

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012519\  
 Data File : BG039302.D  
 Acq On : 26 Jan 2019 8:27  
 Operator : JU/SJ  
 Sample : K1229-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 012319-TIPC-F-D-B

Quant Time: Jan 28 04:06:50 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

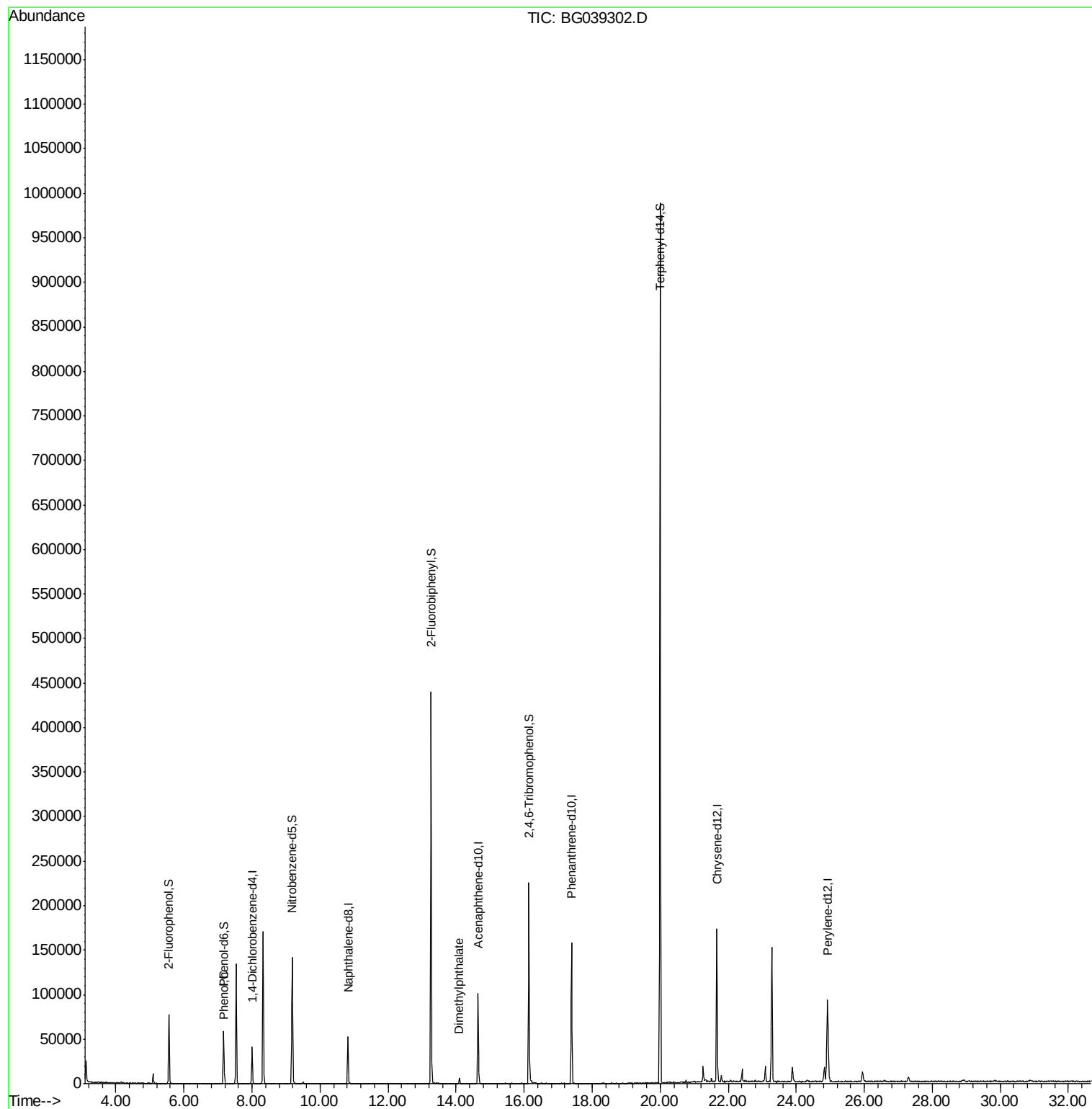
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 13075    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.82 | 136  | 51069    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 38194    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.39 | 188  | 102933   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.67 | 240  | 118662   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 24.92 | 264  | 119227   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 37129    | 53.87 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 37259    | 37.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 86364    | 92.54 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 54010    | 84.36 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 246699   | 88.40 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 502244   | 78.30 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.19  | 94   | 2462     | 2.476 | ng    | 91       |
| 50) Dimethylphthalate       | 14.10 | 163  | 6718     | 2.081 | ng    | # 94     |

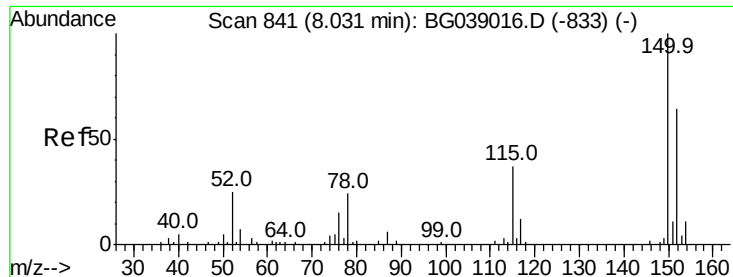
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012519\  
Data File : BG039302.D  
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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
012319-TIPC-F-D-B

