

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
 Data File : BG039405.D  
 Acq On : 8 Feb 2019 6:47  
 Operator : JU/SJ  
 Sample : K1389-16  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M-5-D

Quant Time: Feb 09 00:54:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.18  | 152  | 55068    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 233287   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.80 | 164  | 153137   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.54 | 188  | 363217   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 392243   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.22 | 264  | 374352   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 458673   | 142.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 608174   | 128.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.36  | 82   | 423825   | 113.50 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 199598   | 121.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.43 | 172  | 986828   | 92.44  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.14 | 244  | 1619135  | 87.37  | ng    | -0.01    |

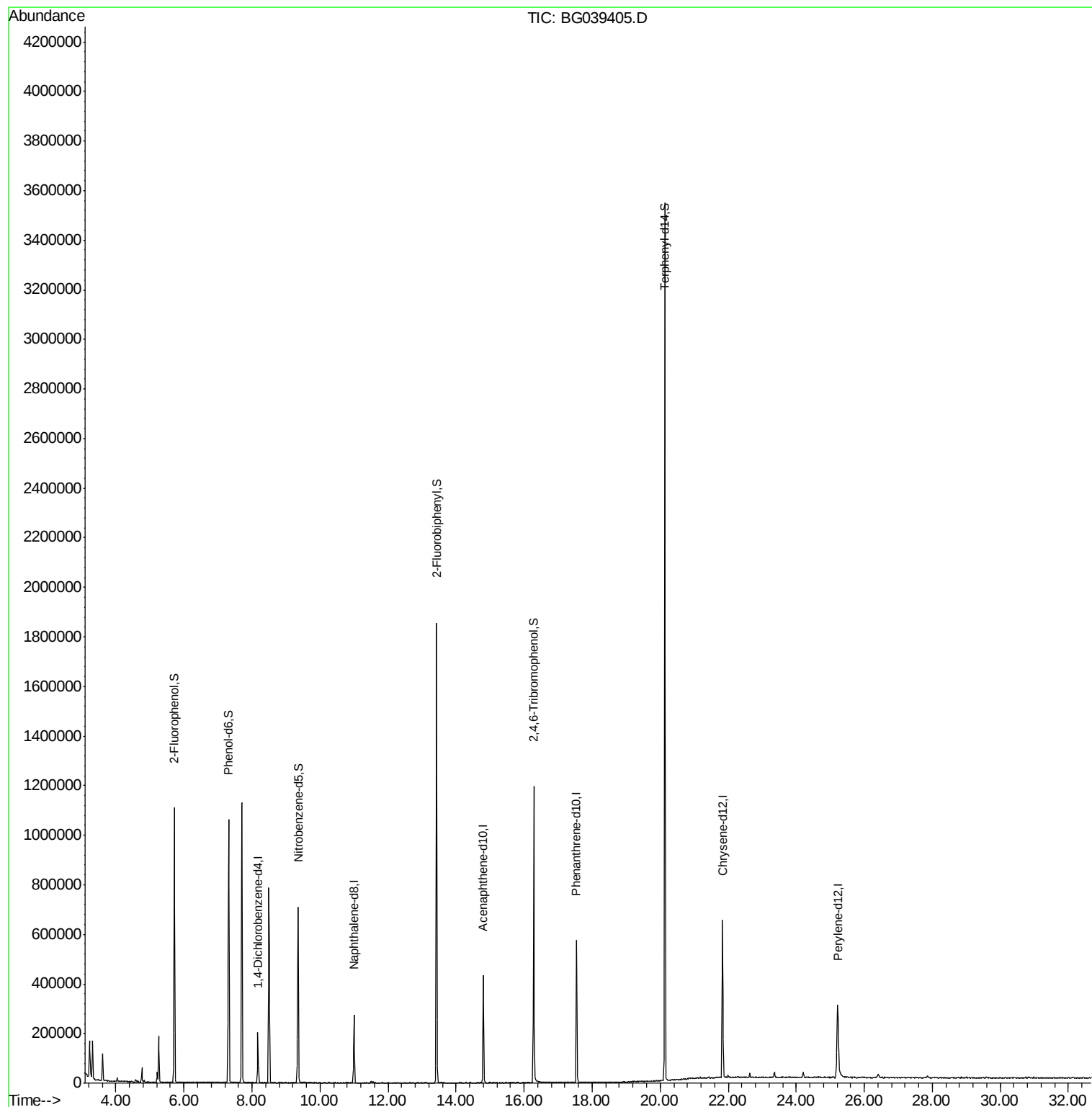
Target Compounds Qvalue

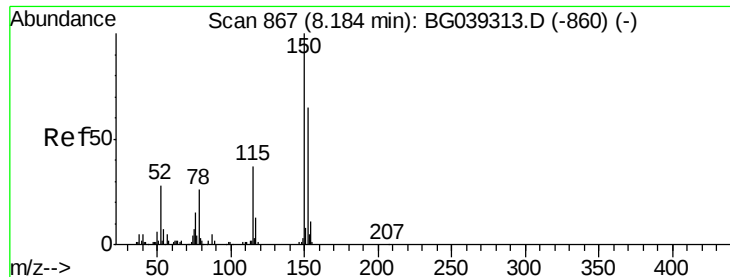
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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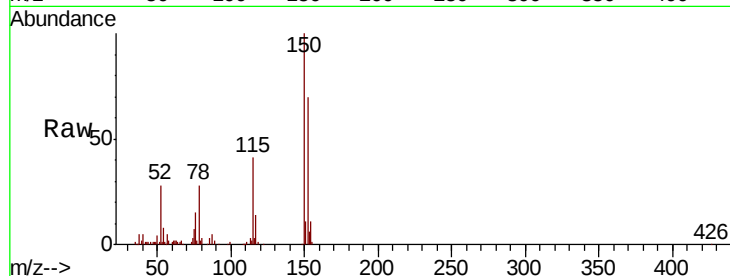


#1

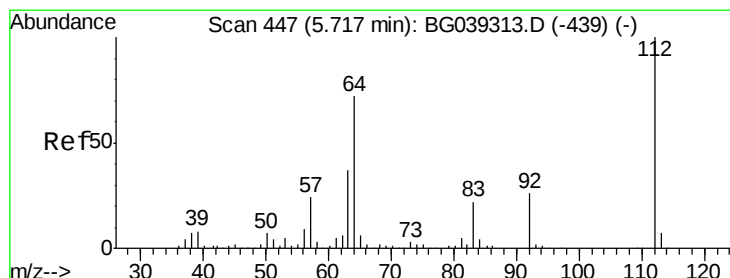
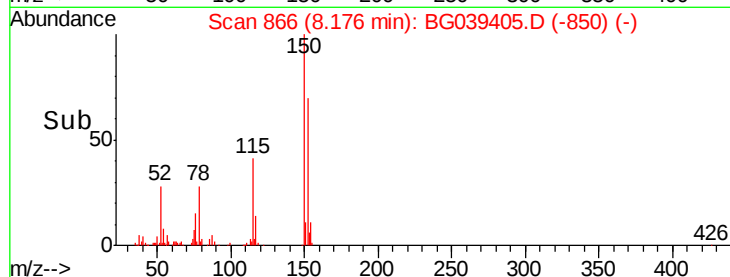
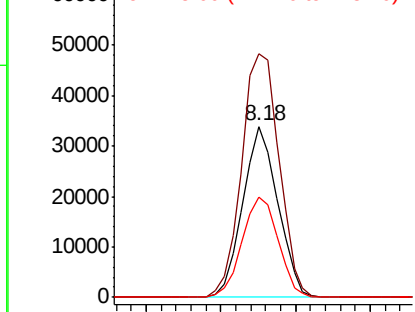
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BG039405.D  
Acq: 8 Feb 2019 6:47

Instrument :  
BNA\_G  
ClientSampleId :  
M-5-D

Tot Ion:152 Resp: 55068  
Ion Ratio Lower Upper  
152 100  
150 142.4 123.7 185.5  
115 58.3 45.9 68.9



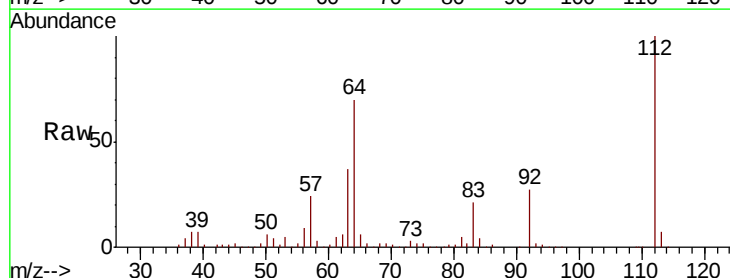
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



