

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\  
 Data File : BG039206.D  
 Acq On : 18 Jan 2019 5:46  
 Operator : JU/SJ  
 Sample : K1157-23  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-05-011519

Quant Time: Jan 18 06:27:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 04:20:14 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 24451    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 90712    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 60848    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 206677   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.68 | 240  | 193231   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.95 | 264  | 213932   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 201817   | 156.58 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 207981   | 112.12 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 147524   | 88.99  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 159203   | 156.08 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 457212   | 102.83 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.01 | 244  | 1003636  | 96.08  | ng    | 0.00     |

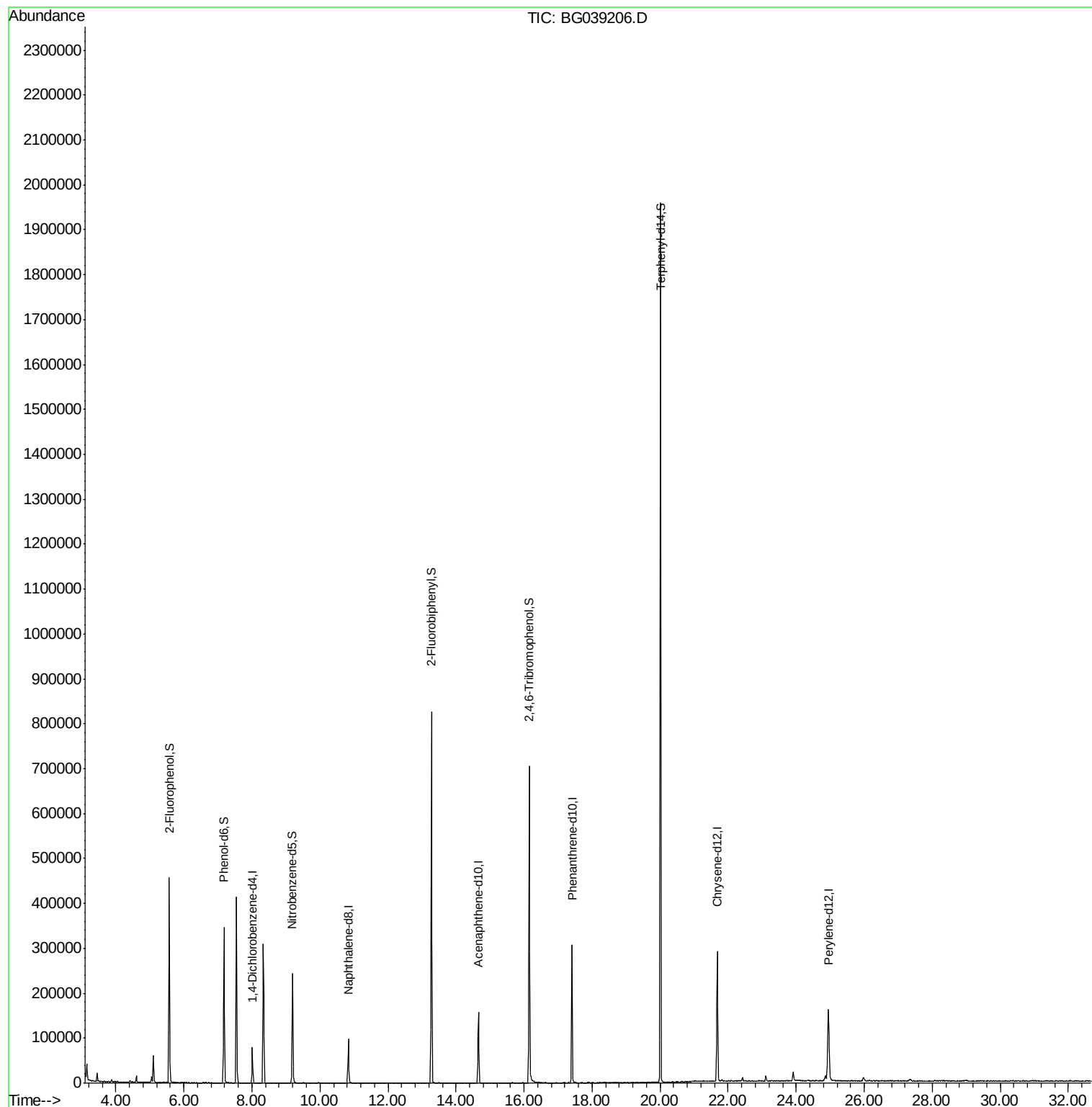
Target Compounds Qvalue

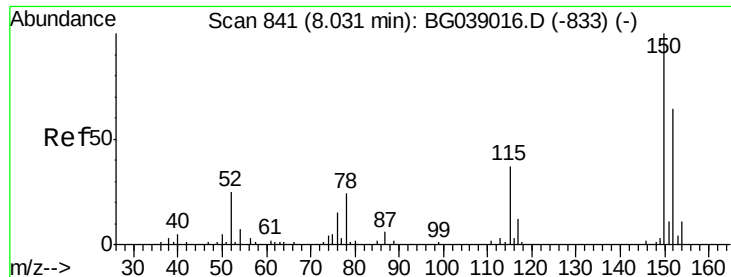
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 18 04:20:14 2019  
Response via : Initial Calibration



