

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\  
 Data File : BG039111.D  
 Acq On : 12 Jan 2019 9:49  
 Operator : JU/SJ  
 Sample : K1011-04  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-011019-B

Quant Time: Jan 14 10:30:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 09 14:23:53 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 23037    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 96096    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 77232    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 220305   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 207140   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.96 | 264  | 206484   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 189622   | 156.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 263700   | 150.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 194449   | 110.72 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 182934   | 141.30 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 514182   | 91.11  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1129463  | 100.87 | ng    | 0.00     |

Target Compounds Qvalue

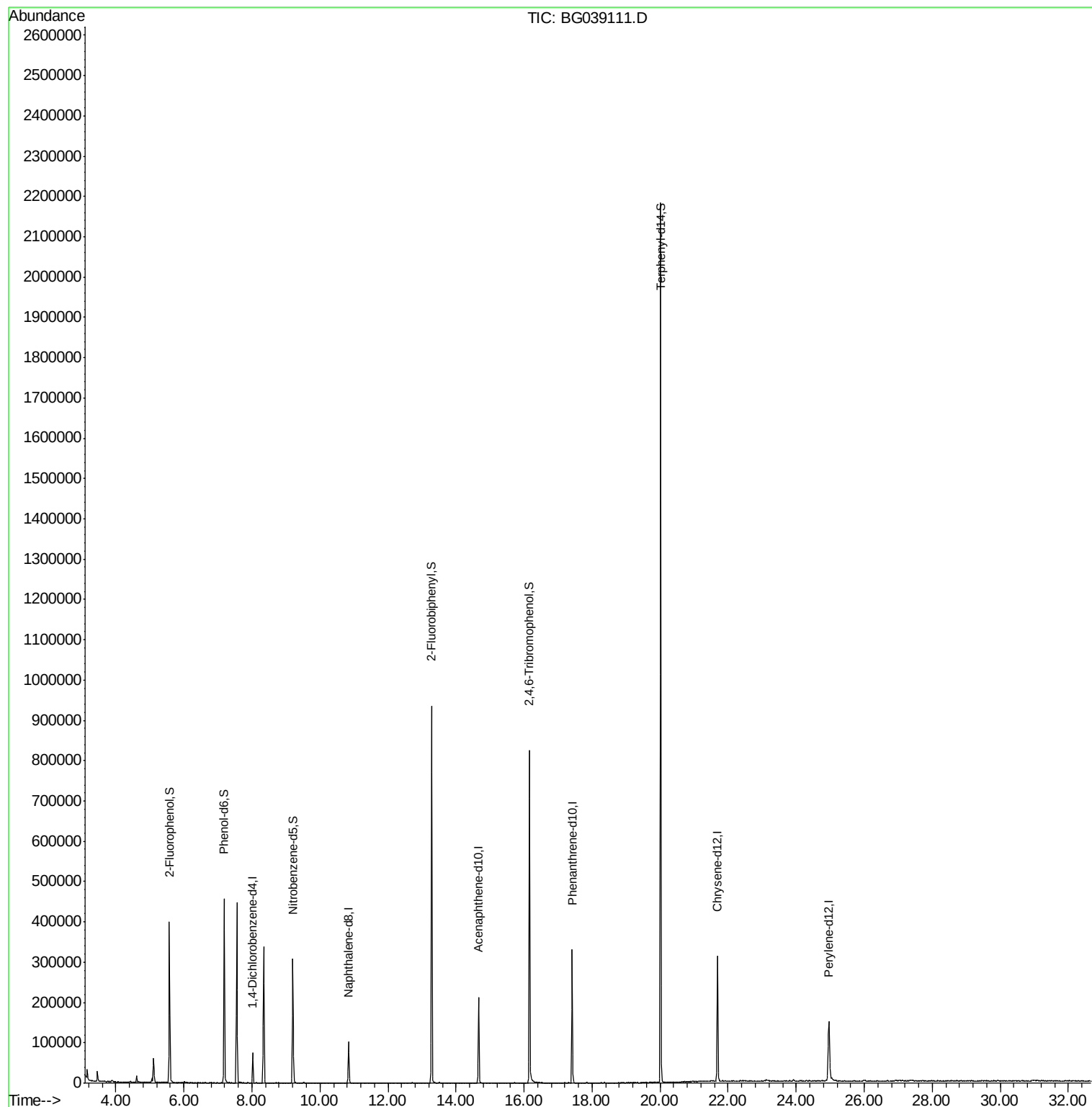
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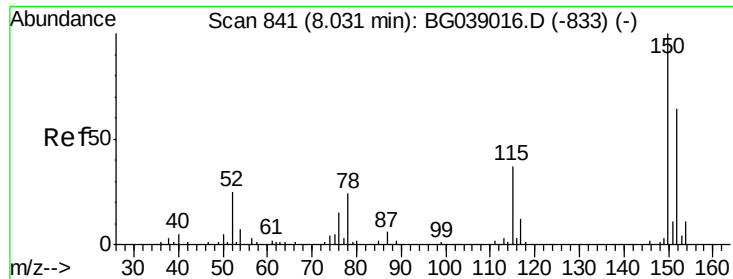
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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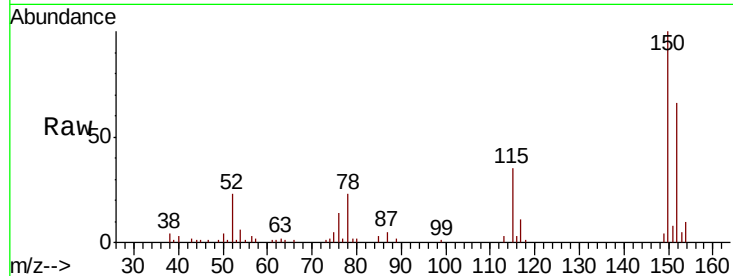