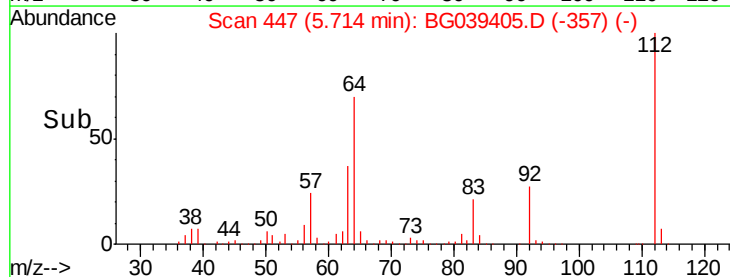
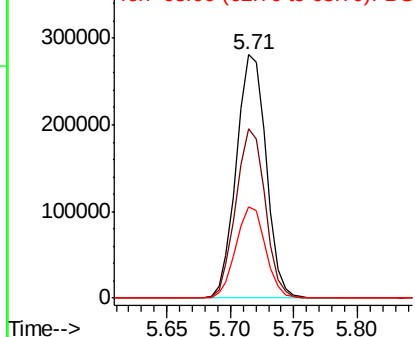
#5

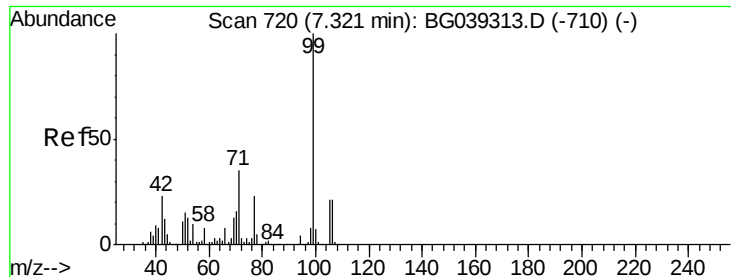
2-Fluorophenol  
Concen: 142.555 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039405.D  
Acq: 8 Feb 2019 6:47

Tgt Ion:112 Resp: 458673  
Ion Ratio Lower Upper  
112 100  
64 69.6 57.8 86.8  
63 37.3 29.8 44.6



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: 128.413 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA\_G

ClientSampleId :

M-5-D

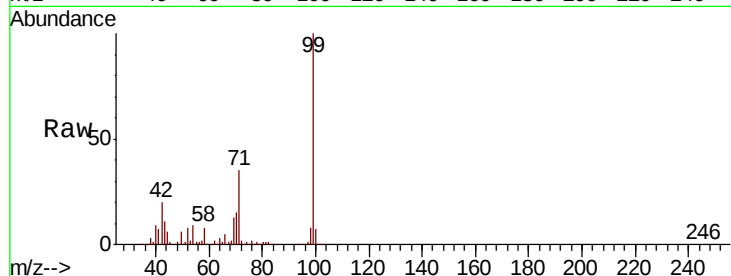
Tot Ion: 99 Resp: 608174

Ion Ratio Lower Upper

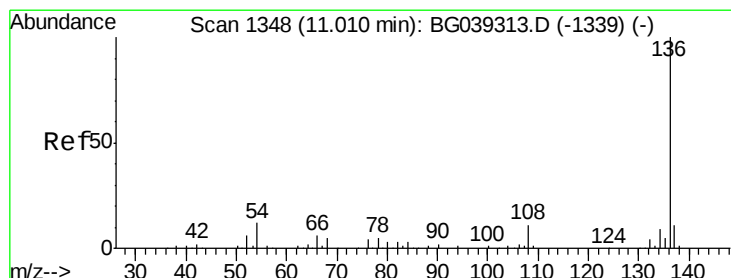
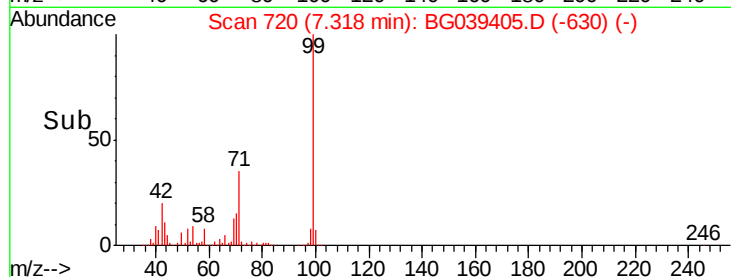
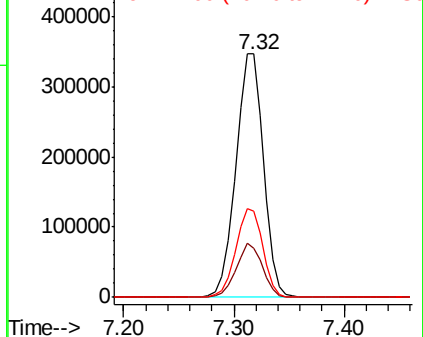
99 100