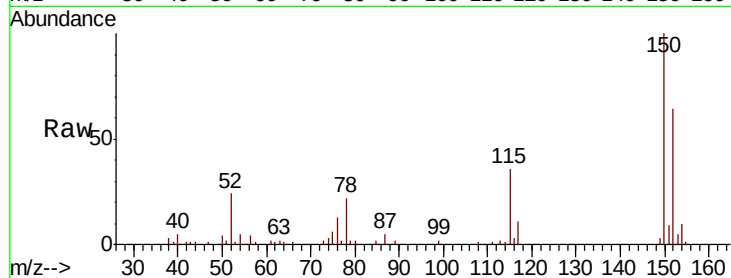


#1

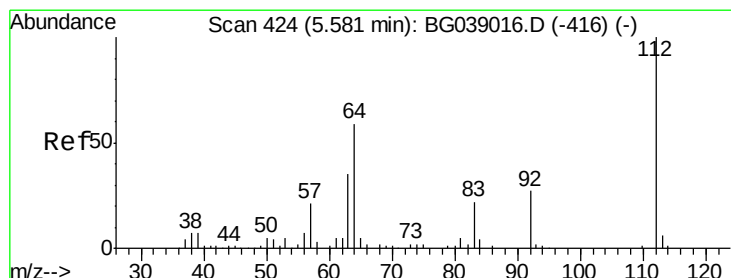
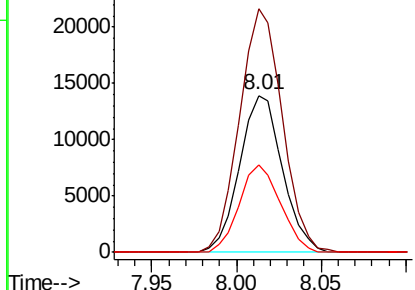
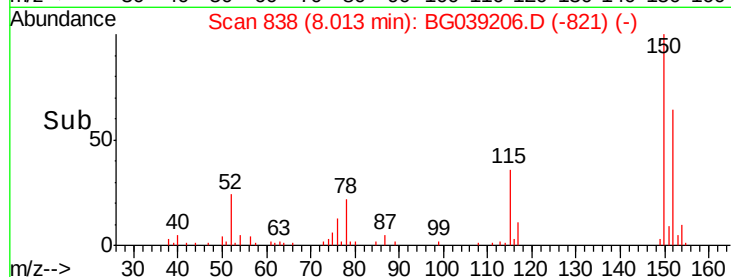
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 838  
Delta R.T. -0.00 min  
Lab File: BG039206.D  
Acq: 18 Jan 2019 5:46

Instrument :  
BNA\_G  
ClientSampleId :  
WC-05-011519

Tot Ion:152 Resp: 24451  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.7 187.1  
115 56.0 46.5 69.7



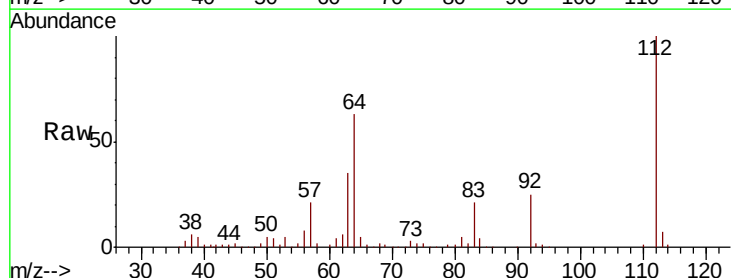
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



