

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021519\  
 Data File : BG039532.D  
 Acq On : 15 Feb 2019 22:02  
 Operator : JU/SJ  
 Sample : K1346-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-021419-C

Quant Time: Feb 16 03:33:37 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   | 8.17  | 152  | 45835    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.99 | 136  | 212052   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.80 | 164  | 155306   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.54 | 188  | 362184   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 372766   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.22 | 264  | 348694   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 398611   | 148.84 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 549678   | 139.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 375859   | 110.73 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 190642   | 113.99 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 956491   | 88.35  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.13 | 244  | 1505638  | 85.50  | ng    | -0.02    |

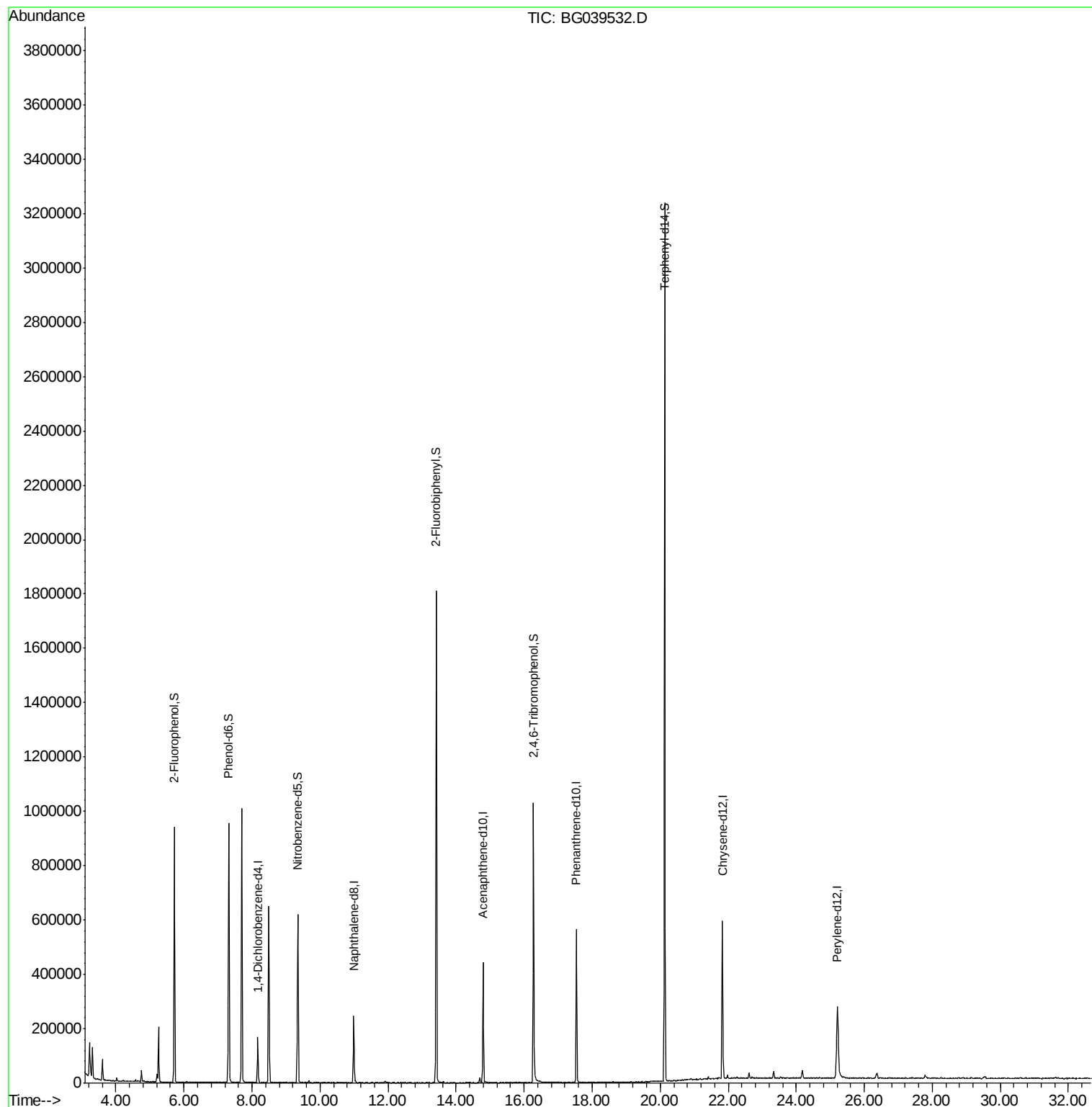
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021519\  
Data File : BG039532.D  
Acq On : 15 Feb 2019 22:02  
Operator : JU/SJ  
Sample : K1346-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-021419-C

