

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042419\  
 Data File : BG040601.D  
 Acq On : 24 Apr 2019 19:49  
 Operator : JU/SJ  
 Sample : PB119187BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB119187BL

Quant Time: Apr 25 04:25:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 46750    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 181294   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.79 | 164  | 130491   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.53 | 188  | 339793   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.82 | 240  | 395064   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.19 | 264  | 413315   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 346390   | 130.61 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 510051   | 124.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 337331   | 85.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 180753   | 100.78 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 721914   | 79.90  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.13 | 244  | 1552741  | 87.07  | ng    | 0.00     |

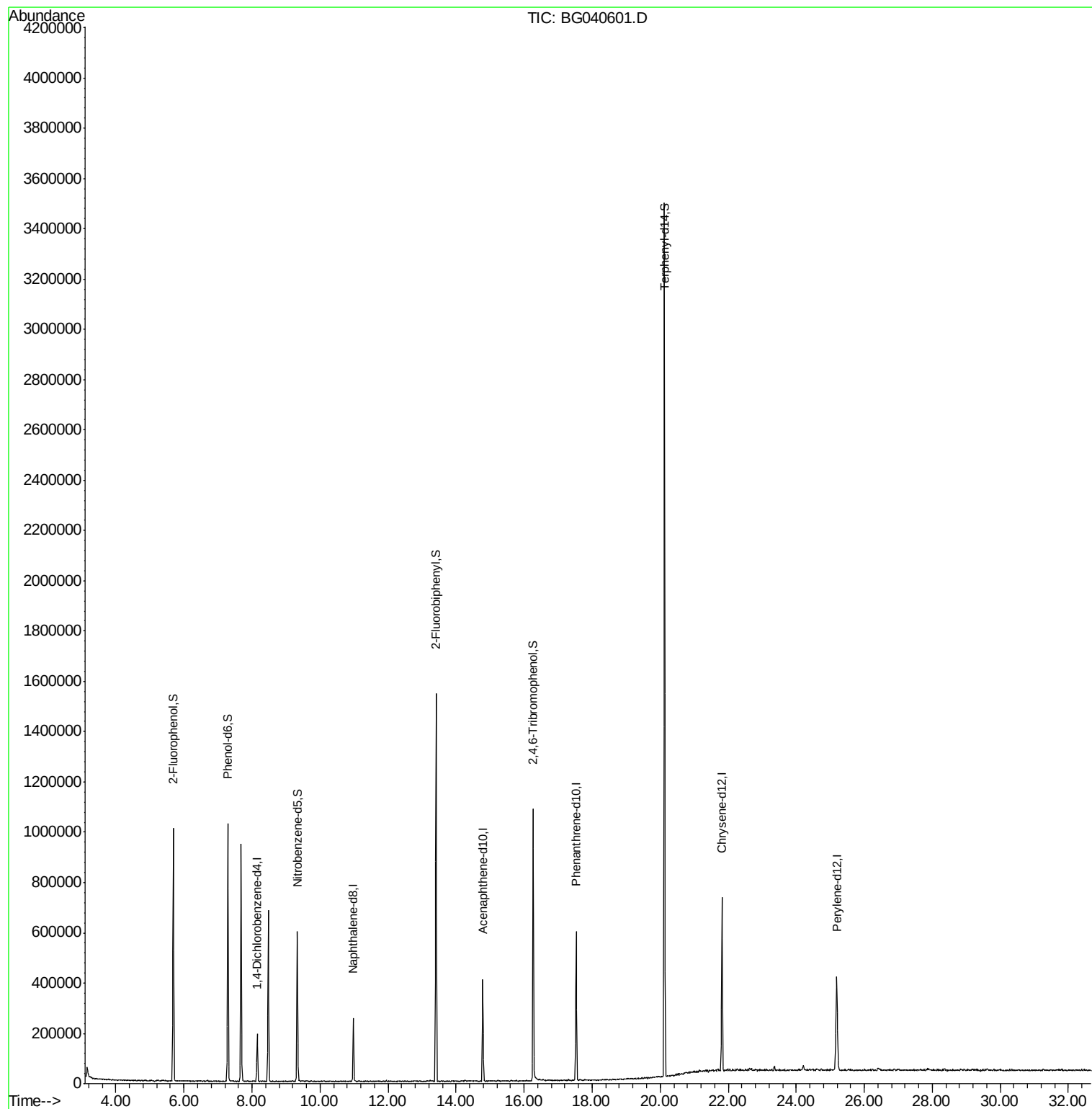
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