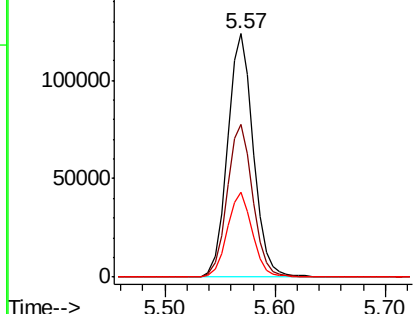
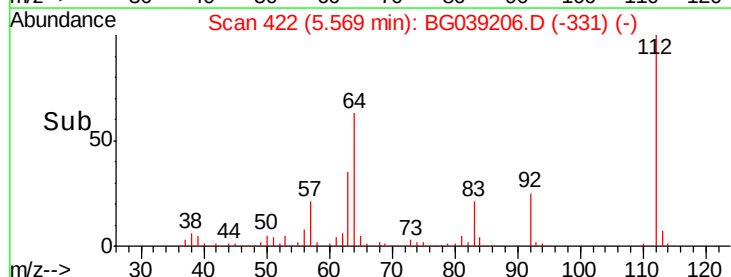
#5

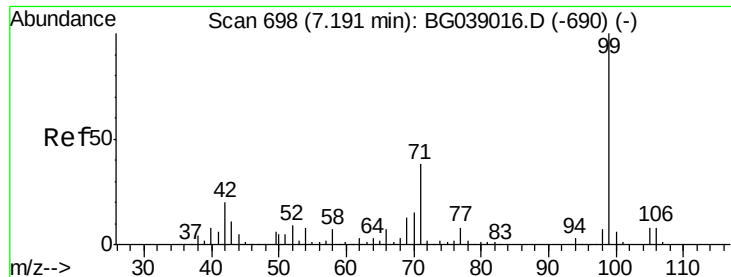
2-Fluorophenol  
Concen: 156.576 ng  
RT: 5.57 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: BG039206.D  
Acq: 18 Jan 2019 5:46

Tgt Ion:112 Resp: 201817  
Ion Ratio Lower Upper  
112 100  
64 62.6 47.0 70.6  
63 34.7 28.0 42.0



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: 112.122 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

Instrument :

BNA\_G

ClientSampleId :

WC-05-011519

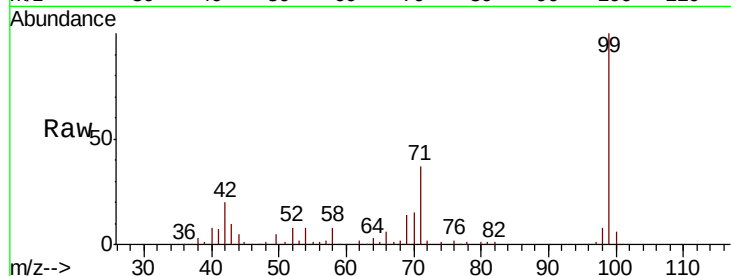
Tot Ion: 99 Resp: 207981

Ion Ratio Lower Upper

99 100

42 20.4 15.8 23.6

71 37.4 30.2 45.4

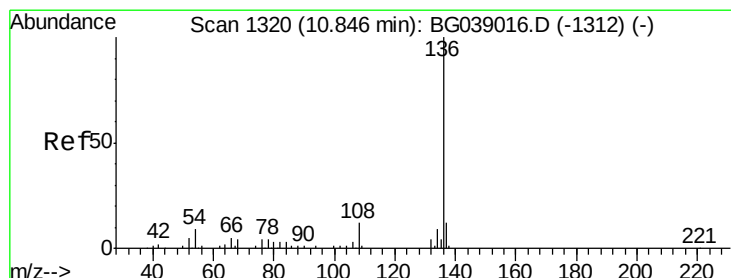
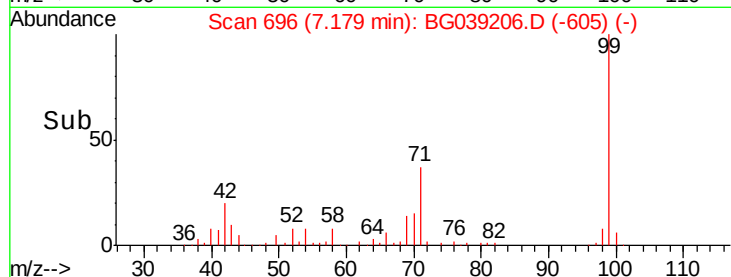
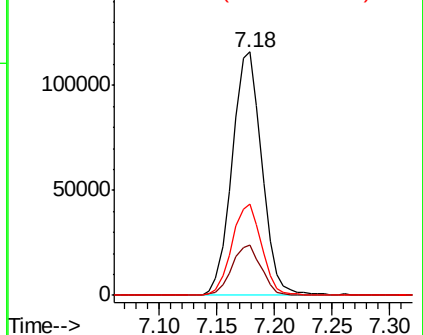


Abundance

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: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