#1

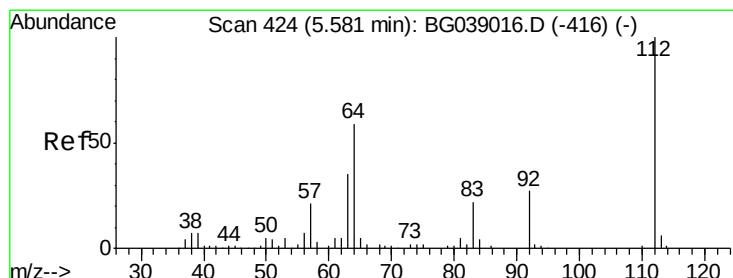
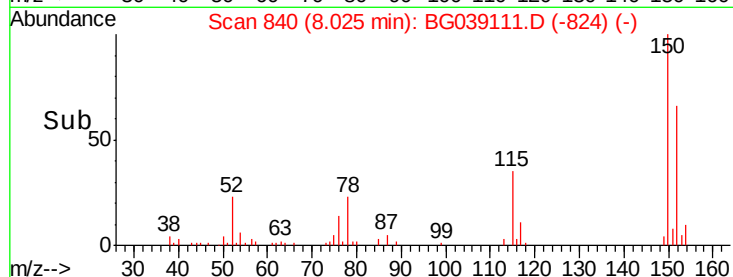
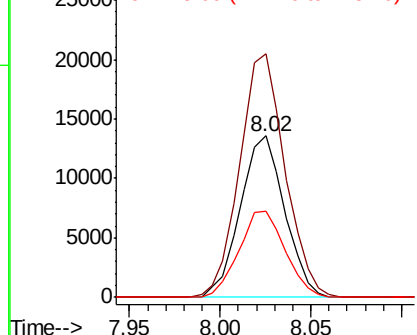
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BG039111.D  
Acq: 12 Jan 2019 9:49

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-011019-B

Tot Ion:152 Resp: 23037  
Ion Ratio Lower Upper  
152 100  
150 150.6 124.7 187.1  
115 53.4 46.5 69.7



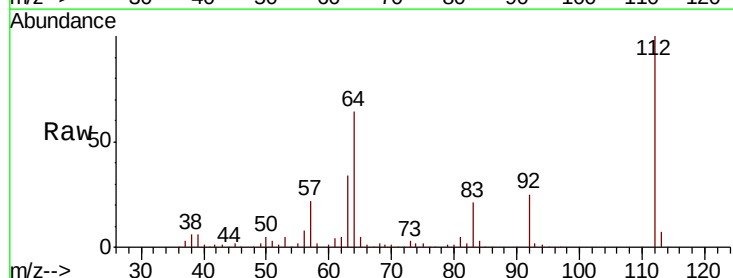
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



