

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
 Data File : BG039387.D  
 Acq On : 7 Feb 2019 18:20  
 Operator : JU/SJ  
 Sample : K1389-21  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M-7

Quant Time: Feb 08 23:54:47 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  | 53581    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 227967   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.80 | 164  | 151022   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.54 | 188  | 361465   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 382749   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.21 | 264  | 378139   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 245913   | 78.55  | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 229025   | 49.70  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 410356   | 112.45 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 240090   | 147.63 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.43 | 172  | 991647   | 94.20  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.14 | 244  | 1552077  | 85.83  | ng    | -0.01    |

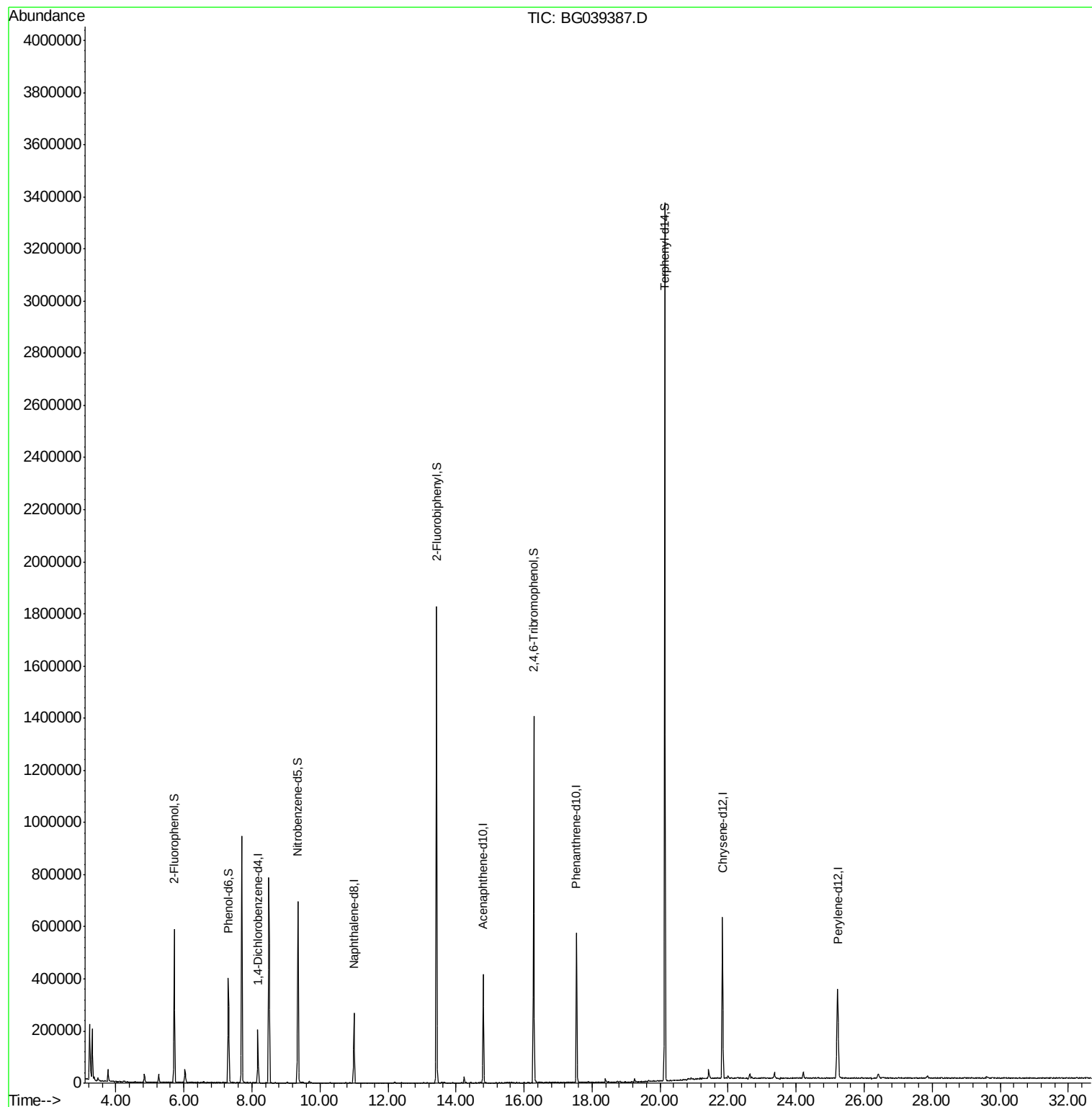
Target Compounds Qvalue

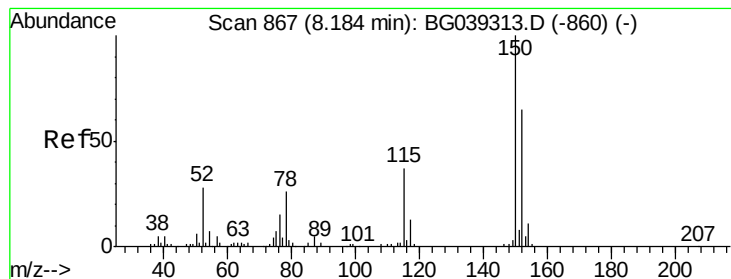
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA\_G