Tgt Ion: 136 Resp: 90712

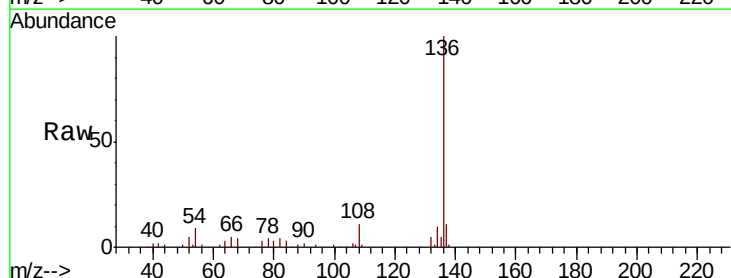
Ion Ratio Lower Upper

136 100

137 10.5 9.4 14.2

54 9.4 7.2 10.8

68 4.3 3.5 5.3



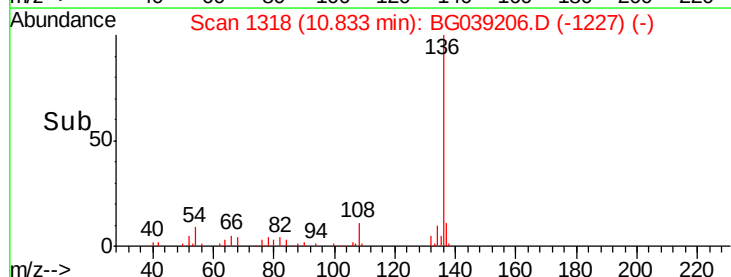
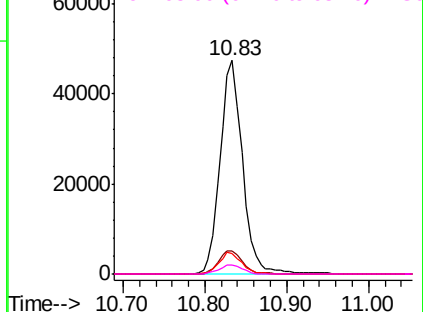
Abundance

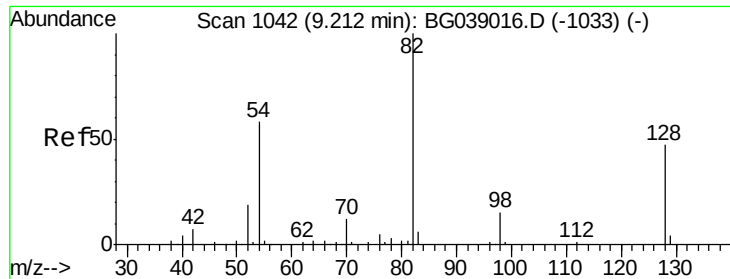
Ion 136.00 (135.70 to 136.70): BGC

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

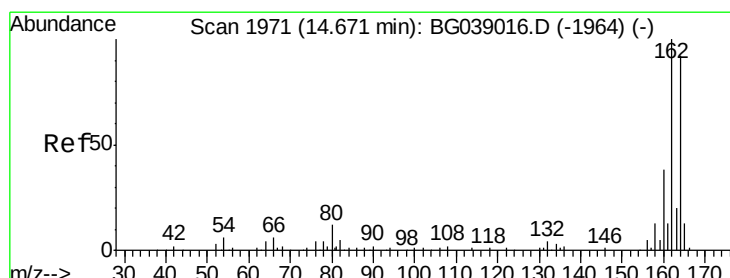
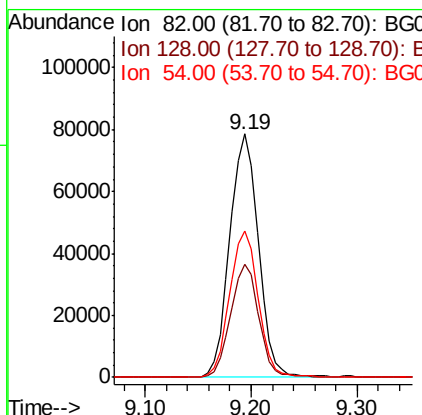
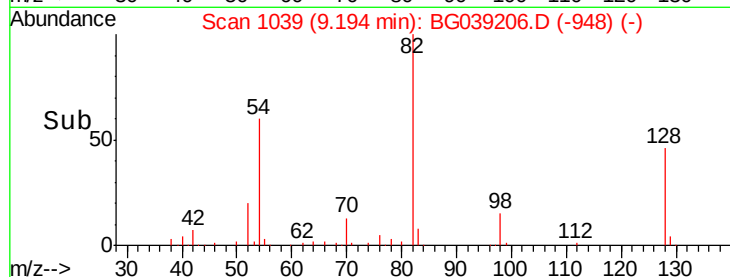
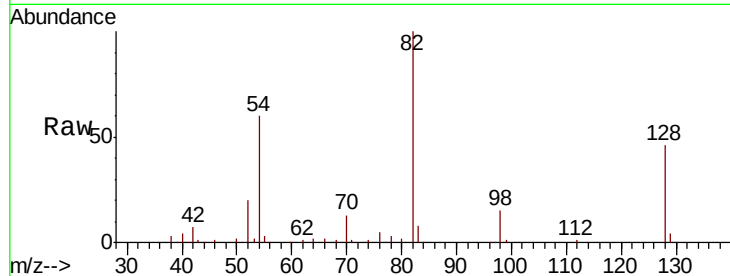




