

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062917\  
 Data File : BG027748.D  
 Acq On : 29 Jun 2017 19:53  
 Operator : SJ/JU  
 Sample : I3938-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-1

Quant Time: Jun 30 05:35:38 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.48  | 152  | 26810    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.29 | 136  | 135072   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.06 | 164  | 84294    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.81 | 188  | 220576   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.17 | 240  | 236620   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.78 | 264  | 230658   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.06  | 112  | 63688    | 36.58  | ng    | 0.00     |
| 7) Phenol-d6                | 7.62  | 99   | 62392    | 23.46  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 229634   | 94.76  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.55 | 330  | 97135    | 84.01  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.68 | 172  | 586012   | 99.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.39 | 244  | 1055224  | 104.55 | ng    | 0.00     |

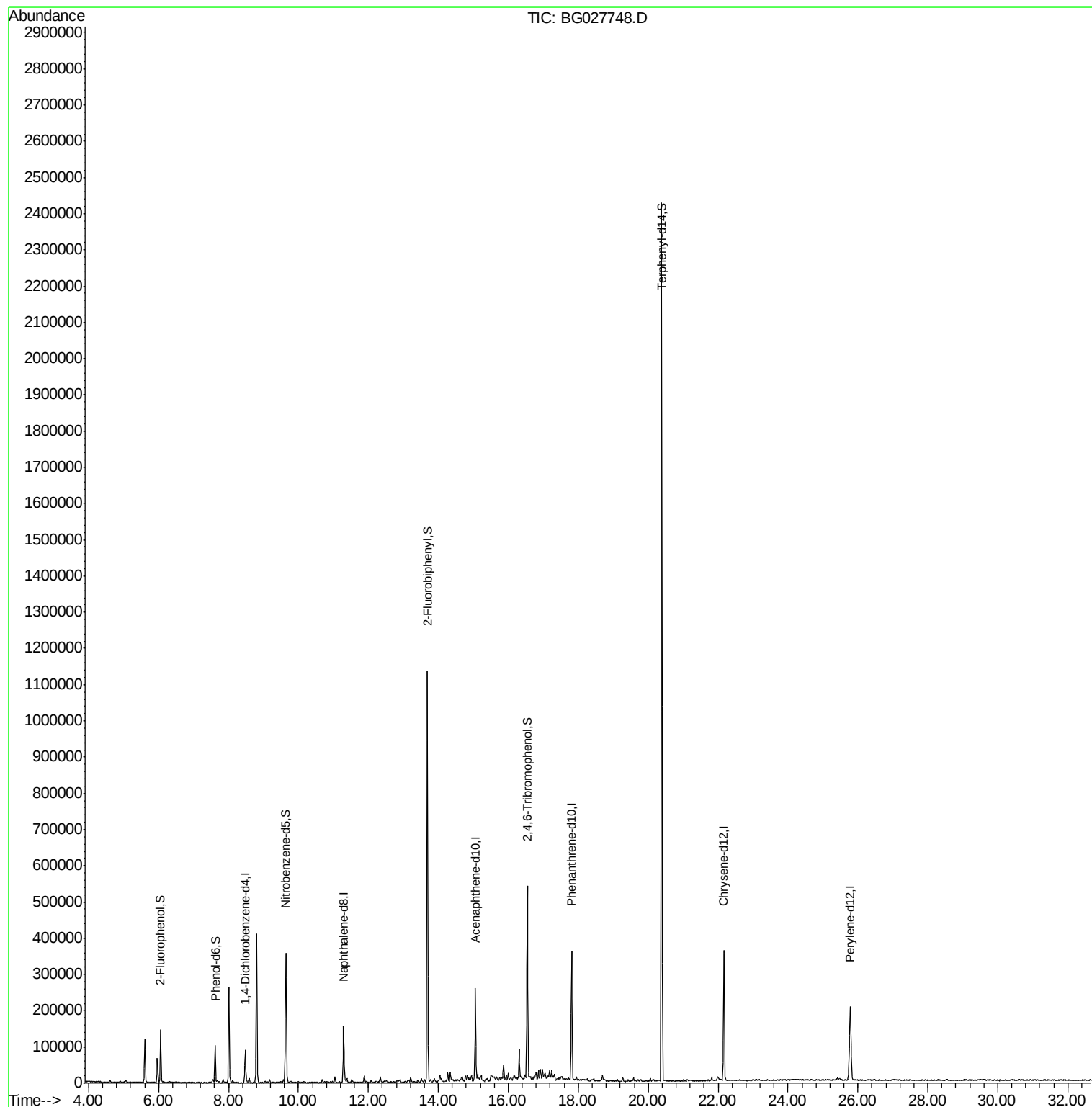
Target Compounds Qvalue

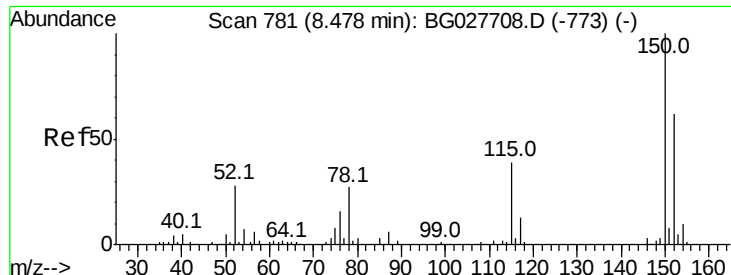
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



