

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\  
 Data File : BG039210.D  
 Acq On : 18 Jan 2019 8:23  
 Operator : JU/SJ  
 Sample : PB116454TB  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116454TB

Quant Time: Jan 18 10:29:29 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  | 28157    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 114426   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 77416    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 207410   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.68 | 240  | 235888   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.94 | 264  | 204977   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 246557   | 166.11 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 336190   | 157.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 198818   | 95.08  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 140150   | 108.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 535634   | 94.69  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.01 | 244  | 1125524  | 88.27  | ng    | 0.00     |

Target Compounds Qvalue

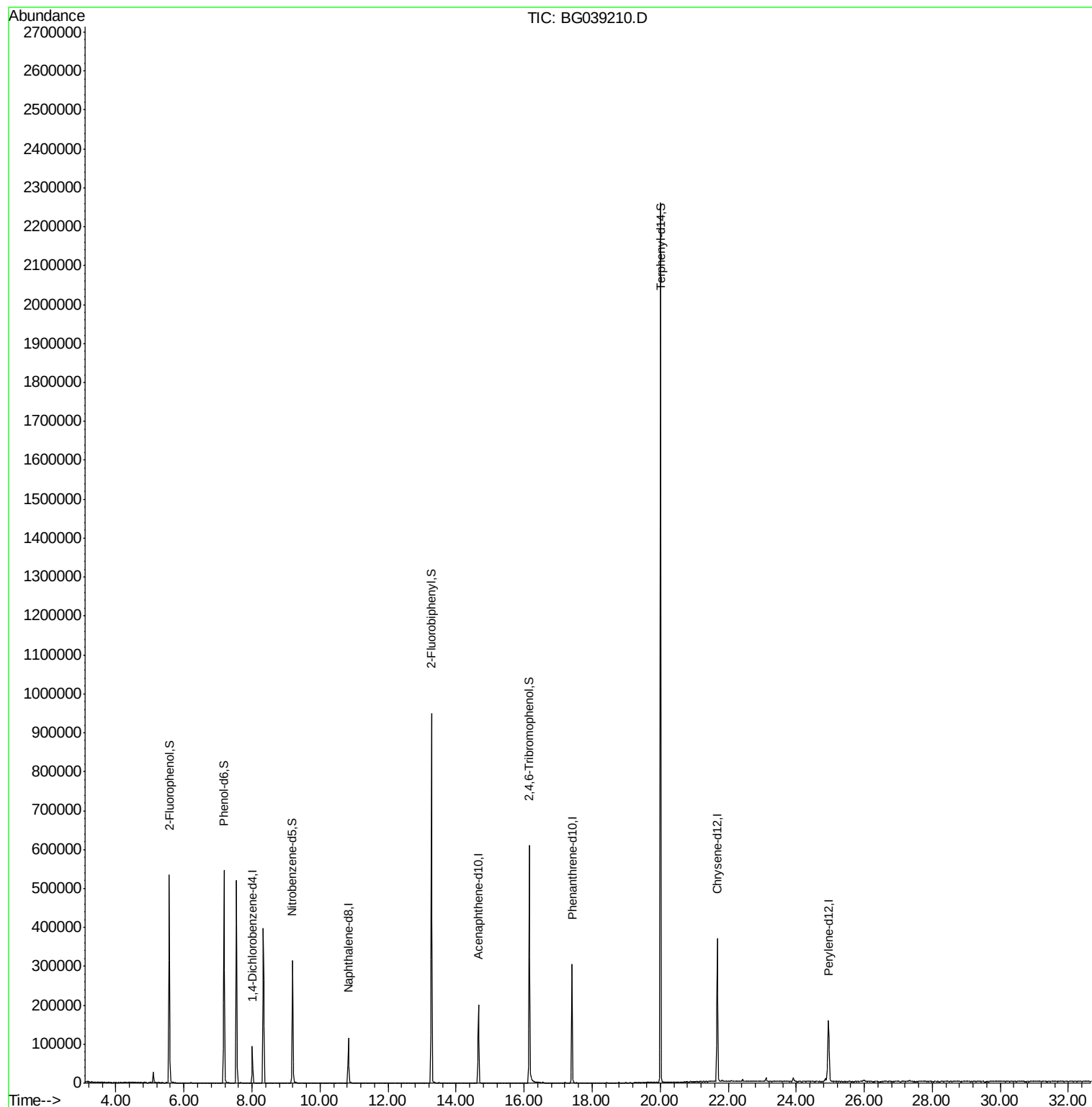
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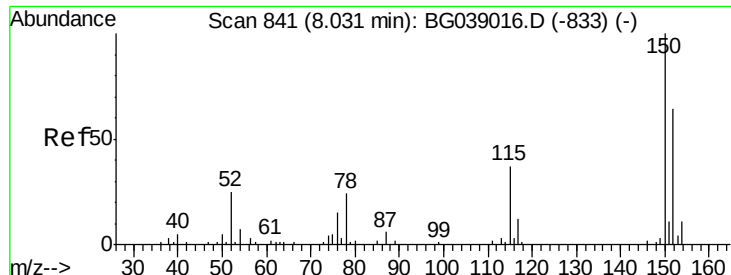
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
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QLast Update : Fri Jan 18 04:20:14 2019  
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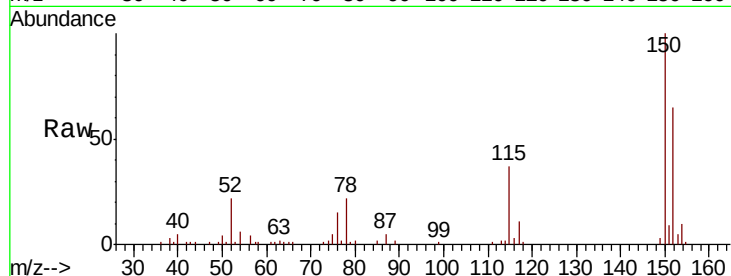


