

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042419\  
 Data File : BG040592.D  
 Acq On : 24 Apr 2019 14:07  
 Operator : JU/SJ  
 Sample : K2532-24  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Quant Time: Apr 25 03:45:59 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  | 44835    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 174801   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.79 | 164  | 124921   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.53 | 188  | 331902   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.82 | 240  | 374588   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.20 | 264  | 382235   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 320189   | 125.89 | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 422385   | 107.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 362842   | 95.91  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 256581   | 149.43 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 746405   | 86.29  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.13 | 244  | 1689688  | 99.93  | ng    | 0.00     |

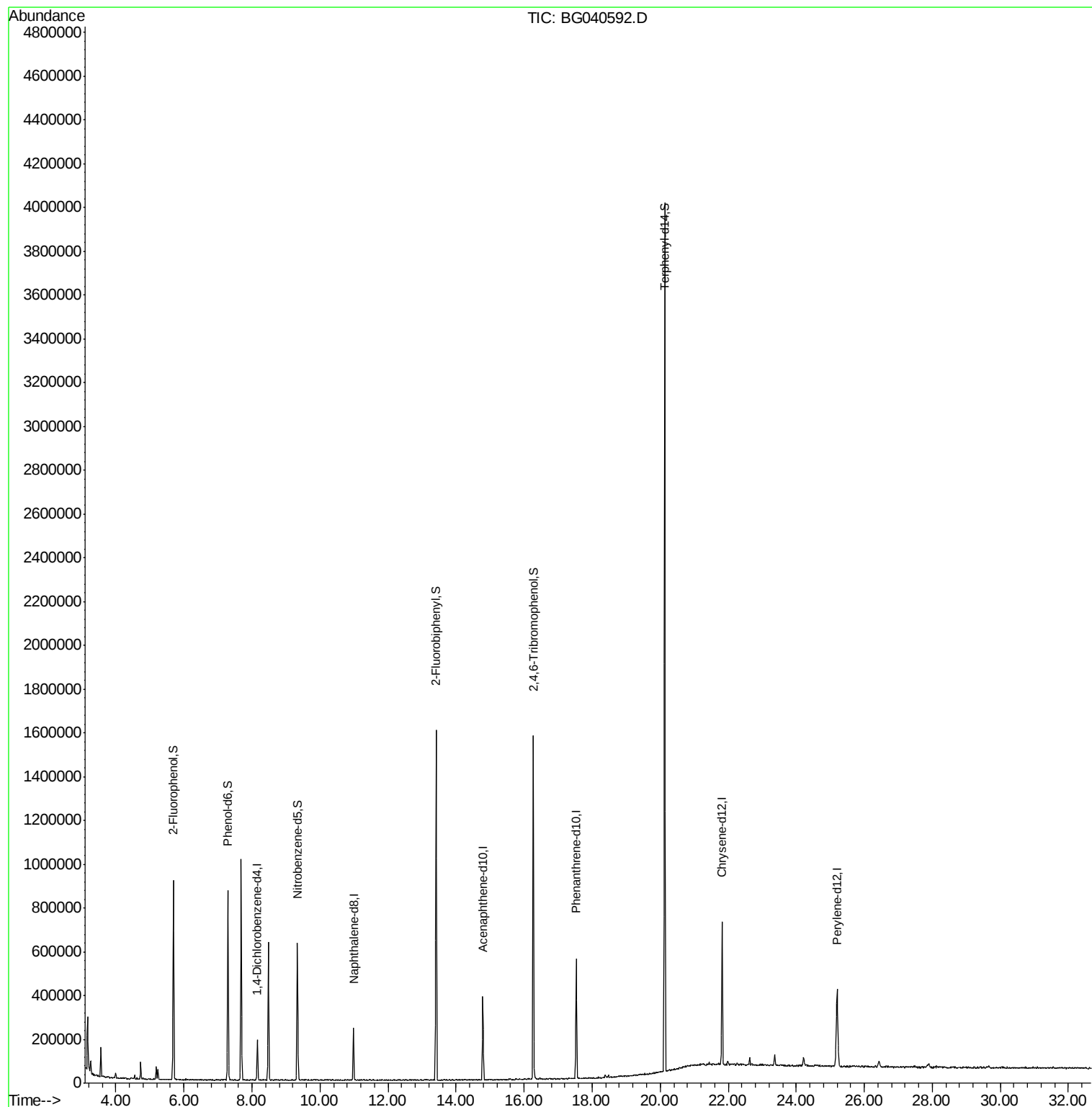
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