ClientSampleId :

M-7

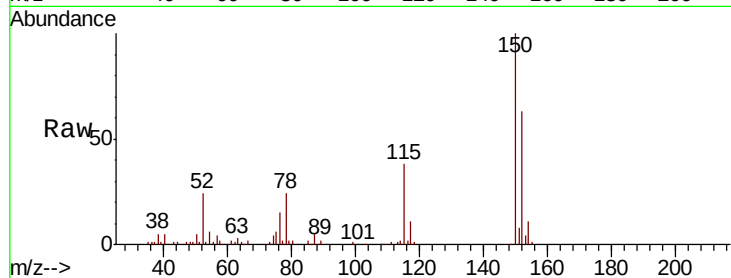
Tot Ion:152 Resp: 53581

Ion Ratio Lower Upper

152 100

150 159.2 123.7 185.5

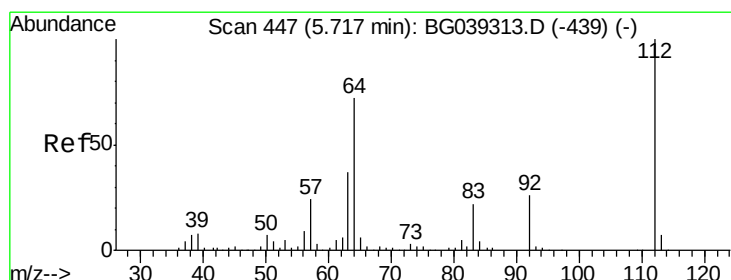
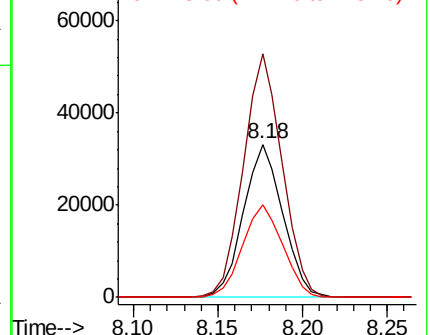
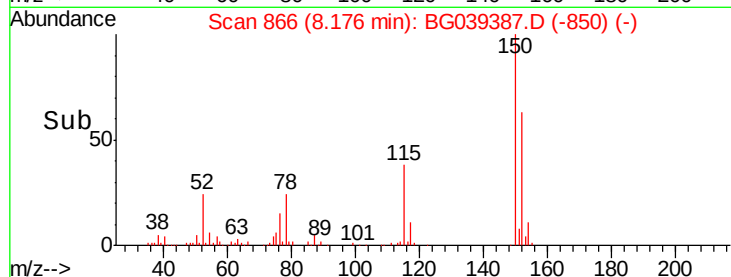
115 60.2 45.9 68.9



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: 78.551 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