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 838  
Delta R.T. -0.00 min  
Lab File: BG039210.D  
Acq: 18 Jan 2019 8:23

Instrument :  
BNA\_G  
ClientSampleId :  
PB116454TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.5 | 124.7 | 187.1 |
| 115     | 56.1  | 46.5  | 69.7  |

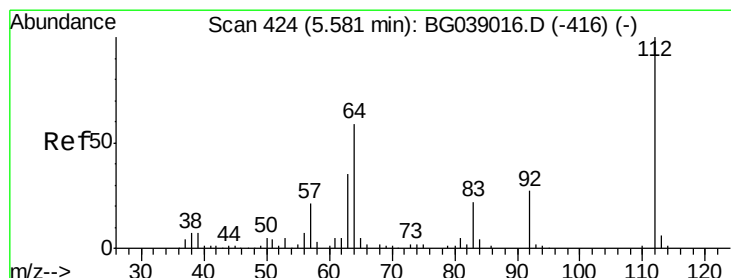
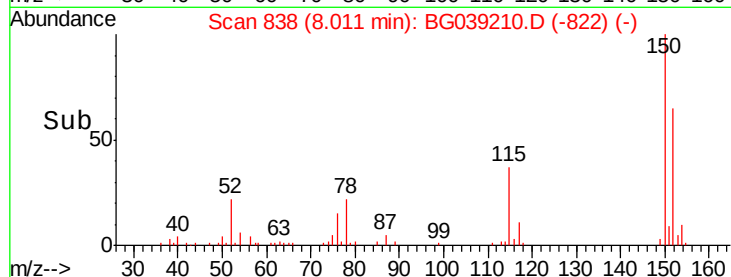
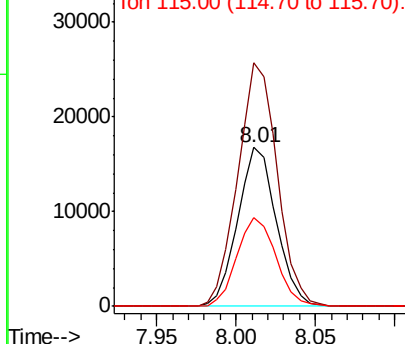


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

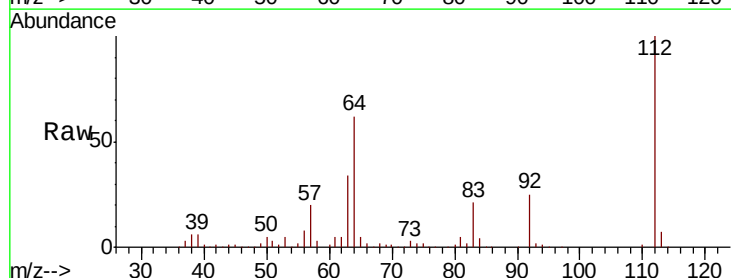
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 166.109 ng  
RT: 5.57 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: BG039210.D  
Acq: 18 Jan 2019 8:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.1  | 47.0  | 70.6  |
| 63      | 33.5  | 28.0  | 42.0  |