42 20.2 18.2 27.2

71 35.2 28.0 42.0



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: 11.00 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Tgt Ion: 136 Resp: 233287

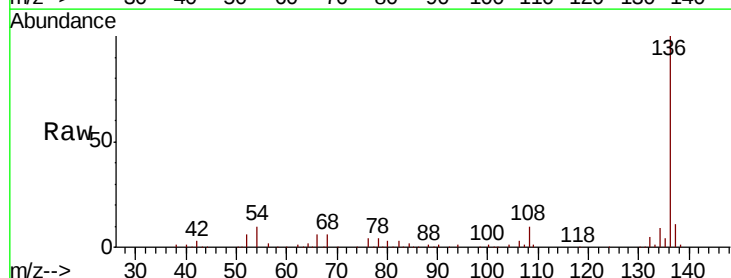
Ion Ratio Lower Upper

136 100

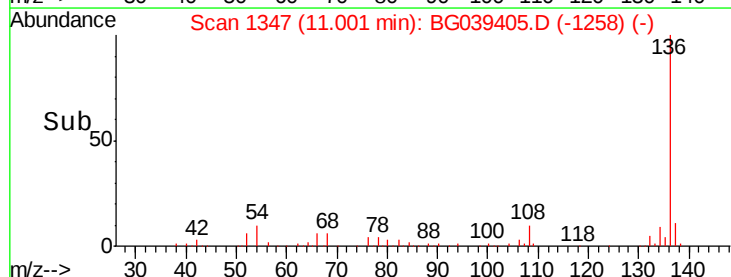
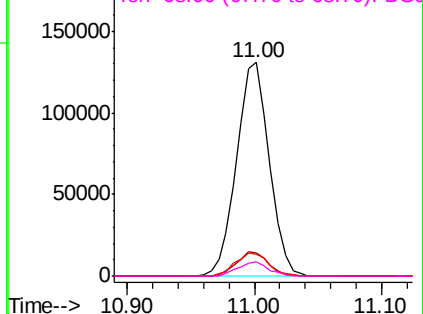
137 10.6 9.1 13.7

54 10.2 9.4 14.2

68 6.3 4.2 6.4



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

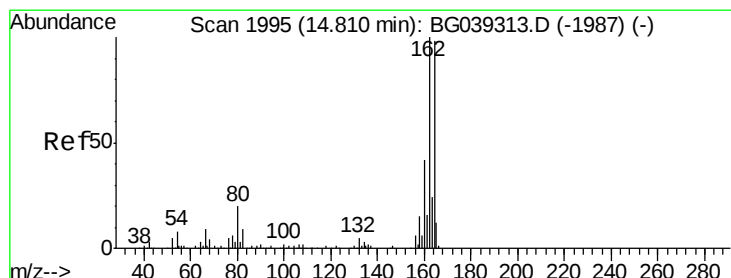
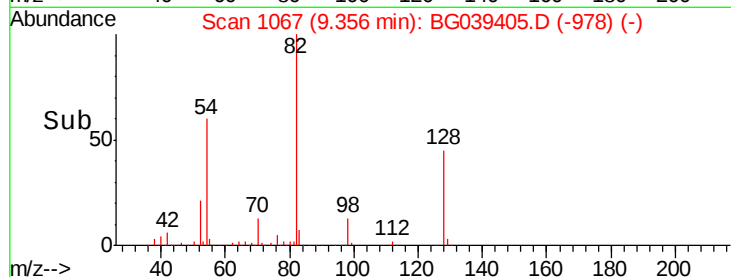
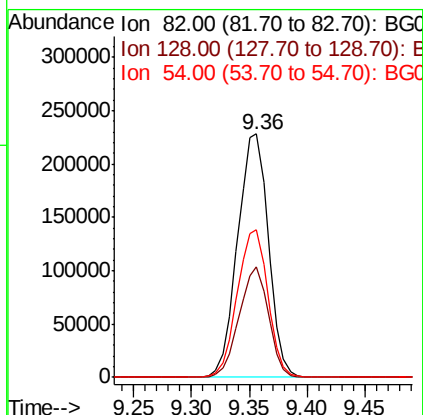
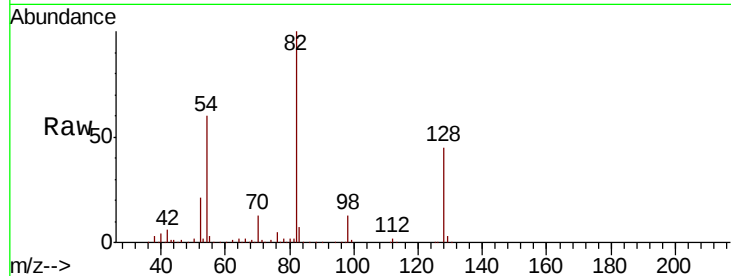