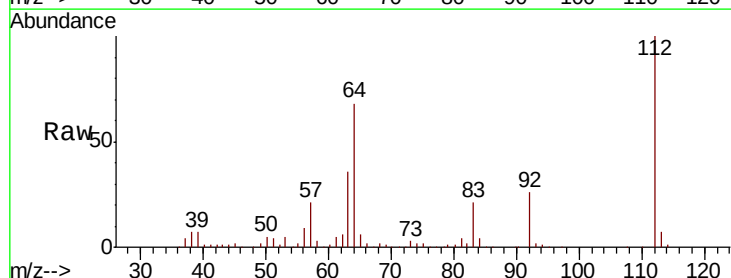
Tgt Ion:112 Resp: 245913

Ion Ratio Lower Upper

112 100

64 68.1 57.8 86.8

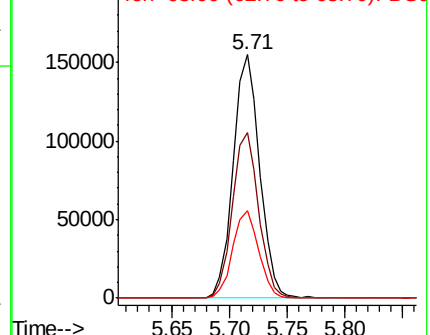
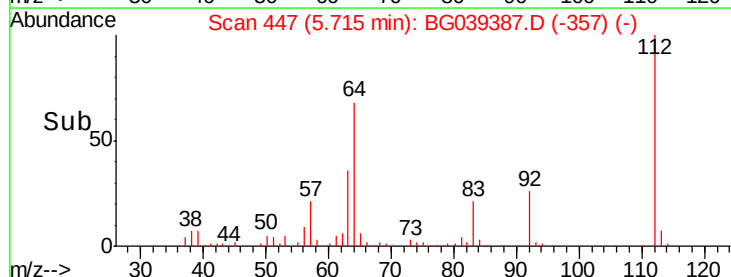
63 35.8 29.8 44.6

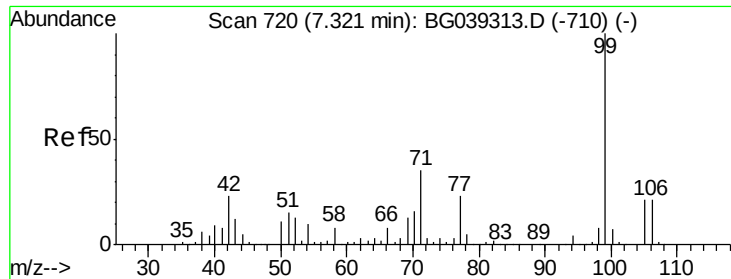


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 49.699 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA\_G

ClientSampleId :

M-7

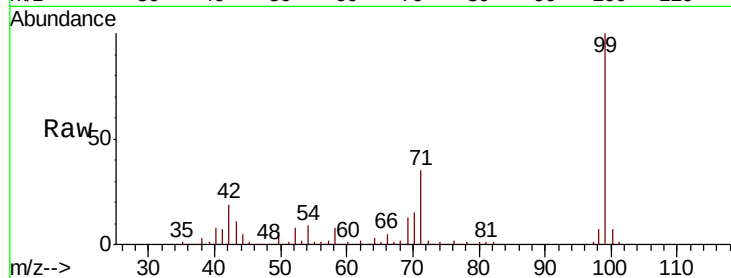
Tot Ion: 99 Resp: 229025

Ion Ratio Lower Upper

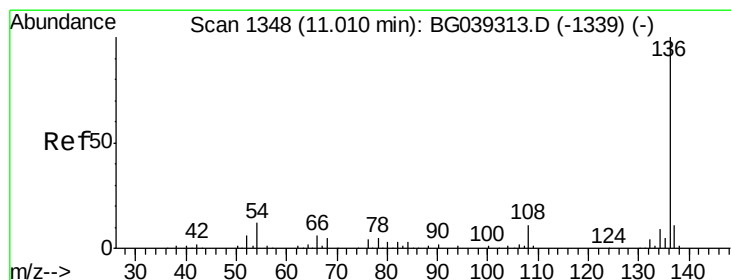
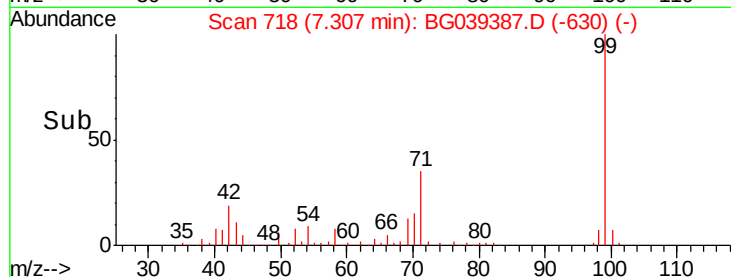
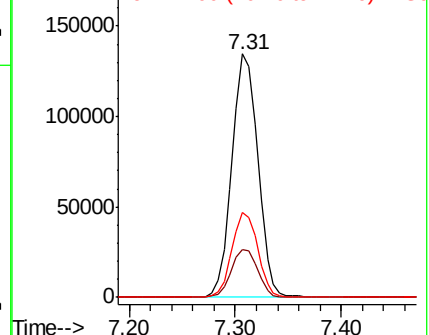
99 100