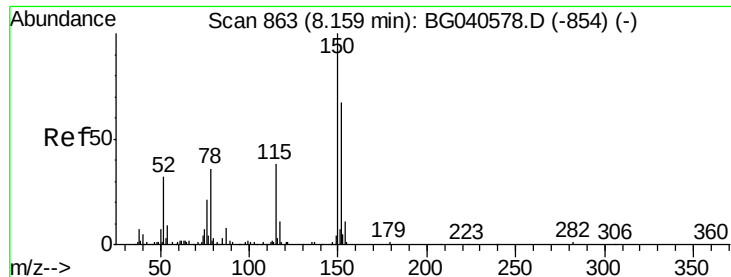
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



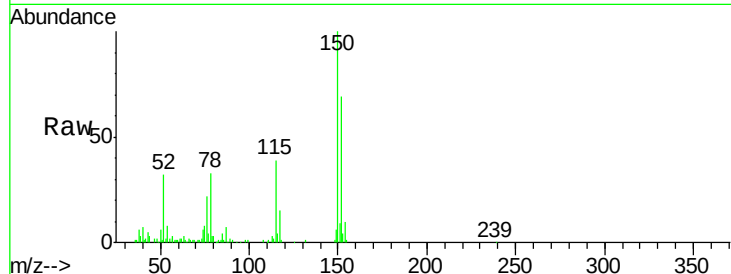


#1

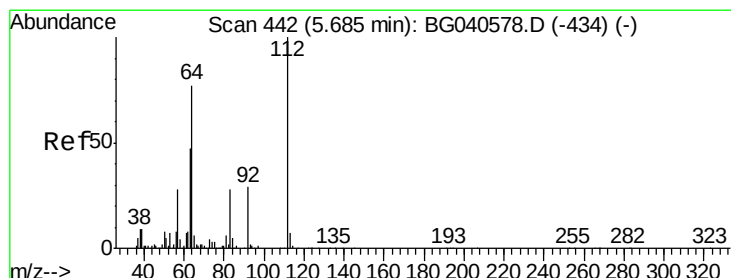
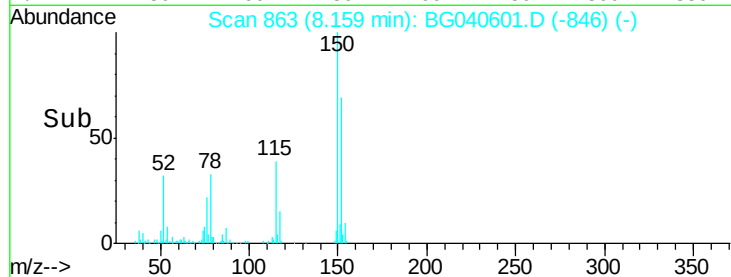
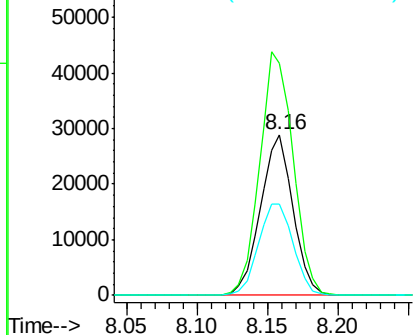
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: BG040601.D  
Acq: 24 Apr 2019 19:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB119187BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.2 | 120.2 | 180.2 |
| 115     | 56.6  | 46.2  | 69.2  |



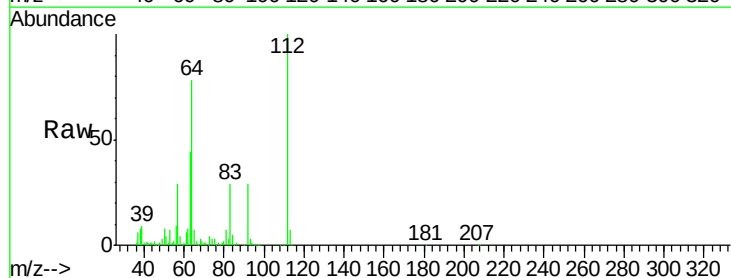
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



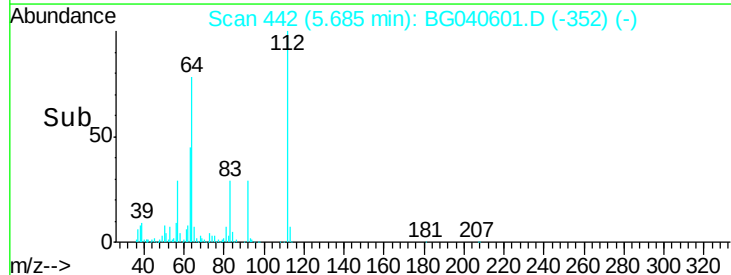
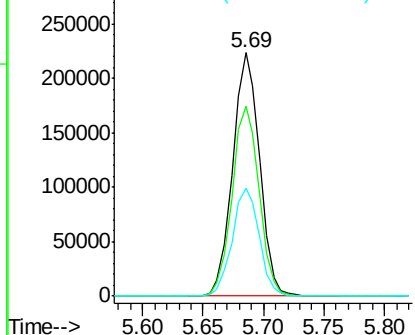
#5