Quant Time: Feb 16 03:33:37 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



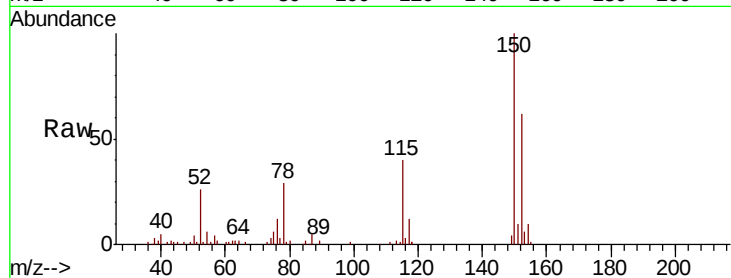


#1

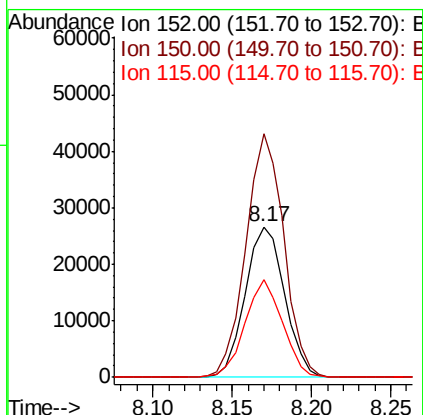
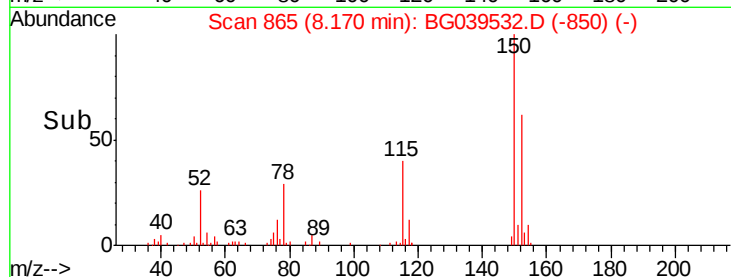
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 865  
Delta R.T. -0.01 min  
Lab File: BG039532.D  
Acq: 15 Feb 2019 22:02

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-021419-C

Tot Ion:152 Resp: 45835  
Ion Ratio Lower Upper  
152 100  
150 161.8 123.7 185.5  
115 64.6 45.9 68.9



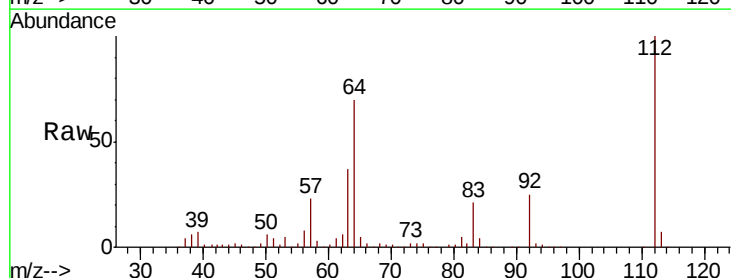
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



