

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\  
 Data File : BG040737.D  
 Acq On : 3 May 2019 22:55  
 Operator : JU/SJ  
 Sample : K2647-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-050219-B

Quant Time: May 05 23:43:01 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   | 8.15  | 152  | 40038    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.97 | 136  | 160775   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.78 | 164  | 121263   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.52 | 188  | 355216   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 360969   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.16 | 264  | 364682   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 393356   | 173.18 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 533253   | 152.48 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 449752   | 129.26 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 314408   | 188.63 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.40 | 172  | 1010602  | 120.36 | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.12 | 244  | 2010390  | 123.39 | ng    | -0.02    |

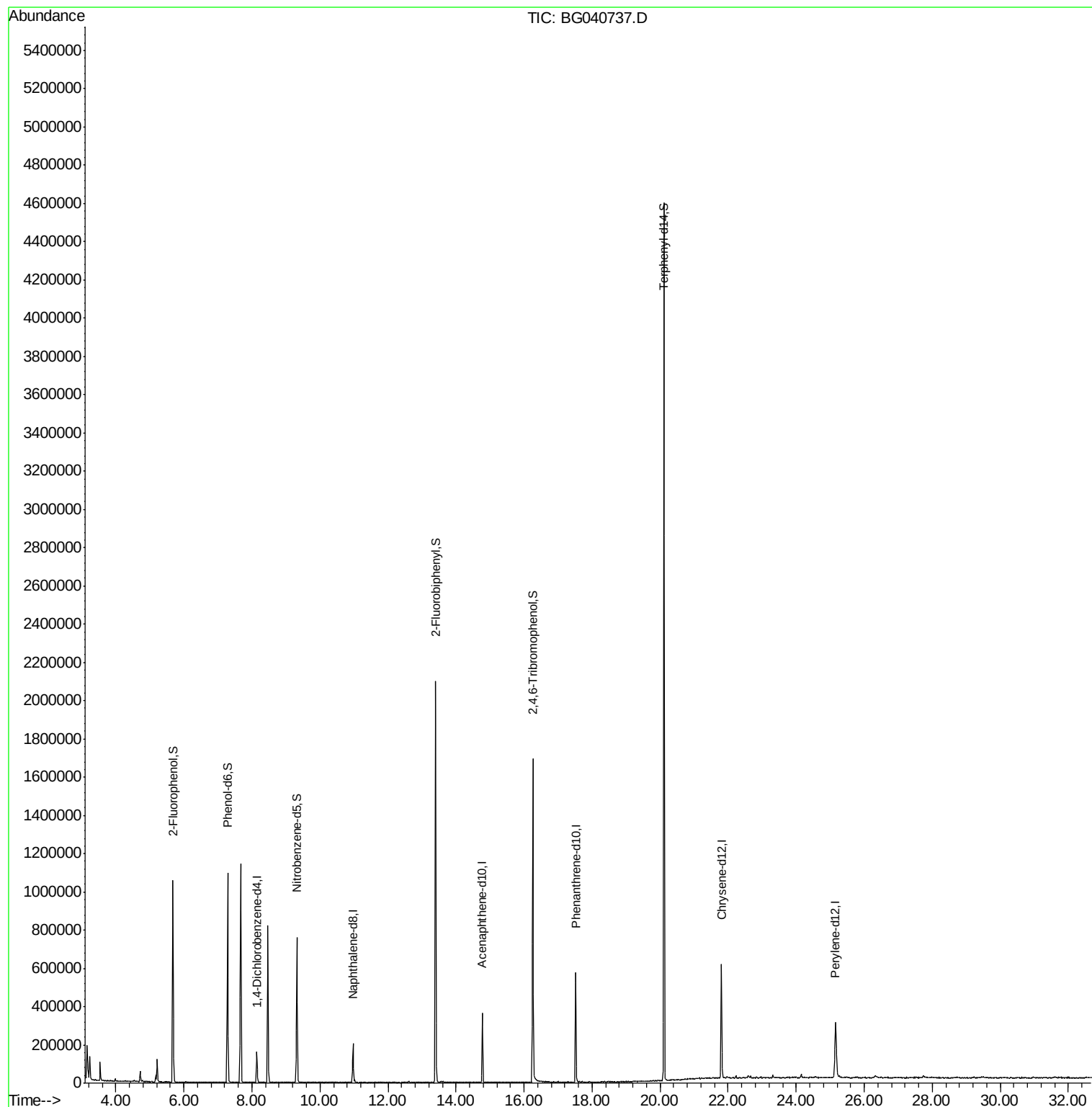
Target Compounds Qvalue

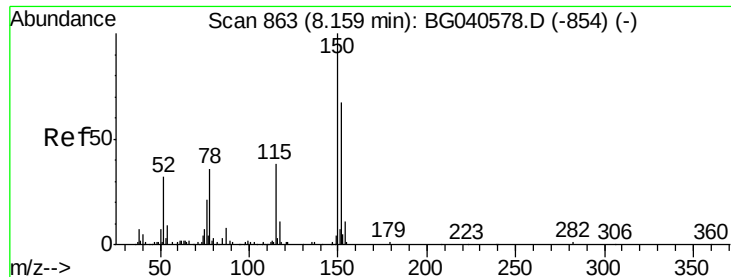
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 24 05:35:33 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA\_G