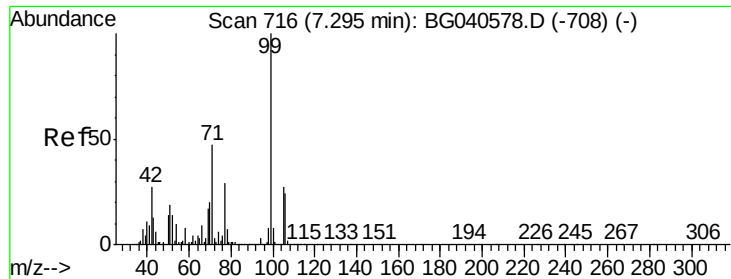
2-Fluorophenol  
Concen: 130.611 ng  
RT: 5.69 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BG040601.D  
Acq: 24 Apr 2019 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 77.8  | 61.4  | 92.0  |
| 63      | 44.5  | 37.8  | 56.6  |



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: 124.907 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

Instrument :

BNA\_G

ClientSampleId :

PB119187BL

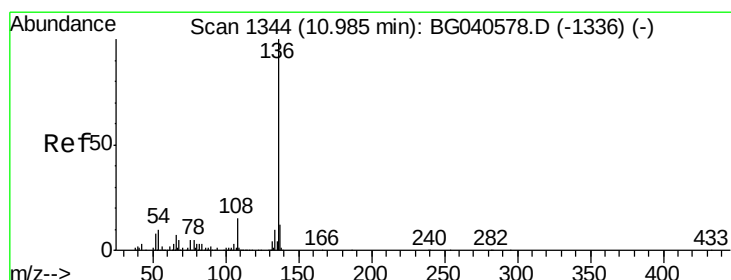
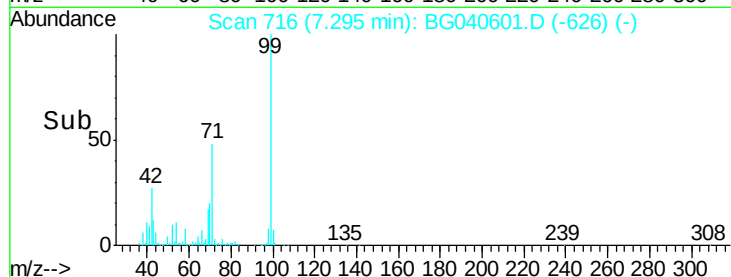
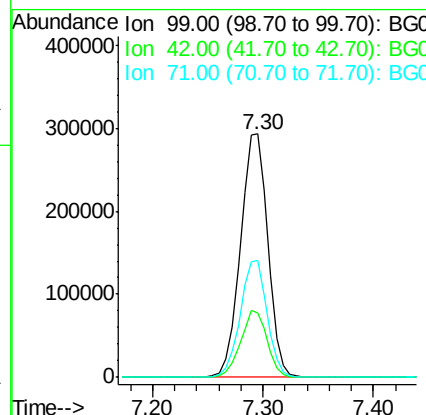
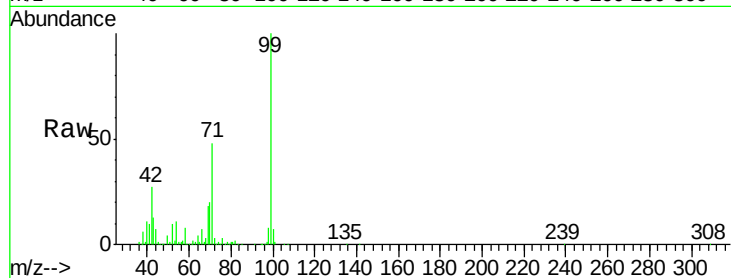
Tgt Ion: 99 Resp: 510051

