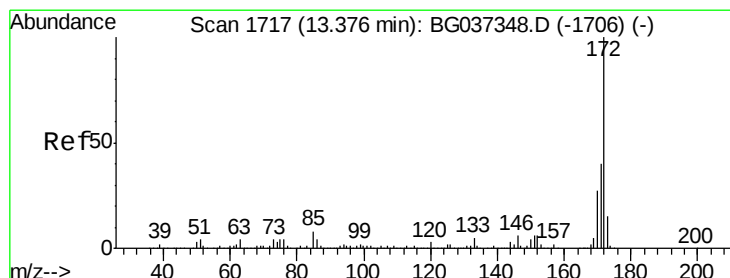
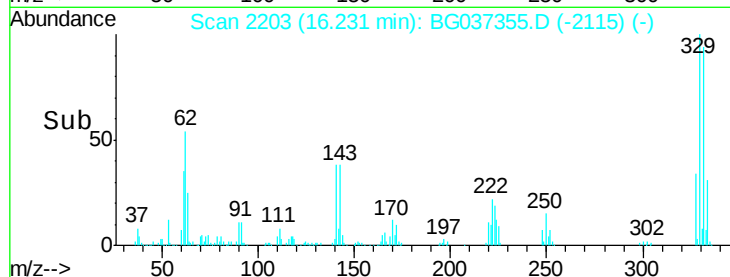
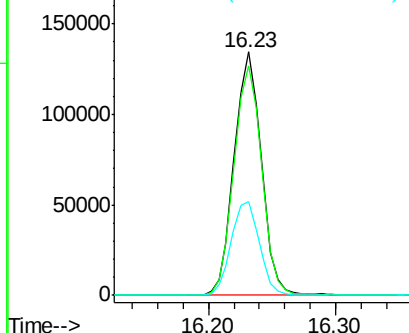


#42  
 2,4,6-Tribromophenol  
 Concen: 119.119 ng  
 RT: 16.23 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG037355.D  
 Acq: 16 Oct 2018 6:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 200285 |       |       |
| 332     | 96.8  |        | 78.4  | 117.6 |
| 141     | 40.1  |        | 32.2  | 48.2  |

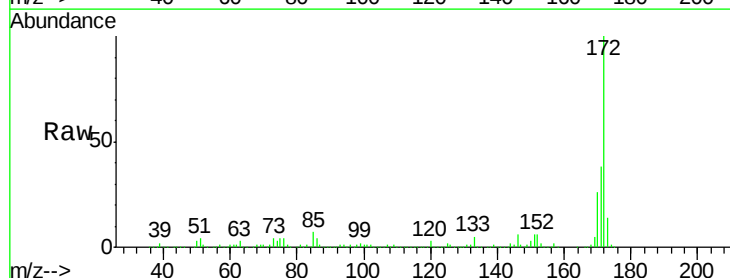


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

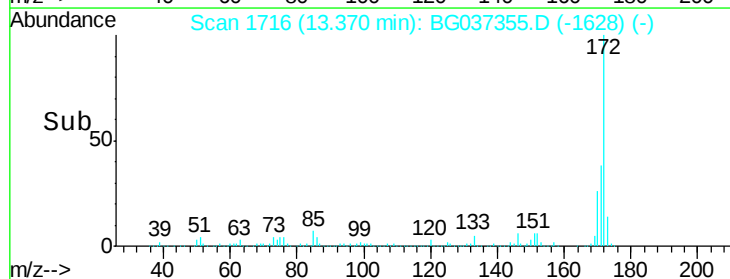
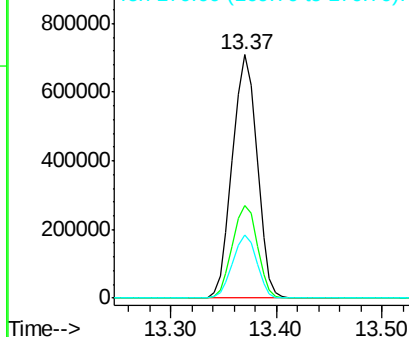


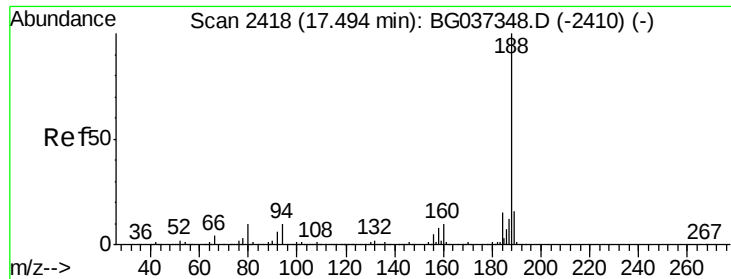
#45  
 2-Fluorobiphenyl  
 Concen: 100.580 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG037355.D  
 Acq: 16 Oct 2018 6:17