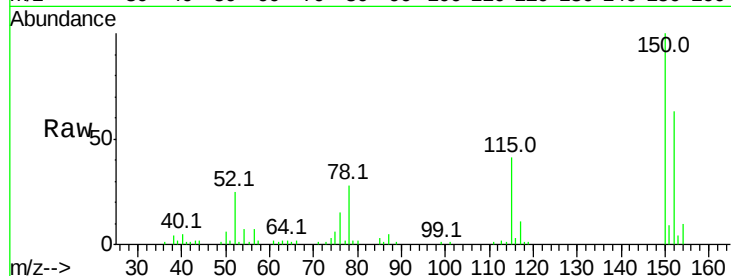


#1

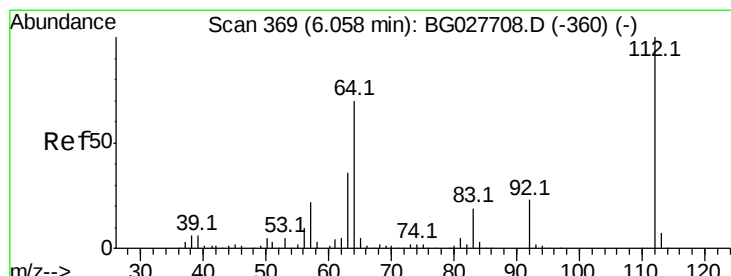
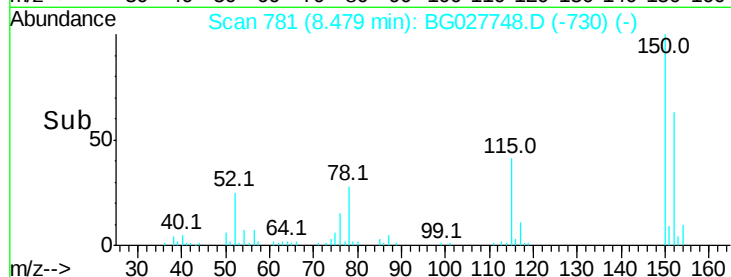
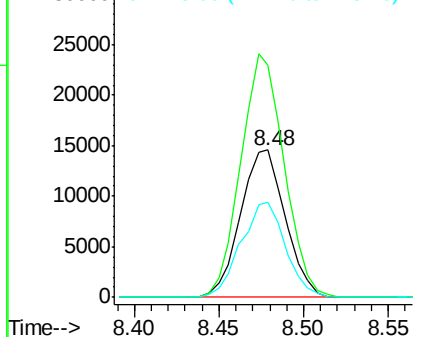
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.48 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

Instrument :  
BNA\_G  
ClientSampleId :  
TW-1

Tot Ion:152 Resp: 26810  
Ion Ratio Lower Upper  
152 100  
150 158.2 114.0 171.0  
115 64.3 48.1 72.1



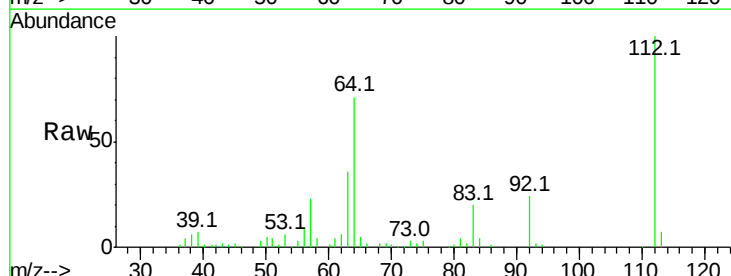
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