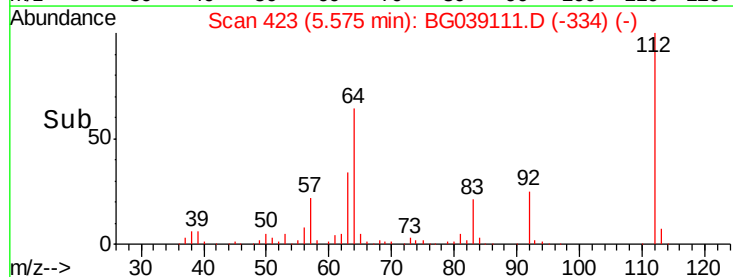
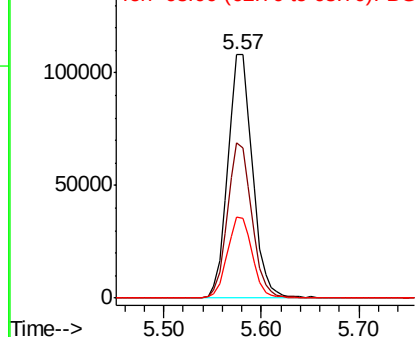
#5

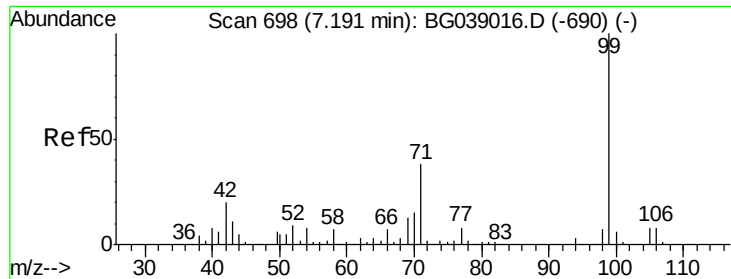
2-Fluorophenol  
Concen: 156.144 ng  
RT: 5.57 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: BG039111.D  
Acq: 12 Jan 2019 9:49

Tgt Ion:112 Resp: 189622  
Ion Ratio Lower Upper  
112 100  
64 63.7 47.0 70.6  
63 33.6 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: 150.885 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA\_G

ClientSampleId :

OR-02-011019-B

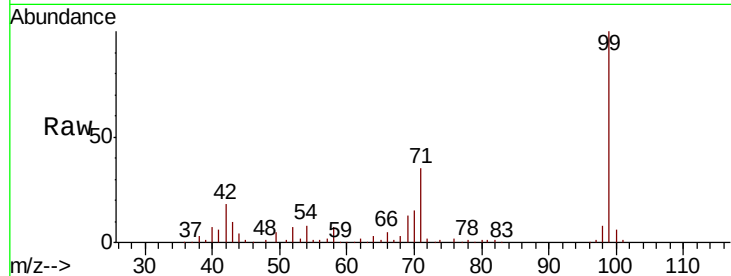
Tot Ion: 99 Resp: 263700

Ion Ratio Lower Upper

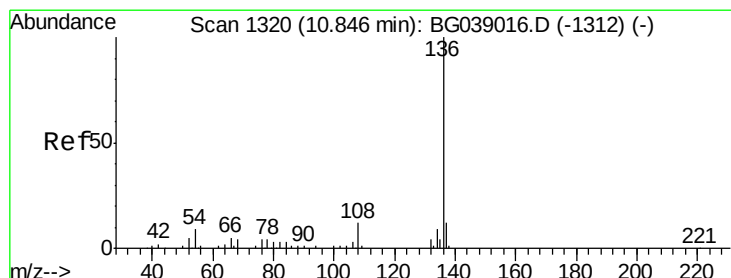
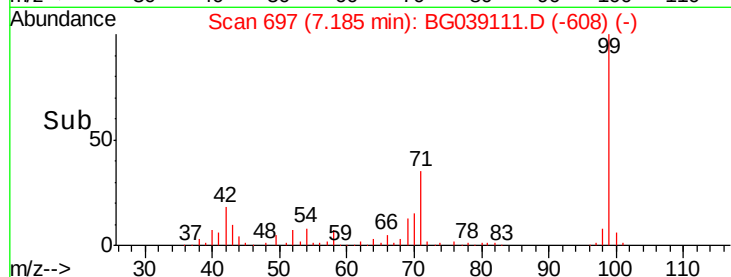
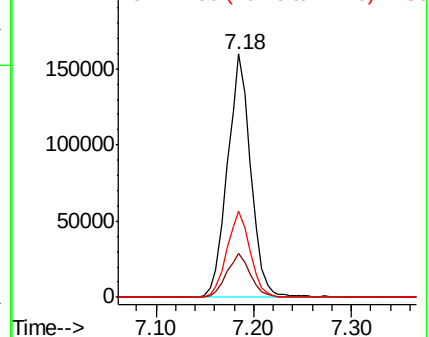
99 100

42 17.9 15.8 23.6

71 35.1 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: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Tgt Ion: 136 Resp: 96096