Ion Ratio Lower Upper

99 100

42 26.6 21.8 32.8

71 48.2 38.6 57.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

Tgt Ion: 136 Resp: 181294

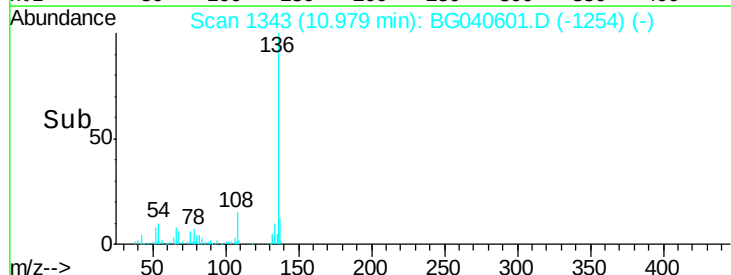
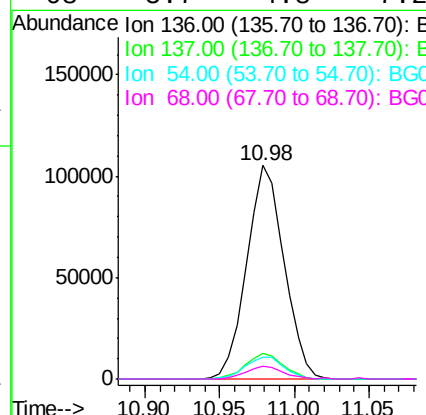
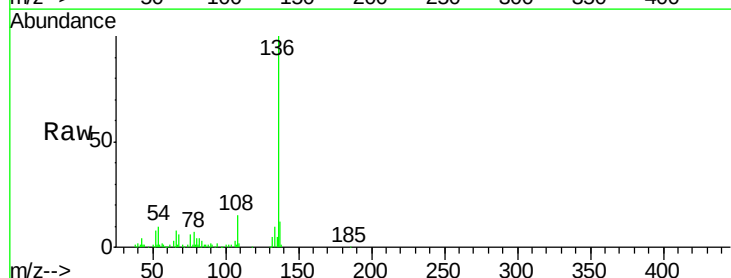
Ion Ratio Lower Upper

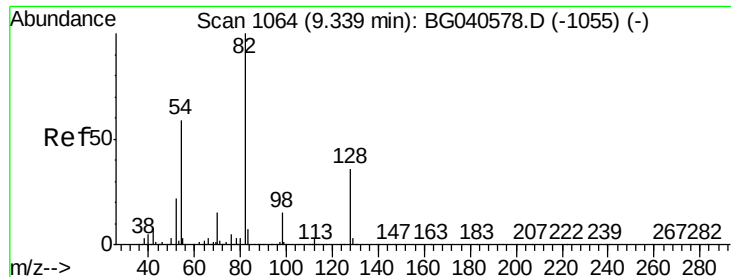
136 100

137 11.9 9.7 14.5

54 10.5 8.6 12.8

68 5.7 4.8 7.2





#23

Nitrobenzene-d5

Concen: 85.975 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

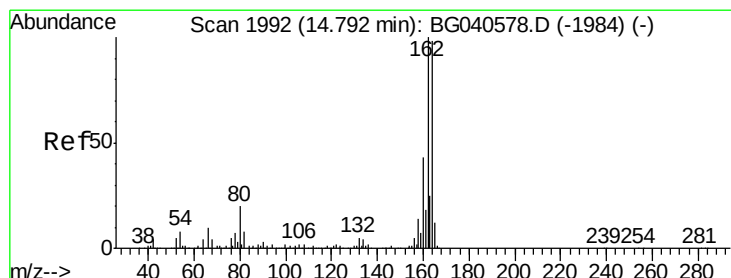
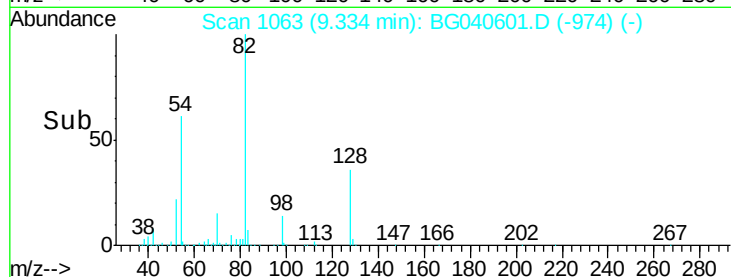
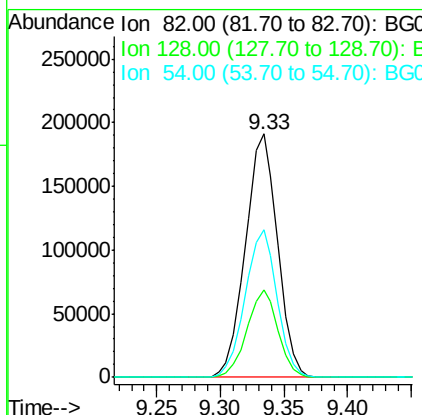
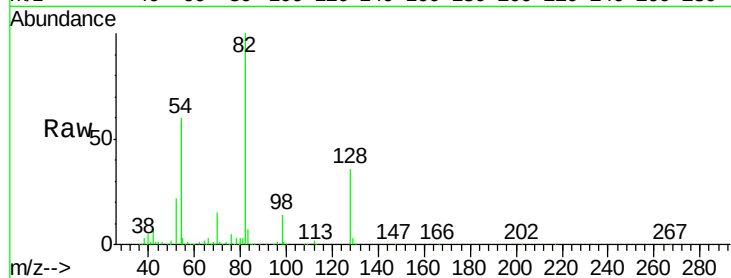
Instrument :

