

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
 Data File : BG039383.D  
 Acq On : 7 Feb 2019 15:18  
 Operator : JU/SJ  
 Sample : PB116900BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BL

Quant Time: Feb 08 23:42:43 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  | 49521    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 214503   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.80 | 164  | 137956   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.54 | 188  | 338771   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 381396   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.21 | 264  | 377350   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 392653   | 135.71 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 557651   | 130.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 316438   | 92.16  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 187878   | 126.47 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 802904   | 83.49  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.14 | 244  | 1324407  | 73.50  | ng    | -0.01    |

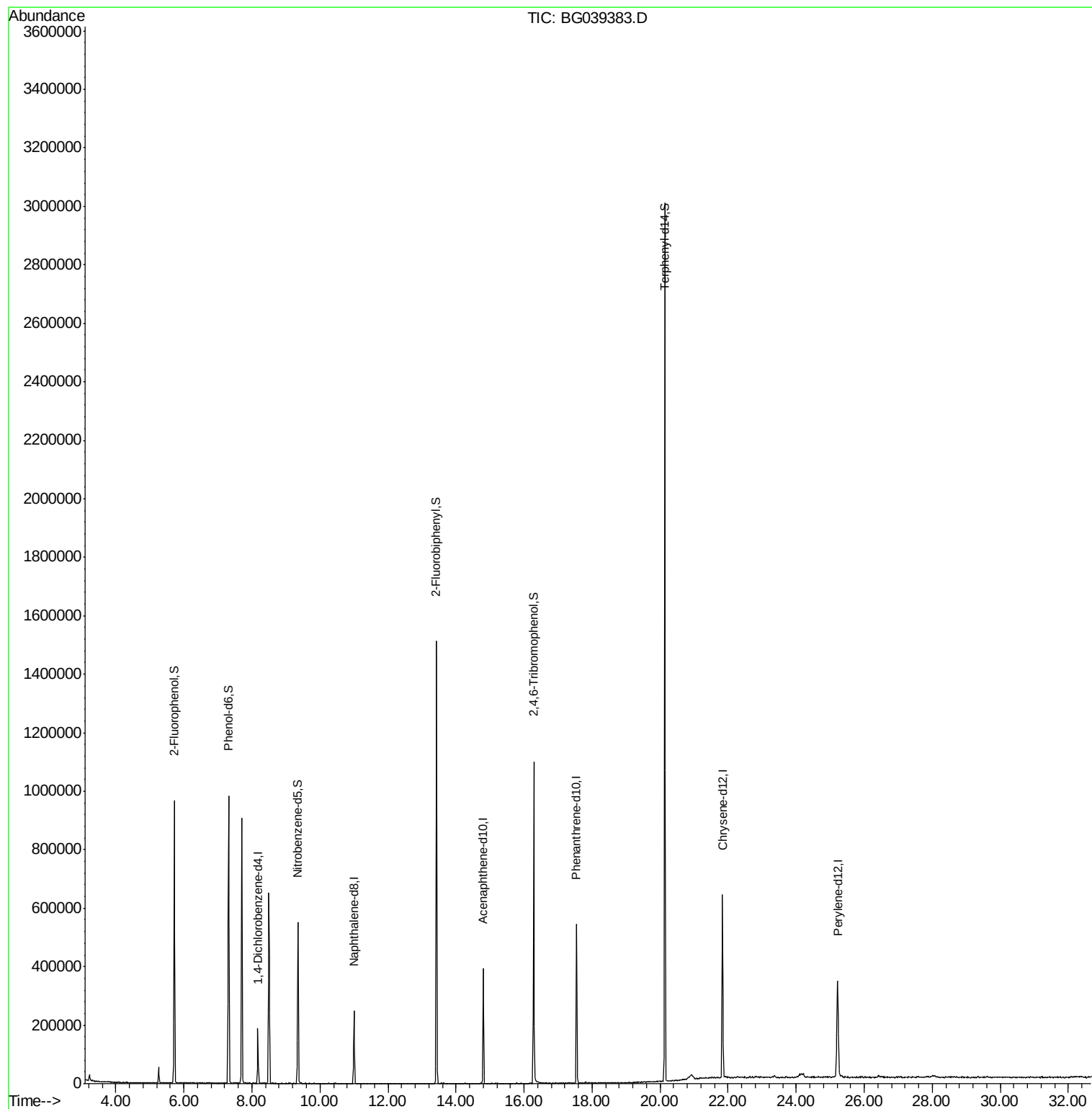
Target Compounds Qvalue

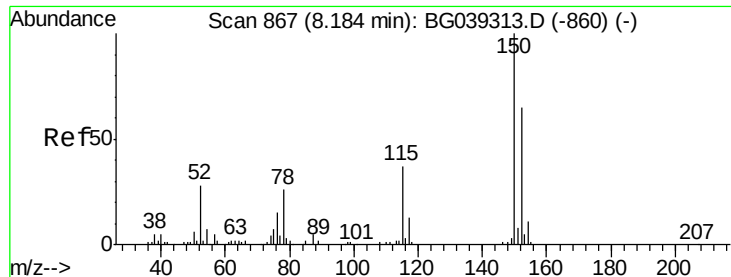
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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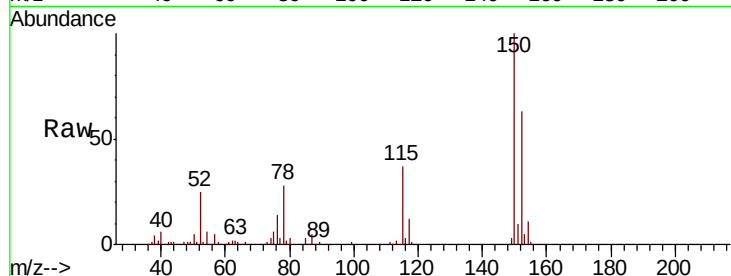


#1

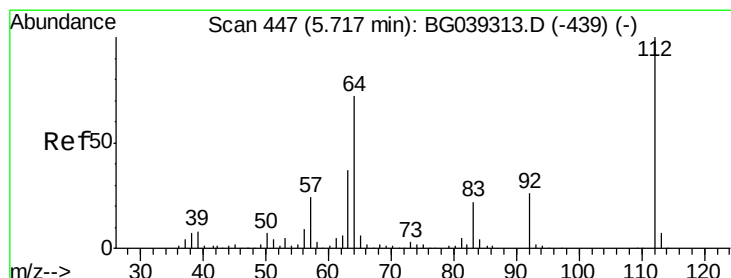
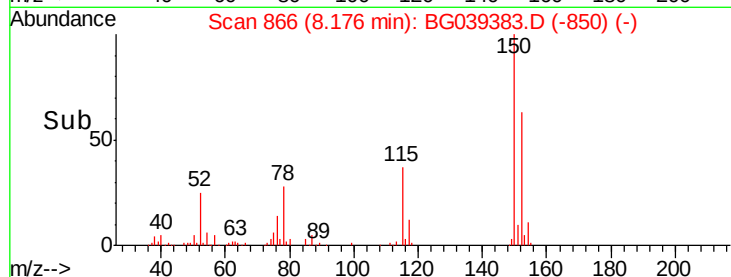
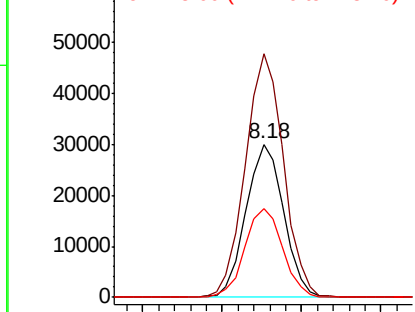
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BG039383.D  
Acq: 7 Feb 2019 15:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BL

Tot Ion:152 Resp: 49521  
Ion Ratio Lower Upper  
152 100  
150 158.9 123.7 185.5  
115 58.2 45.9 68.9



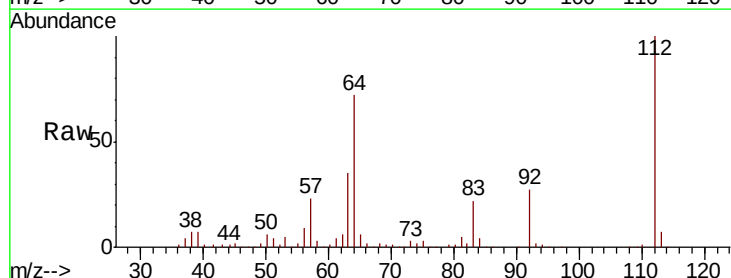
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