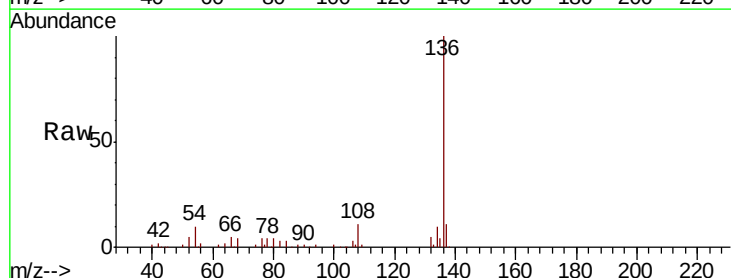
Ion Ratio Lower Upper

136 100

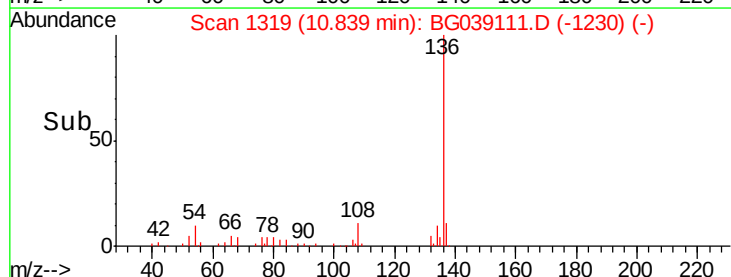
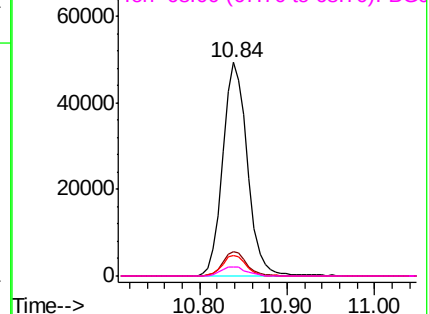
137 11.5 9.4 14.2

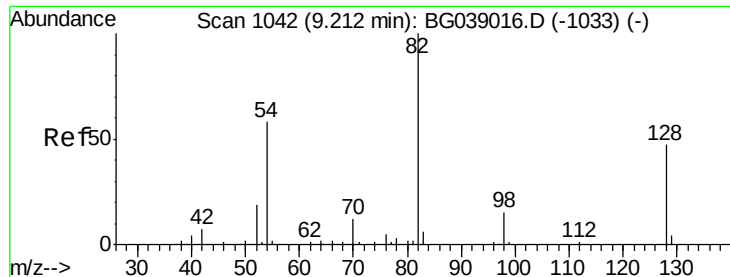
54 9.7 7.2 10.8

68 4.2 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

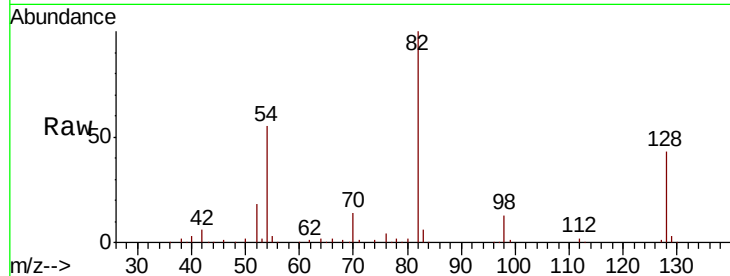




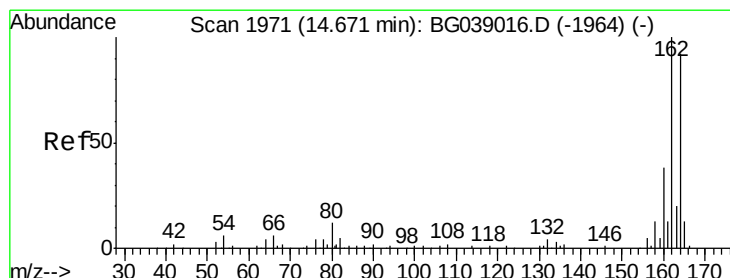
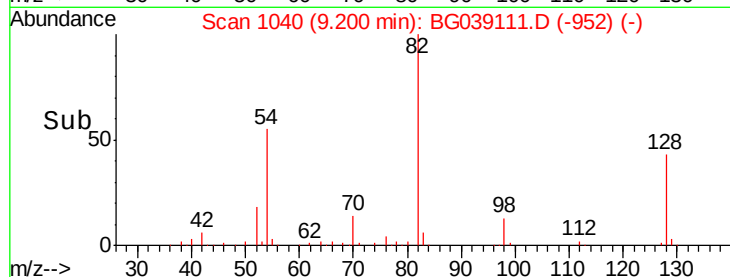
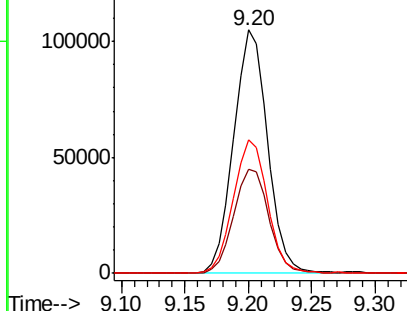
#23  
 Nitrobenzene-d5  
 Concen: 110.724 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.01 min  
 Lab File: BG039111.D  
 Acq: 12 Jan 2019 9:49