ClientSampleId :

SU-04-050219-B

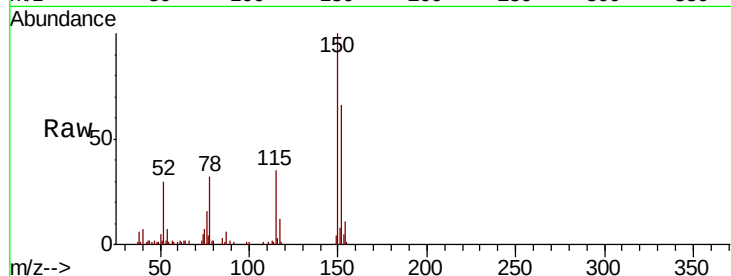
Tot Ion:152 Resp: 40038

Ion Ratio Lower Upper

152 100

150 152.0 120.2 180.2

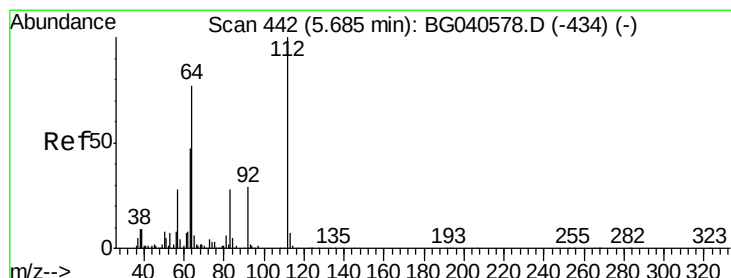
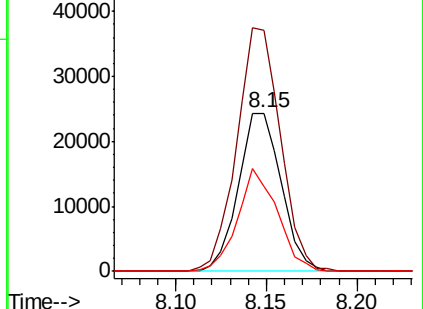
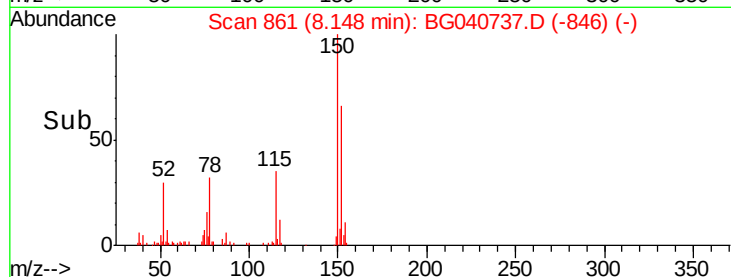
115 53.5 46.2 69.2



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: 173.184 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