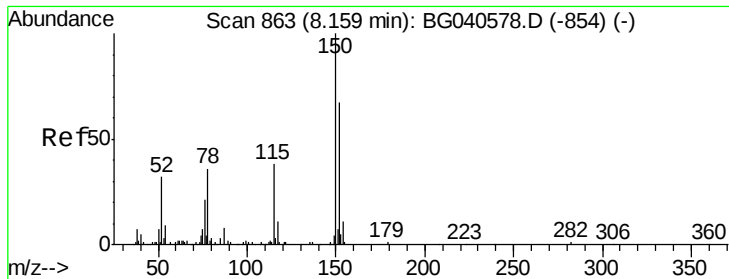
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042419\  
Data File : BG040592.D  
Acq On : 24 Apr 2019 14:07  
Operator : JU/SJ  
Sample : K2532-24  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

Quant Time: Apr 25 03:45:59 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



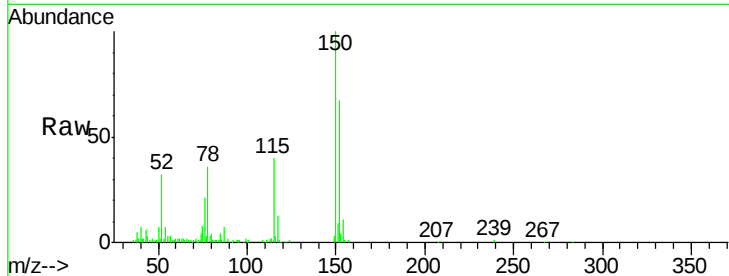


#1

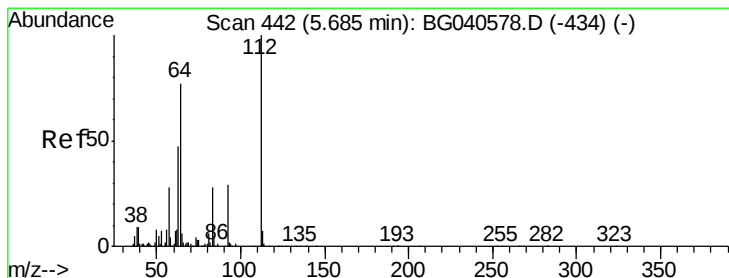
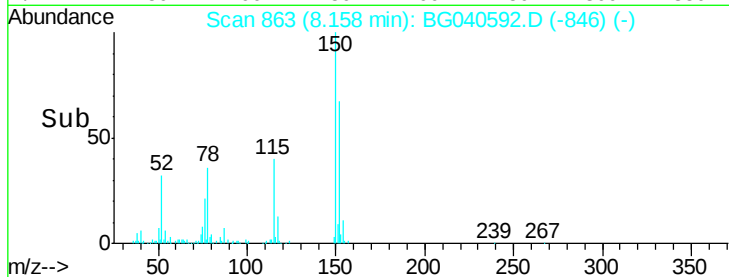
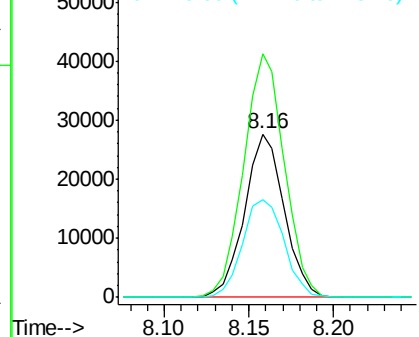
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: BG040592.D  
Acq: 24 Apr 2019 14:07

Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

Tgt Ion:152 Resp: 44835  
Ion Ratio Lower Upper  
152 100  
150 149.0 120.2 180.2  
115 59.5 46.2 69.2



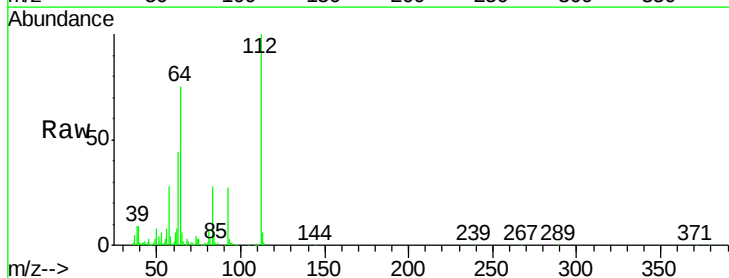
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