Instrument :  
 BNA\_G  
 ClientSampleID :  
 OR-02-011019-B

| Tot Ion   | 82   | Resp  | 194449 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.5 | 37.3  | 55.9   |
| 54        | 54.6 | 46.4  | 69.6   |

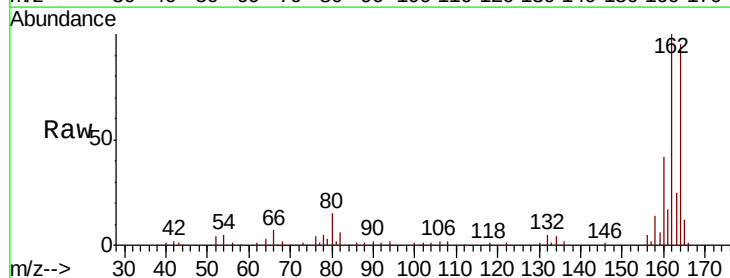


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

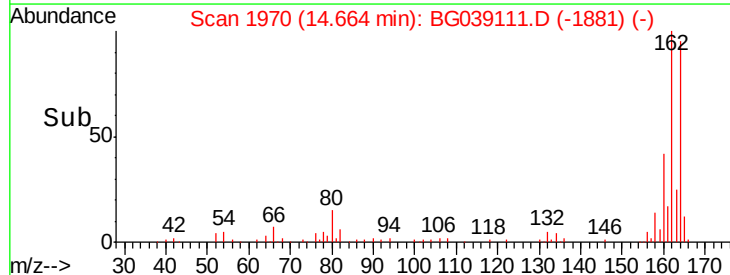
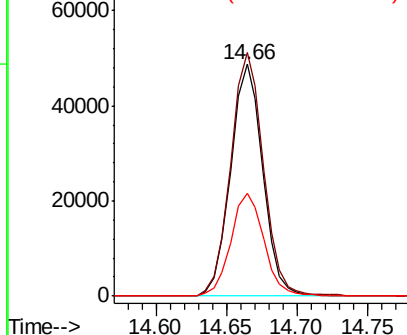


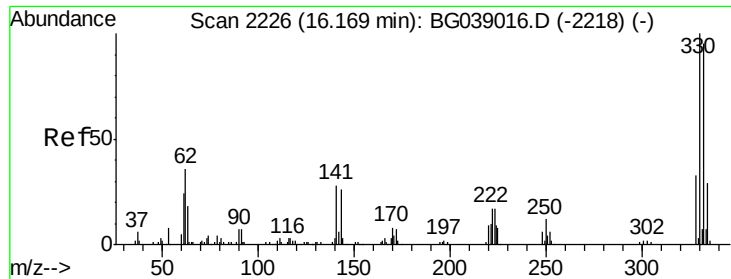
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. -0.01 min  
 Lab File: BG039111.D  
 Acq: 12 Jan 2019 9:49

| Tgt Ion   | 164   | Resp  | 77232 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 105.1 | 87.2  | 130.8 |
| 160       | 44.4  | 33.3  | 49.9  |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 141.303 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA\_G

ClientSampleId :