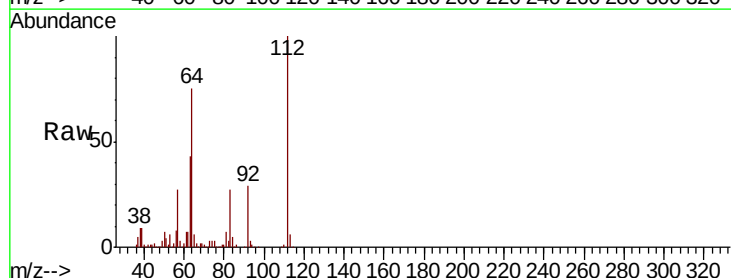
Tgt Ion:112 Resp: 393356

Ion Ratio Lower Upper

112 100

64 75.4 61.4 92.0

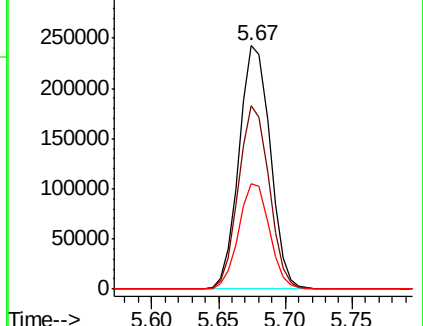
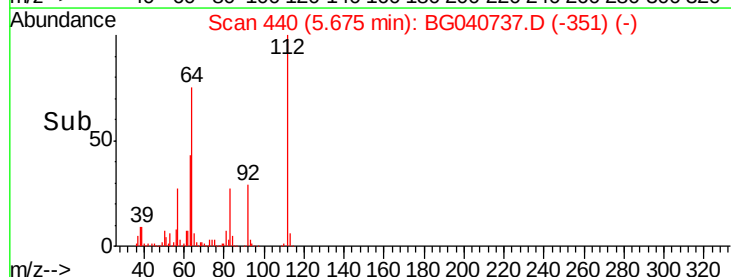
63 43.0 37.8 56.6

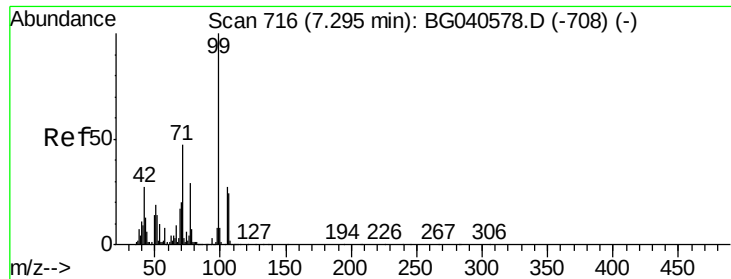


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 152.481 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA\_G

ClientSampleId :

SU-04-050219-B

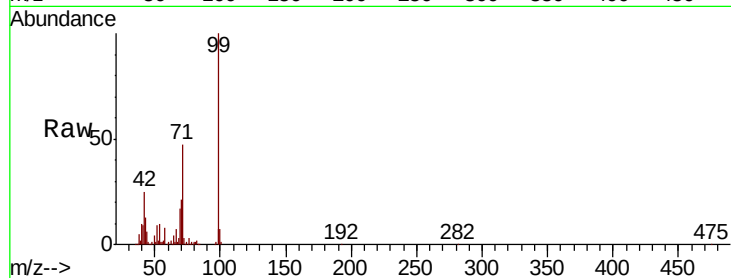
Tot Ion: 99 Resp: 533253

Ion Ratio Lower Upper

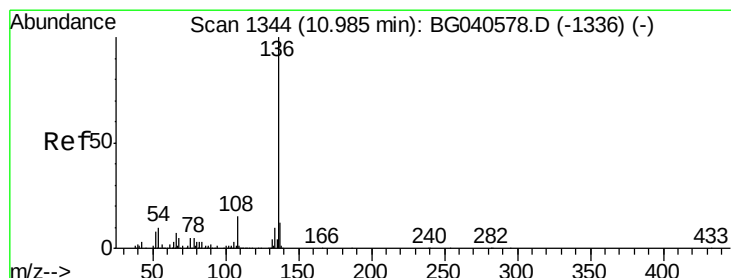
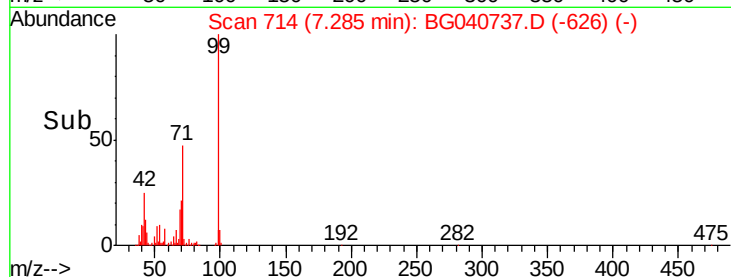
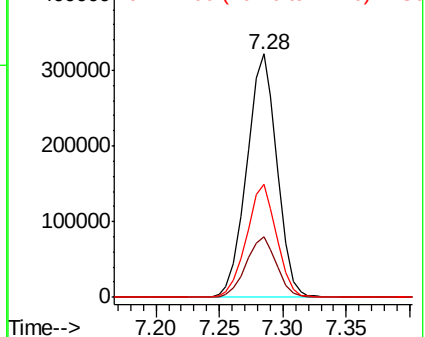
99 100

42 24.9 21.8 32.8

71 46.6 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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Tgt Ion: 136 Resp: 160775