42 19.4 18.2 27.2

71 34.9 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: BG039387.D

Acq: 7 Feb 2019 18:20

Tgt Ion: 136 Resp: 227967

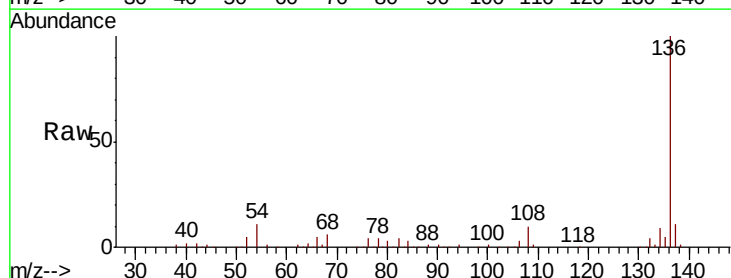
Ion Ratio Lower Upper

136 100

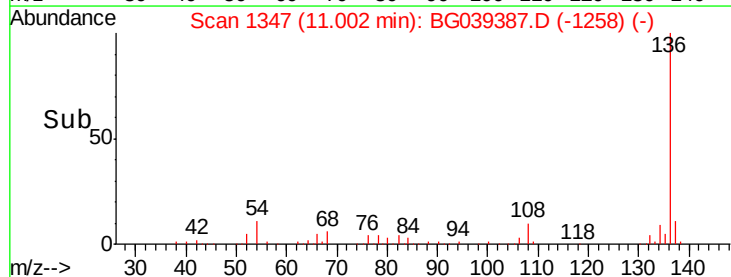
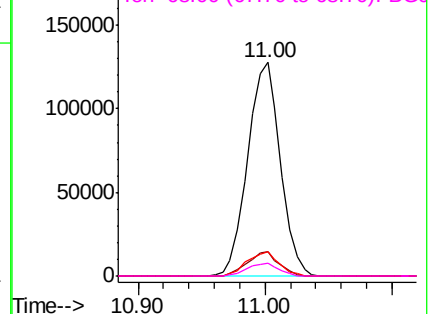
137 11.4 9.1 13.7

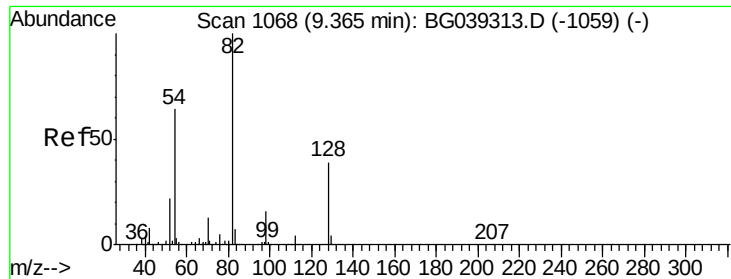
54 11.3 9.4 14.2

68 5.8 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

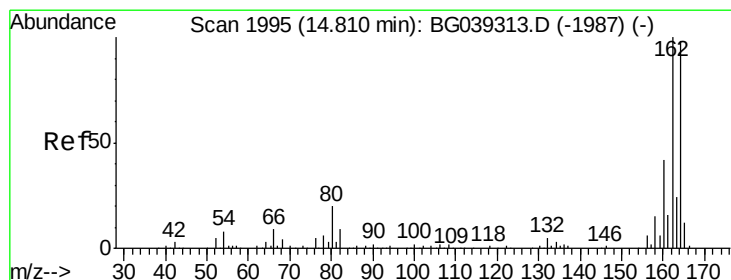
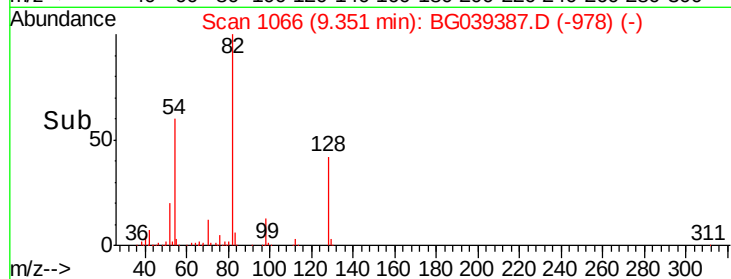
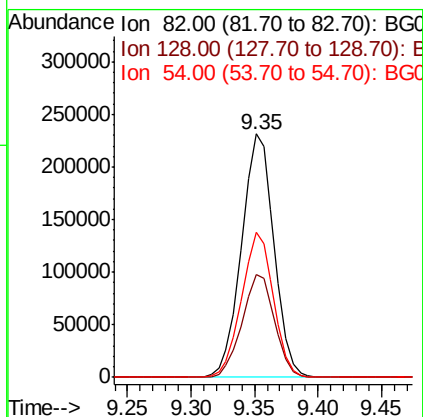
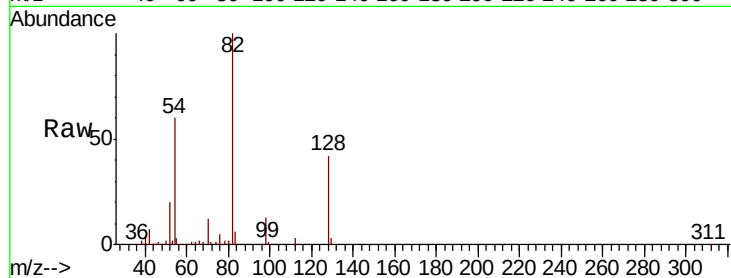