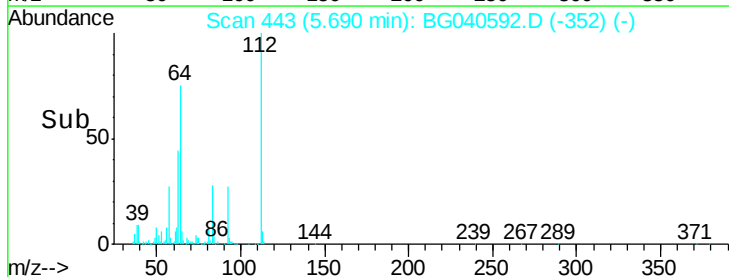
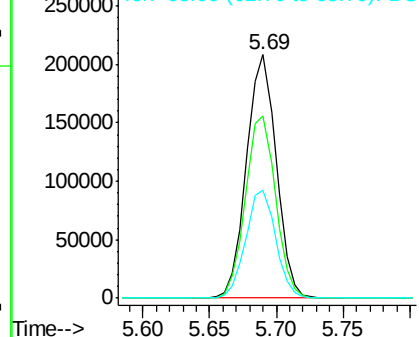
#5

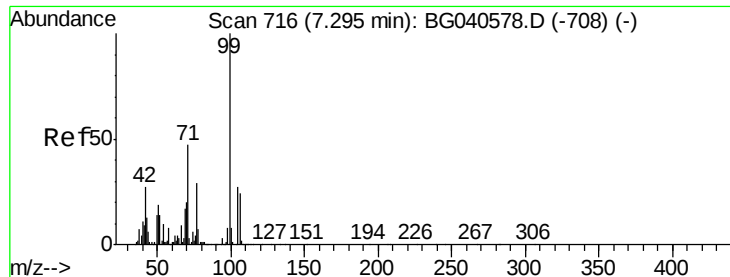
2-Fluorophenol  
Concen: 125.888 ng  
RT: 5.69 min Scan# 443  
Delta R.T. 0.01 min  
Lab File: BG040592.D  
Acq: 24 Apr 2019 14:07

Tgt Ion:112 Resp: 320189  
Ion Ratio Lower Upper  
112 100  
64 74.7 61.4 92.0  
63 44.1 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: 107.856 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040592.D

Acq: 24 Apr 2019 14:07

Instrument :

BNA\_G

ClientSampleId :

TP-4

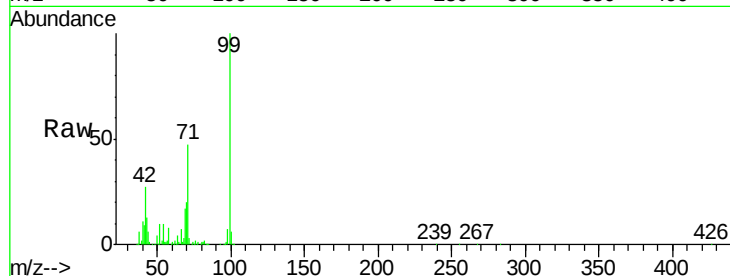
Tgt Ion: 99 Resp: 422385

Ion Ratio Lower Upper

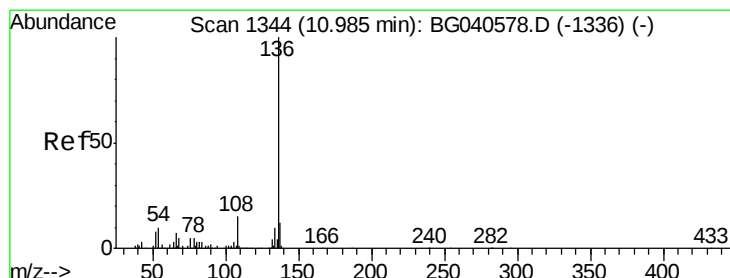
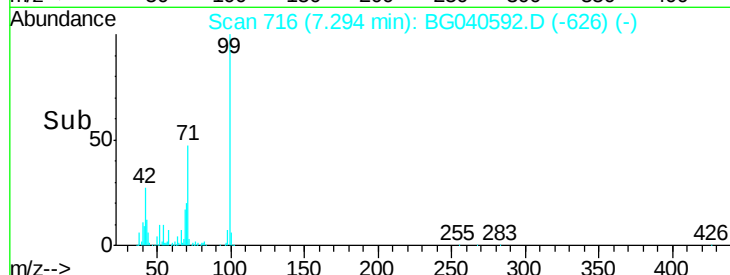
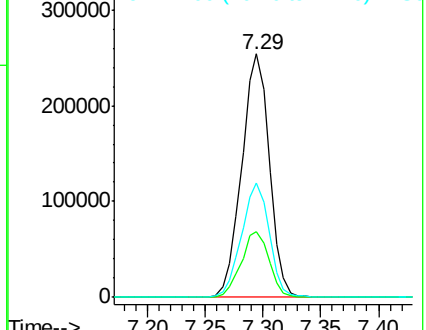
99 100