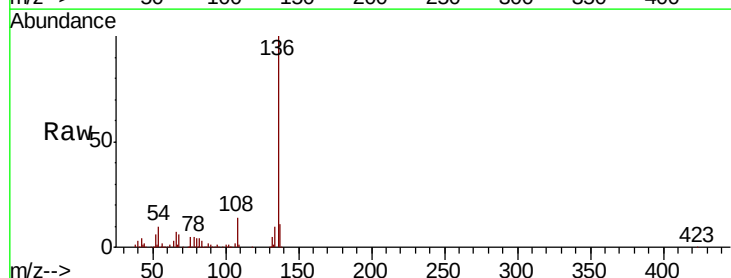
Ion Ratio Lower Upper

136 100

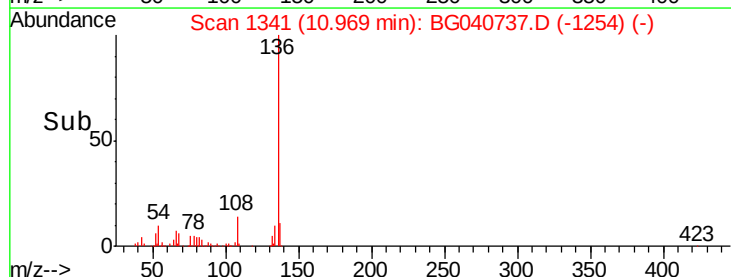
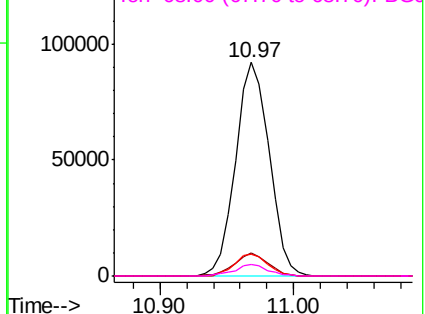
137 10.8 9.7 14.5

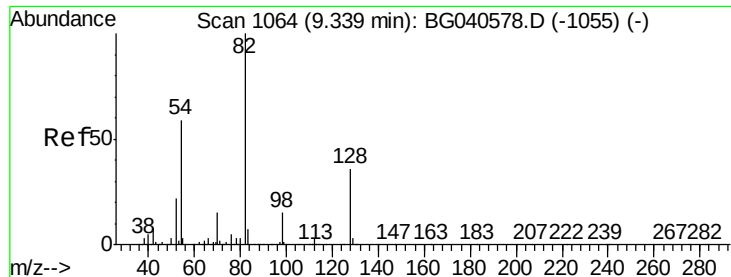
54 9.9 8.6 12.8

68 5.6 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

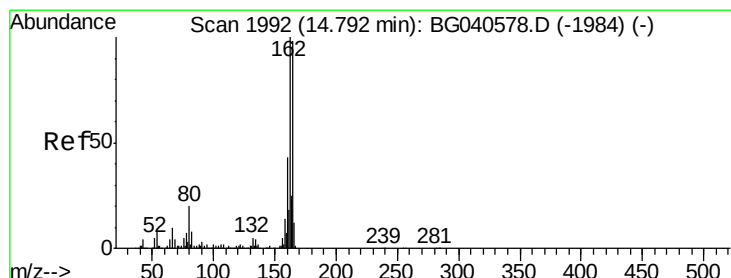
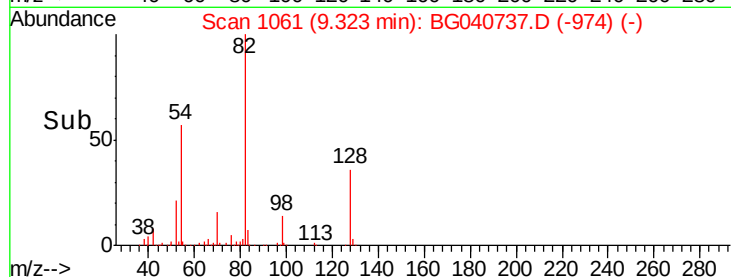
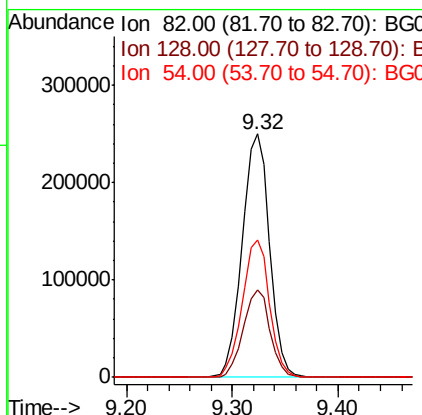
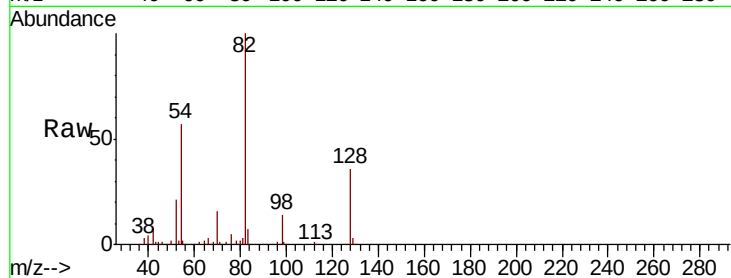