BNA\_G

ClientSampleId :

PB119187BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 337331 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.7  | 28.9  | 43.3   |
| 54       | 60.5  | 47.2  | 70.8   |



#39

Acenaphthene-d10

Concen: 20.000 ng

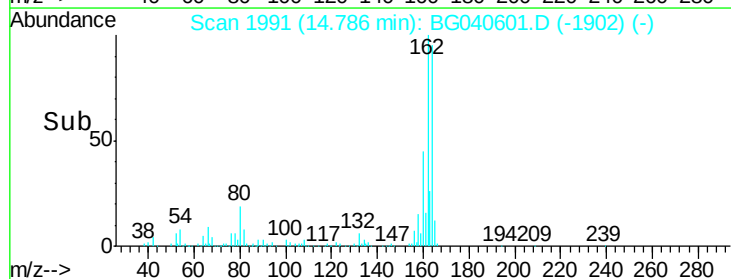
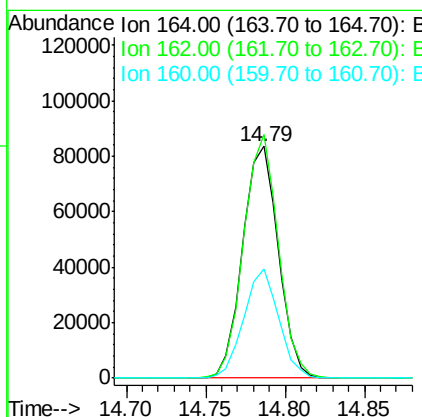
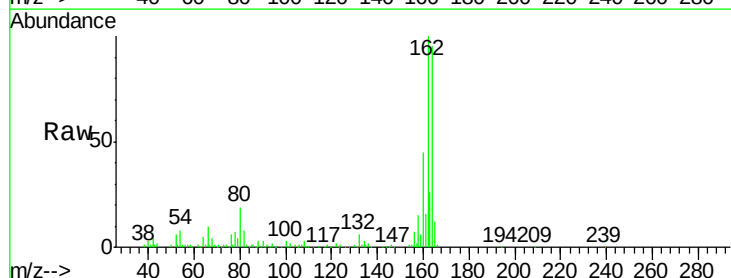
RT: 14.79 min Scan# 1991

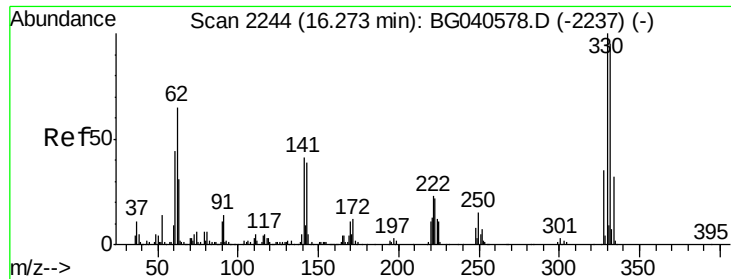
Delta R.T. -0.01 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 130491 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 105.0 | 81.9  | 122.9  |
| 160      | 46.9  | 35.4  | 53.2   |