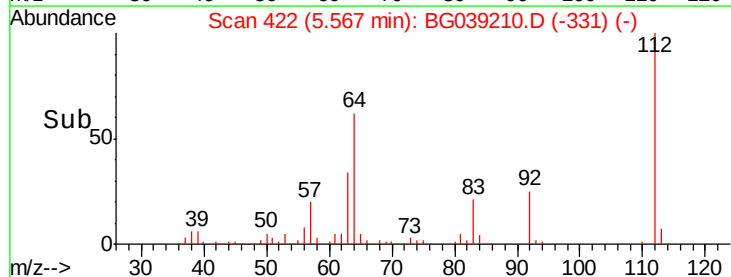
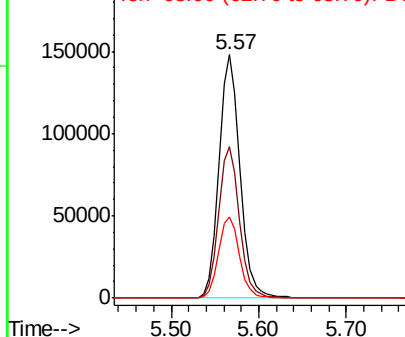


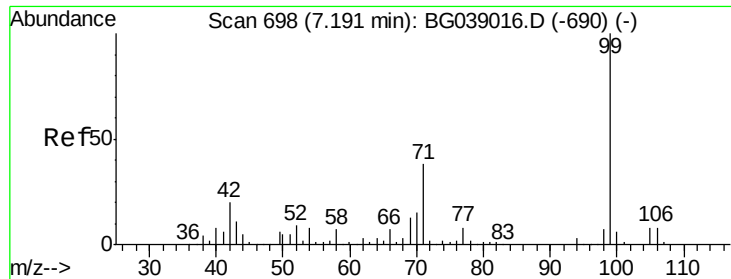
Abundance

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: 157.384 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA\_G

ClientSampleId :

PB116454TB

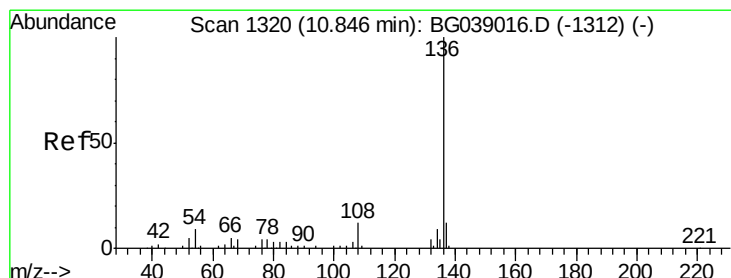
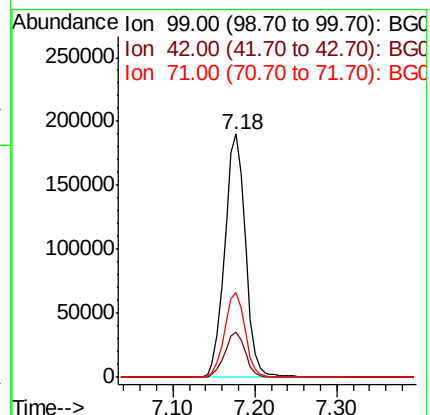
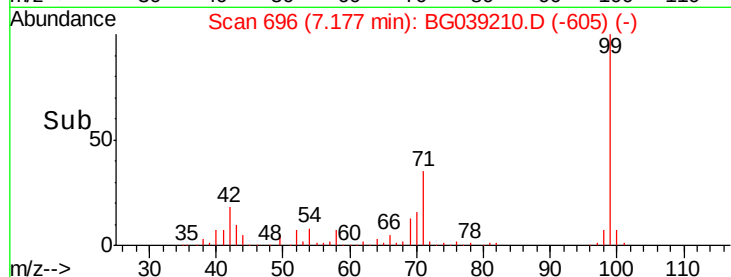
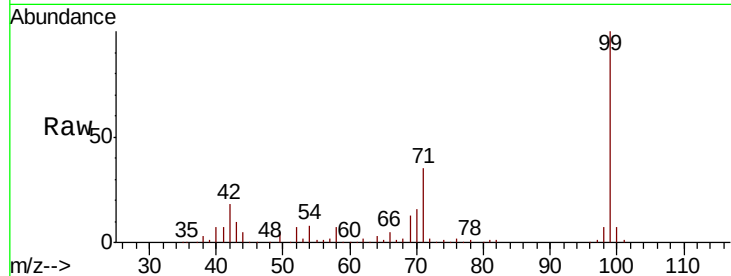
Tot Ion: 99 Resp: 336190

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 34.9 30.2 45.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Tgt Ion: 136 Resp: 114426