42 26.8 21.8 32.8

71 46.9 38.6 57.8



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: 10.98 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BG040592.D

Acq: 24 Apr 2019 14:07

Tgt Ion: 136 Resp: 174801

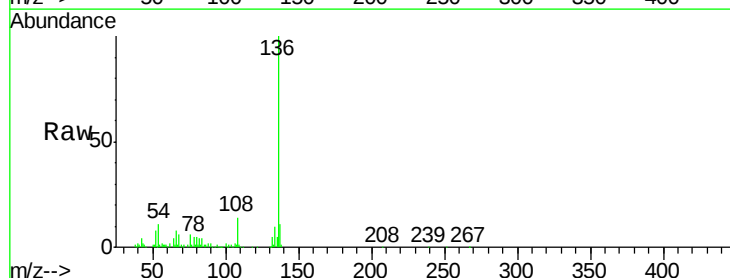
Ion Ratio Lower Upper

136 100

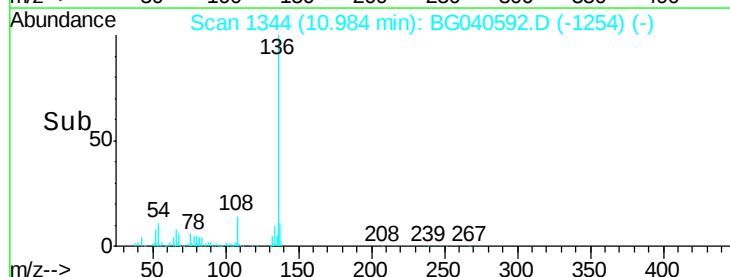
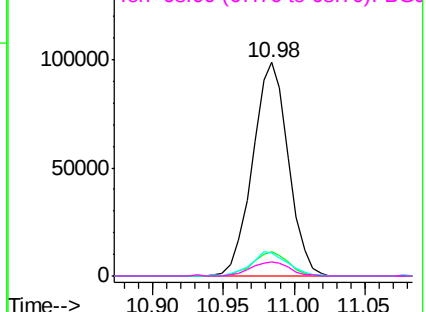
137 11.3 9.7 14.5

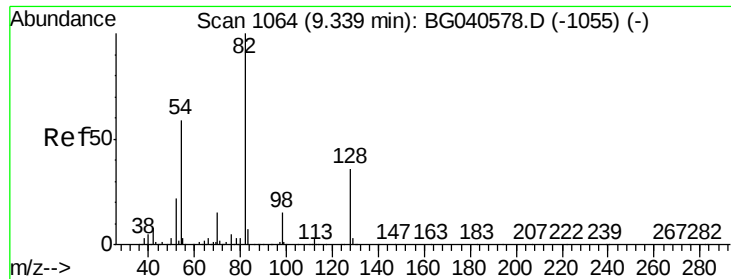
54 10.8 8.6 12.8

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

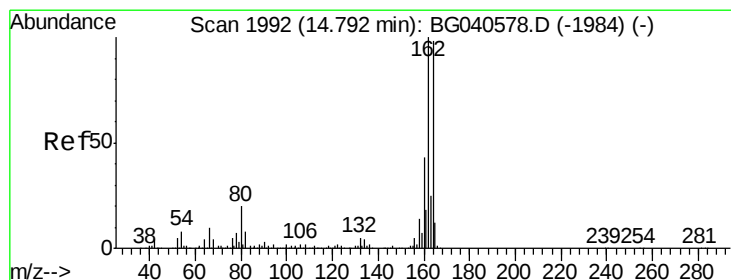
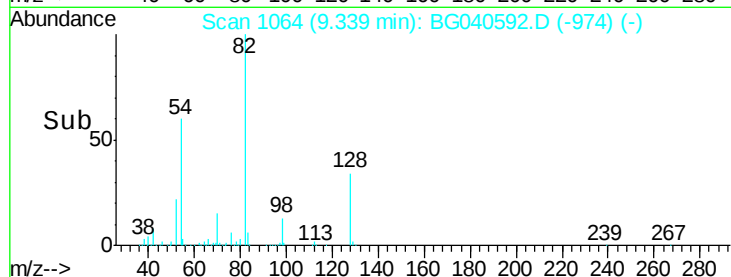
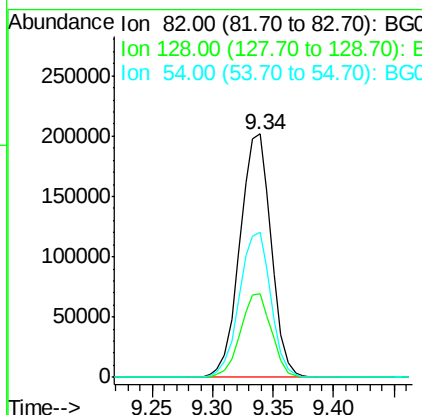
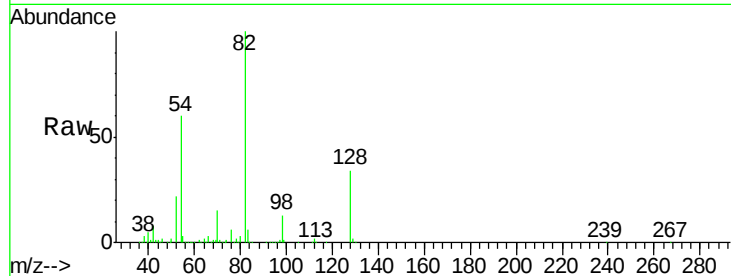