Quant Time: Jan 28 04:06:50 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



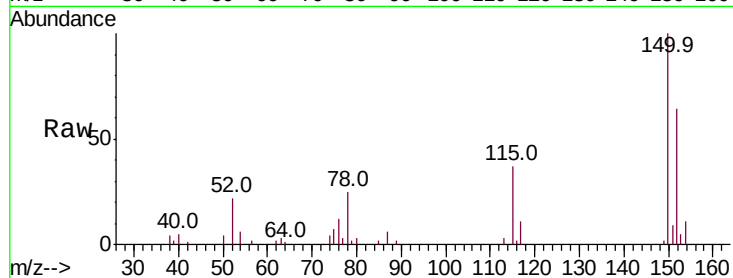


#1

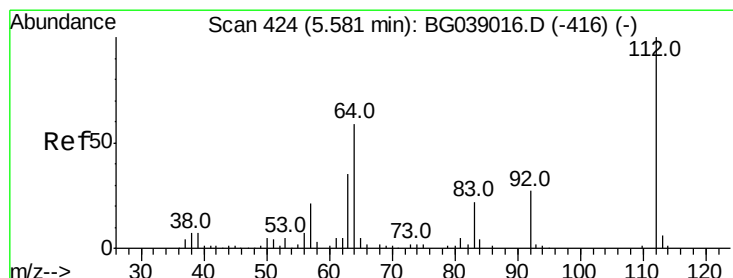
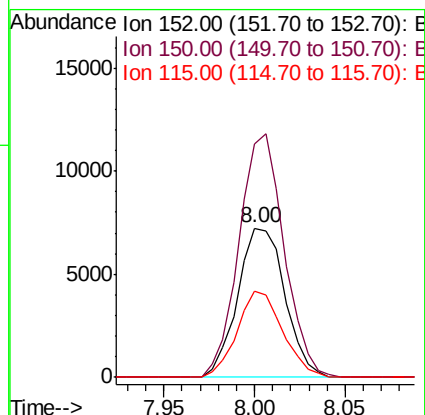
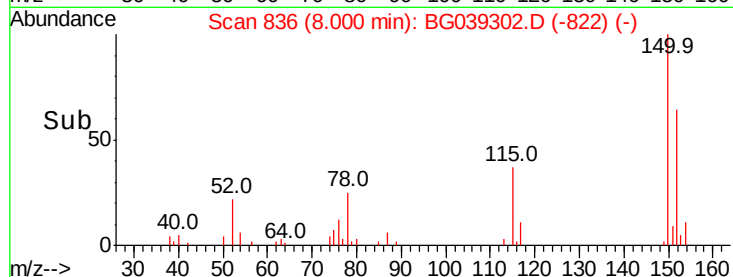
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.00 min Scan# 836  
 Delta R.T. -0.02 min  
 Lab File: BG039302.D  
 Acq: 26 Jan 2019 8:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 012319-TIPC-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.7 | 187.1 |
| 115     | 57.8  | 46.5  | 69.7  |



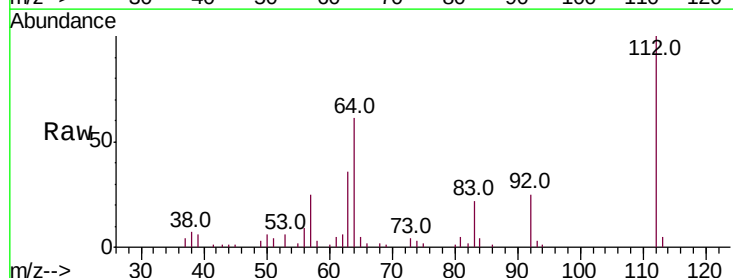
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



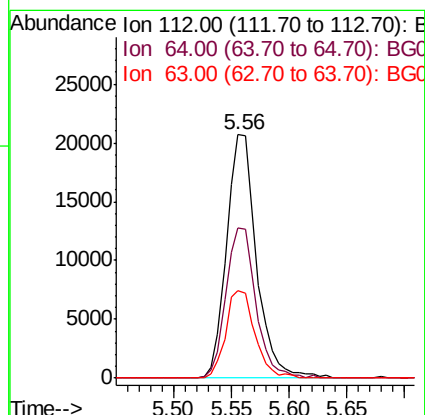
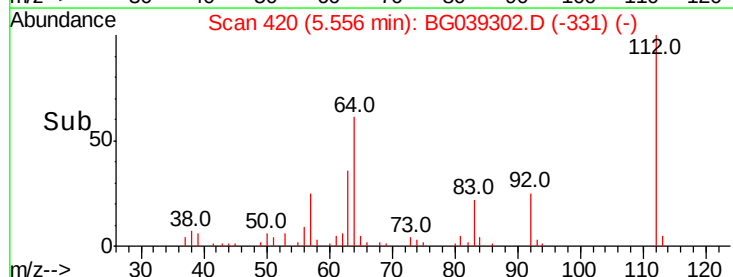
#5