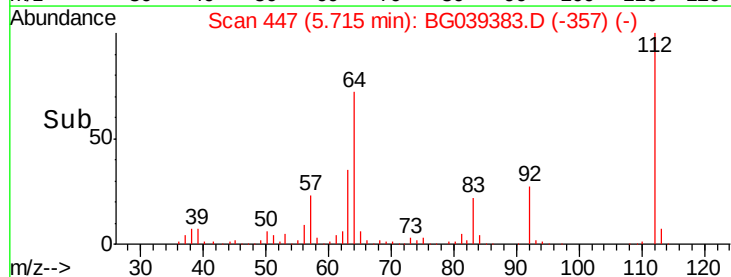
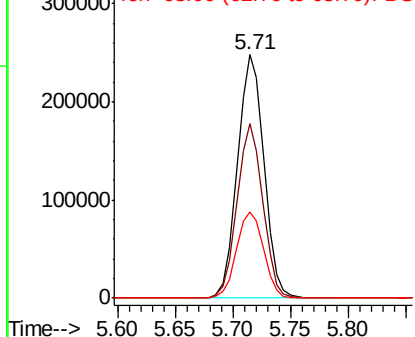
#5

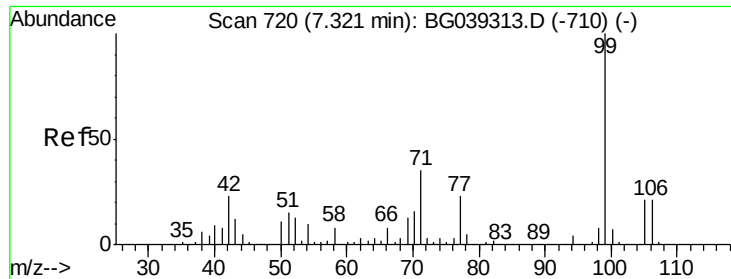
2-Fluorophenol  
Concen: 135.706 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039383.D  
Acq: 7 Feb 2019 15:18

Tgt Ion:112 Resp: 392653  
Ion Ratio Lower Upper  
112 100  
64 71.6 57.8 86.8  
63 35.4 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: 130.934 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039383.D

Acq: 7 Feb 2019 15:18

Instrument :

BNA\_G

ClientSampleId :

PB116900BL

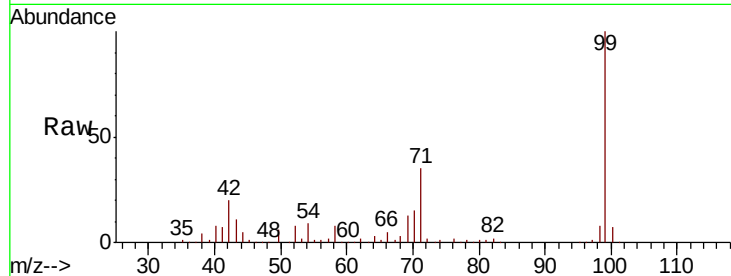
Tot Ion: 99 Resp: 557651

Ion Ratio Lower Upper

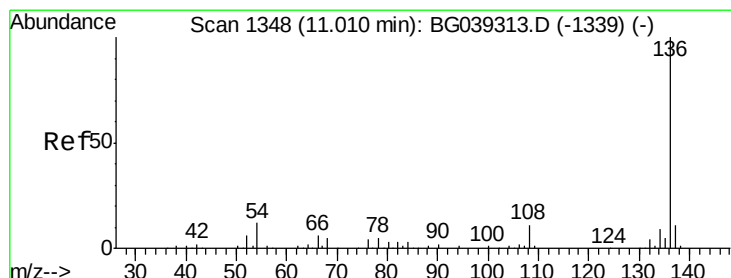
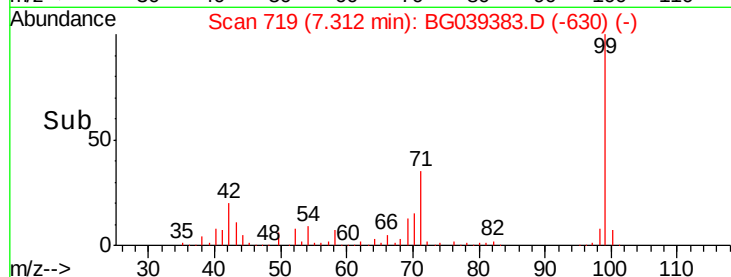
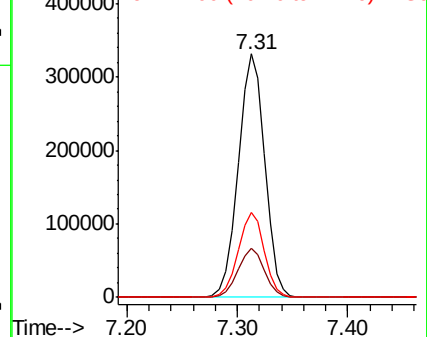
99 100