#23  
 Nitrobenzene-d5  
 Concen: 129.257 ng  
 RT: 9.32 min Scan# 1061  
 Delta R.T. -0.02 min  
 Lab File: BG040737.D  
 Acq: 3 May 2019 22:55

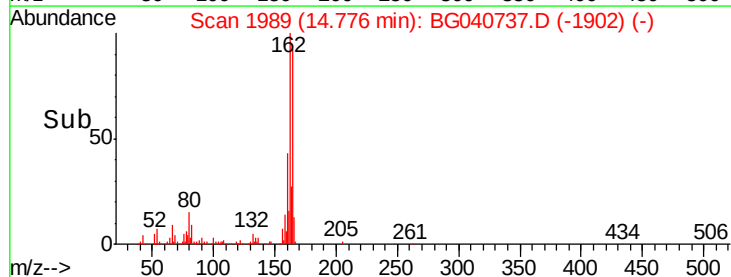
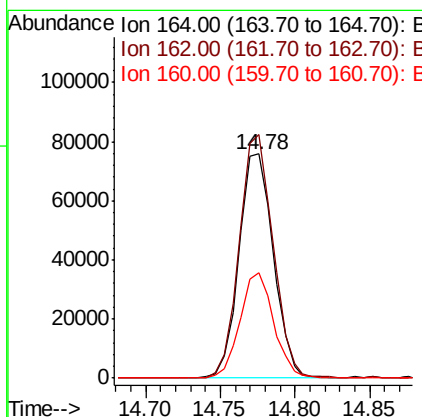
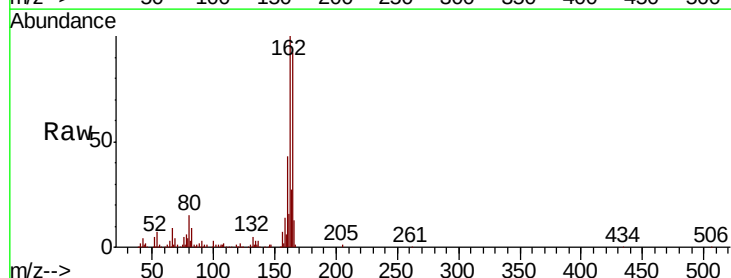
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-050219-B

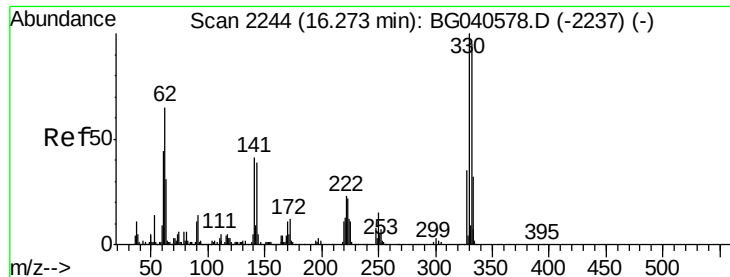
| Tot Ion   | 82    | Resp  | 449752 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.0  | 28.9  | 43.3   |
| 54        | 56.7  | 47.2  | 70.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.78 min Scan# 1989  
 Delta R.T. -0.02 min  
 Lab File: BG040737.D  
 Acq: 3 May 2019 22:55

| Tgt Ion   | 164   | Resp  | 121263 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 108.7 | 81.9  | 122.9  |
| 160       | 46.8  | 35.4  | 53.2   |

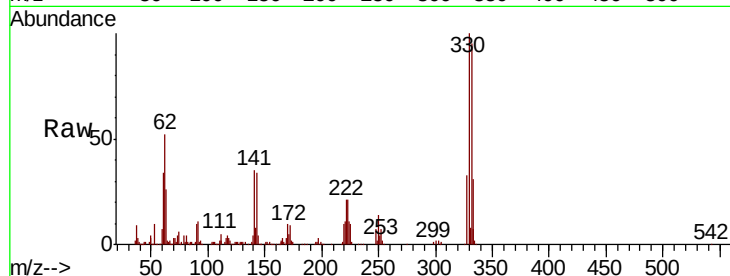




#42  
 2,4,6-Tribromophenol  
 Concen: 188.631 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. -0.01 min  
 Lab File: BG040737.D  
 Acq: 3 May 2019 22:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-04-050219-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 75.9  | 113.9 |
| 141     | 37.8  | 32.4  | 48.6  |