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1148240 |       |       |
| 171     | 38.1  |         | 31.0  | 46.4  |
| 170     | 26.0  |         | 20.2  | 30.2  |



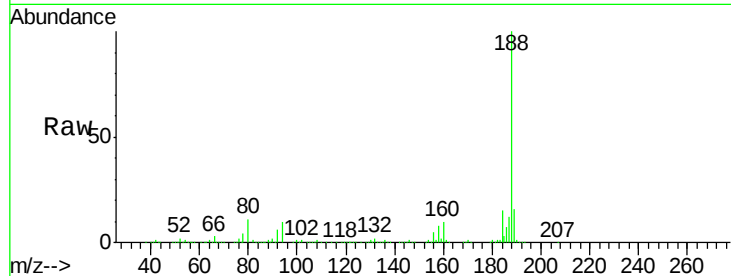
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



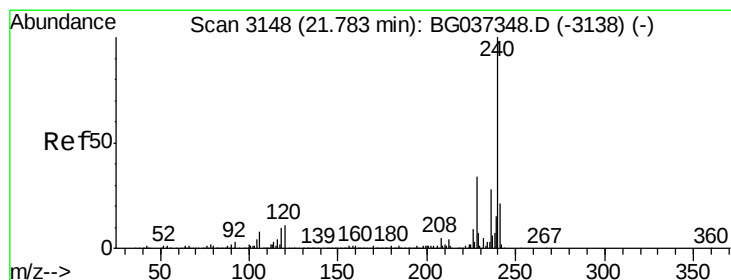
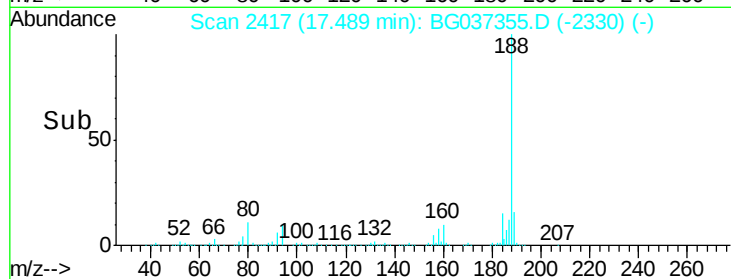
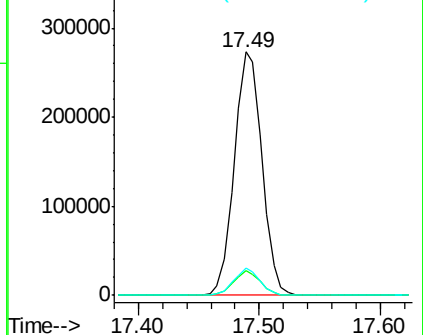


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

Tgt Ion:188 Resp: 436161  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.2 10.8  
80 11.0 7.7 11.5

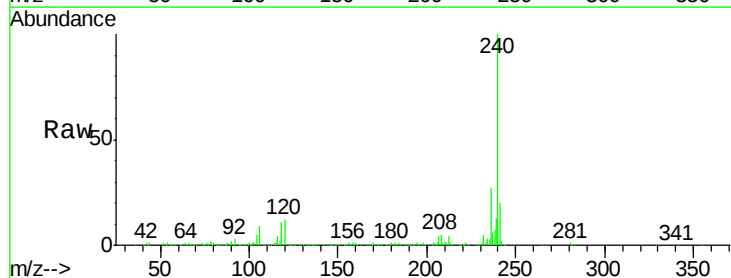


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

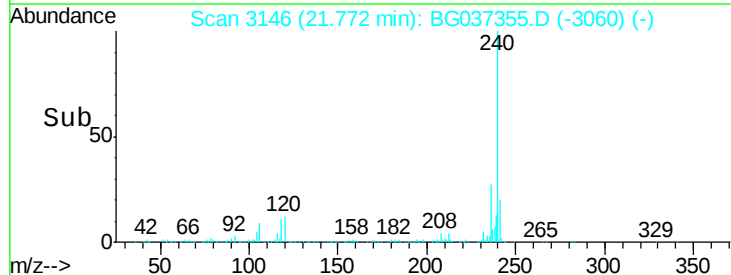
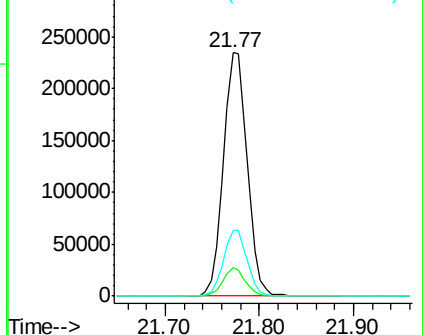