#23  
Nitrobenzene-d5  
Concen: 88.990 ng  
RT: 9.19 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: BG039206.D  
Acq: 18 Jan 2019 5:46

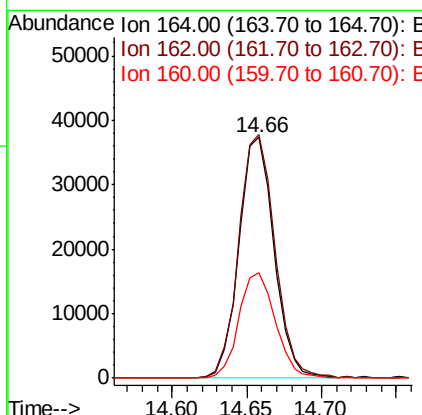
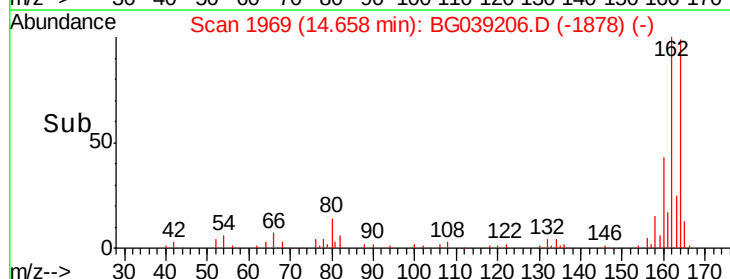
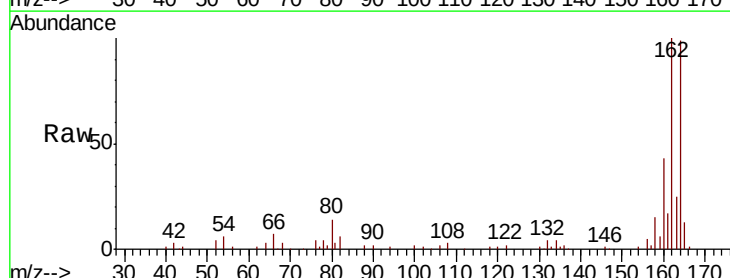
Instrument :  
BNA\_G  
ClientSampleId :  
WC-05-011519

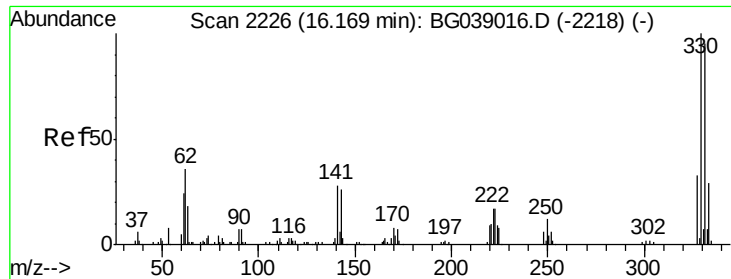
Tot Ion: 82 Resp: 147524  
Ion Ratio Lower Upper  
82 100  
128 46.3 37.3 55.9  
54 60.0 46.4 69.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: BG039206.D  
Acq: 18 Jan 2019 5:46

Tgt Ion: 164 Resp: 60848  
Ion Ratio Lower Upper  
164 100  
162 101.1 87.2 130.8  
160 43.6 33.3 49.9

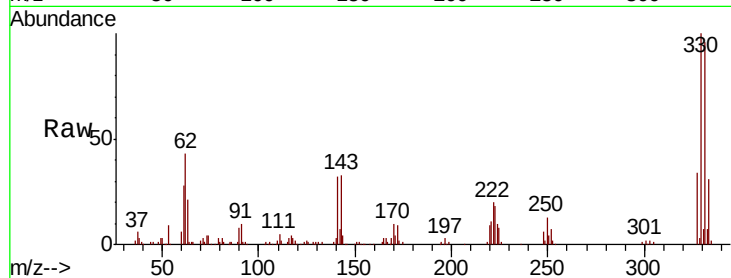




#42  
 2,4,6-Tribromophenol  
 Concen: 156.084 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.00 min  
 Lab File: BG039206.D  
 Acq: 18 Jan 2019 5:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-05-011519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 75.7  | 113.5 |
| 141     | 33.6  | 24.9  | 37.3  |