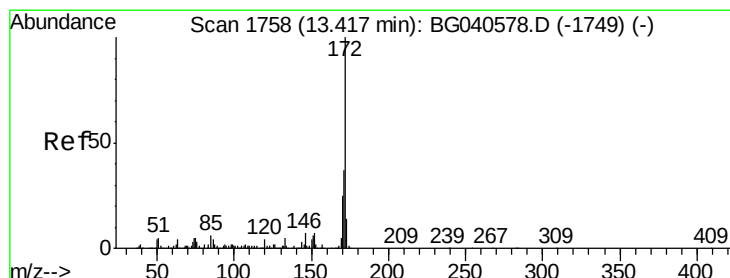
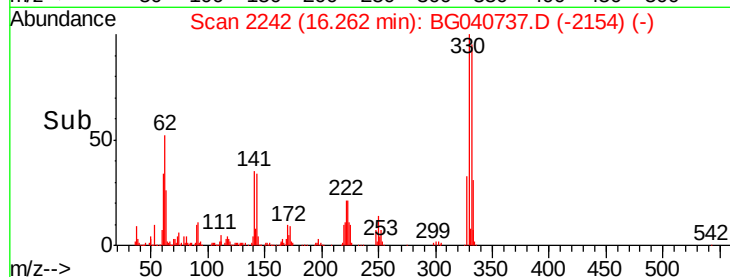
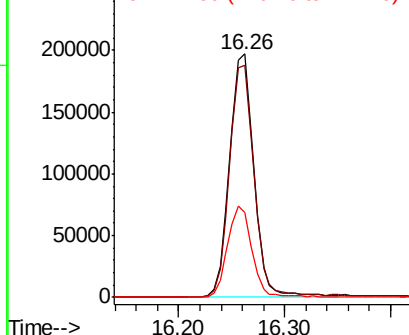


Abundance

Ion 329.80 (329.50 to 330.50): E

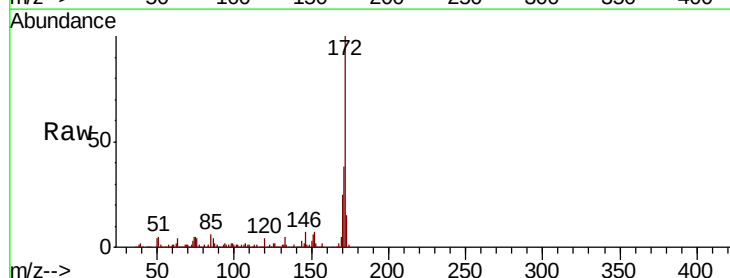
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 120.359 ng  
 RT: 13.40 min Scan# 1755  
 Delta R.T. -0.02 min  
 Lab File: BG040737.D  
 Acq: 3 May 2019 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 29.4  | 44.2  |
| 170     | 25.3  | 19.9  | 29.9  |

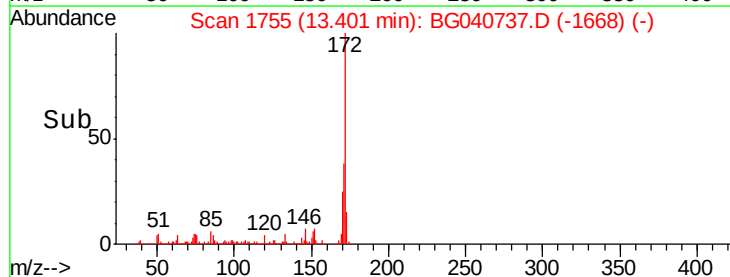
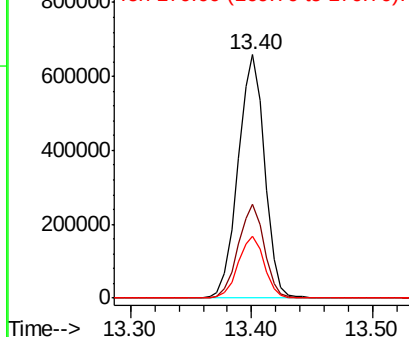


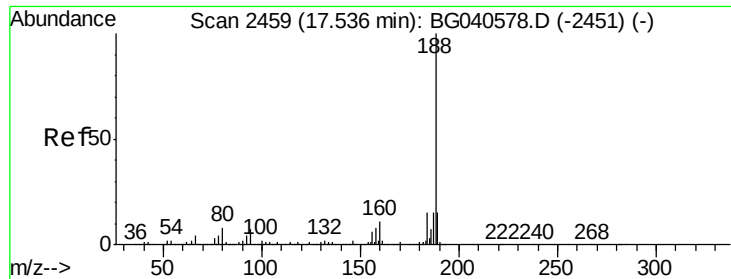
Abundance

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

BNA\_G

ClientSampleId :