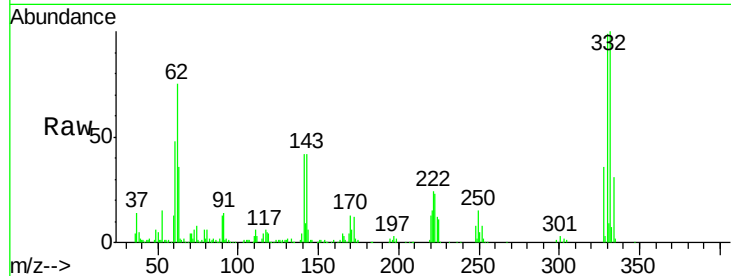




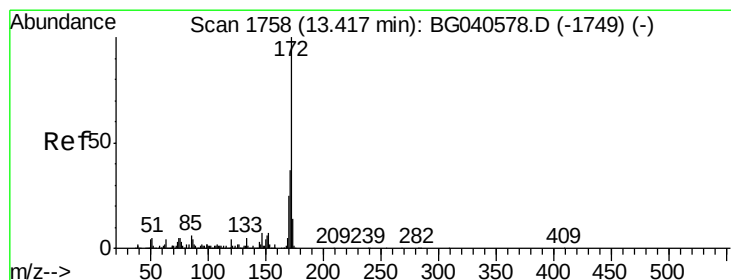
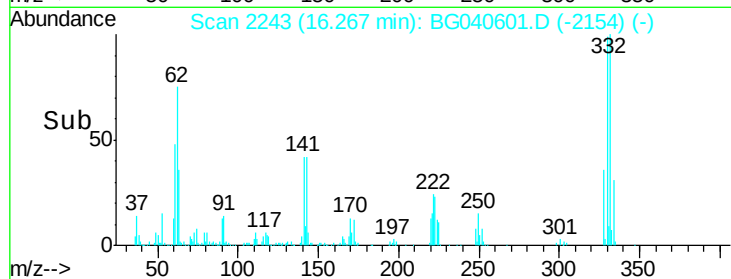
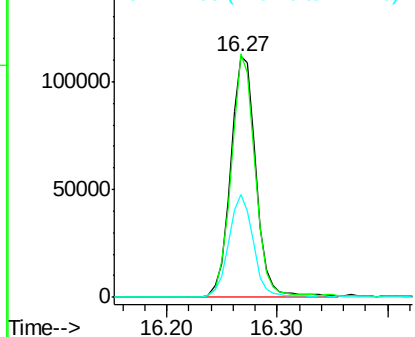
#42  
 2,4,6-Tribromophenol  
 Concen: 100.775 ng  
 RT: 16.27 min Scan# 2243  
 Delta R.T. -0.01 min  
 Lab File: BG040601.D  
 Acq: 24 Apr 2019 19:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB119187BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 75.9  | 113.9 |
| 141     | 40.9  | 32.4  | 48.6  |

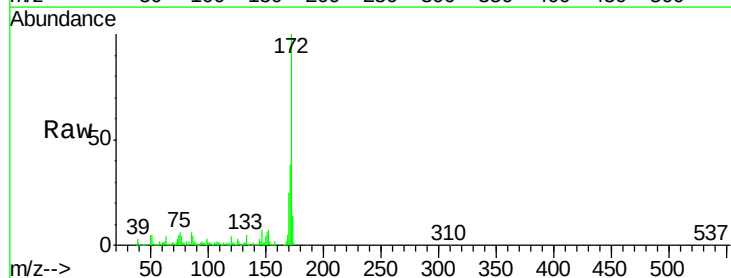


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

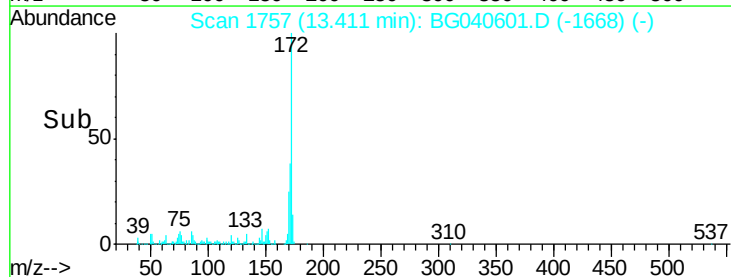
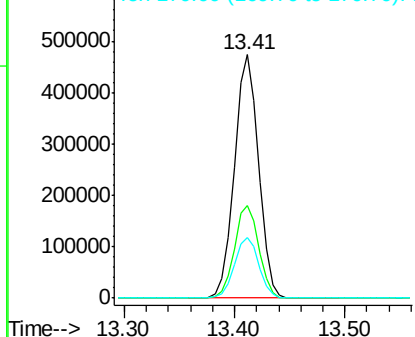


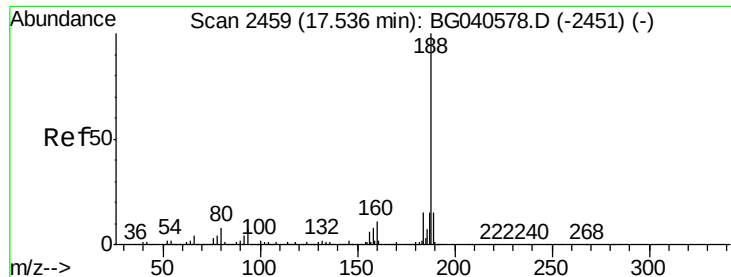
#45  
 2-Fluorobiphenyl  
 Concen: 79.897 ng  
 RT: 13.41 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BG040601.D  
 Acq: 24 Apr 2019 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.3  | 29.4  | 44.2  |
| 170     | 25.1  | 19.9  | 29.9  |