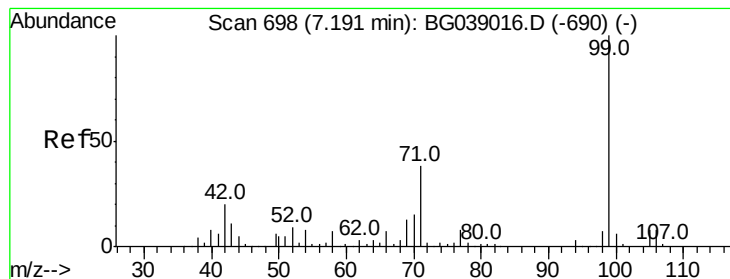
2-Fluorophenol  
 Concen: 53.869 ng  
 RT: 5.56 min Scan# 420  
 Delta R.T. -0.01 min  
 Lab File: BG039302.D  
 Acq: 26 Jan 2019 8:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.5  | 47.0  | 70.6  |
| 63      | 36.0  | 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: 37.562 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

Instrument :

BNA\_G

ClientSampleId :

012319-TIPC-F-D-B

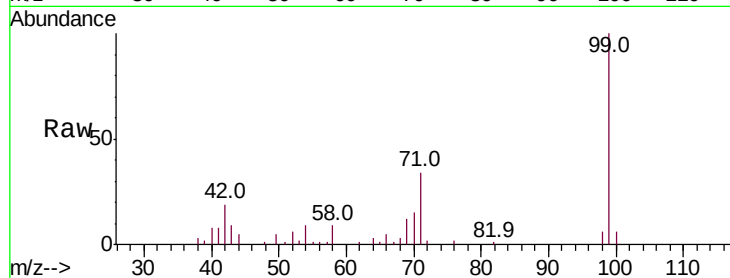
Tot Ion: 99 Resp: 37259

Ion Ratio Lower Upper

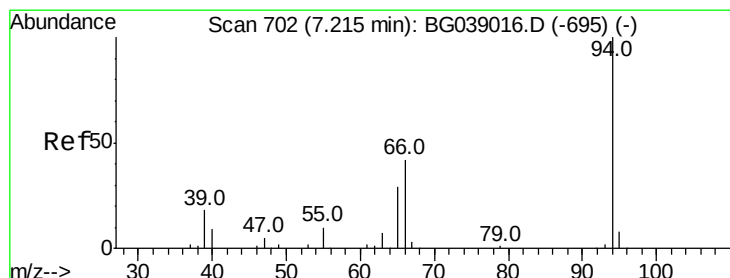
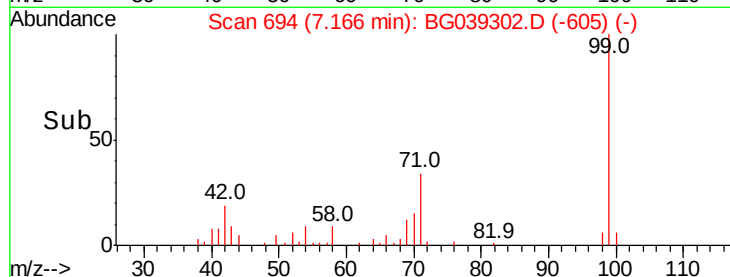
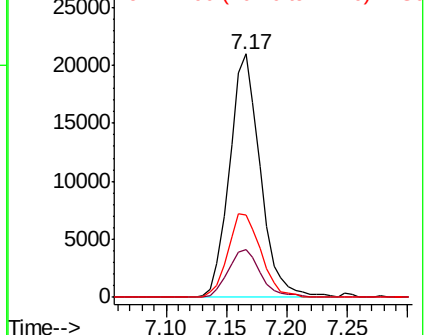
99 100

42 19.5 15.8 23.6

71 33.6 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



#10

Phenol

Concen: 2.476 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.02 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

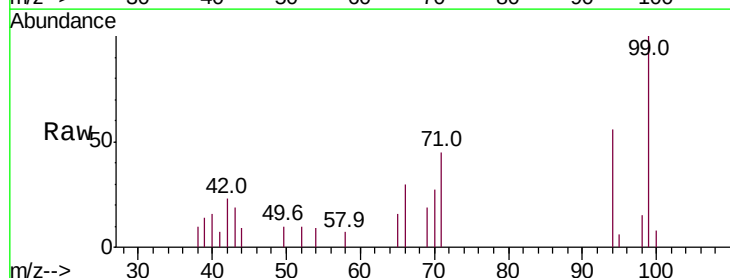
Tgt Ion: 94 Resp: 2462

Ion Ratio Lower Upper

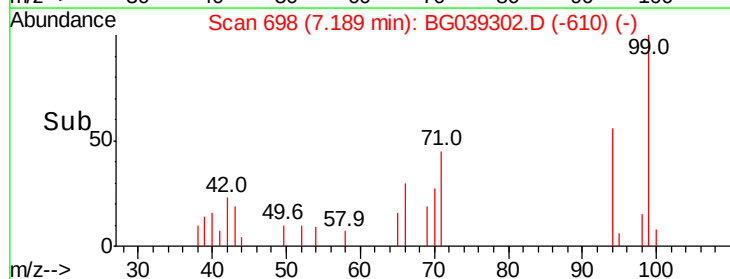
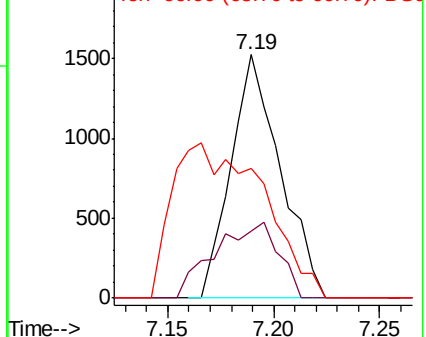
94 100