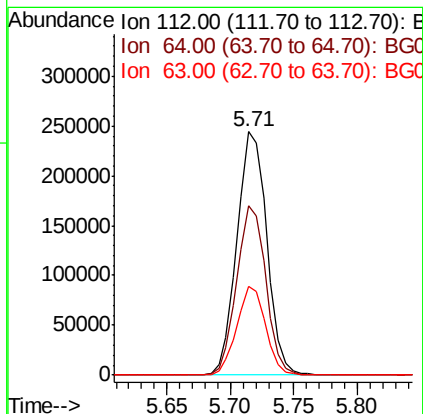
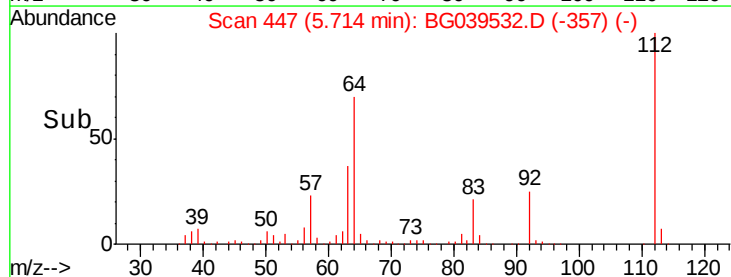
#5

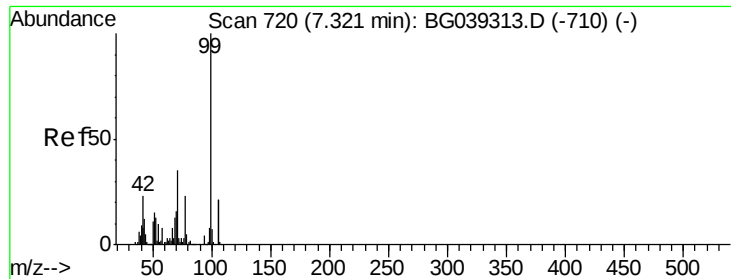
2-Fluorophenol  
Concen: 148.844 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039532.D  
Acq: 15 Feb 2019 22:02

Tgt Ion:112 Resp: 398611  
Ion Ratio Lower Upper  
112 100  
64 69.6 57.8 86.8  
63 36.7 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: 139.441 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA\_G

ClientSampleId :

CL-01-021419-C

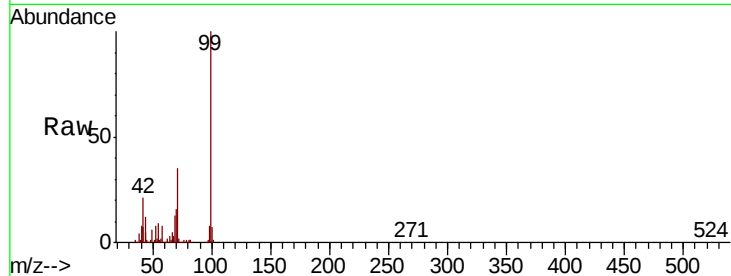
Tot Ion: 99 Resp: 549678

Ion Ratio Lower Upper

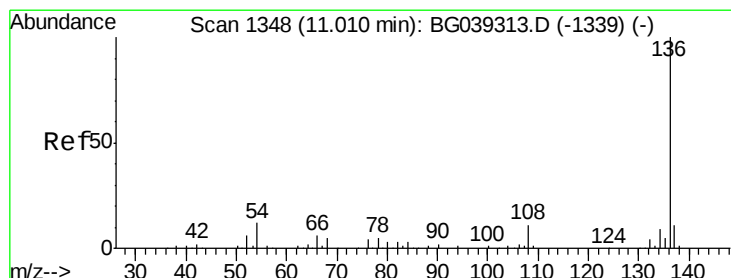
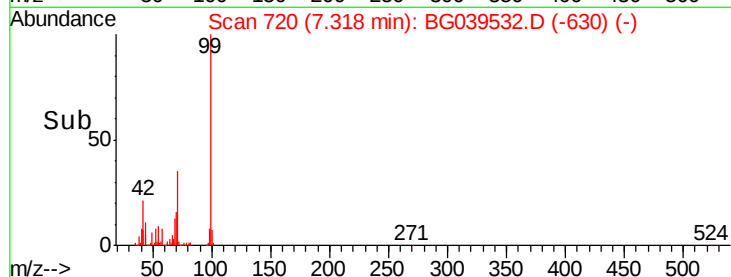
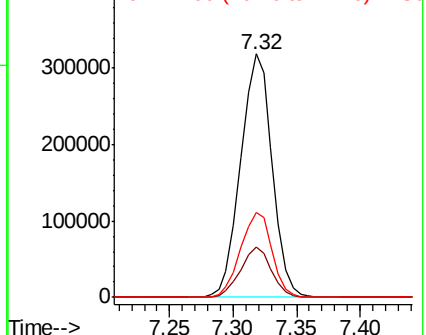
99 100