42 19.9 18.2 27.2

71 34.8 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: BG039383.D

Acq: 7 Feb 2019 15:18

Tgt Ion: 136 Resp: 214503

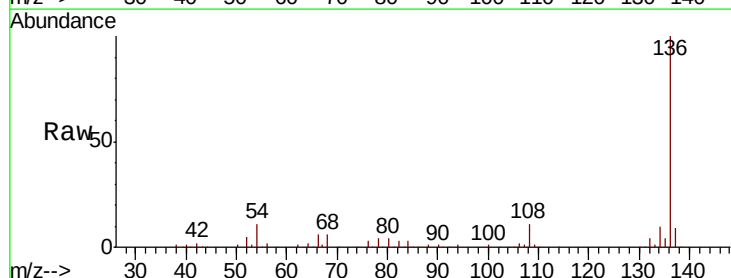
Ion Ratio Lower Upper

136 100

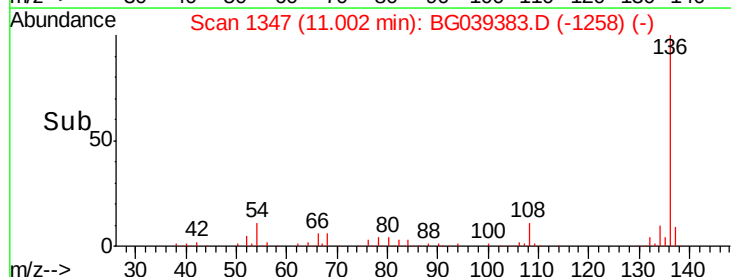
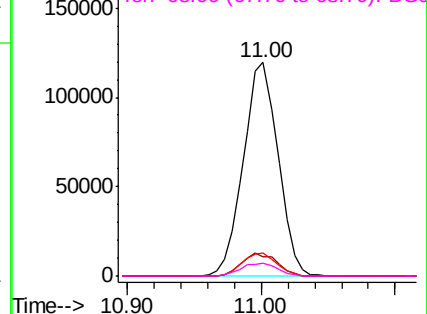
137 9.3 9.1 13.7