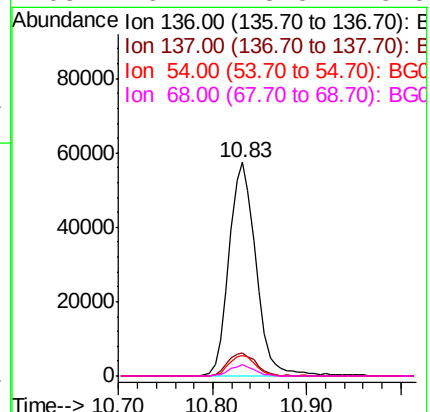
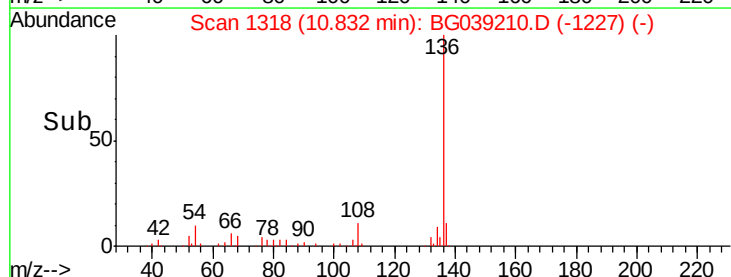
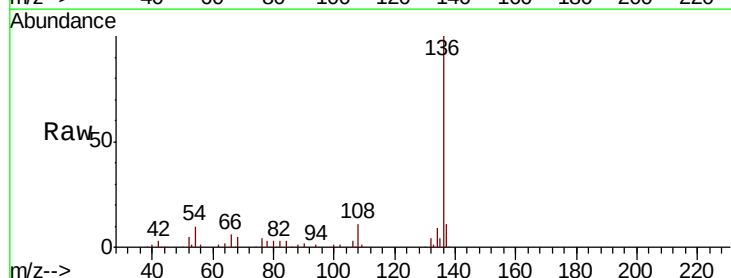
Ion Ratio Lower Upper

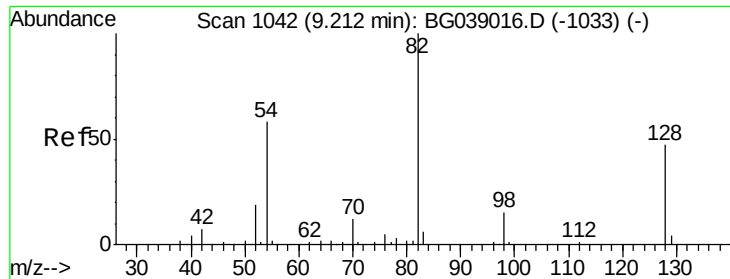
136 100

137 10.6 9.4 14.2

54 9.5 7.2 10.8

68 5.2 3.5 5.3

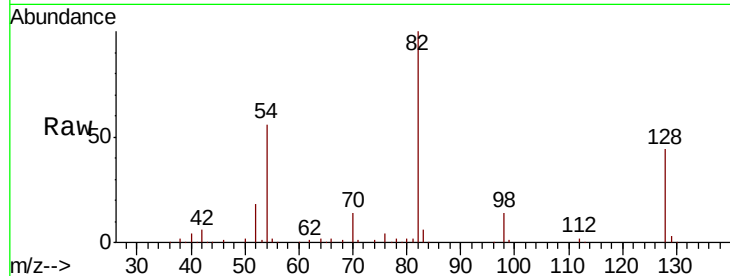




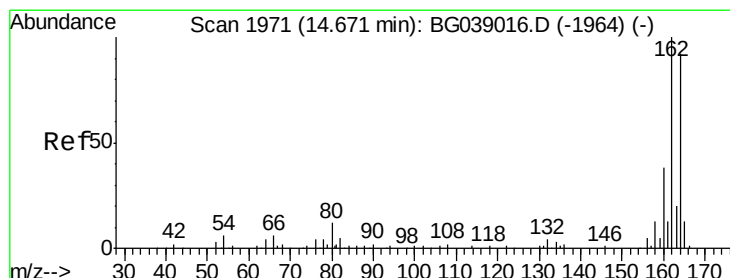
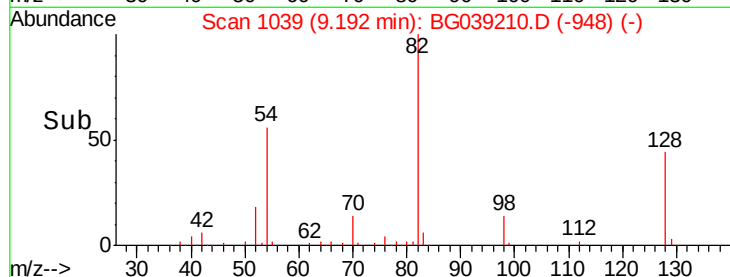
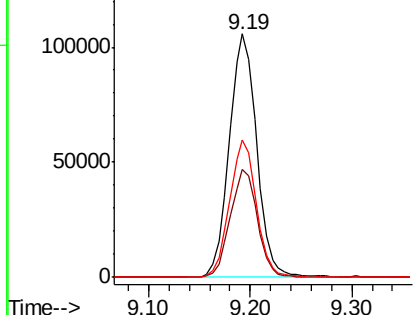
#23  
 Nitrobenzene-d5  
 Concen: 95.076 ng  
 RT: 9.19 min Scan# 1039  
 Delta R.T. 0.00 min  
 Lab File: BG039210.D  
 Acq: 18 Jan 2019 8:23