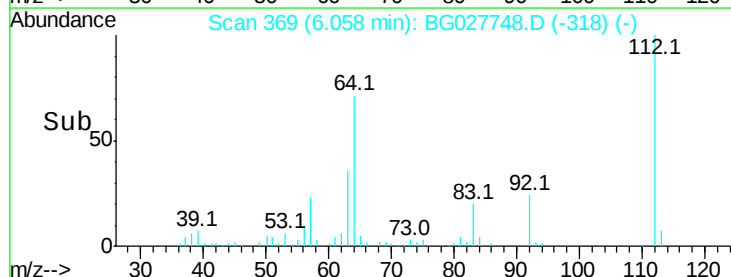
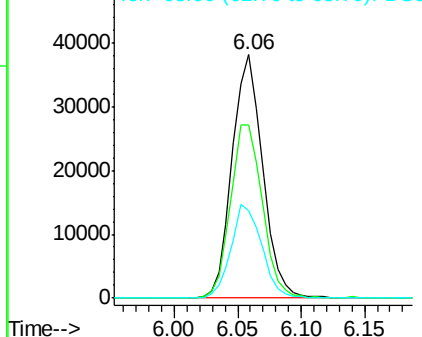
#5

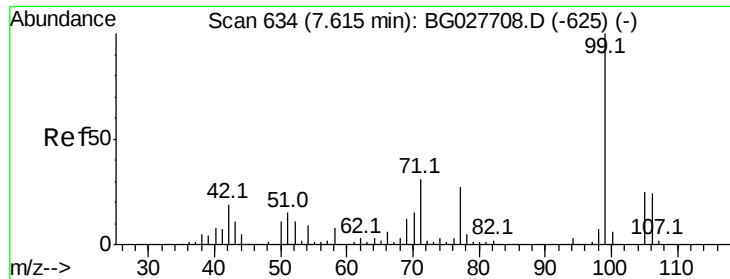
2-Fluorophenol  
Concen: 36.58 ng  
RT: 6.06 min Scan# 369  
Delta R.T. 0.00 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

Tgt Ion:112 Resp: 63688  
Ion Ratio Lower Upper  
112 100  
64 71.0 61.8 92.6  
63 35.9 37.2 55.8#



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: 23.46 ng

RT: 7.62 min Scan# 634

Delta R.T. 0.00 min

Lab File: BG027748.D

Acq: 29 Jun 2017 19:53

Instrument :

BNA\_G

ClientSampleId :

TW-1

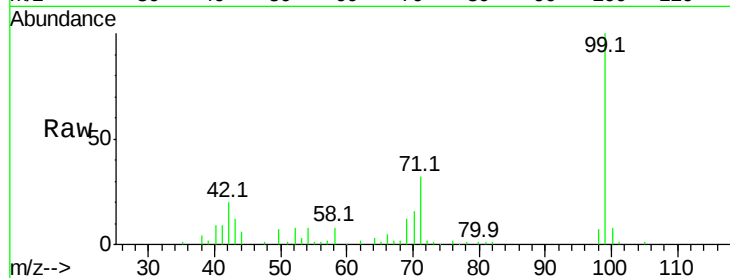
Tot Ion: 99 Resp: 62392

Ion Ratio Lower Upper

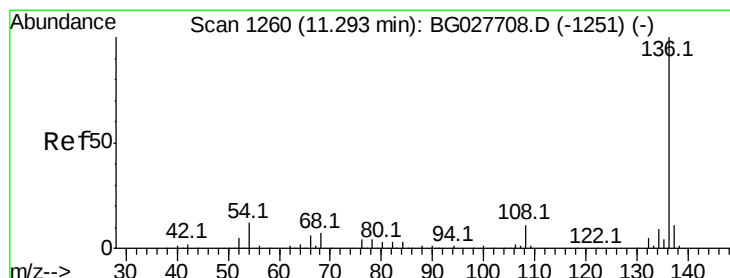
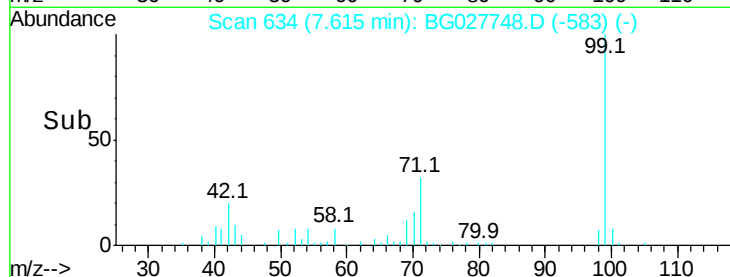
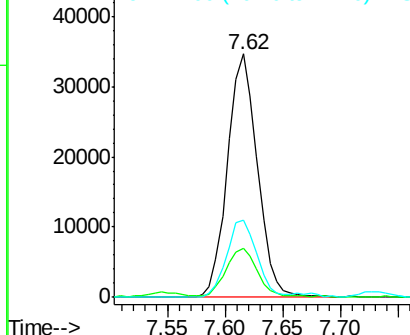
99 100