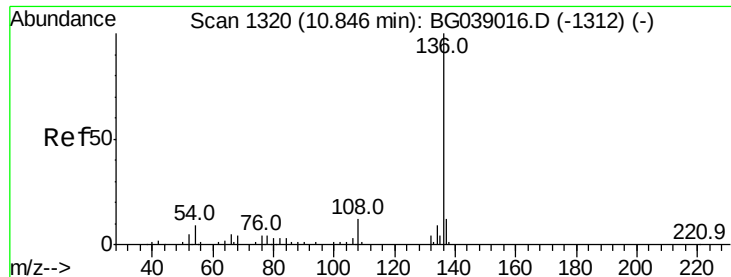
65 27.8 10.3 50.3

66 53.3 25.1 65.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

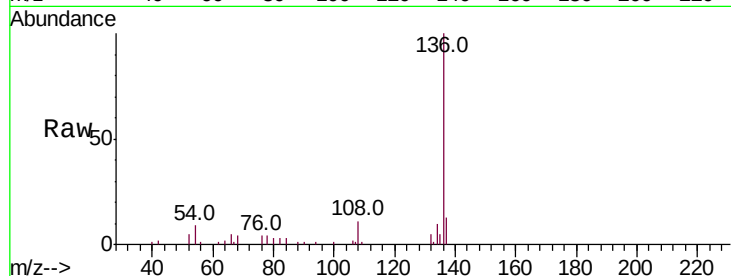




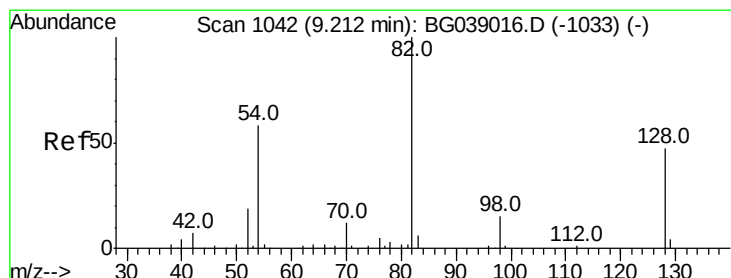
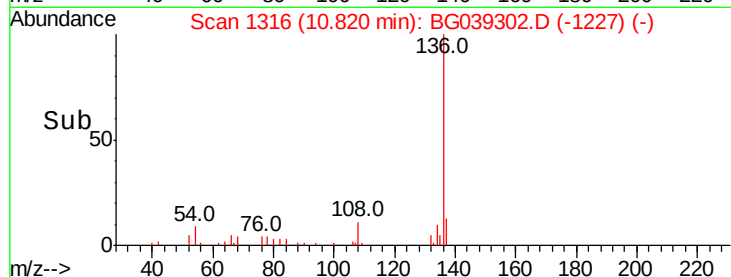
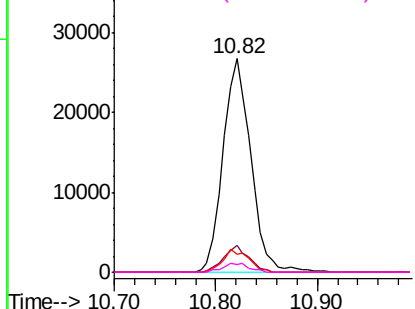
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG039302.D  
Acq: 26 Jan 2019 8:27

Instrument :  
BNA\_G  
ClientSampleId :  
012319-TIPC-F-D-B

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 51069       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.7  | 9.4 14.2    |
| 54          | 8.6   | 7.2 10.8    |
| 68          | 3.8   | 3.5 5.3     |

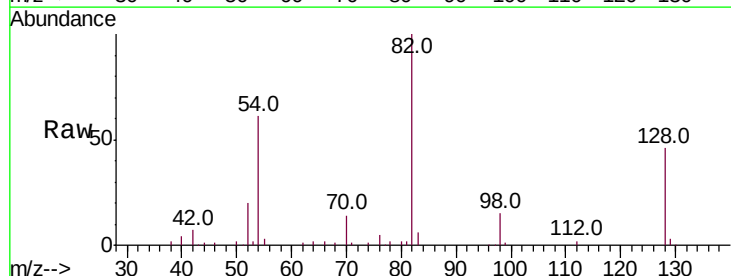


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

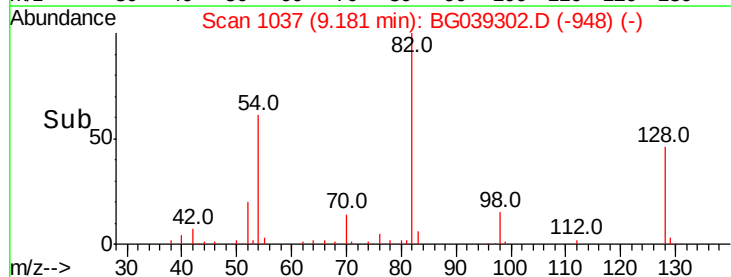
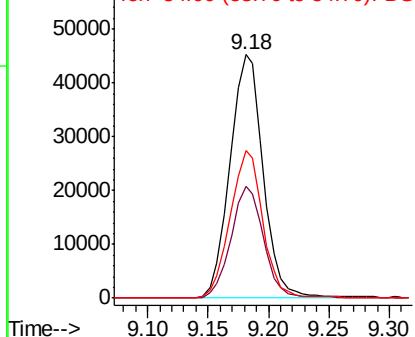