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB116454TB

| Tot Ion   | 82    | Resp  | 198818 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.3  | 37.3  | 55.9   |
| 54        | 56.3  | 46.4  | 69.6   |

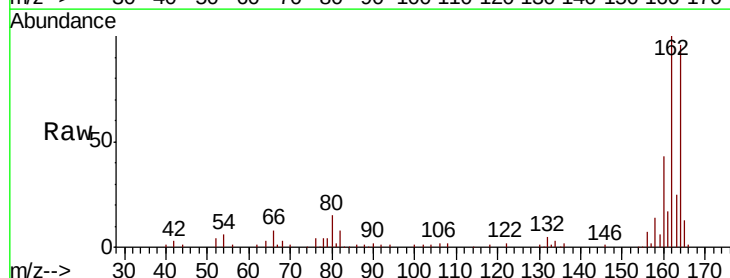


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

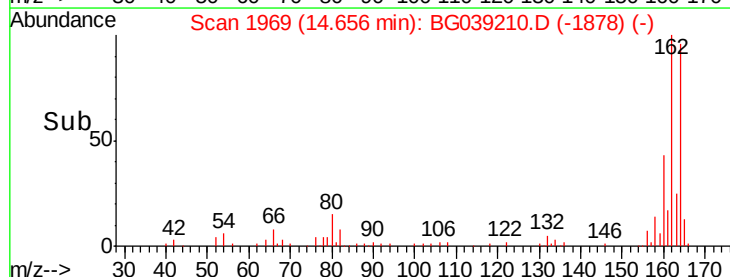
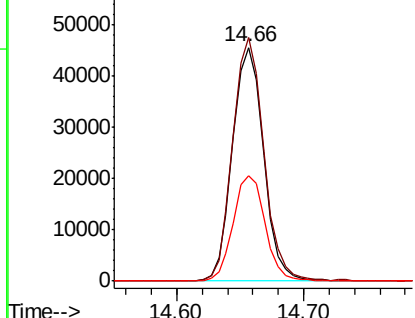


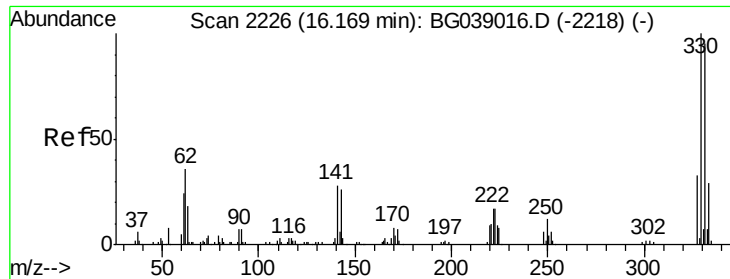
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. 0.00 min  
 Lab File: BG039210.D  
 Acq: 18 Jan 2019 8:23

| Tgt Ion   | 164   | Resp  | 77416 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.3 | 87.2  | 130.8 |
| 160       | 45.1  | 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: 107.998 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA\_G

ClientSampleId :