42 20.3 20.5 30.7#

71 31.5 37.6 56.4#



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: 20.00 ng

RT: 11.29 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BG027748.D

Acq: 29 Jun 2017 19:53

Tgt Ion: 136 Resp: 135072

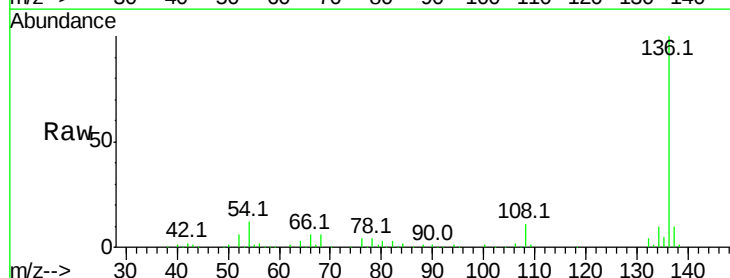
Ion Ratio Lower Upper

136 100

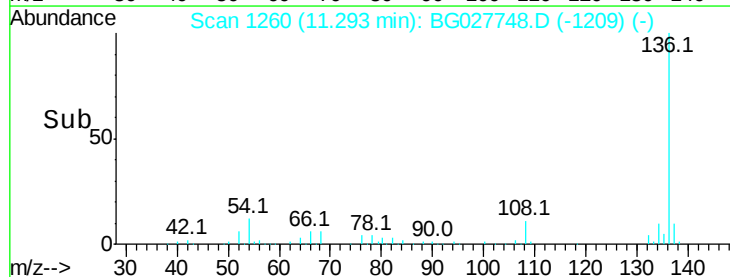
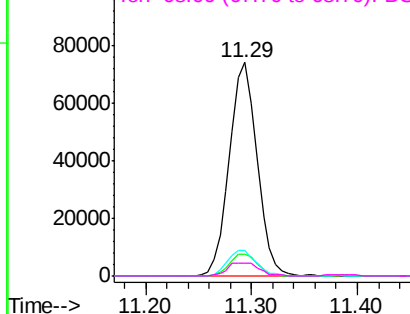
137 10.1 8.9 13.3

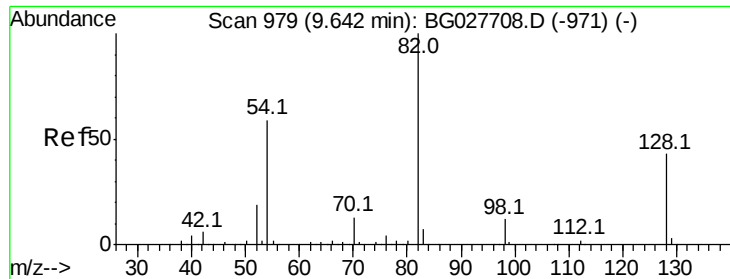
54 11.8 9.3 13.9

68 6.0 5.1 7.7



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

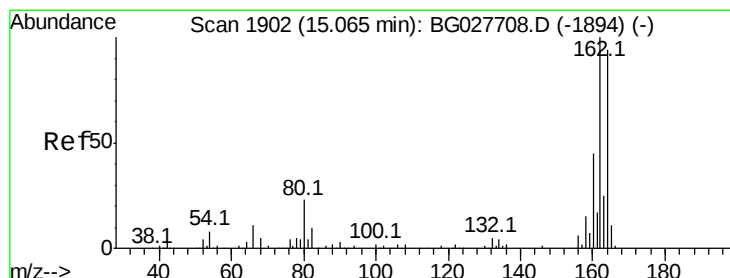
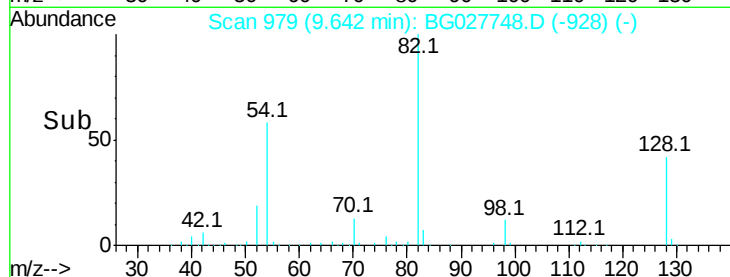
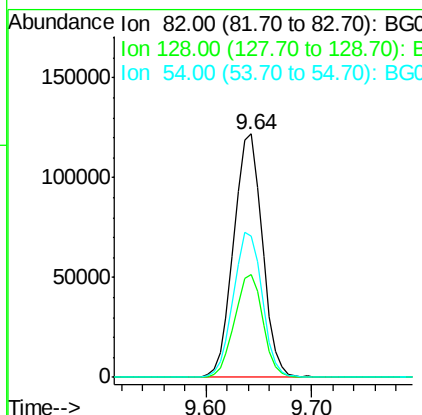
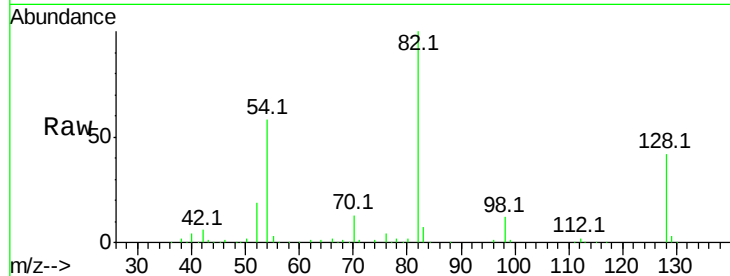