#23  
Nitrobenzene-d5  
Concen: 113.495 ng  
RT: 9.36 min Scan# 1067  
Delta R.T. -0.01 min  
Lab File: BG039405.D  
Acq: 8 Feb 2019 6:47

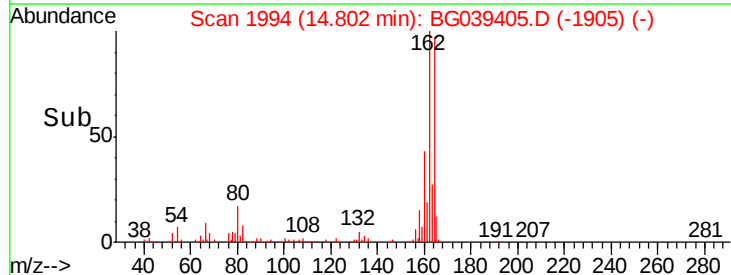
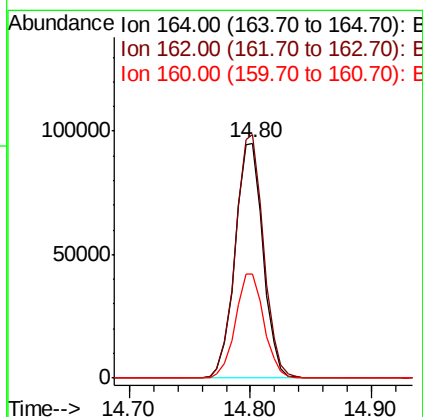
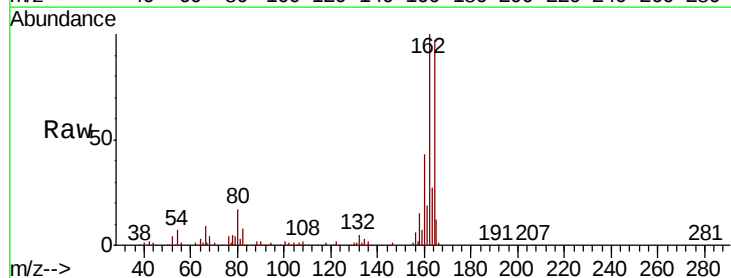
Instrument :  
BNA\_G  
ClientSampleId :  
M-5-D

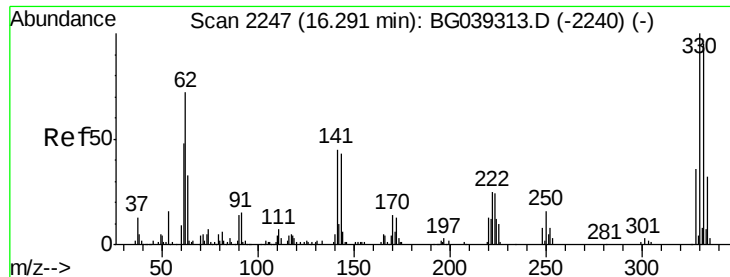
| Tot Ion   | 82    | Resp  | 423825 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.1  | 31.3  | 46.9   |
| 54        | 60.5  | 50.9  | 76.3   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BG039405.D  
Acq: 8 Feb 2019 6:47

| Tgt Ion   | 164   | Resp  | 153137 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.6 | 81.6  | 122.4  |
| 160       | 44.4  | 34.2  | 51.2   |





#42

2,4,6-Tribromophenol

Concen: 121.040 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA\_G

ClientSampleId :