SU-04-050219-B

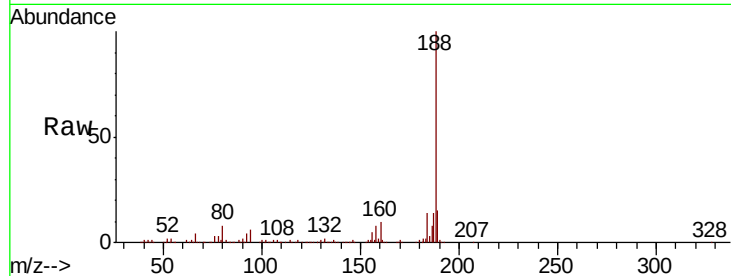
Tot Ion:188 Resp: 355216

Ion Ratio Lower Upper

188 100

94 5.8 5.6 8.4

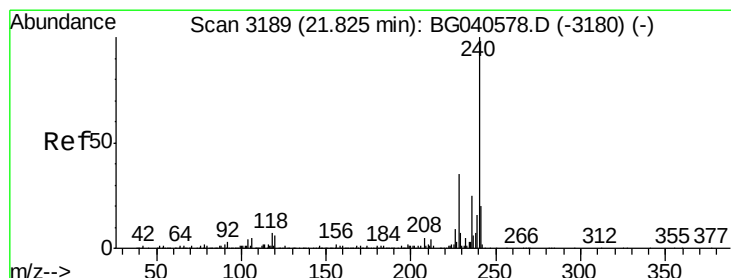
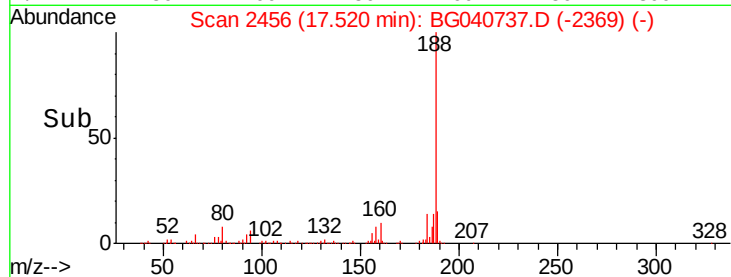
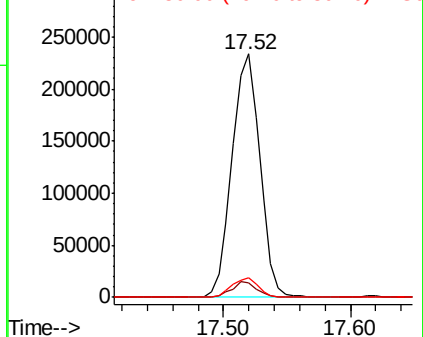
80 8.0 6.4 9.6



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: 21.80 min Scan# 3185

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

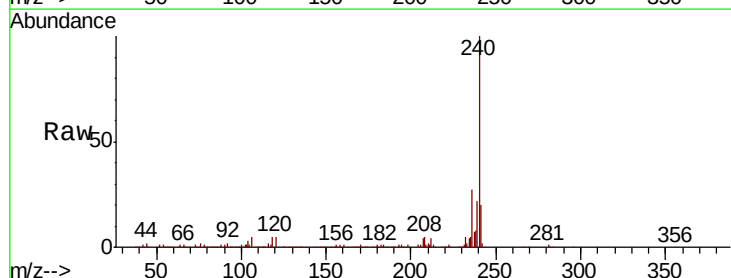
Tgt Ion:240 Resp: 360969

Ion Ratio Lower Upper

240 100

120 5.3 5.0 7.6

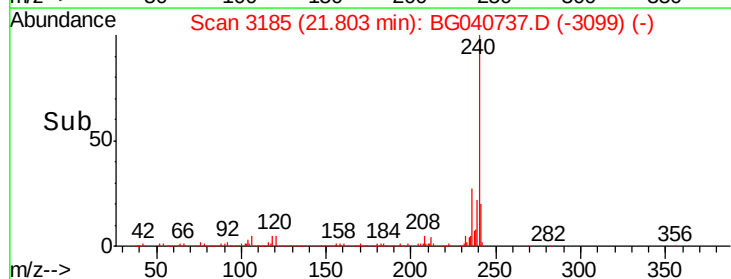
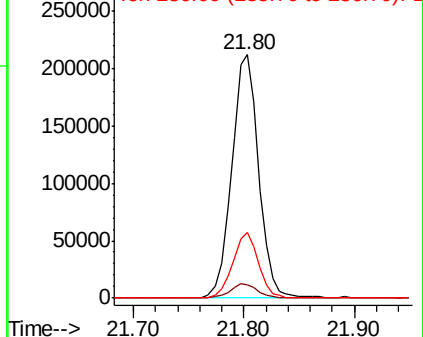
236 27.2 20.3 30.5