#23  
 Nitrobenzene-d5  
 Concen: 95.912 ng  
 RT: 9.34 min Scan# 1064  
 Delta R.T. -0.00 min  
 Lab File: BG040592.D  
 Acq: 24 Apr 2019 14:07

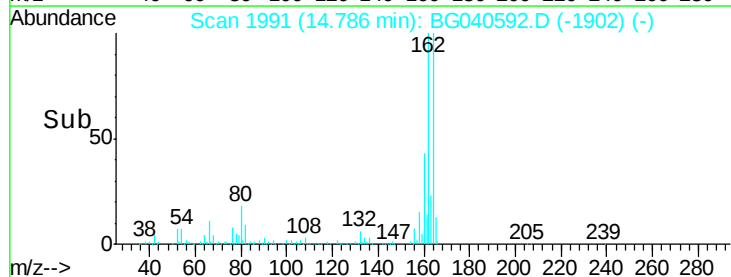
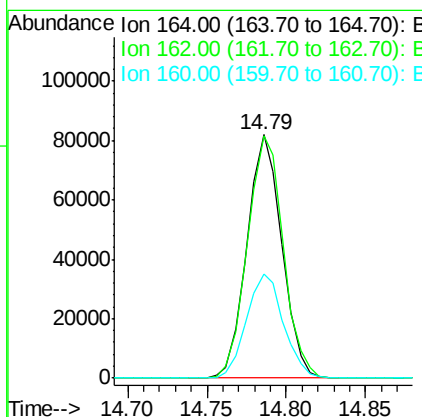
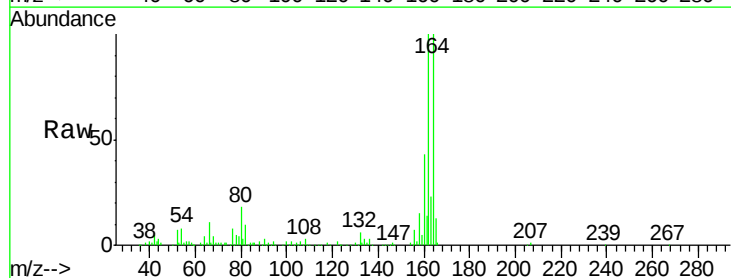
Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.1  | 28.9  | 43.3  |
| 54      | 59.7  | 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: BG040592.D  
 Acq: 24 Apr 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.5  | 81.9  | 122.9 |
| 160     | 42.6  | 35.4  | 53.2  |

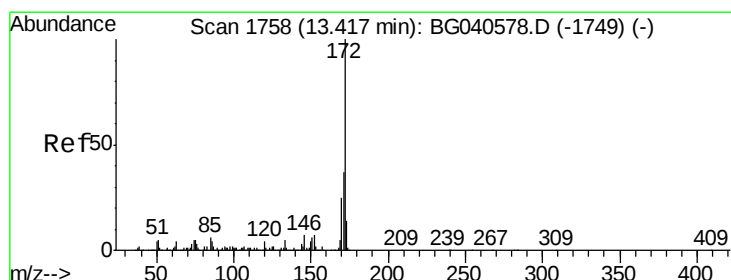
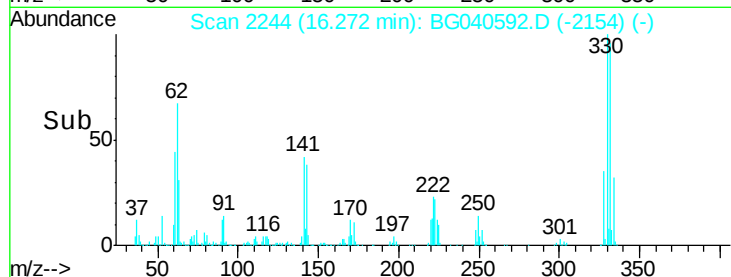
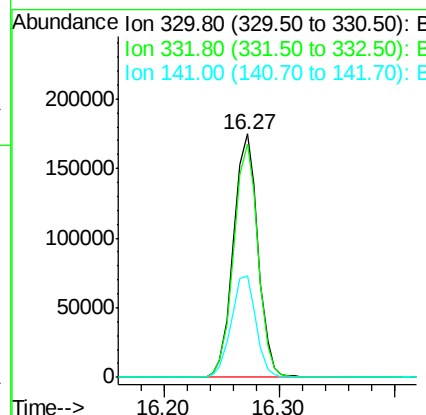
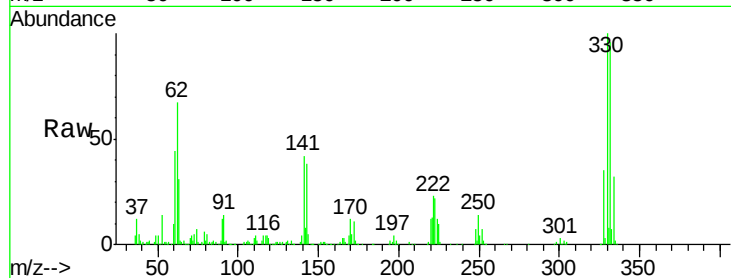