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

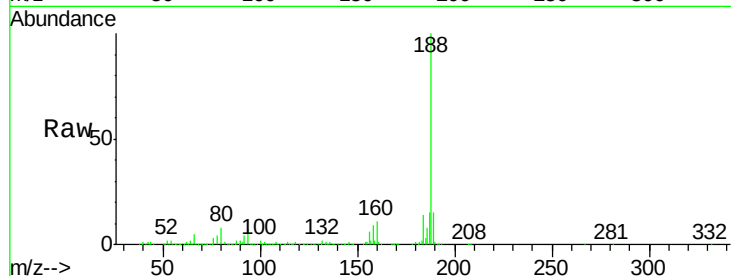




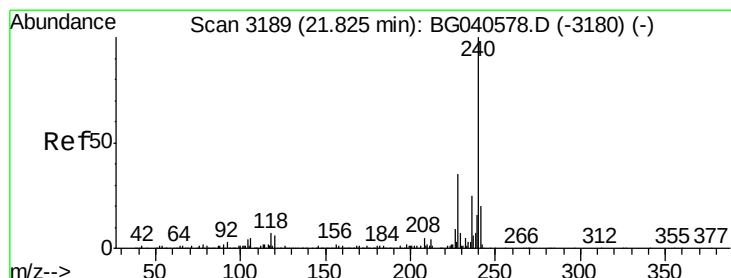
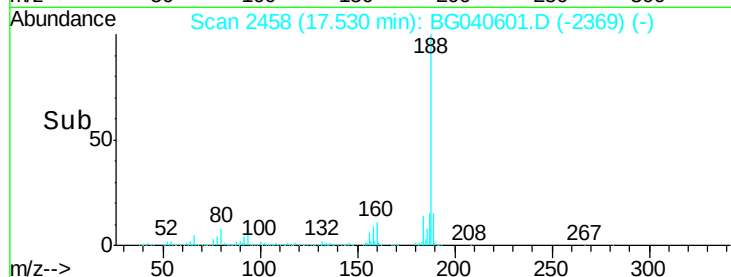
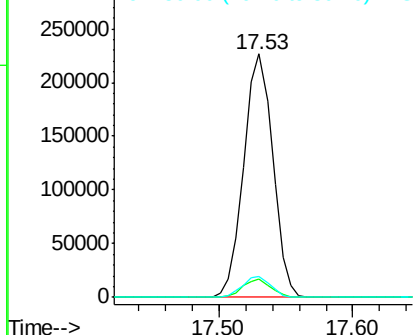
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.53 min Scan# 2458  
Delta R.T. -0.01 min  
Lab File: BG040601.D  
Acq: 24 Apr 2019 19:49

Instrument :  
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ClientSampleId :  
PB119187BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.4   | 5.6   | 8.4   |
| 80      | 8.4   | 6.4   | 9.6   |

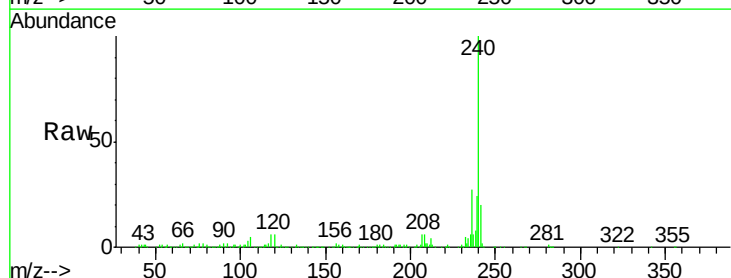


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

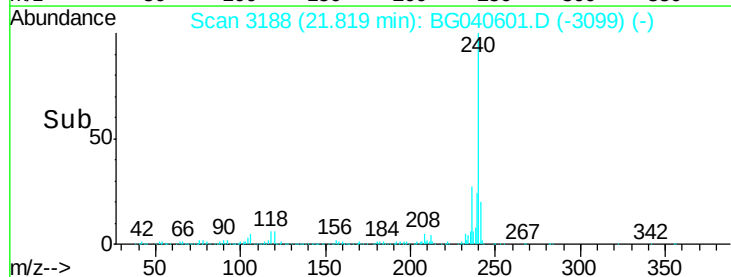
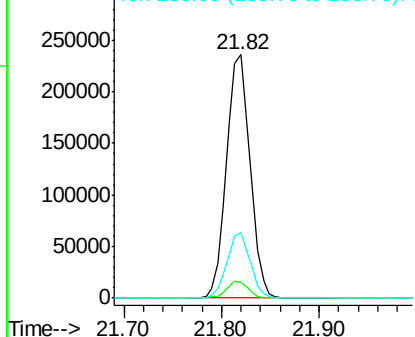