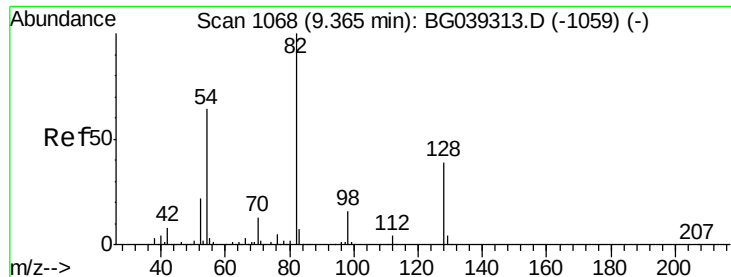
54 10.8 9.4 14.2

68 6.1 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

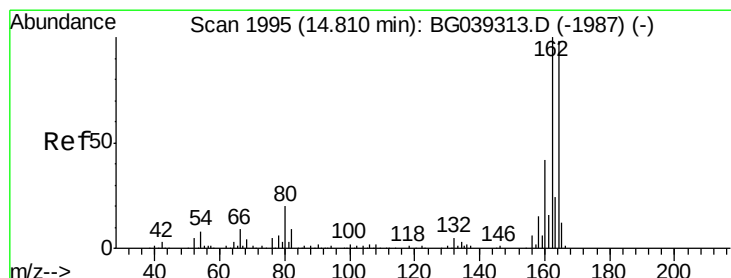
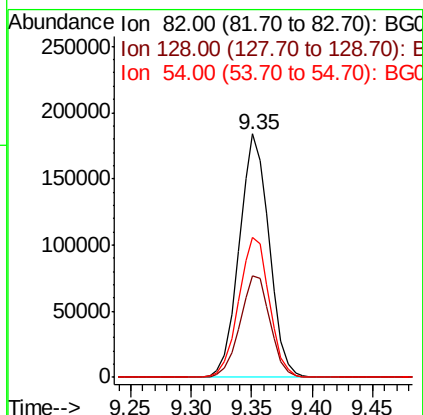
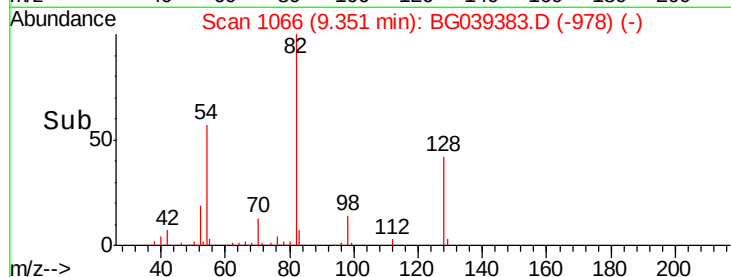
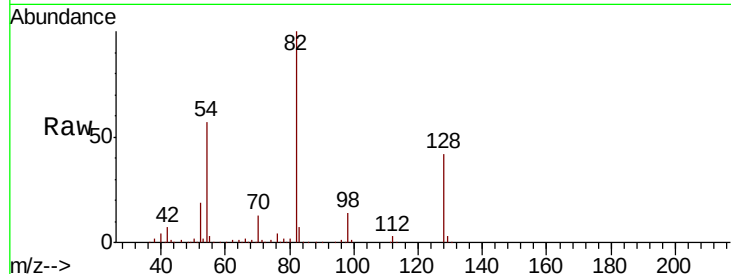




#23  
Nitrobenzene-d5  
Concen: 92.159 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039383.D  
Acq: 7 Feb 2019 15:18

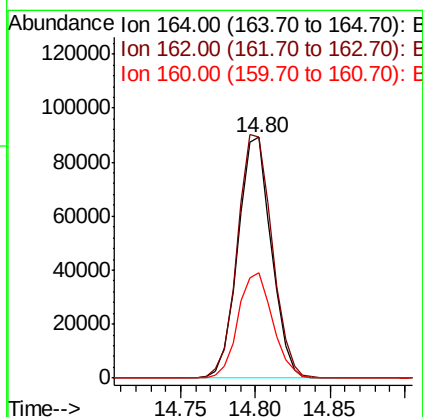
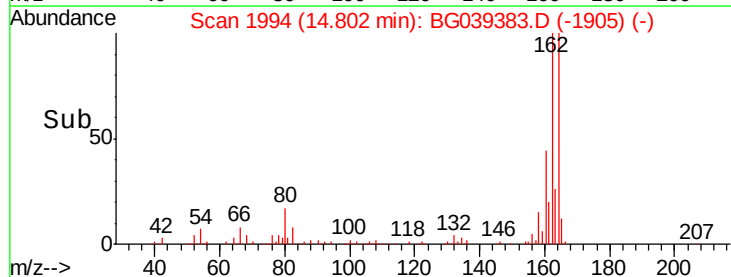
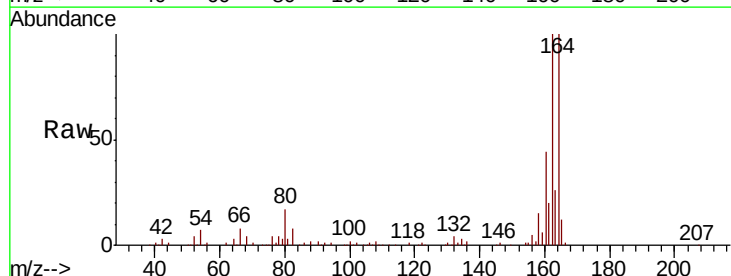
Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BL

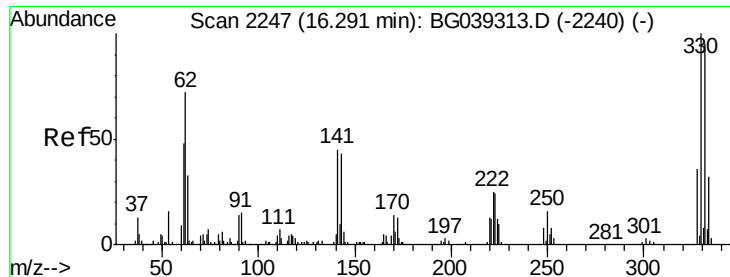
| Tot Ion   | 82    | Resp  | 316438 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.8  | 31.3  | 46.9   |
| 54        | 57.5  | 50.9  | 76.3   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BG039383.D  
Acq: 7 Feb 2019 15:18

| Tgt Ion   | 164   | Resp  | 137956 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.2 | 81.6  | 122.4  |
| 160       | 43.7  | 34.2  | 51.2   |