PB116454TB

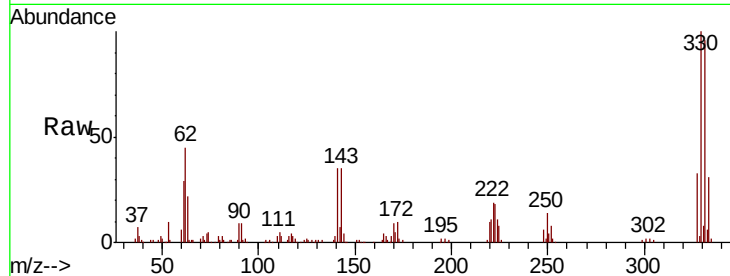
Tot Ion:330 Resp: 140150

Ion Ratio Lower Upper

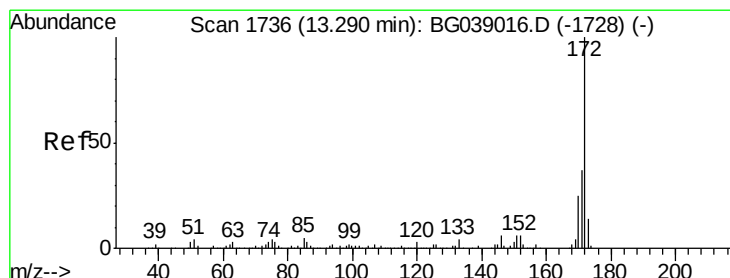
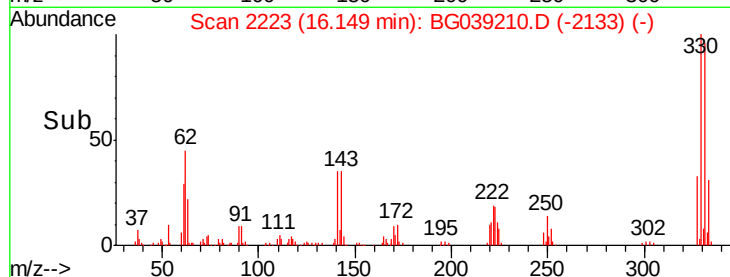
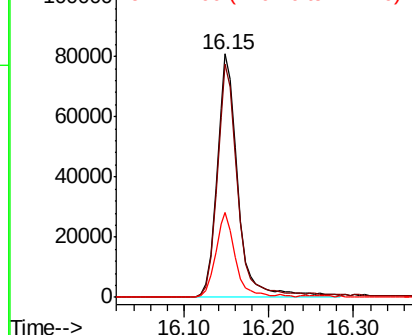
330 100

332 96.0 75.7 113.5

141 33.2 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: 94.690 ng

RT: 13.28 min Scan# 1734

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

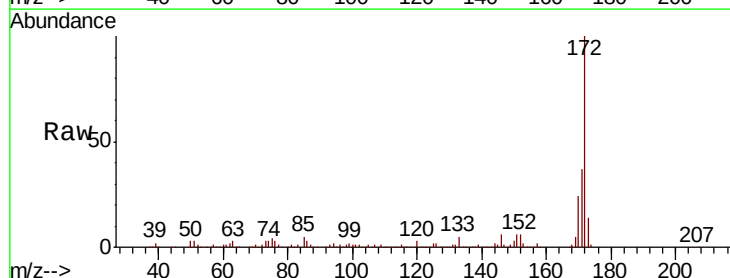
Tgt Ion:172 Resp: 535634

Ion Ratio Lower Upper

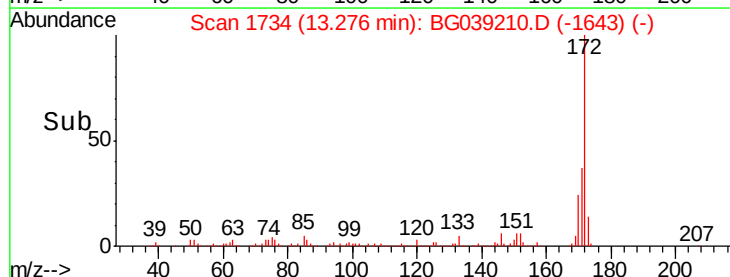
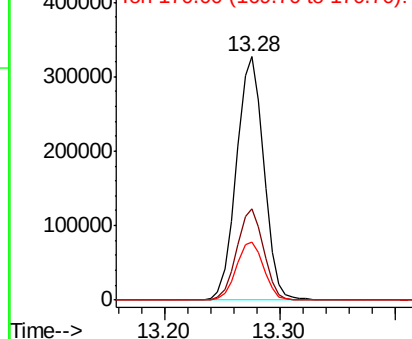
172 100