#42  
 2,4,6-Tribromophenol  
 Concen: 149.430 ng  
 RT: 16.27 min Scan# 2244  
 Delta R.T. -0.00 min  
 Lab File: BG040592.D  
 Acq: 24 Apr 2019 14:07

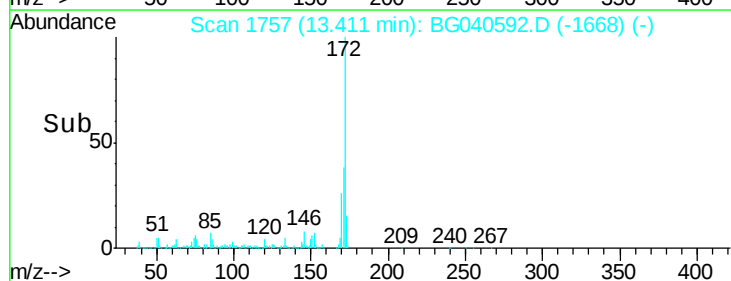
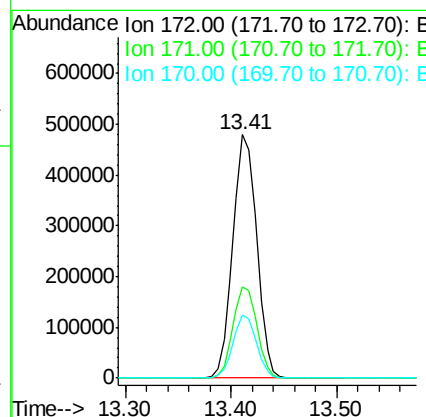
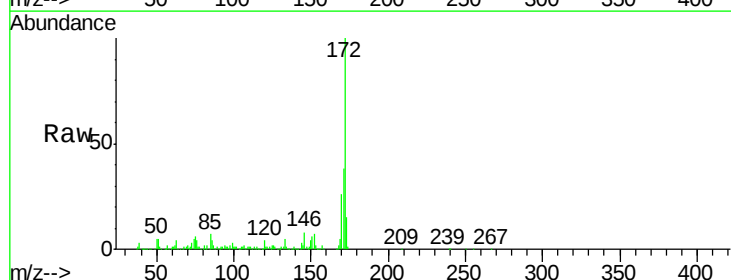
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

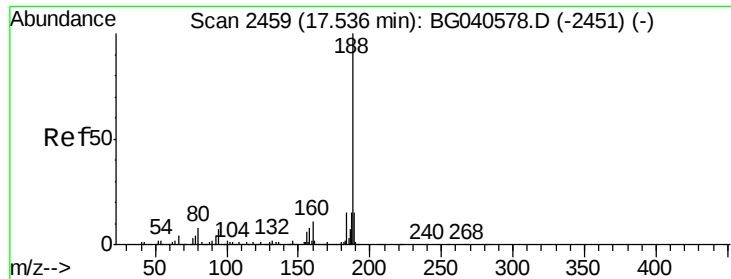
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 75.9  | 113.9 |
| 141     | 42.3  | 32.4  | 48.6  |



#45  
 2-Fluorobiphenyl  
 Concen: 86.291 ng  
 RT: 13.41 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BG040592.D  
 Acq: 24 Apr 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 29.4  | 44.2  |
| 170     | 25.7  | 19.9  | 29.9  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040592.D