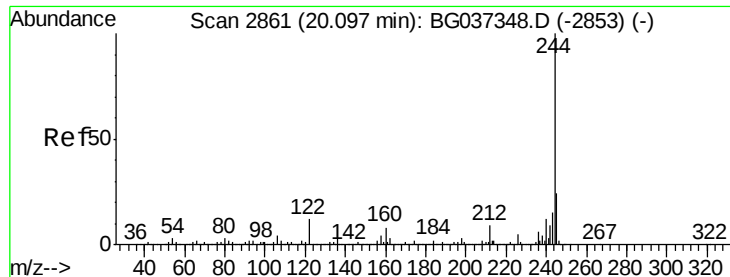
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3146  
Delta R.T. -0.02 min  
Lab File: BG037355.D  
Acq: 16 Oct 2018 6:17

Tgt Ion:240 Resp: 414008  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.1 12.1  
236 27.0 21.4 32.0



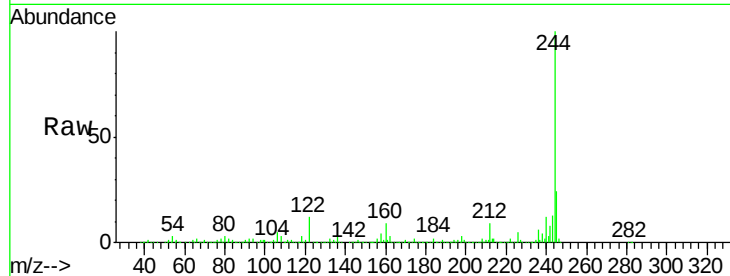
Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



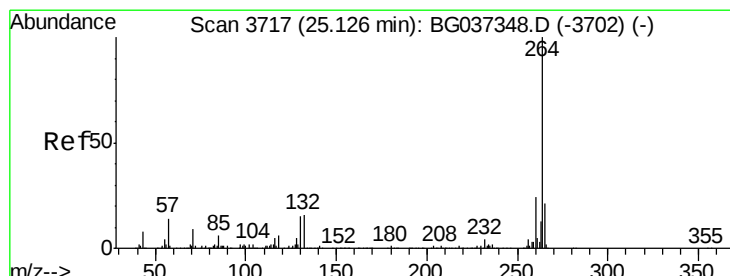
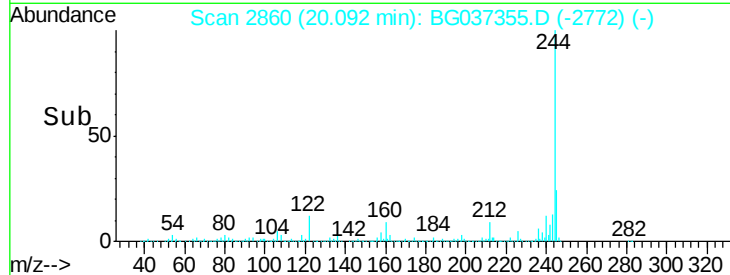
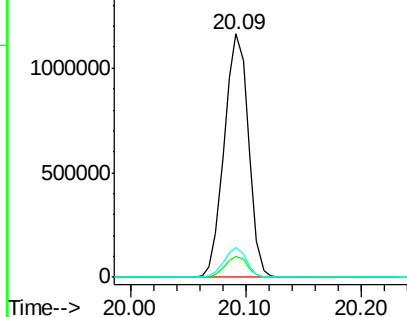


#79  
 Terphenyl-d14  
 Concen: 85.606 ng  
 RT: 20.09 min Scan# 2860  
 Delta R.T. -0.01 min  
 Lab File: BG037355.D  
 Acq: 16 Oct 2018 6:17

Tgt Ion:244 Resp: 1687891  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 6.5 9.7  
 122 12.4 9.0 13.4

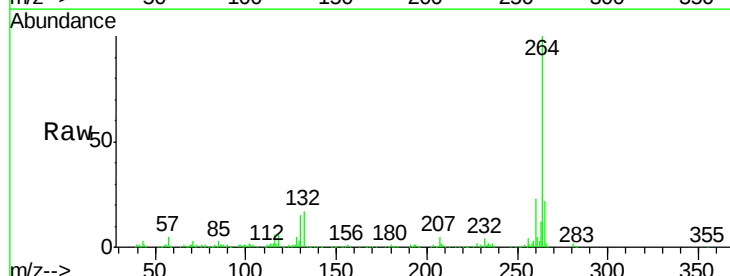


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.12 min Scan# 3715  
 Delta R.T. -0.03 min  
 Lab File: BG037355.D  
 Acq: 16 Oct 2018 6:17

Tgt Ion:264 Resp: 412043  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.2 27.4  
 265 22.1 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