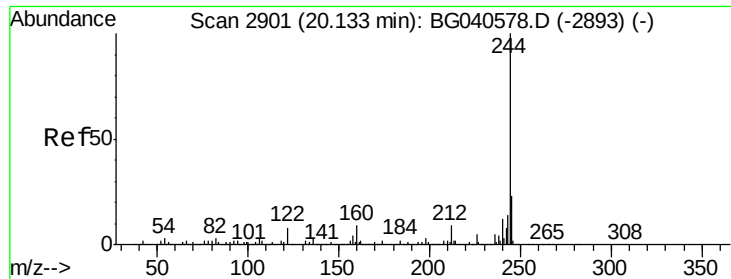
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.82 min Scan# 3188  
Delta R.T. -0.01 min  
Lab File: BG040601.D  
Acq: 24 Apr 2019 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.2   | 5.0   | 7.6   |
| 236     | 26.9  | 20.3  | 30.5  |



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: 87.074 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

Instrument :

BNA\_G

ClientSampleId :

PB119187BL

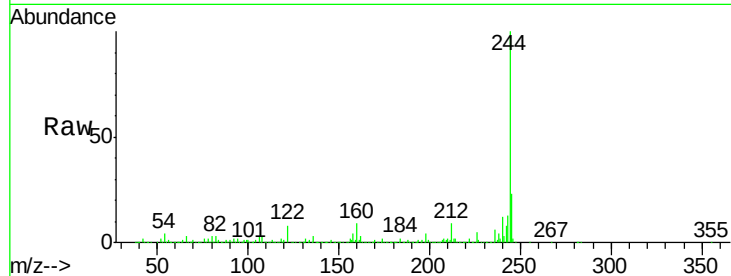
Tgt Ion:244 Resp: 1552741

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

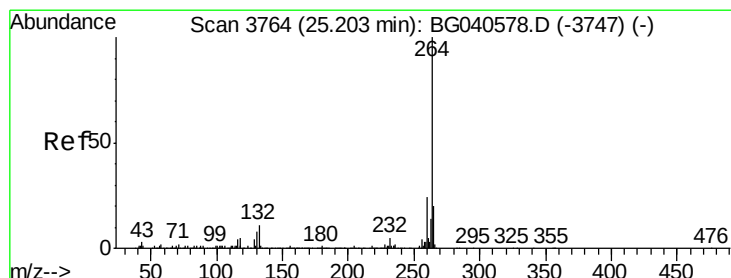
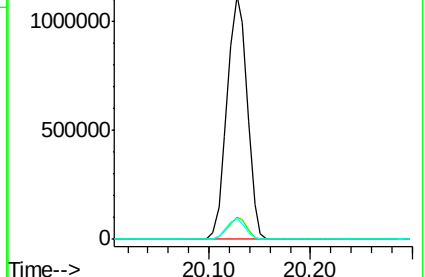
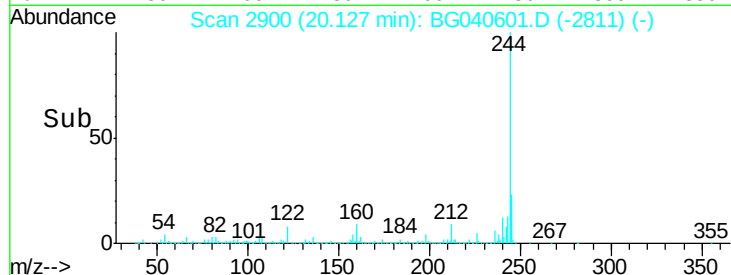
122 8.5 6.6 10.0



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: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040601.D

Acq: 24 Apr 2019 19:49

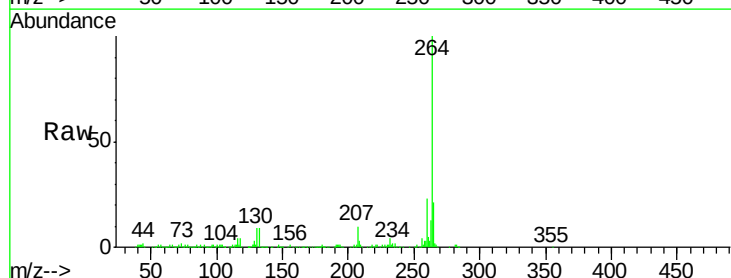
Tgt Ion:264 Resp: 413315

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.4 16.6 25.0



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