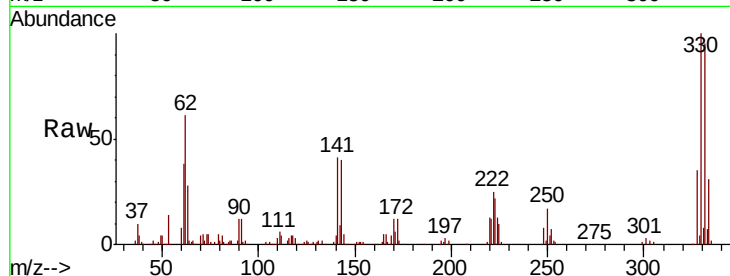




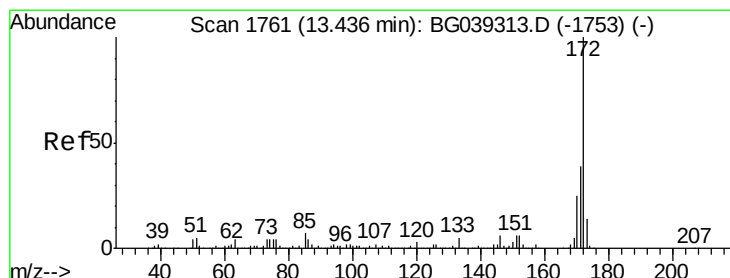
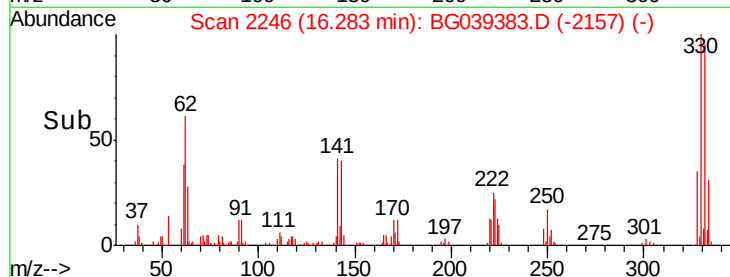
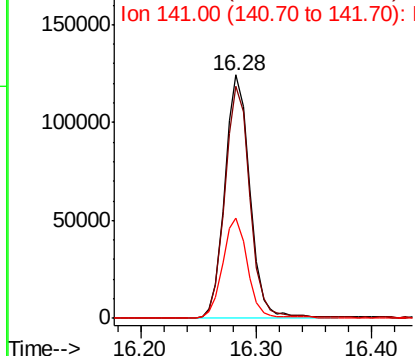
#42  
 2,4,6-Tribromophenol  
 Concen: 126.470 ng  
 RT: 16.28 min Scan# 2246  
 Delta R.T. -0.01 min  
 Lab File: BG039383.D  
 Acq: 7 Feb 2019 15:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BL

Tot Ion:330 Resp: 187878  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 75.7 113.5  
 141 40.8 35.6 53.4