42 20.6 18.2 27.2

71 34.7 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: 10.99 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Tgt Ion: 136 Resp: 212052

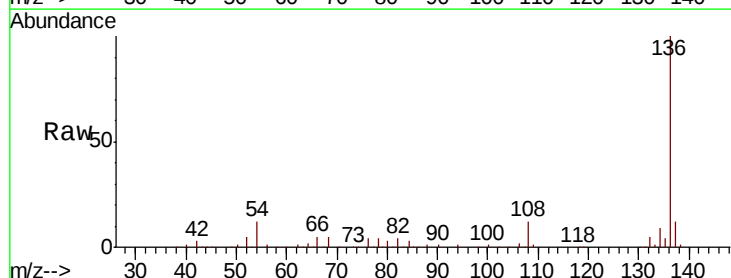
Ion Ratio Lower Upper

136 100

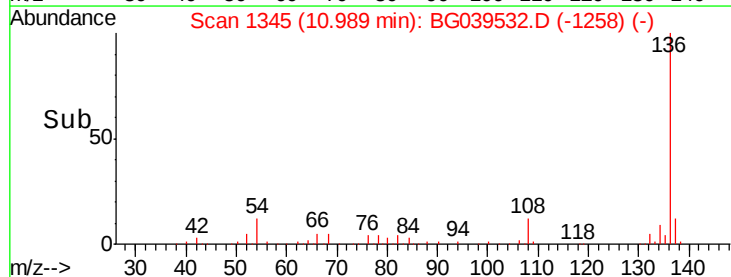
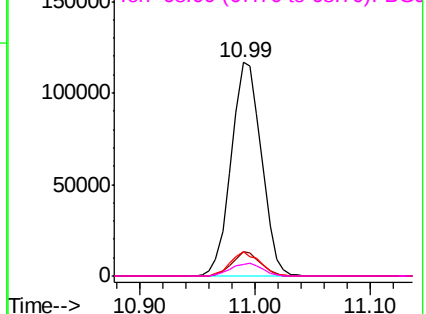
137 11.6 9.1 13.7

54 11.5 9.4 14.2

68 5.4 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

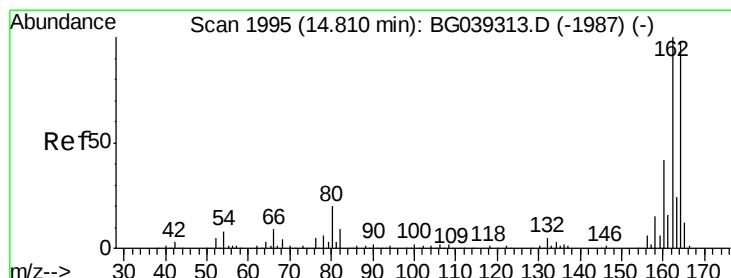
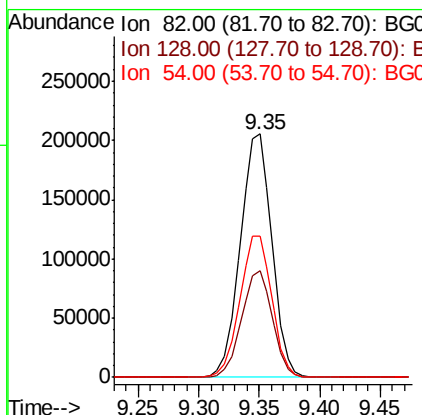
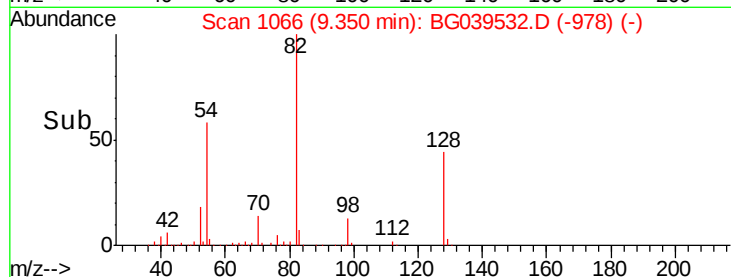
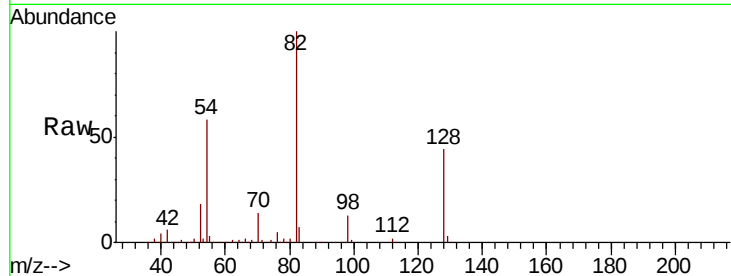