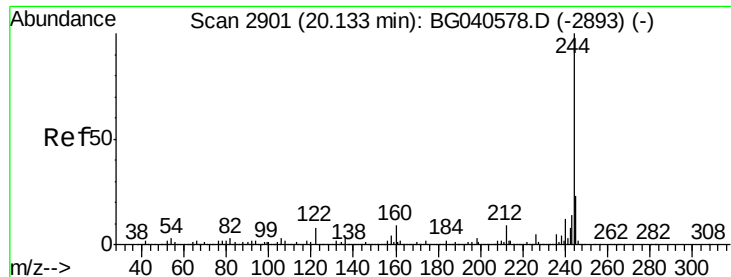


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 123.386 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Instrument :

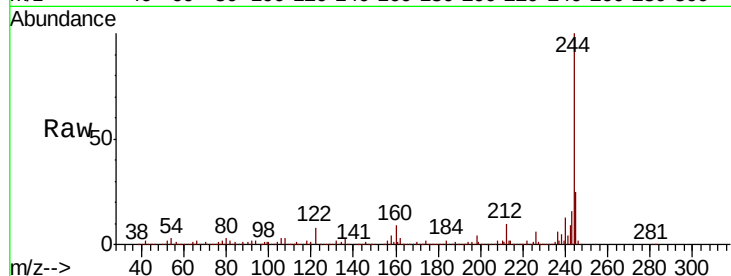
BNA\_G

ClientSampleId :

SU-04-050219-B

Tot Ion:244 Resp: 2010390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.8   | 7.2   | 10.8  |
| 122 | 8.4   | 6.6   | 10.0  |

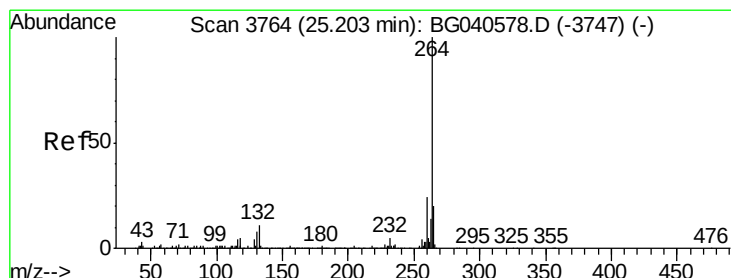
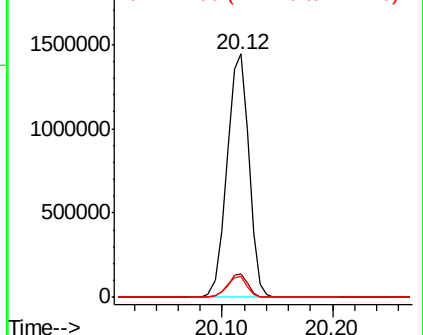
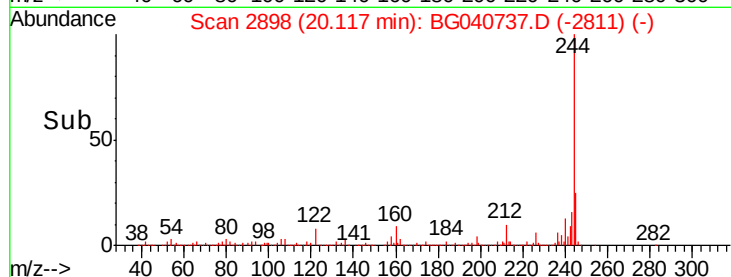


Abundance

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: 25.16 min Scan# 3756

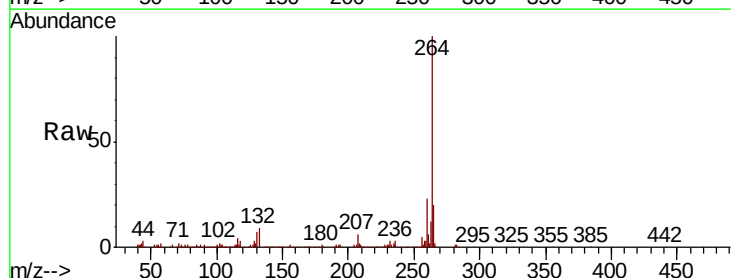
Delta R.T. -0.05 min

Lab File: BG040737.D

Acq: 3 May 2019 22:55

Tgt Ion:264 Resp: 364682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 19.2  | 28.8  |
| 265 | 20.3  | 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