#23  
 Nitrobenzene-d5  
 Concen: 112.453 ng  
 RT: 9.35 min Scan# 1066  
 Delta R.T. -0.01 min  
 Lab File: BG039387.D  
 Acq: 7 Feb 2019 18:20

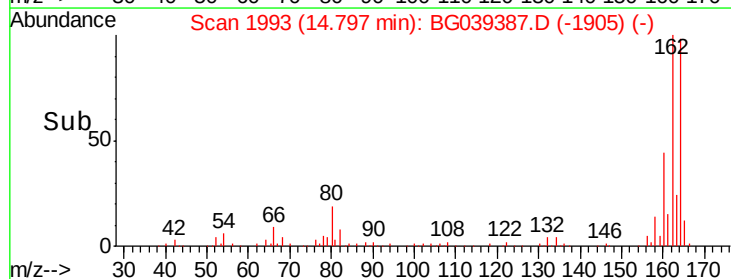
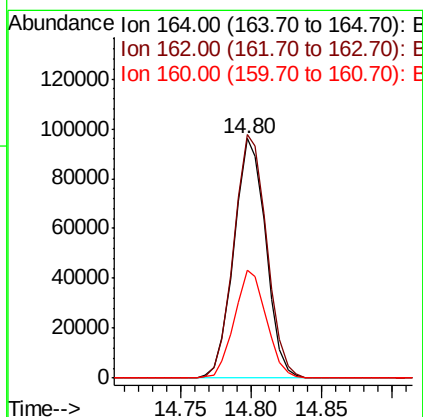
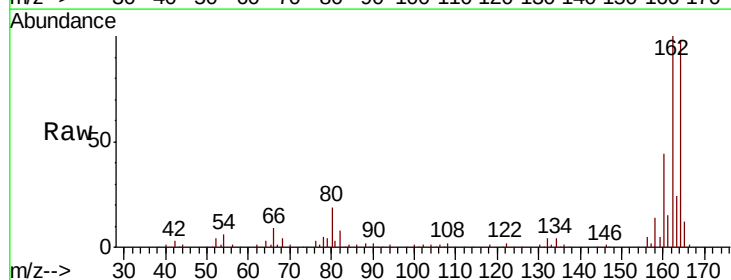
Instrument :  
 BNA\_G  
 ClientSampled :  
 M-7

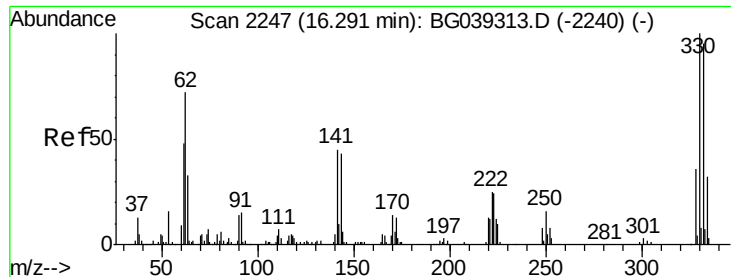
| Tot Ion   | 82.00 | Resp  | 410356 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 31.3  | 46.9   |
| 54        | 59.7  | 50.9  | 76.3   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.80 min Scan# 1993  
 Delta R.T. -0.01 min  
 Lab File: BG039387.D  
 Acq: 7 Feb 2019 18:20

| Tgt Ion   | 164.00 | Resp  | 151022 |
|-----------|--------|-------|--------|
| Ion Ratio | Lower  | Upper |        |
| 164       | 100    |       |        |
| 162       | 101.6  | 81.6  | 122.4  |
| 160       | 44.9   | 34.2  | 51.2   |





#42

2,4,6-Tribromophenol

Concen: 147.634 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA\_G

ClientSampleId :