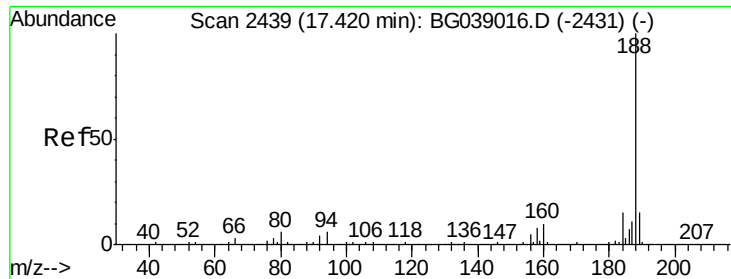
171 37.4 29.4 44.0

170 24.0 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

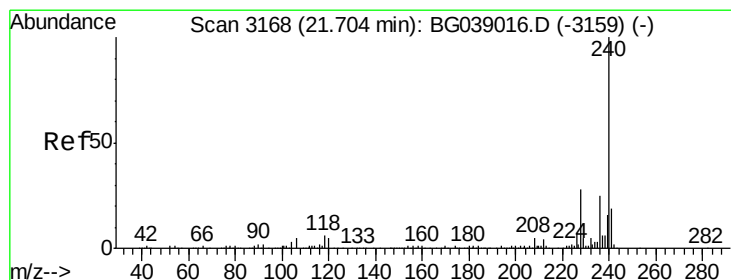
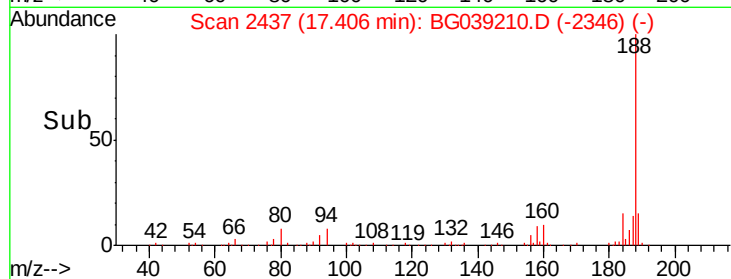
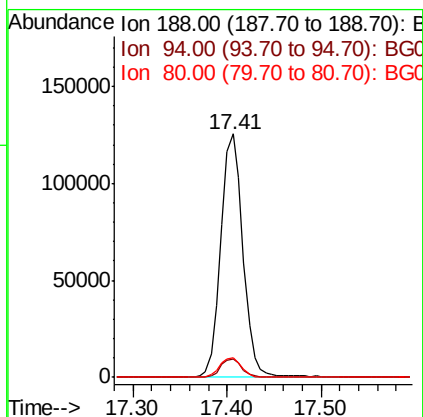
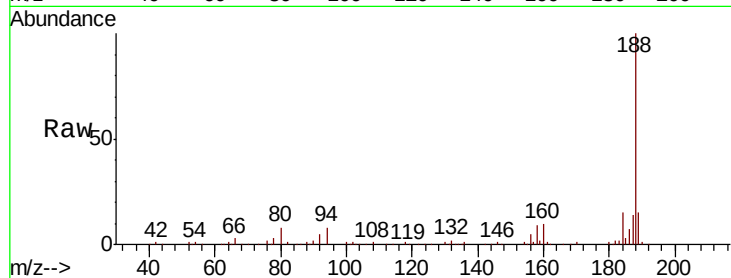




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2437  
Delta R.T. 0.00 min  
Lab File: BG039210.D  
Acq: 18 Jan 2019 8:23

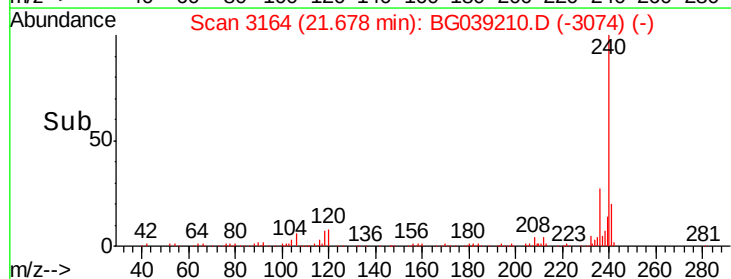
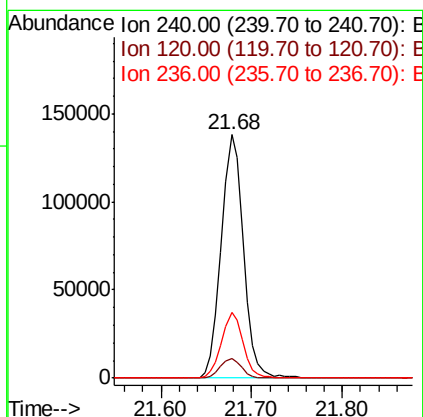
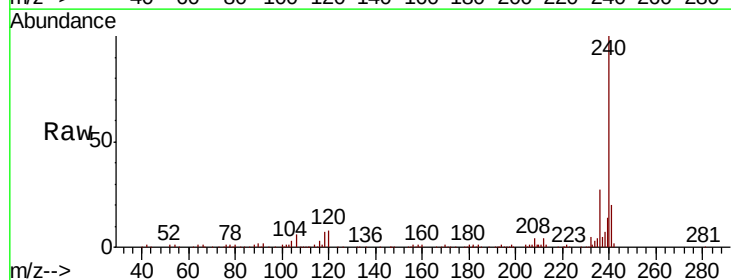
Instrument :  
BNA\_G  
ClientSampleId :  
PB116454TB