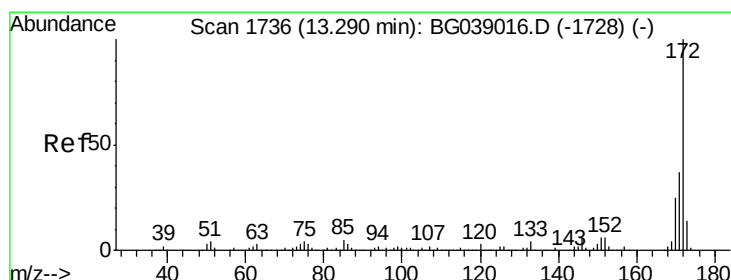
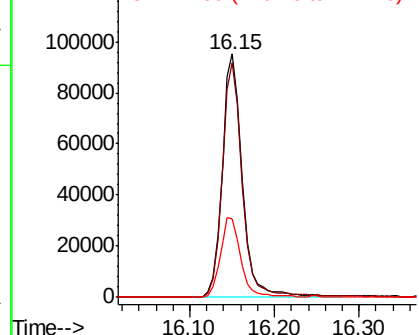
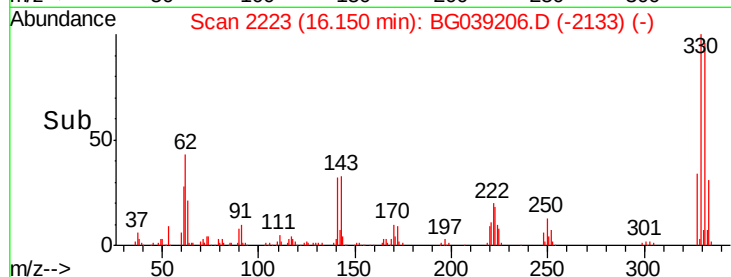


Abundance

Ion 329.80 (329.50 to 330.50): E

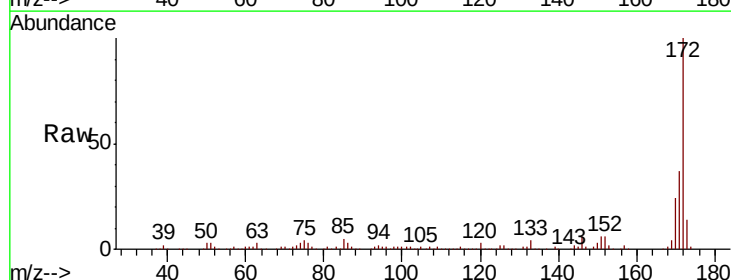
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 102.834 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. 0.00 min  
 Lab File: BG039206.D  
 Acq: 18 Jan 2019 5:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.4  | 44.0  |
| 170     | 24.5  | 20.1  | 30.1  |

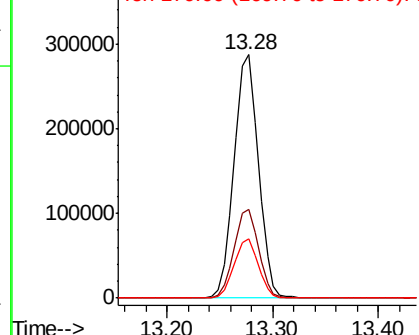
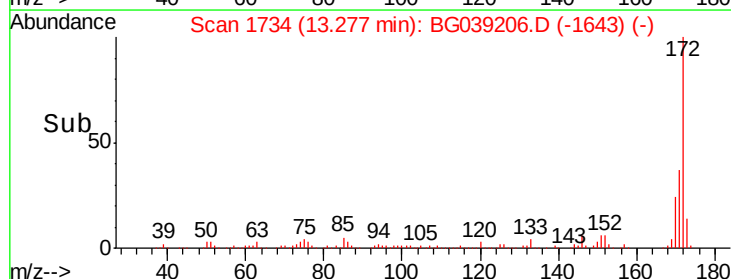


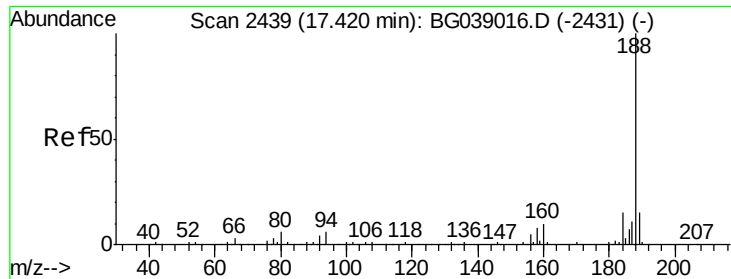
Abundance

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: 17.41 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