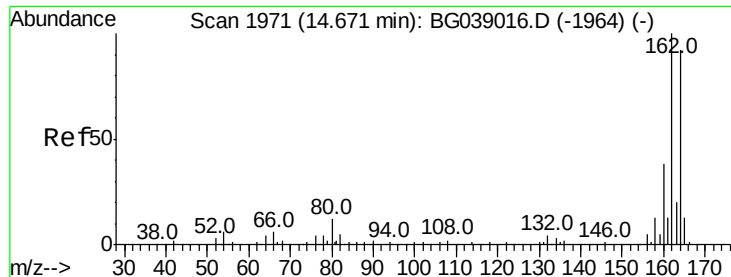
#23  
Nitrobenzene-d5  
Concen: 92.537 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BG039302.D  
Acq: 26 Jan 2019 8:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 86364       |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 46.0  | 37.3 55.9   |
| 54          | 60.7  | 46.4 69.6   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

Instrument :

BNA\_G

ClientSampleId :

012319-TIPC-F-D-B

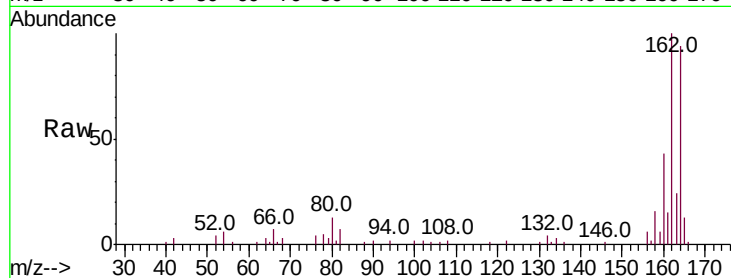
Tot Ion:164 Resp: 38194

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.9 | 87.2  | 130.8 |
| 160 | 46.1  | 33.3  | 49.9  |

164 100

162 105.9 87.2 130.8

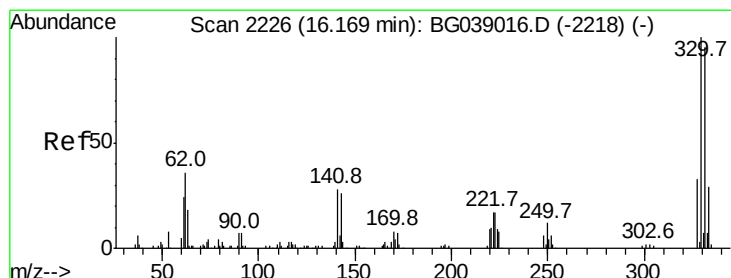
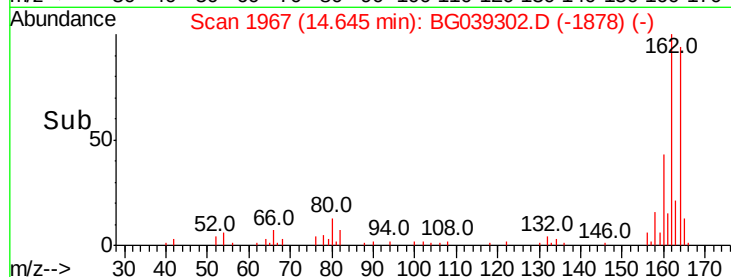
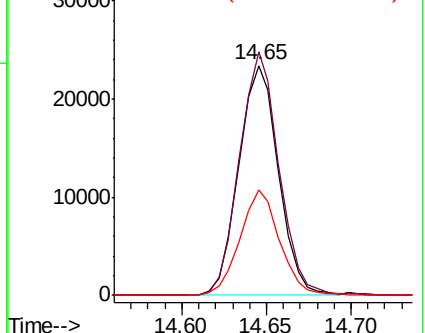
160 46.1 33.3 49.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 84.359 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

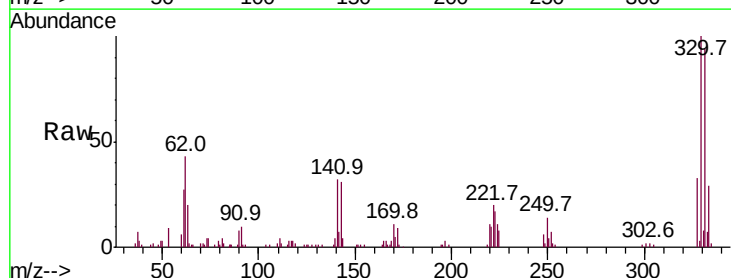
Tgt Ion:330 Resp: 54010

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 94.7  | 75.7  | 113.5 |
| 141 | 32.1  | 24.9  | 37.3  |

330 100

332 94.7 75.7 113.5

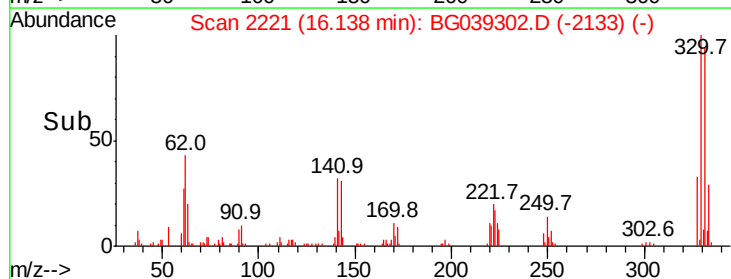
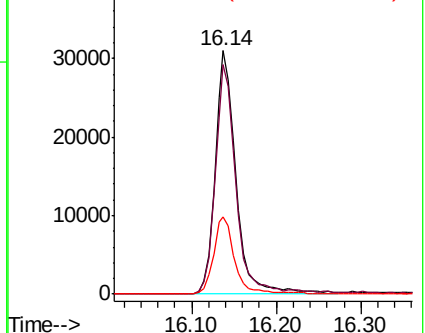
141 32.1 24.9 37.3