M-5-D

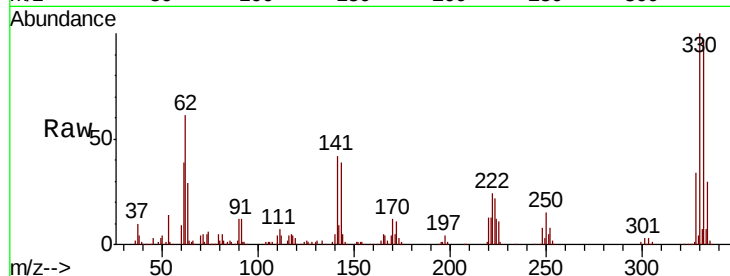
Tot Ion:330 Resp: 199598

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

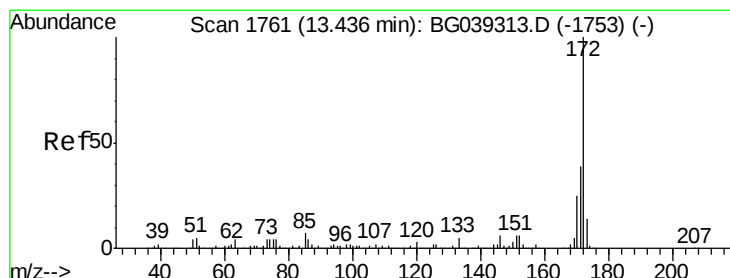
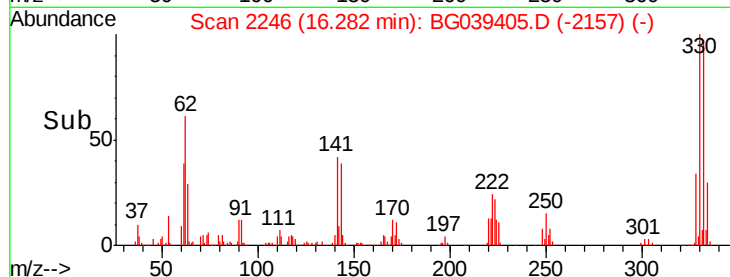
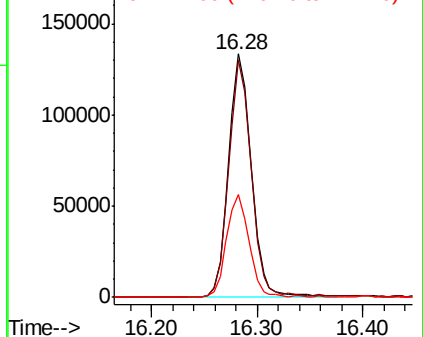
141 42.2 35.6 53.4



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: 92.444 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

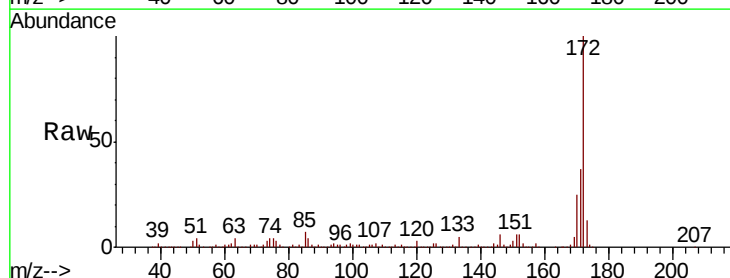
Tgt Ion:172 Resp: 986828

Ion Ratio Lower Upper

172 100

171 37.1 30.8 46.2

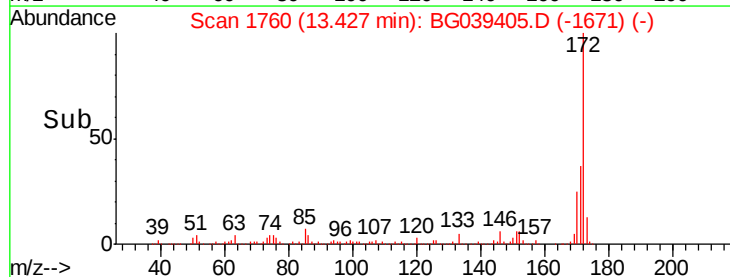
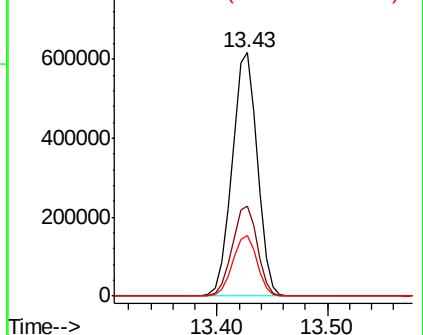
170 24.8 20.2 30.4

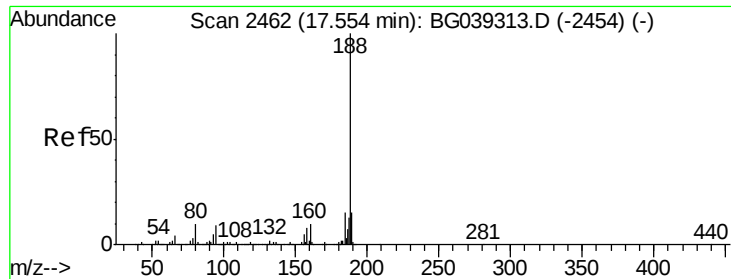


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

Instrument :