#23  
Nitrobenzene-d5  
Concen: 94.76 ng  
RT: 9.64 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

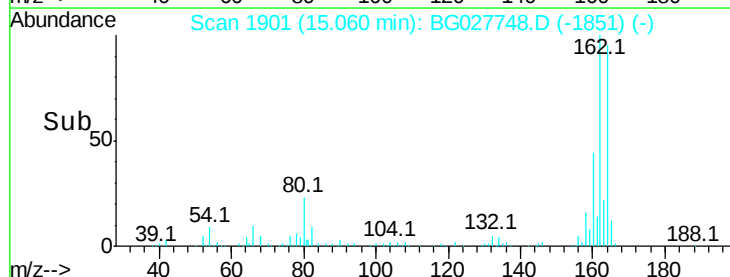
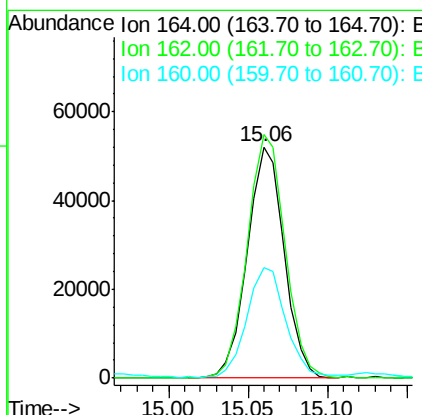
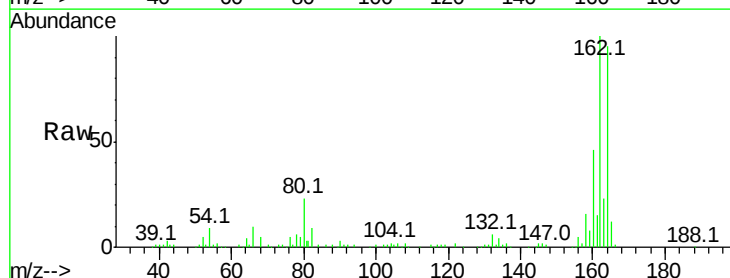
Instrument :  
BNA\_G  
ClientSampleID :  
TW-1

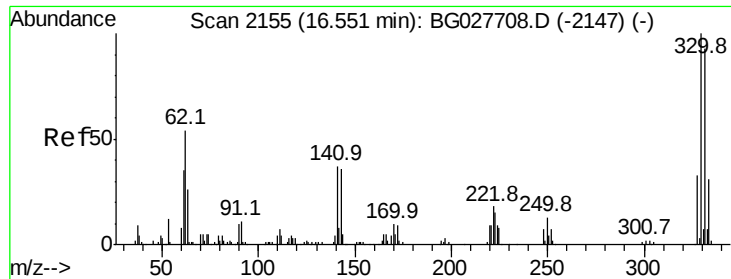
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.2  | 26.4  | 39.6  |
| 54      | 58.3  | 49.4  | 74.2  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.06 min Scan# 1901  
Delta R.T. -0.01 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.2 | 85.1  | 127.7 |
| 160     | 48.0  | 34.7  | 52.1  |