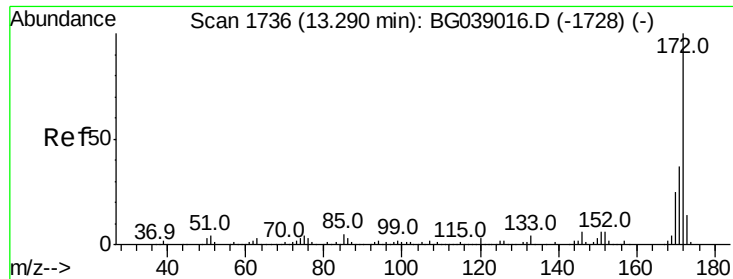


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

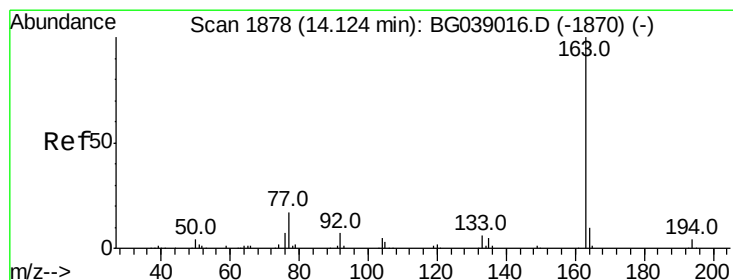
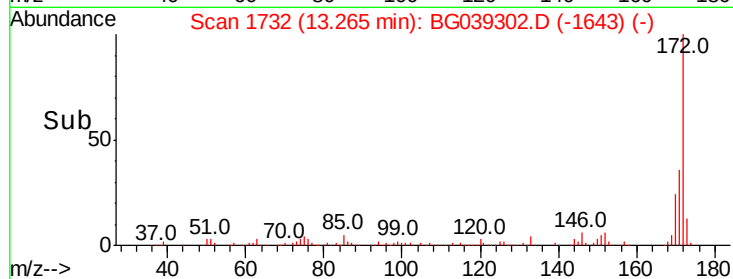
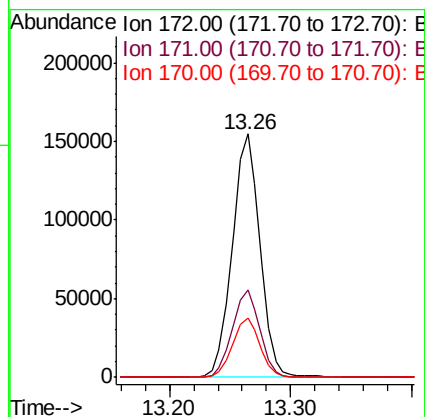
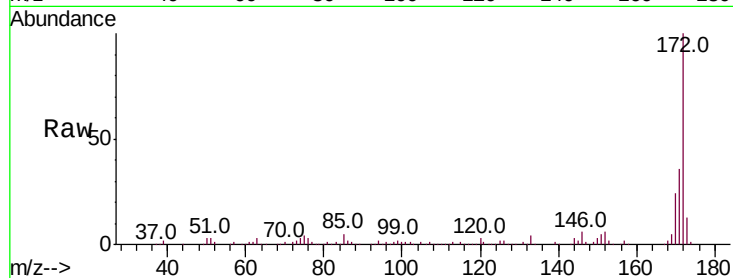




#45  
 2-Fluorobiphenyl  
 Concen: 88.397 ng  
 RT: 13.26 min Scan# 1732  
 Delta R.T. -0.01 min  
 Lab File: BG039302.D  
 Acq: 26 Jan 2019 8:27

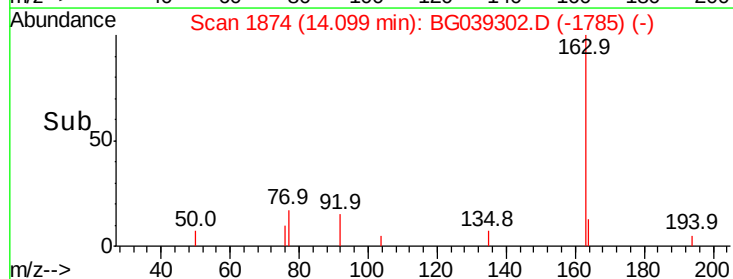
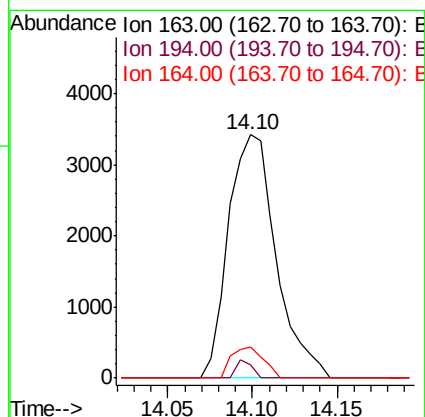
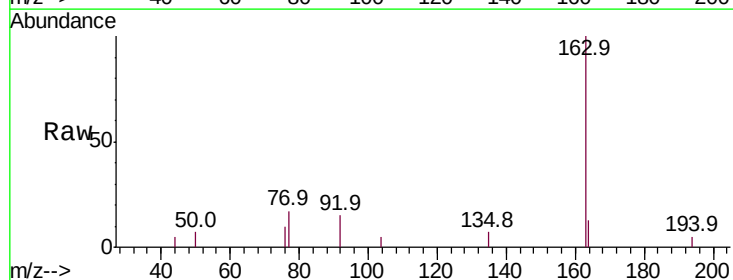
Instrument :  
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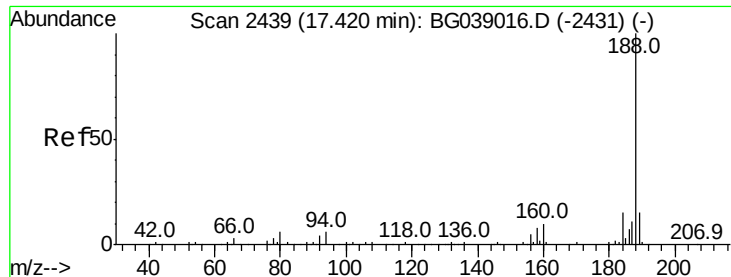
Tot Ion:172 Resp: 246699  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.0  
 170 24.2 20.1 30.1