M-7

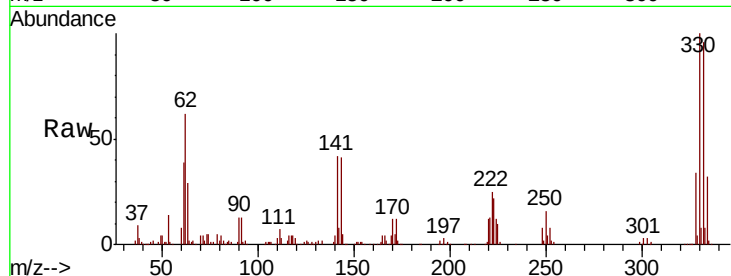
Tot Ion:330 Resp: 240090

Ion Ratio Lower Upper

330 100

332 94.6 75.7 113.5

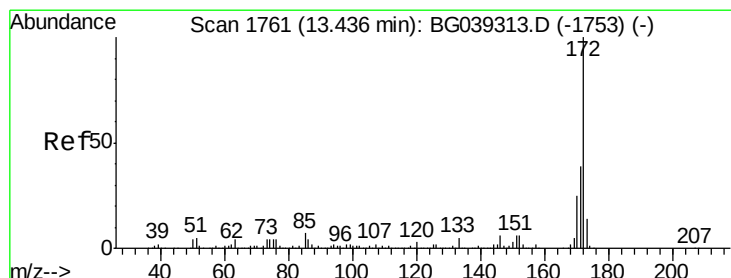
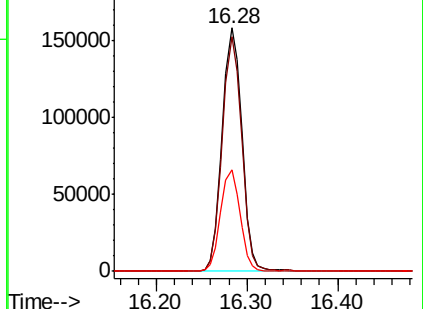
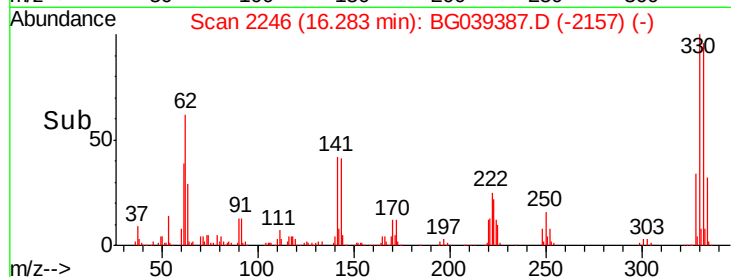
141 41.2 35.6 53.4



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: 94.196 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

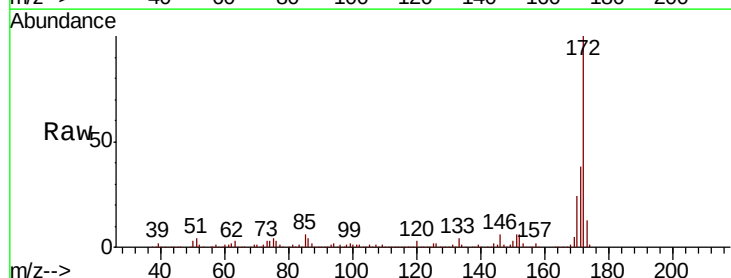
Tgt Ion:172 Resp: 991647

Ion Ratio Lower Upper

172 100

171 38.3 30.8 46.2

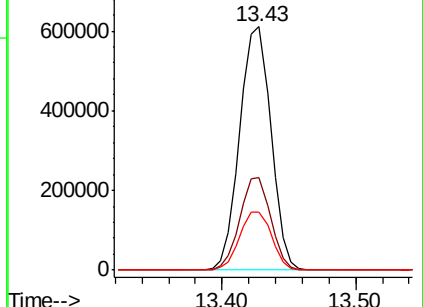
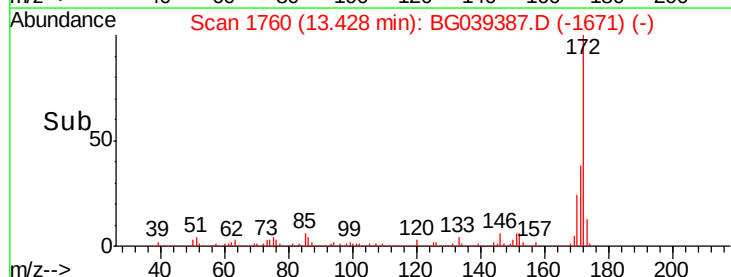
170 24.1 20.2 30.4

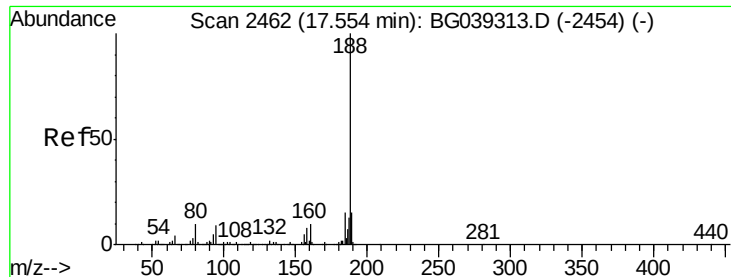


Abundance Ion 172.00 (171.70 to 172.70): E

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: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA\_G