#23  
Nitrobenzene-d5  
Concen: 110.730 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039532.D  
Acq: 15 Feb 2019 22:02

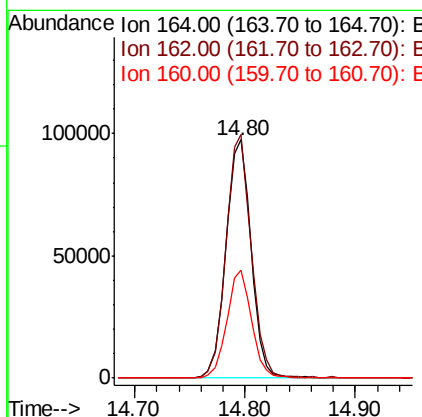
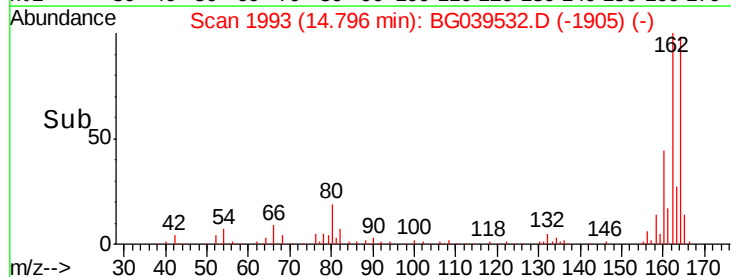
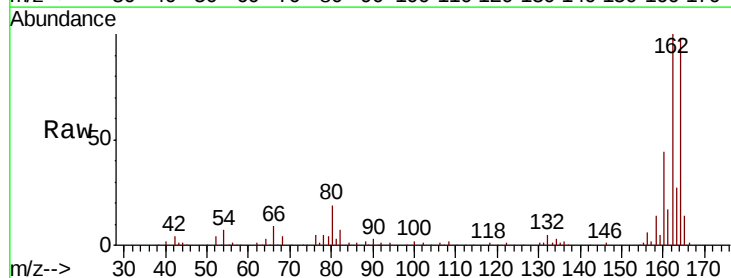
Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-021419-C

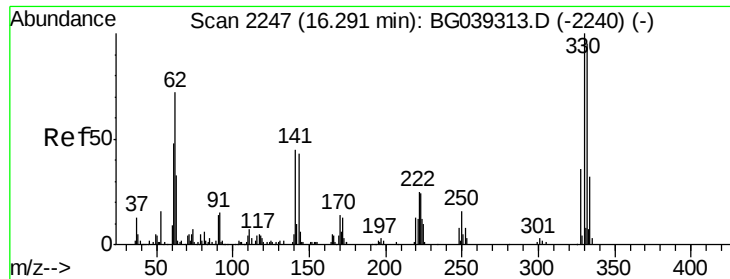
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.0  | 31.3  | 46.9  |
| 54      | 58.0  | 50.9  | 76.3  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BG039532.D  
Acq: 15 Feb 2019 22:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.3 | 81.6  | 122.4 |
| 160     | 45.1  | 34.2  | 51.2  |