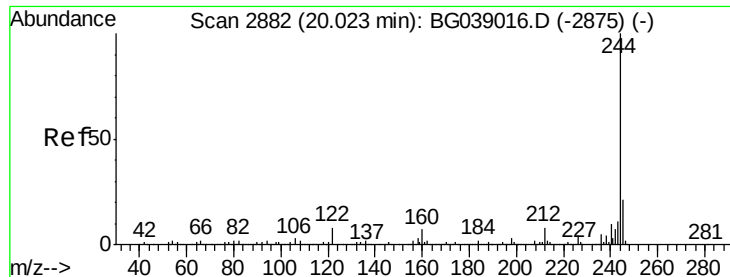
Tot Ion:188 Resp: 207410  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.0 7.4#  
80 8.2 4.7 7.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: BG039210.D  
Acq: 18 Jan 2019 8:23

Tgt Ion:240 Resp: 235888  
Ion Ratio Lower Upper  
240 100  
120 8.0 4.3 6.5#  
236 27.0 20.1 30.1





#79

Terphenyl-d14

Concen: 88.266 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

Instrument :

BNA\_G

ClientSampleID :

PB116454TB

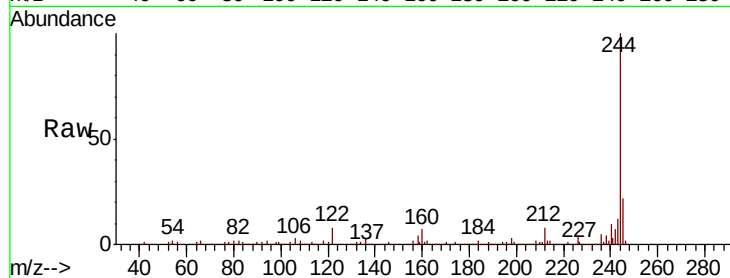
Tot Ion:244 Resp: 1125524

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

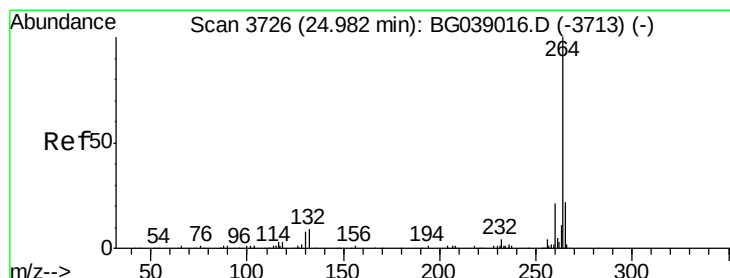
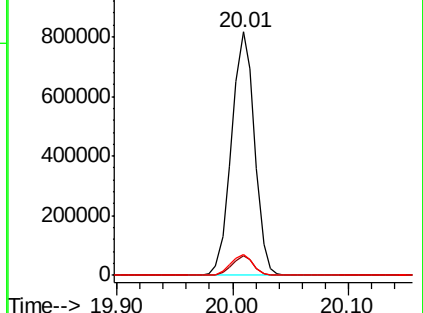
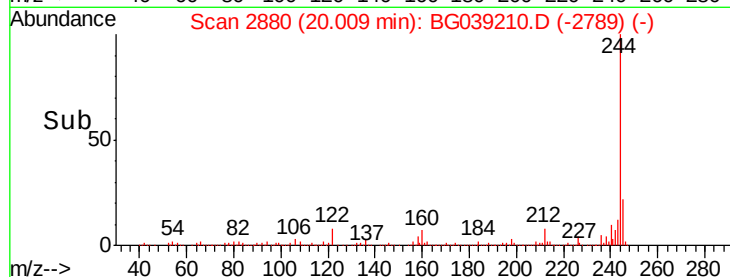
122 8.4 6.1 9.1



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: 24.94 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG039210.D

Acq: 18 Jan 2019 8:23

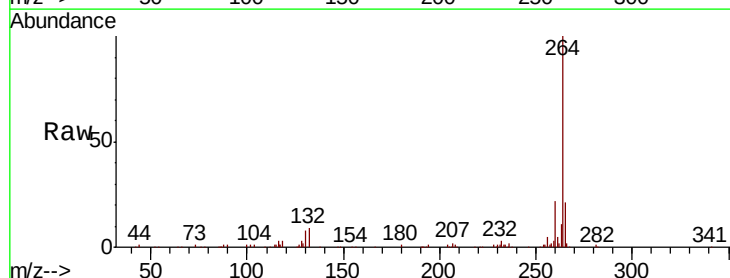
Tgt Ion:264 Resp: 204977

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.6

265 21.4 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