OR-02-011019-B

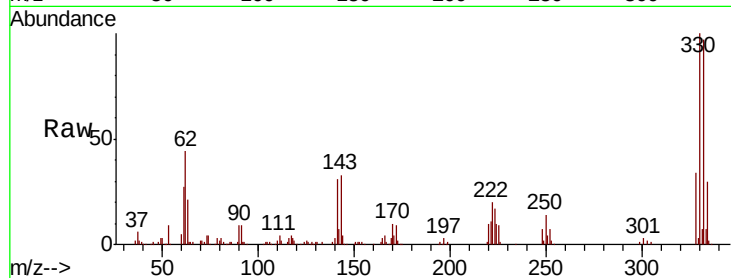
Tot Ion:330 Resp: 182934

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

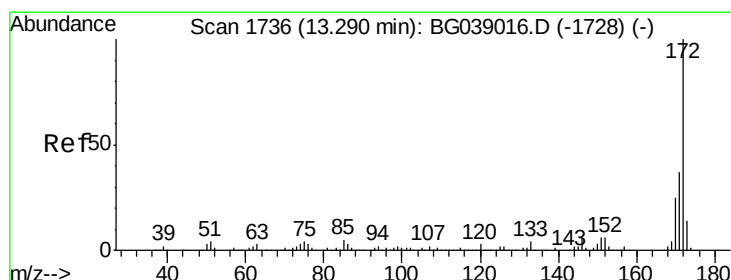
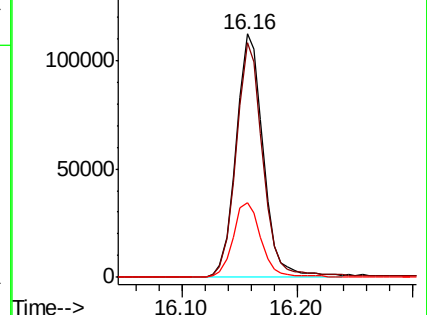
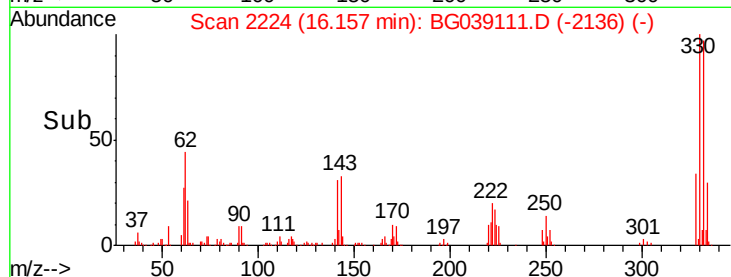
141 31.9 24.9 37.3



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: 91.114 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

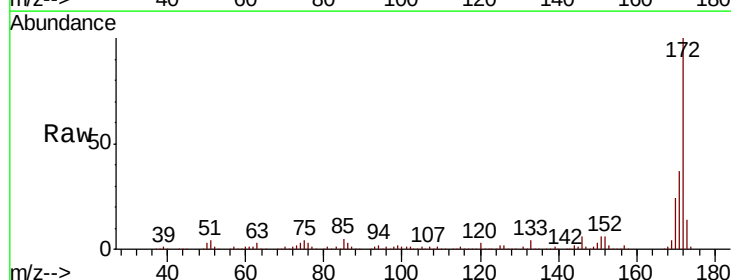
Tgt Ion:172 Resp: 514182

Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

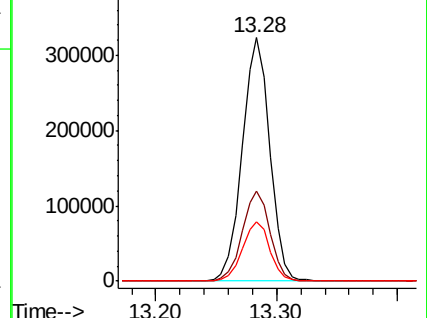
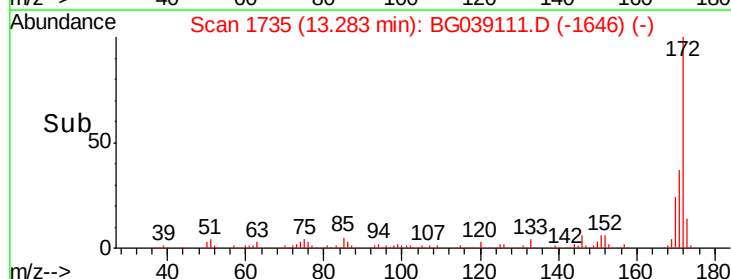
170 24.4 20.1 30.1

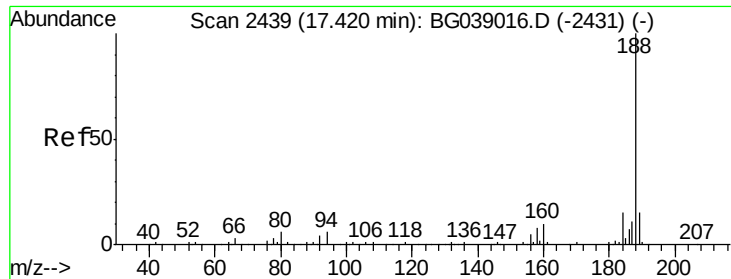


Abundance Ion 172.00 (171.70 to 172.70): E

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# 2438

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA\_G

ClientSampleId :