Instrument :

BNA\_G

ClientSampleId :

WC-05-011519

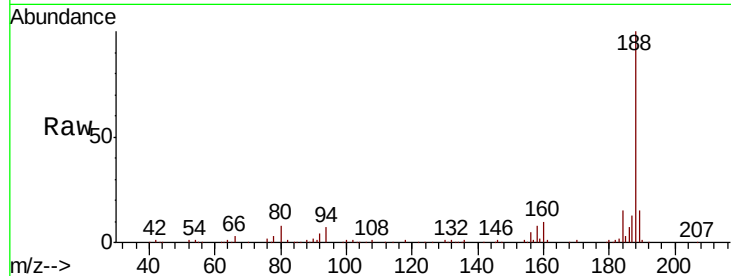
Tot Ion:188 Resp: 206677

Ion Ratio Lower Upper

188 100

94 7.1 5.0 7.4

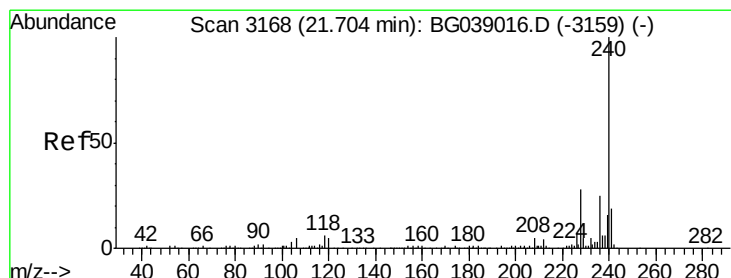
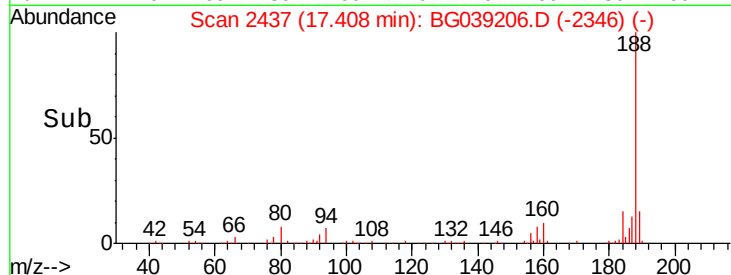
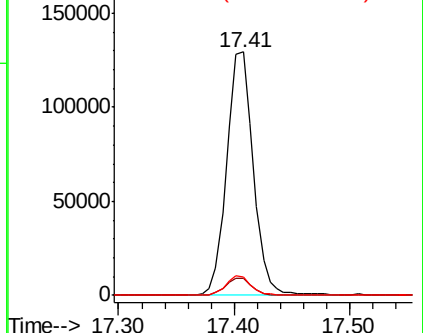
80 7.6 4.7 7.1#



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: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

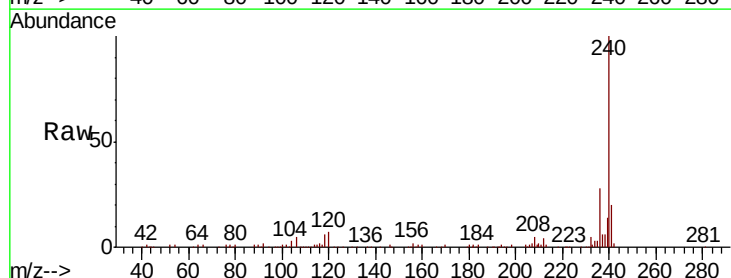
Tgt Ion:240 Resp: 193231

Ion Ratio Lower Upper

240 100

120 6.9 4.3 6.5#

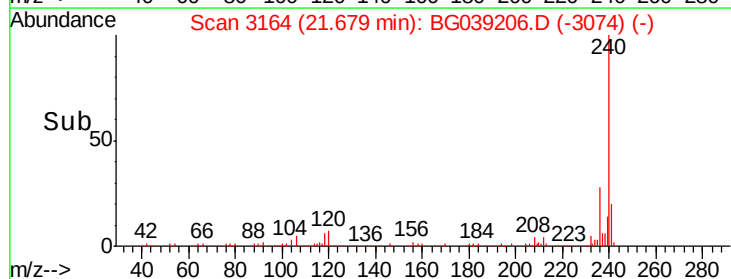
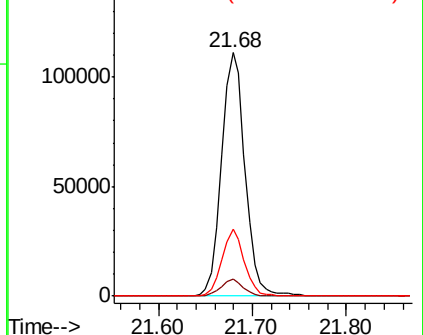
236 27.6 20.1 30.1