Acq: 24 Apr 2019 14:07

Instrument :

BNA\_G

ClientSampled :

TP-4

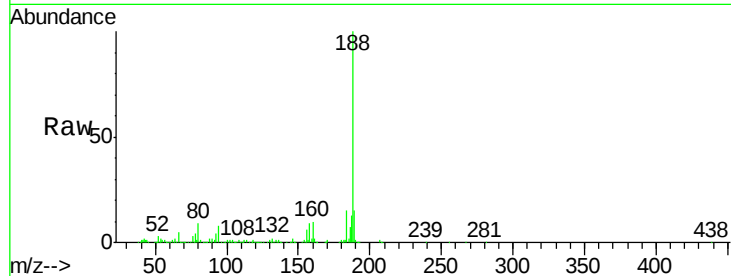
Tgt Ion:188 Resp: 331902

Ion Ratio Lower Upper

188 100

94 7.5 5.6 8.4

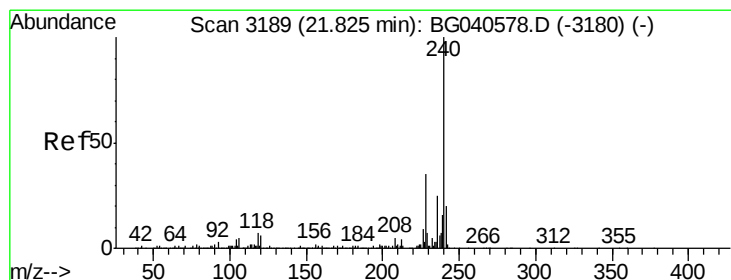
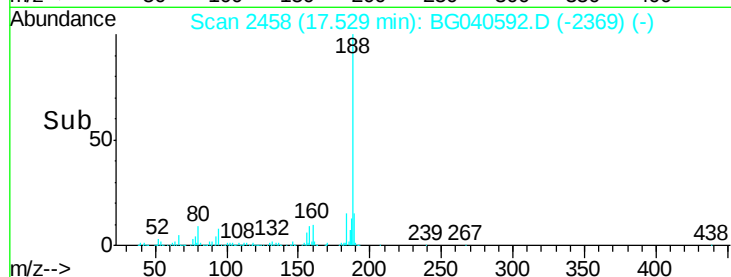
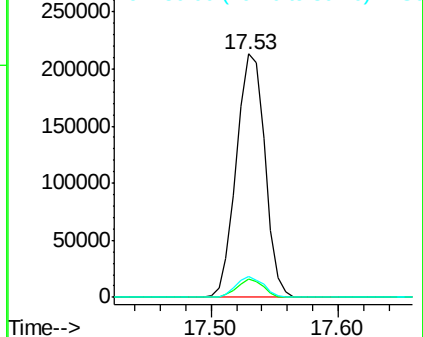
80 8.7 6.4 9.6



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: BG040592.D

Acq: 24 Apr 2019 14:07

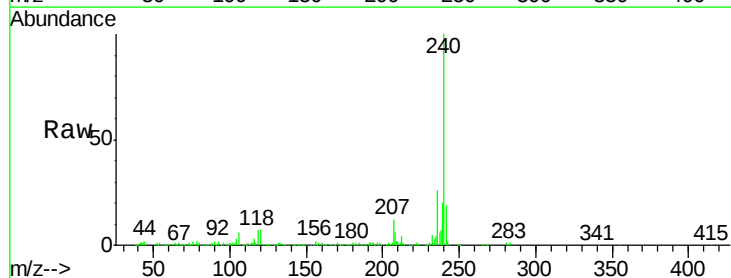
Tgt Ion:240 Resp: 374588

Ion Ratio Lower Upper

240 100

120 7.0 5.0 7.6

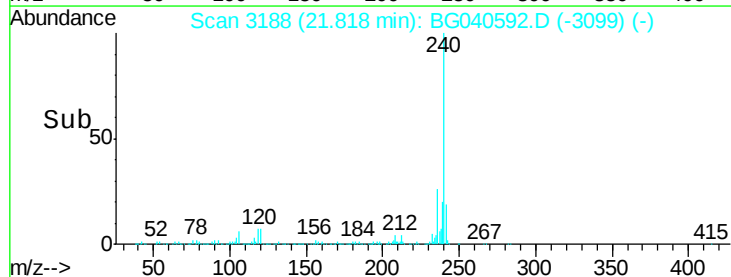
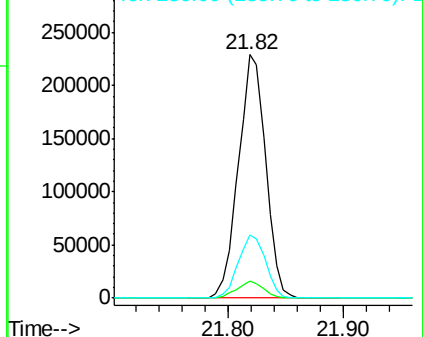
236 25.9 20.3 30.5