OR-02-011019-B

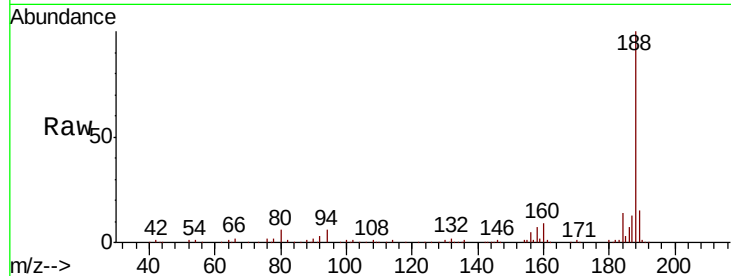
Tot Ion:188 Resp: 220305

Ion Ratio Lower Upper

188 100

94 6.1 5.0 7.4

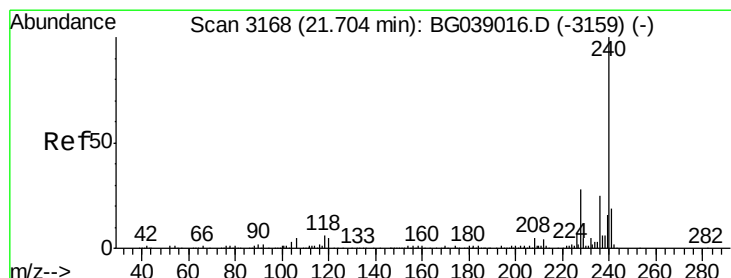
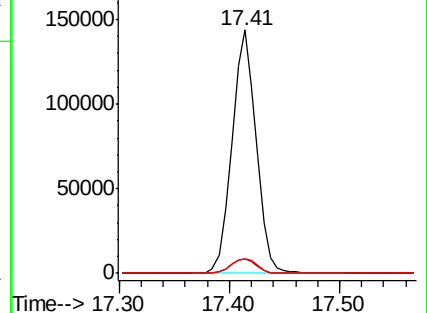
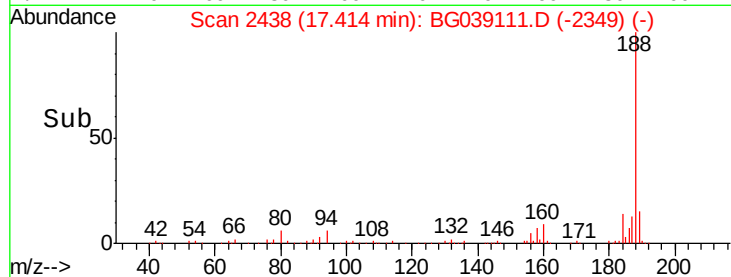
80 6.2 4.7 7.1



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: 21.69 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

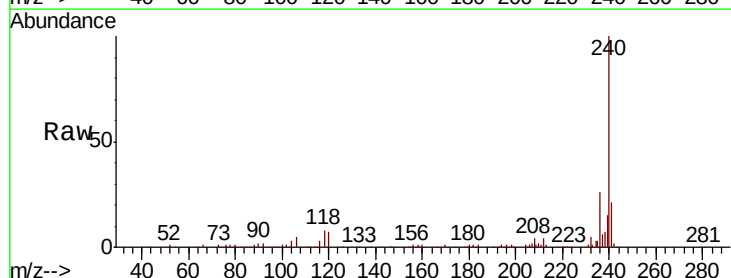
Tgt Ion:240 Resp: 207140

Ion Ratio Lower Upper

240 100

120 7.3 4.3 6.5#

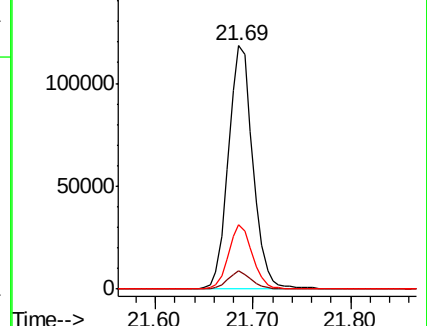
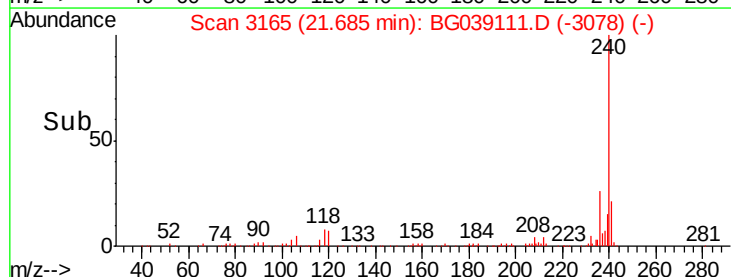
236 26.3 20.1 30.1