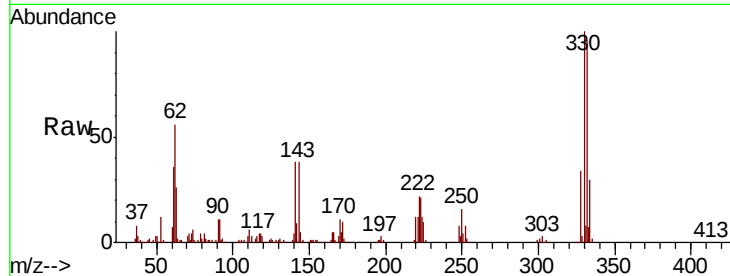




#42  
 2,4,6-Tribromophenol  
 Concen: 113.994 ng  
 RT: 16.28 min Scan# 2246  
 Delta R.T. -0.01 min  
 Lab File: BG039532.D  
 Acq: 15 Feb 2019 22:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-021419-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 75.7  | 113.5 |
| 141     | 41.8  | 35.6  | 53.4  |

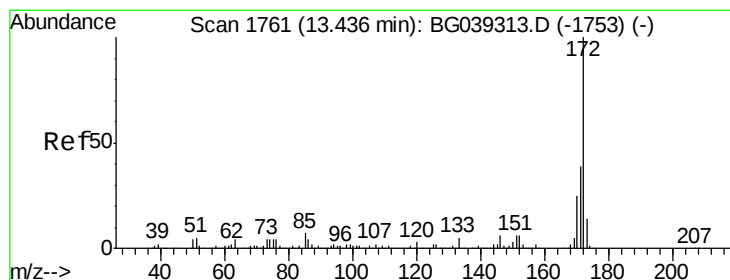
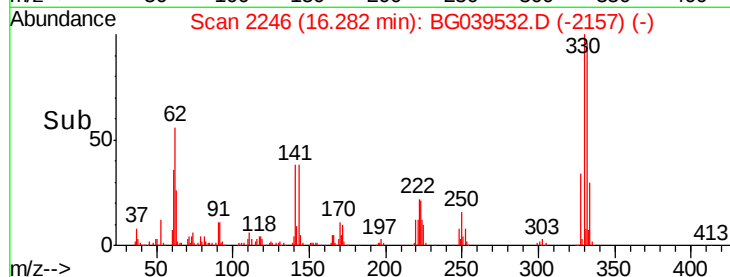
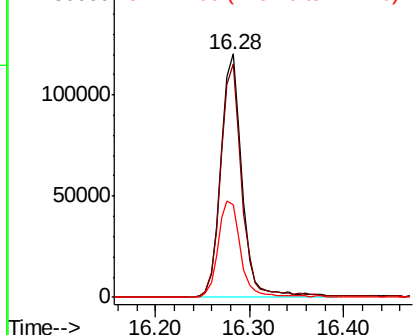


Abundance

Ion 329.80 (329.50 to 330.50): E

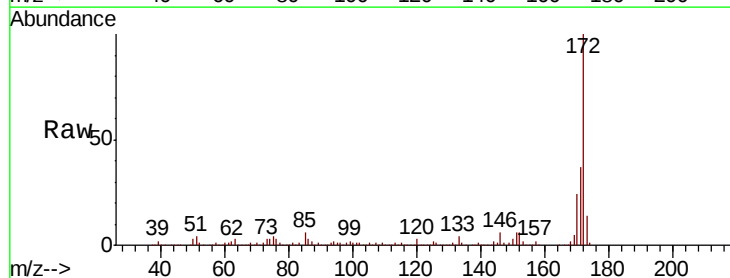
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.350 ng  
 RT: 13.42 min Scan# 1759  
 Delta R.T. -0.01 min  
 Lab File: BG039532.D  
 Acq: 15 Feb 2019 22:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.8  | 46.2  |
| 170     | 24.5  | 20.2  | 30.4  |