#50  
 Dimethylphthalate  
 Concen: 2.081 ng  
 RT: 14.10 min Scan# 1874  
 Delta R.T. -0.01 min  
 Lab File: BG039302.D  
 Acq: 26 Jan 2019 8:27

Tgt Ion:163 Resp: 6718  
 Ion Ratio Lower Upper  
 163 100  
 194 5.2 3.6 5.4  
 164 13.0 8.2 12.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

Instrument :

BNA\_G

ClientSampleId :

012319-TIPC-F-D-B

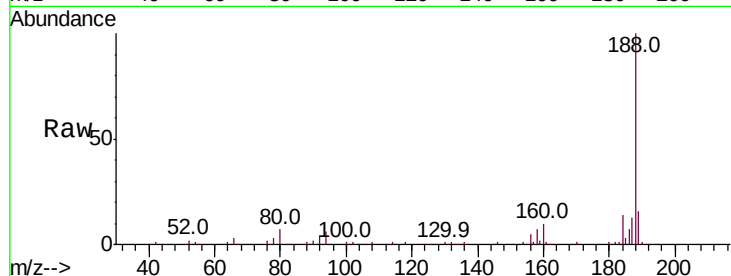
Tot Ion:188 Resp: 102933

Ion Ratio Lower Upper

188 100

94 6.0 5.0 7.4

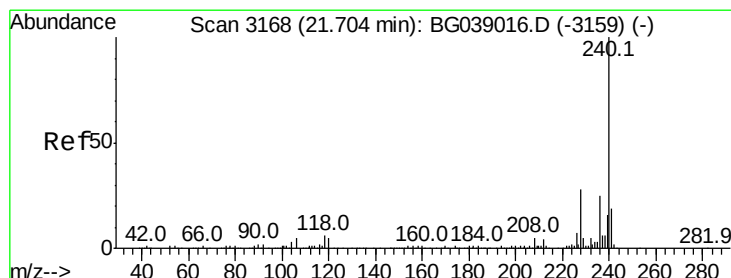
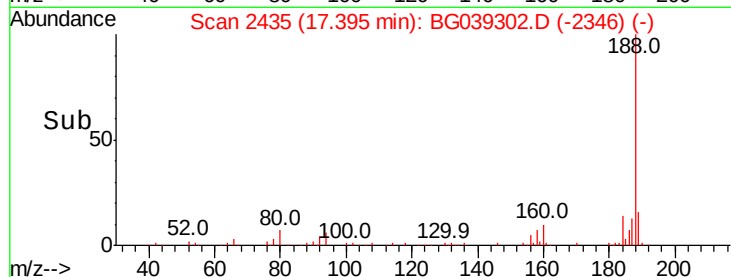
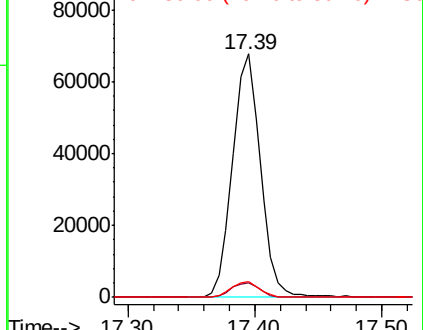
80 6.6 4.7 7.1



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: 21.67 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