ClientSampleId :

M-7

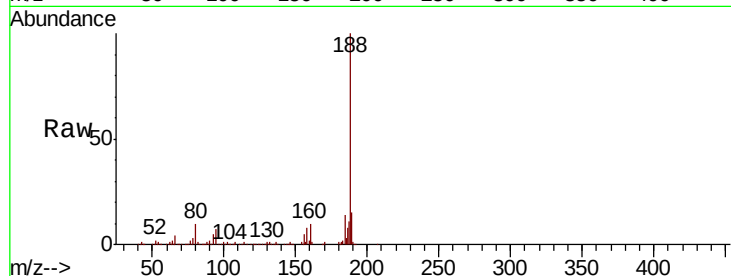
Tot Ion:188 Resp: 361465

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

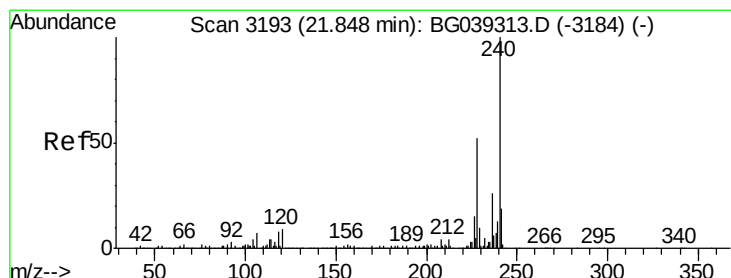
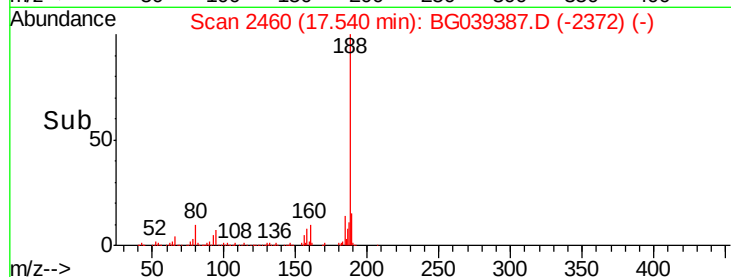
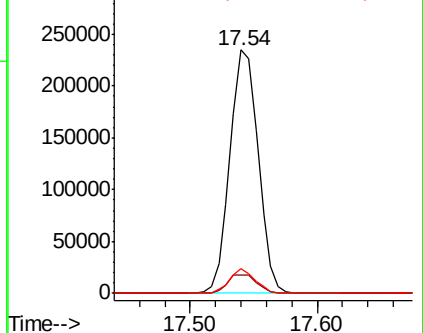
80 10.2 8.1 12.1



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: BG039387.D

Acq: 7 Feb 2019 18:20

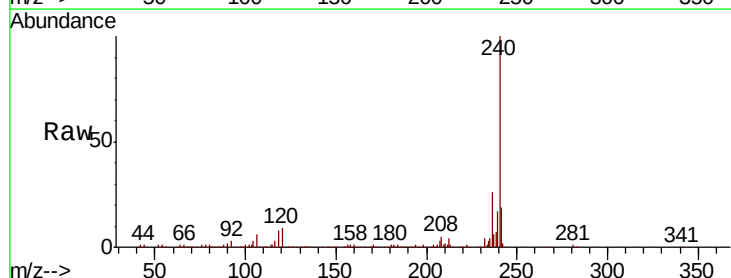
Tgt Ion:240 Resp: 382749

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

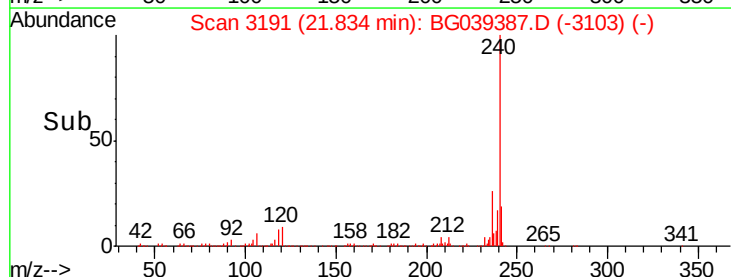
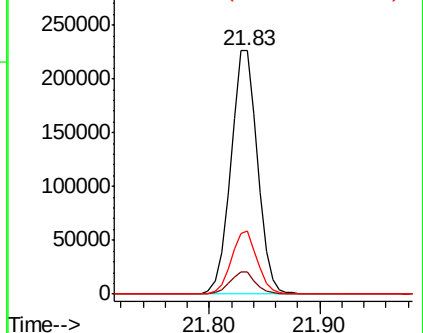
236 26.1 21.0 31.4