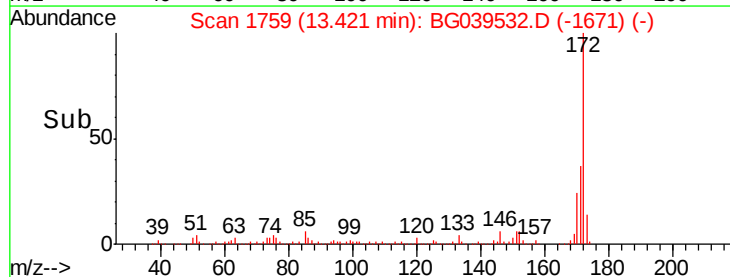
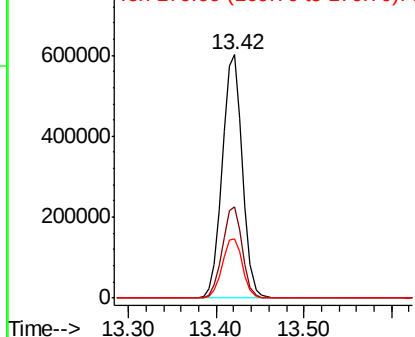


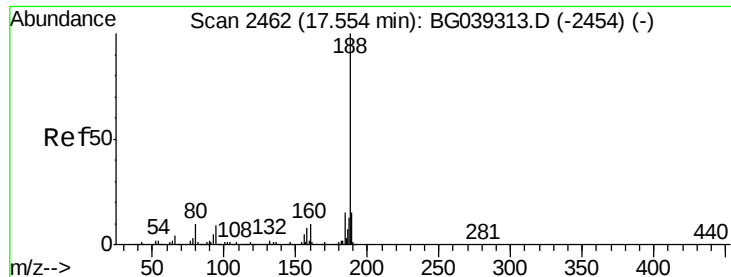
Abundance

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: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA\_G

ClientSampleId :

CL-01-021419-C

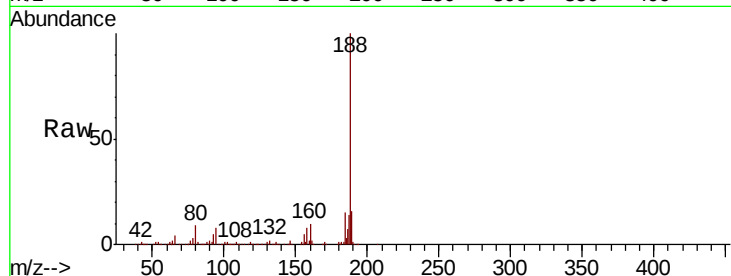
Tot Ion:188 Resp: 362184

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

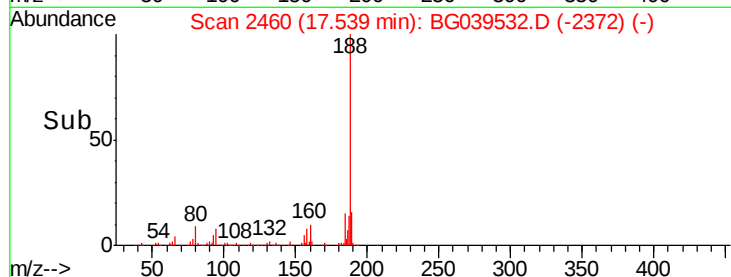
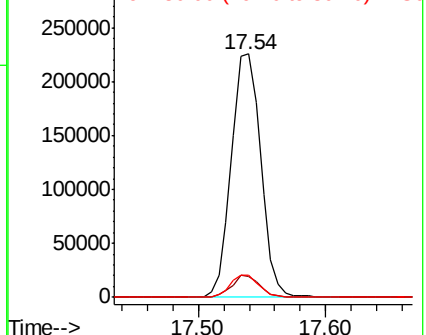
80 9.1 8.1 12.1