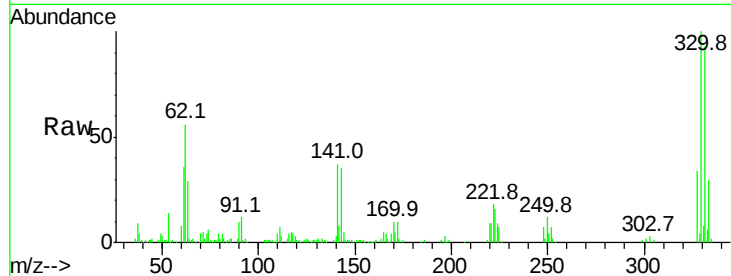




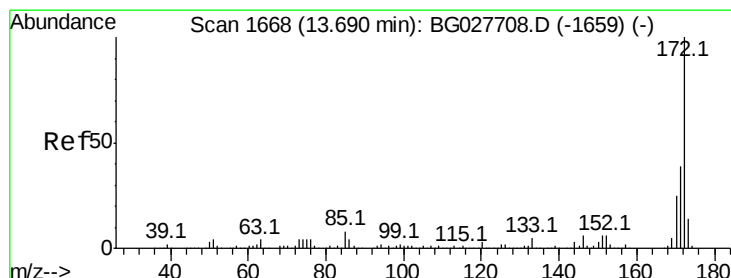
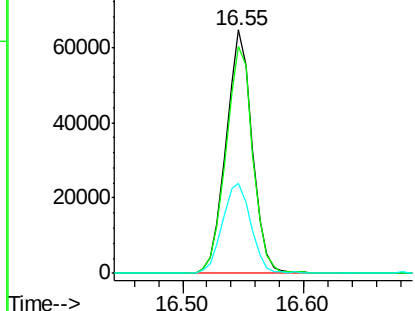
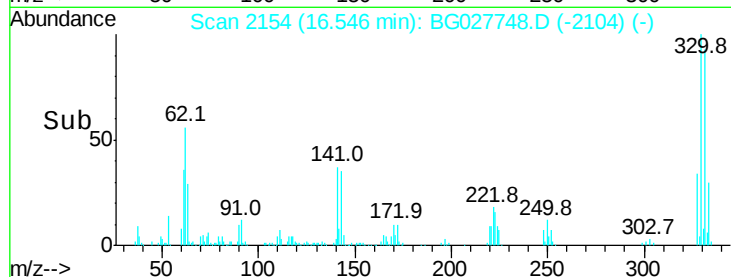
#41  
 2,4,6-Tribromophenol  
 Concen: 84.01 ng  
 RT: 16.55 min Scan# 2154  
 Delta R.T. -0.01 min  
 Lab File: BG027748.D  
 Acq: 29 Jun 2017 19:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.3  | 115.9 |
| 141     | 40.0  | 32.1  | 48.1  |

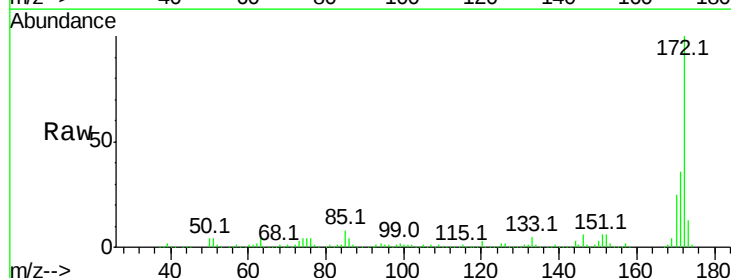


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

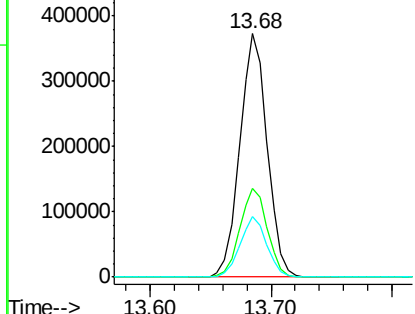
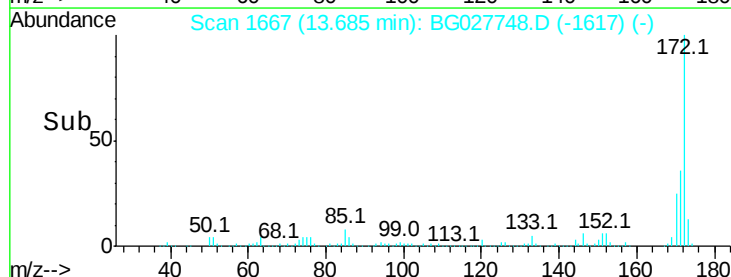


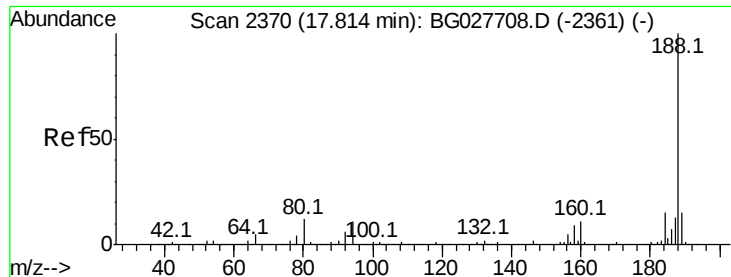
#44  
 2-Fluorobiphenyl  
 Concen: 99.29 ng  
 RT: 13.68 min Scan# 1667  
 Delta R.T. -0.01 min  
 Lab File: BG027748.D  
 Acq: 29 Jun 2017 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 32.2  | 48.2  |
| 170     | 24.7  | 21.8  | 32.6  |