BNA\_G

ClientSampleId :

M-5-D

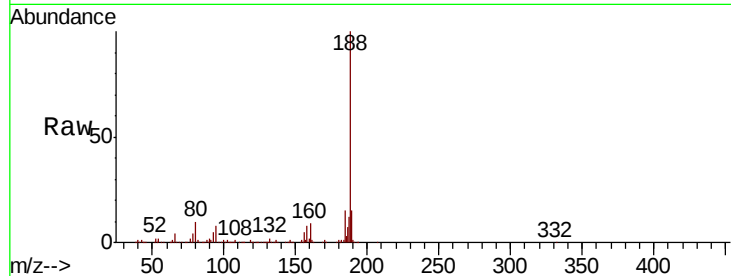
Tot Ion:188 Resp: 363217

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

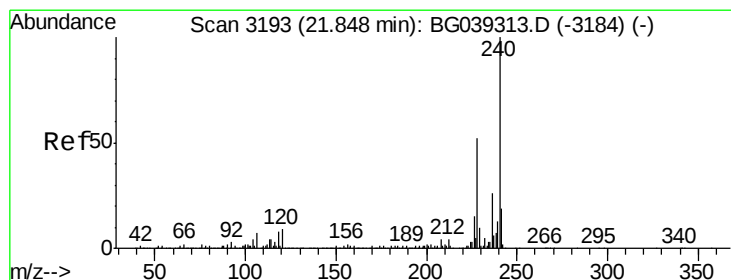
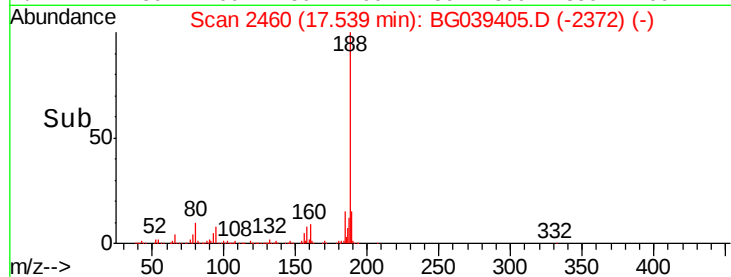
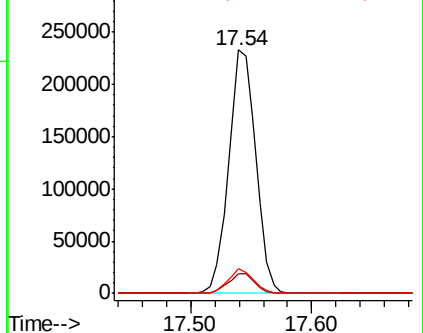
80 10.0 8.1 12.1



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: 21.83 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BG039405.D

Acq: 8 Feb 2019 6:47

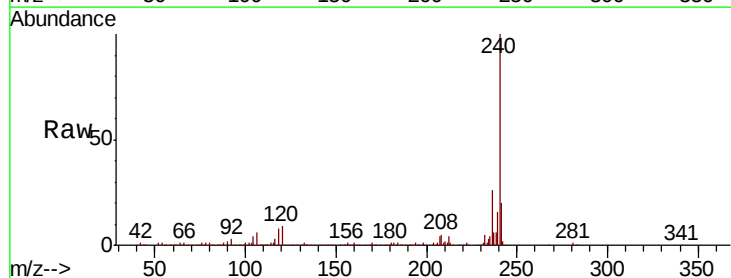
Tgt Ion:240 Resp: 392243

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

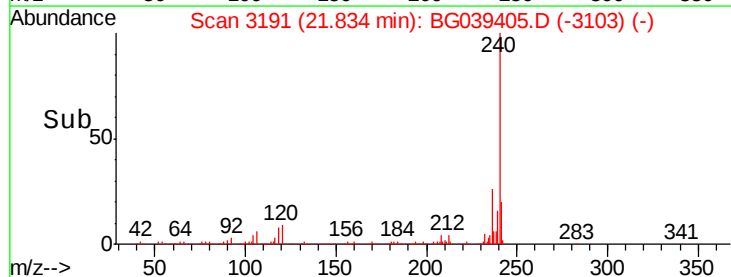
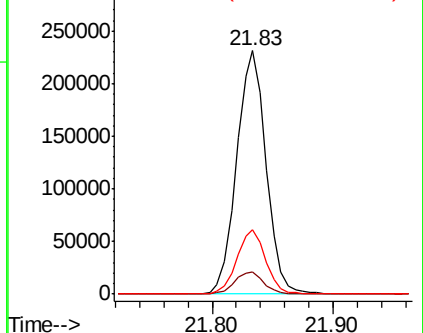
236 26.4 21.0 31.4