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# 3190

Delta R.T. -0.02 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

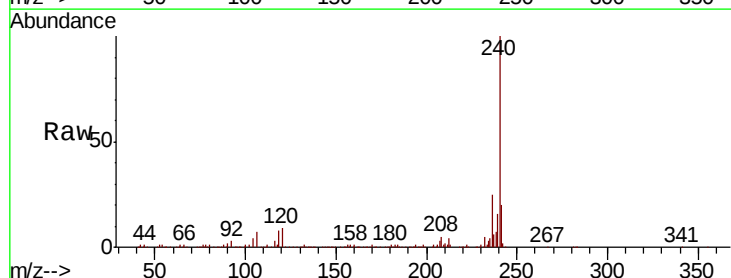
Tgt Ion:240 Resp: 372766

Ion Ratio Lower Upper

240 100

120 8.8 7.0 10.6

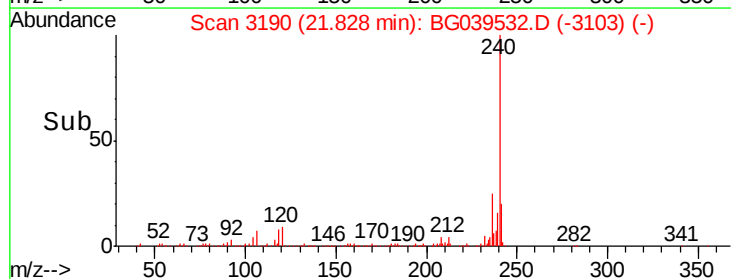
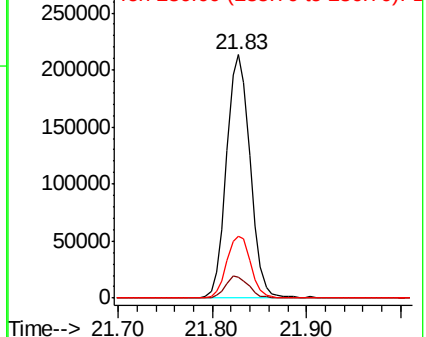
236 25.3 21.0 31.4



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: 85.495 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA\_G

ClientSampleId :

CL-01-021419-C

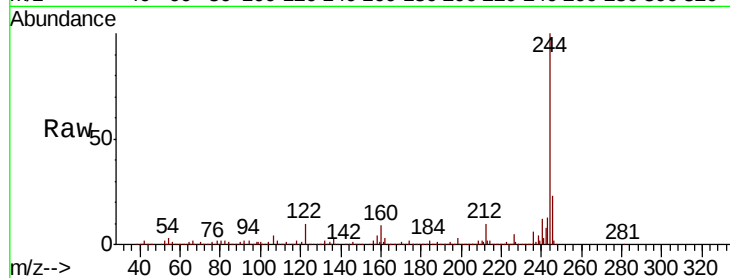
Tot Ion:244 Resp: 1505638

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

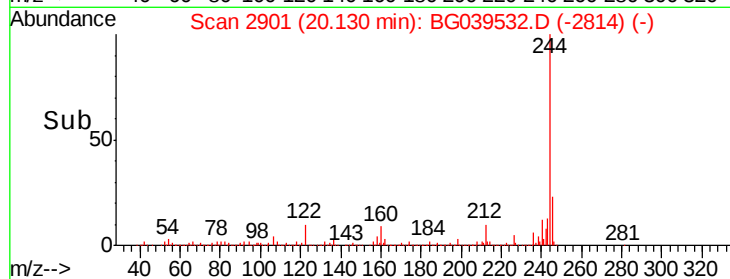
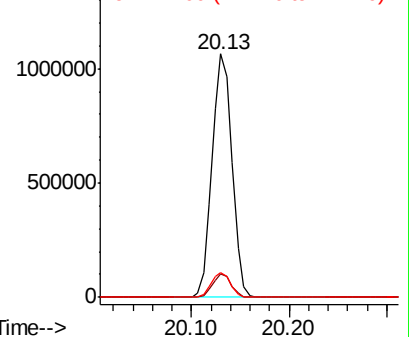
122 10.3 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

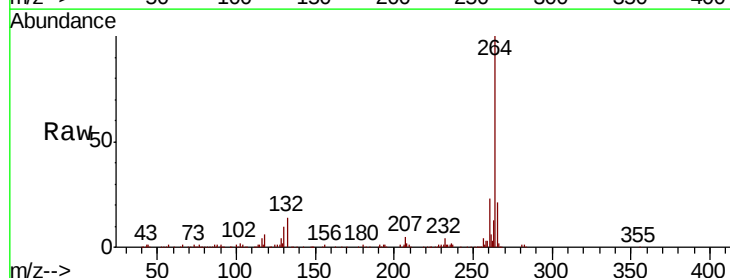
Tgt Ion:264 Resp: 348694

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 21.2 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