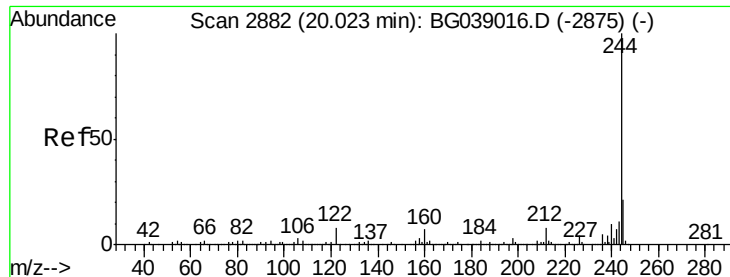


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 100.868 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA\_G

ClientSampleId :

OR-02-011019-B

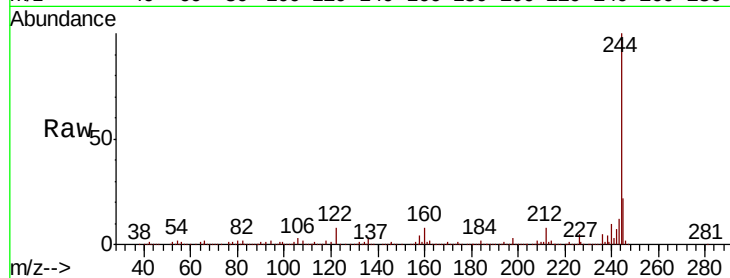
Tot Ion:244 Resp: 1129463

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

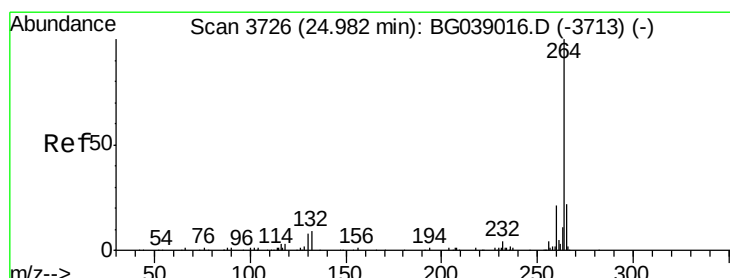
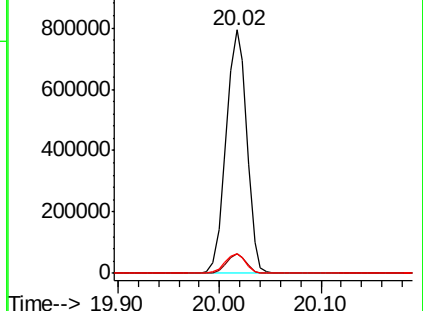
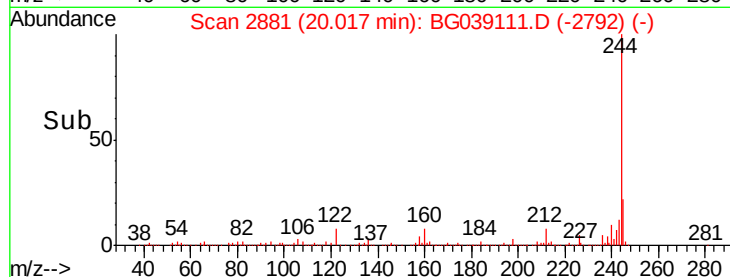
122 7.9 6.1 9.1



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: 24.96 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

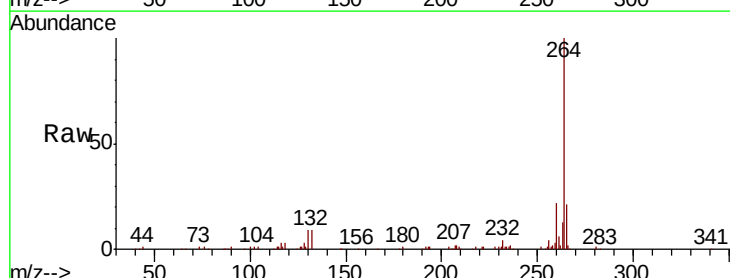
Tgt Ion:264 Resp: 206484

Ion Ratio Lower Upper

264 100

260 21.7 17.0 25.6

265 21.2 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