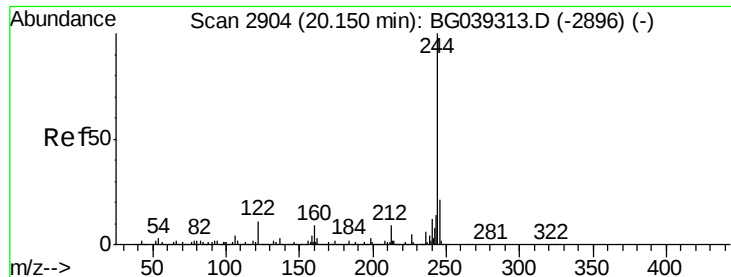


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



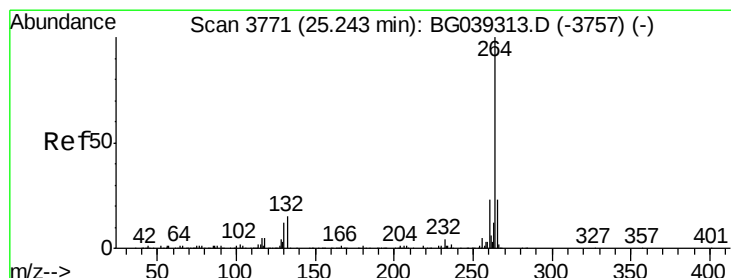
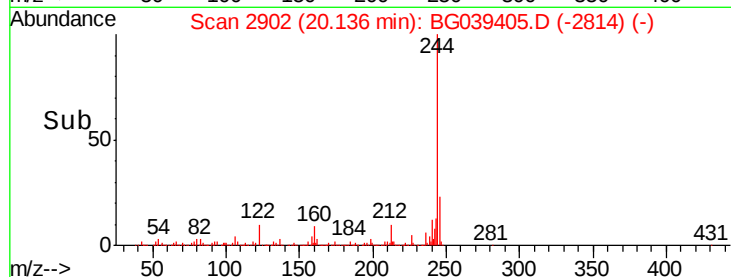
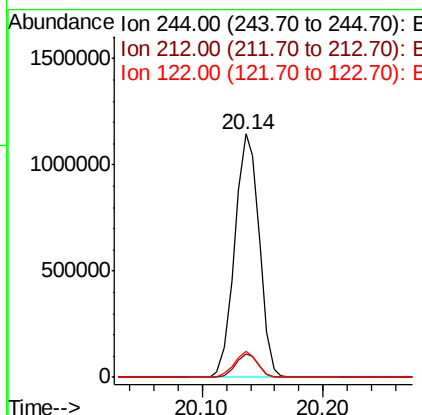
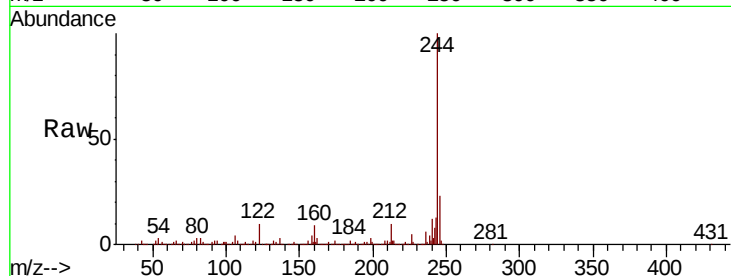


#79  
 Terphenyl-d14  
 Concen: 87.375 ng  
 RT: 20.14 min Scan# 2902  
 Delta R.T. -0.01 min  
 Lab File: BG039405.D  
 Acq: 8 Feb 2019 6:47

Instrument :  
 BNA\_G  
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 M-5-D

Tot Ion:244 Resp: 1619135  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.9   | 7.3   | 10.9  |
| 122 | 10.5  | 8.4   | 12.6  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.22 min Scan# 3768  
 Delta R.T. -0.02 min  
 Lab File: BG039405.D  
 Acq: 8 Feb 2019 6:47

Tgt Ion:264 Resp: 374352  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.0  | 18.2  | 27.4  |
| 265 | 20.2  | 18.5  | 27.7  |