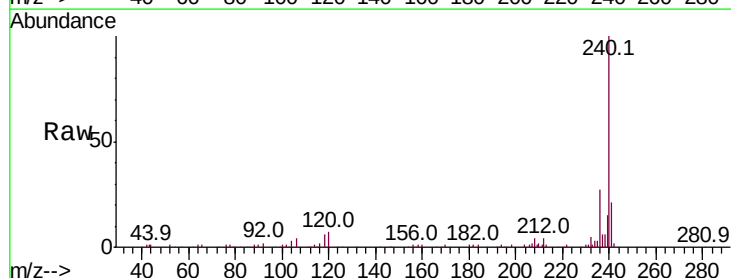
Tgt Ion:240 Resp: 118662

Ion Ratio Lower Upper

240 100

120 6.8 4.3 6.5#

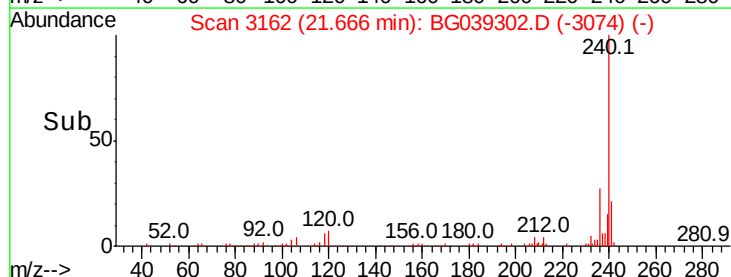
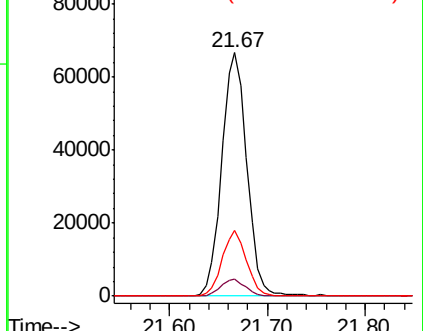
236 26.9 20.1 30.1



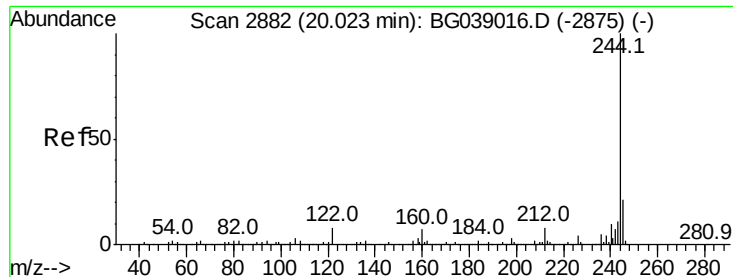
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 78.298 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

Instrument :

BNA\_G

ClientSampleId :

012319-TIPC-F-D-B

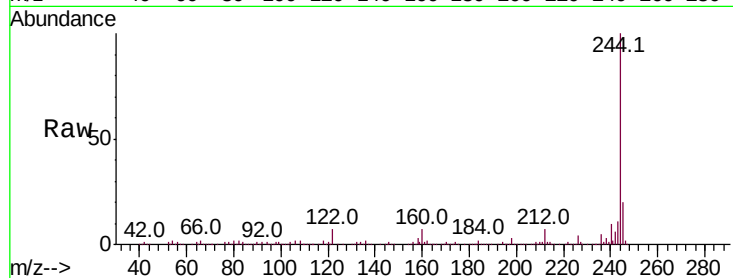
Tot Ion:244 Resp: 502244

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

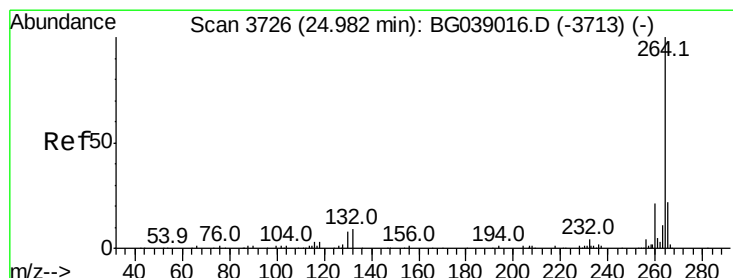
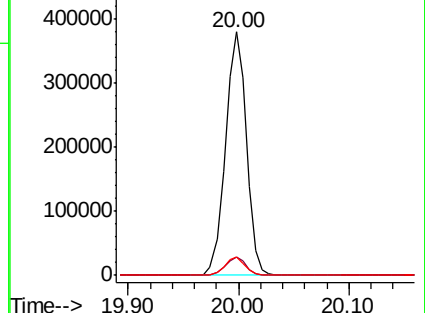
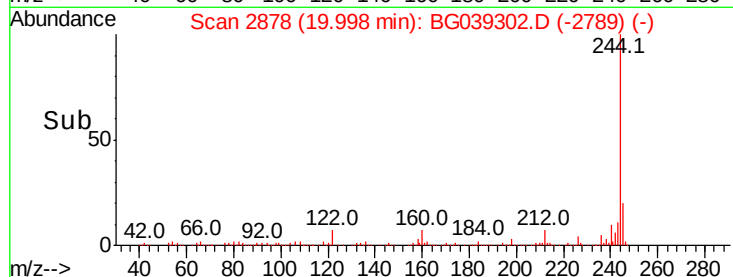
122 7.3 6.1 9.1



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: 24.92 min Scan# 3716

Delta R.T. -0.03 min

Lab File: BG039302.D

Acq: 26 Jan 2019 8:27

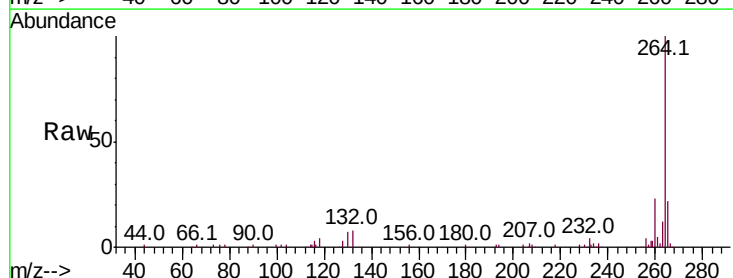
Tgt Ion:264 Resp: 119227

Ion Ratio Lower Upper

264 100

260 23.4 17.0 25.6

265 21.9 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