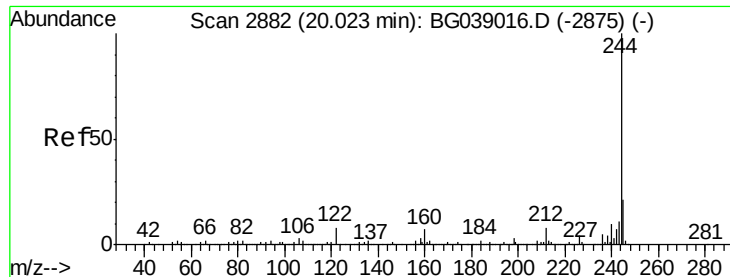


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 96.083 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

Instrument :

BNA\_G

ClientSampleId :

WC-05-011519

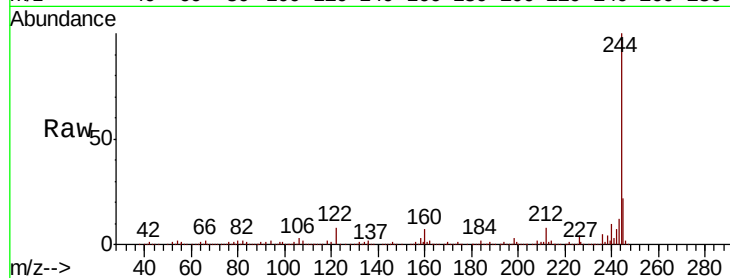
Tot Ion:244 Resp: 1003636

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

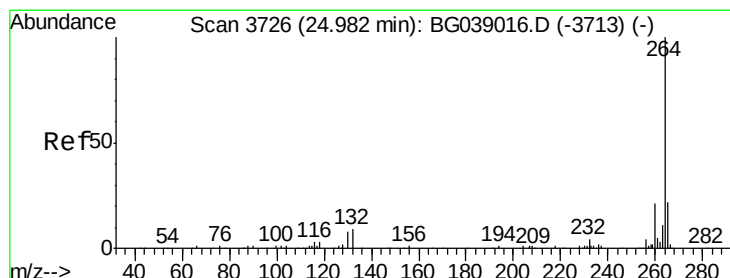
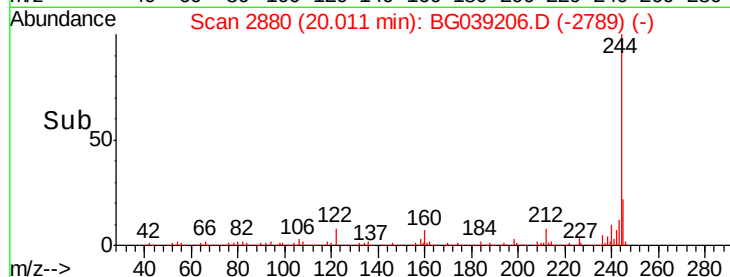
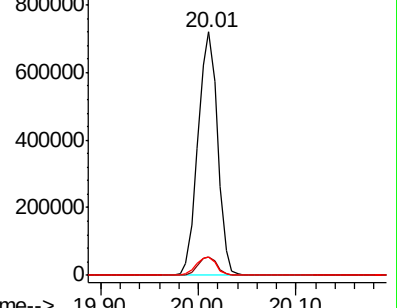
122 7.6 6.1 9.1



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: 24.95 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG039206.D

Acq: 18 Jan 2019 5:46

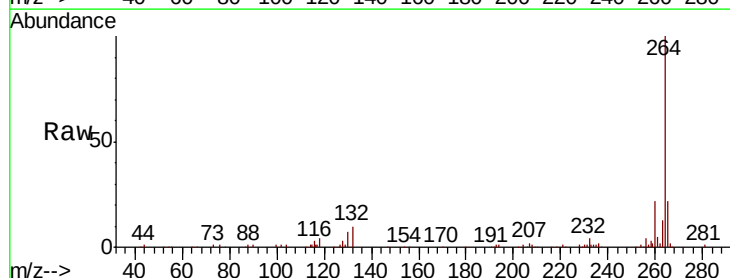
Tgt Ion:264 Resp: 213932

Ion Ratio Lower Upper

264 100

260 22.3 17.0 25.6

265 21.5 17.2 25.8



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