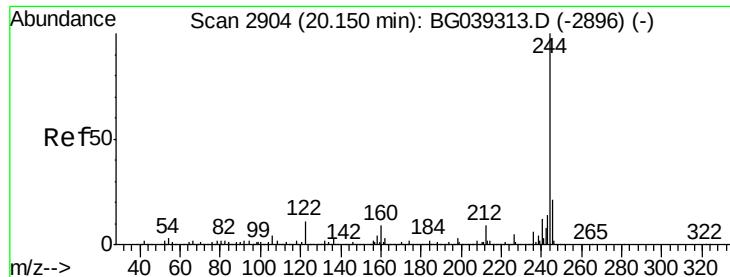


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.833 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA\_G

ClientSampleId :

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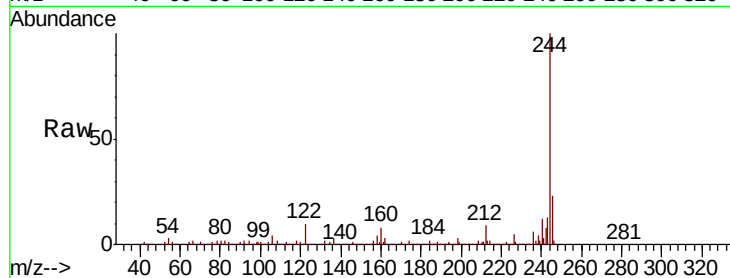
Tot Ion:244 Resp: 1552077

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.2   | 7.3   | 10.9  |
| 122 | 10.1  | 8.4   | 12.6  |

244 100

212 9.2 7.3 10.9

122 10.1 8.4 12.6

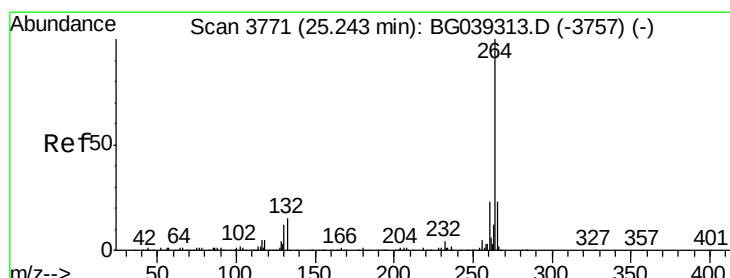
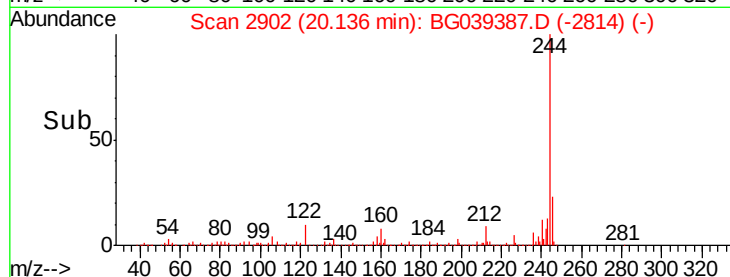
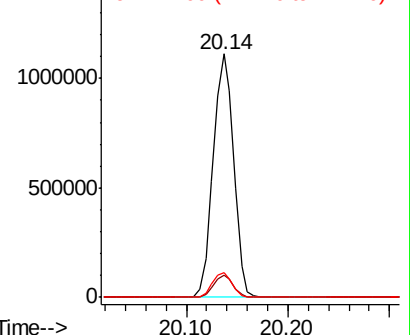


Abundance

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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

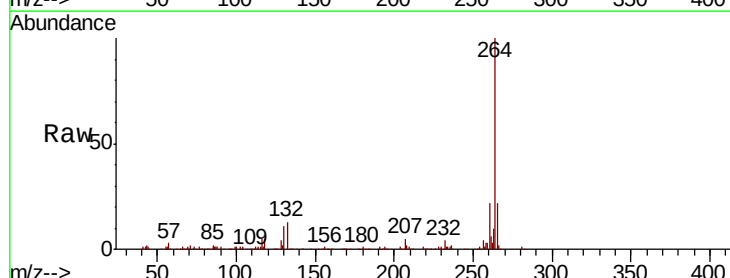
Tgt Ion:264 Resp: 378139

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.0  | 18.2  | 27.4  |
| 265 | 22.2  | 18.5  | 27.7  |

264 100

260 22.0 18.2 27.4

265 22.2 18.5 27.7



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