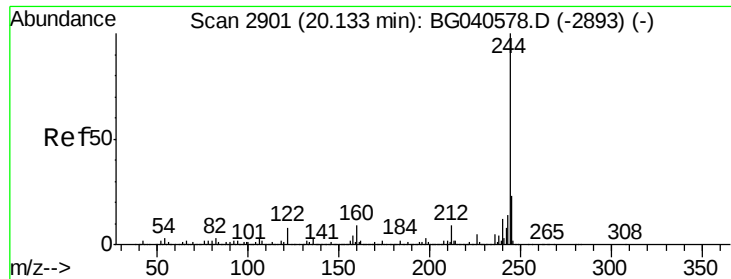


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 99.933 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG040592.D

Acq: 24 Apr 2019 14:07

Instrument :

BNA\_G

ClientSampleId :

TP-4

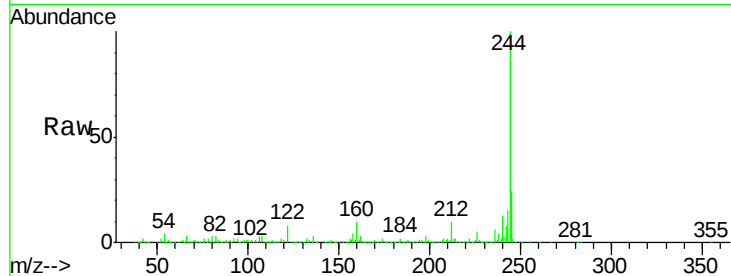
Tgt Ion:244 Resp: 1689688

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

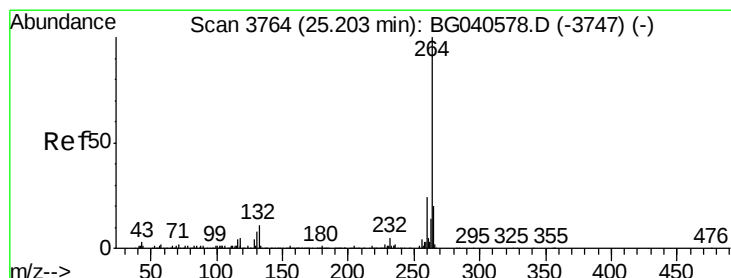
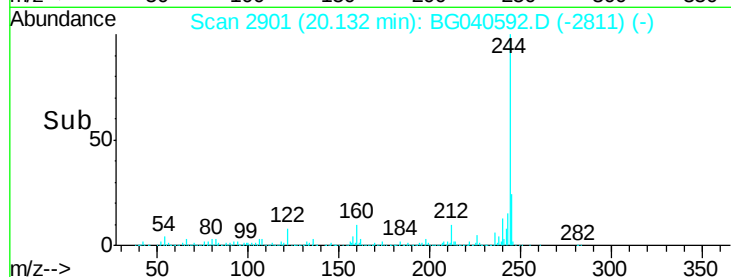
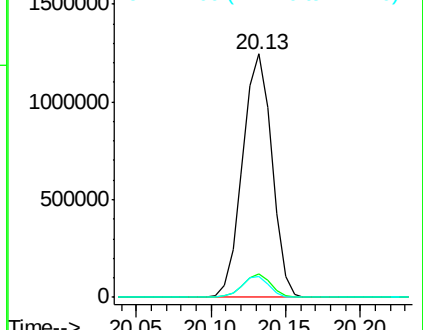
122 8.4 6.6 10.0



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: 25.20 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BG040592.D

Acq: 24 Apr 2019 14:07

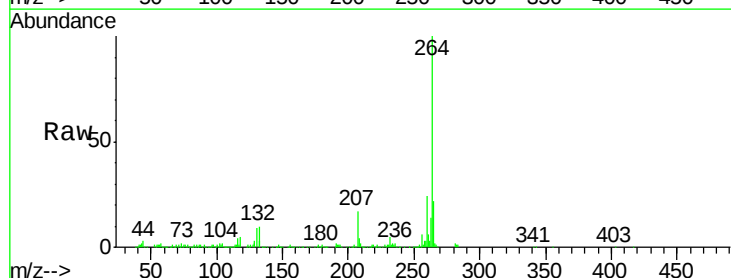
Tgt Ion:264 Resp: 382235

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.2 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