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

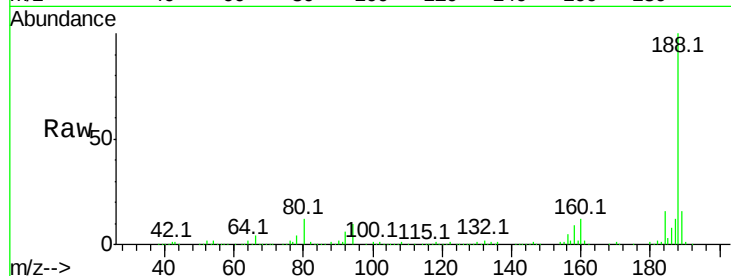




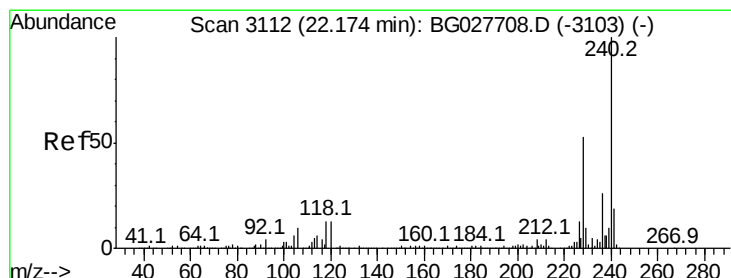
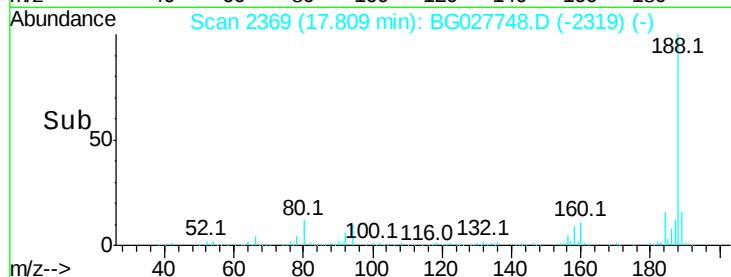
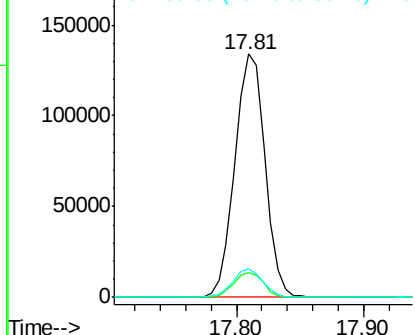
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.81 min Scan# 2369  
Delta R.T. -0.01 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

Instrument :  
BNA\_G  
ClientSampleId :  
TW-1

Tot Ion:188 Resp: 220576  
Ion Ratio Lower Upper  
188 100  
94 10.2 5.8 8.8#  
80 11.7 7.5 11.3#

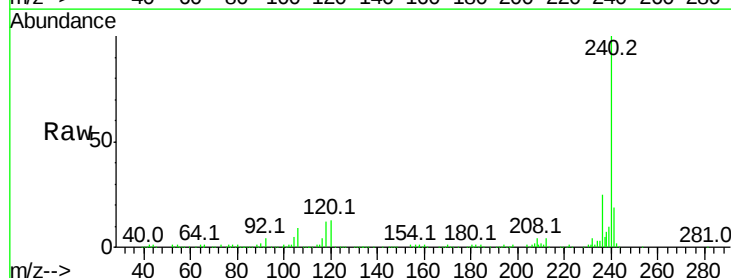


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

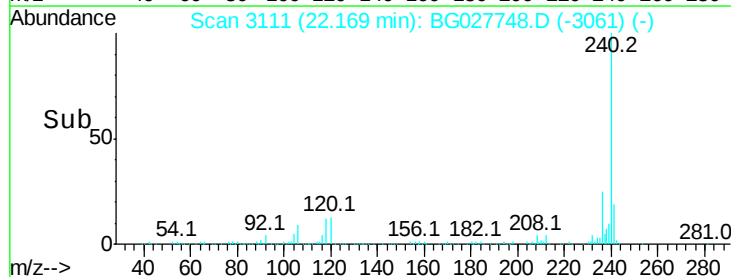
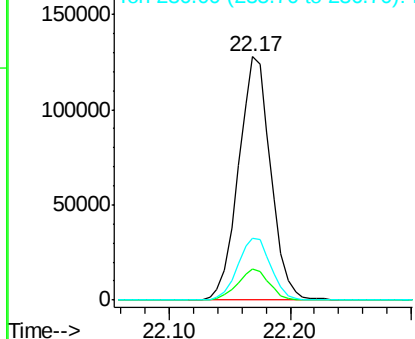


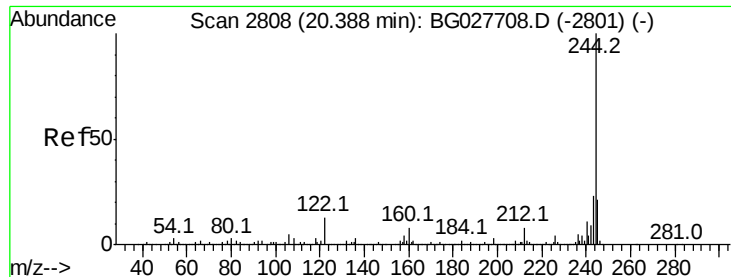
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.17 min Scan# 3111  
Delta R.T. -0.01 min  
Lab File: BG027748.D  
Acq: 29 Jun 2017 19:53

Tgt Ion:240 Resp: 236620  
Ion Ratio Lower Upper  
240 100  
120 12.7 5.7 8.5#  
236 25.3 22.2 33.4



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





#78

Terphenyl-d14

Concen: 104.55 ng

RT: 20.39 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BG027748.D

Acq: 29 Jun 2017 19:53

Instrument :

BNA\_G

ClientSampled :

TW-1

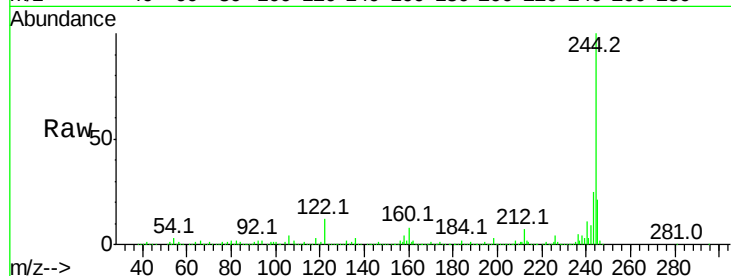
Tot Ion:244 Resp: 1055224

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

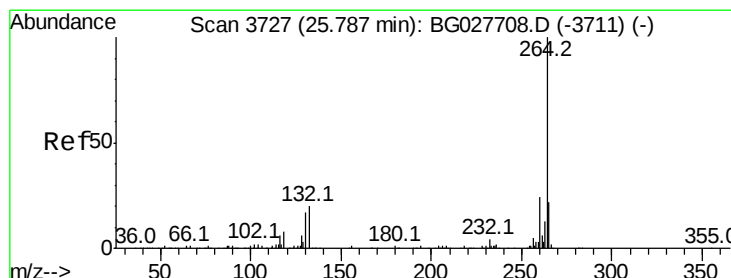
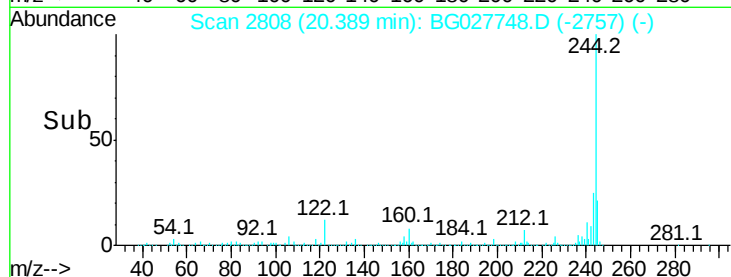
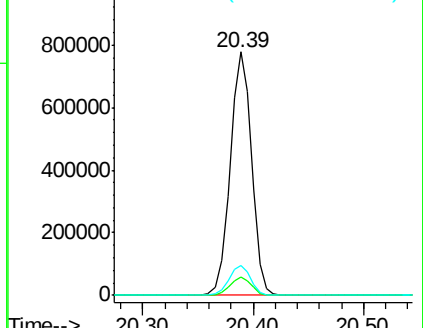
122 12.5 8.6 12.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.78 min Scan# 3726

Delta R.T. -0.01 min

Lab File: BG027748.D

Acq: 29 Jun 2017 19:53

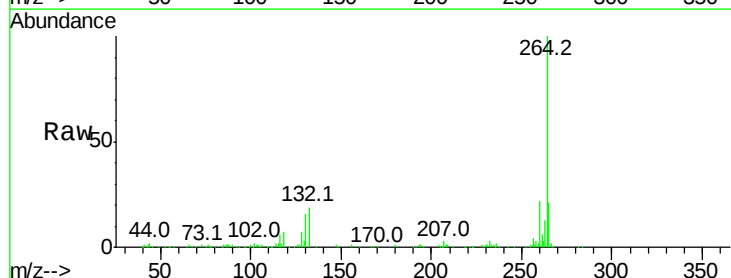
Tgt Ion:264 Resp: 230658

Ion Ratio Lower Upper

264 100

260 22.3 21.8 32.8

265 20.9 18.2 27.4



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