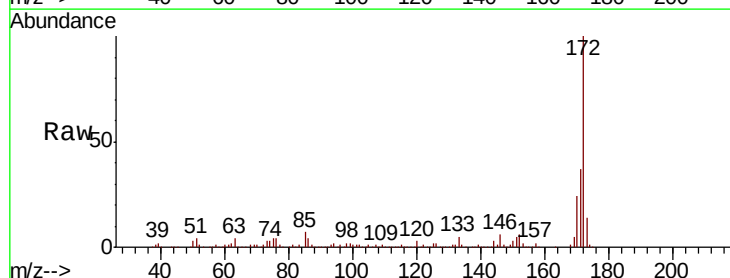


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

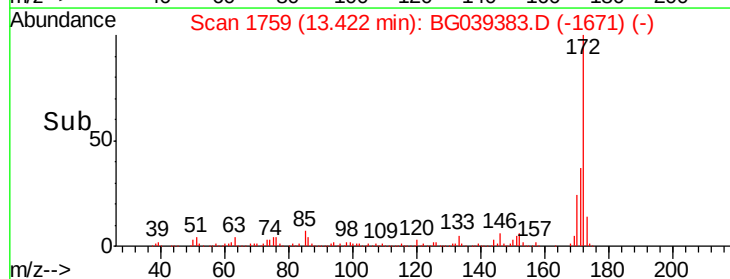
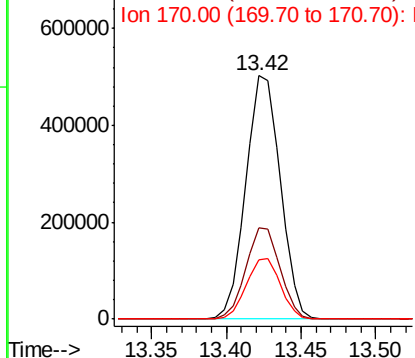


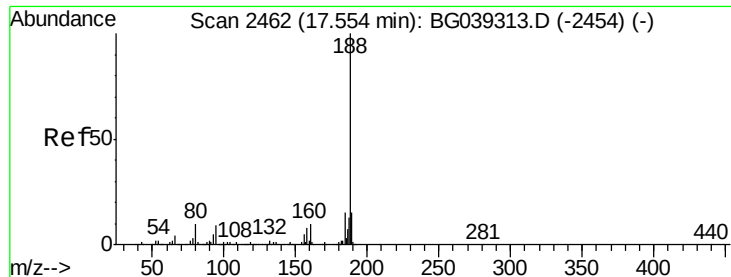
#45  
 2-Fluorobiphenyl  
 Concen: 83.491 ng  
 RT: 13.42 min Scan# 1759  
 Delta R.T. -0.01 min  
 Lab File: BG039383.D  
 Acq: 7 Feb 2019 15:18

Tgt Ion:172 Resp: 802904  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 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: BG039383.D

Acq: 7 Feb 2019 15:18

Instrument :

BNA\_G

ClientSampleId :

PB116900BL

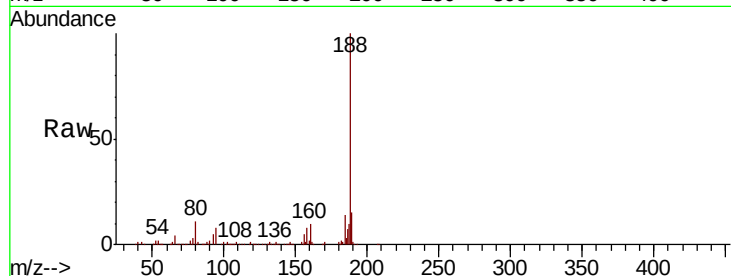
Tot Ion:188 Resp: 338771

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

80 10.6 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

300000

250000

200000

150000

100000

50000

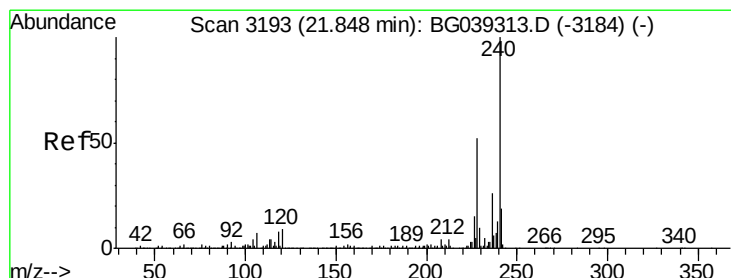
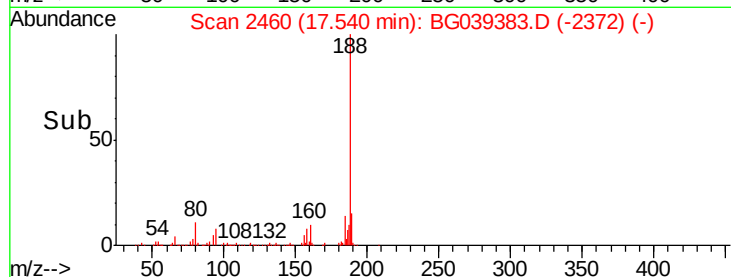
0

17.54

17.50

17.60

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BG039383.D

Acq: 7 Feb 2019 15:18

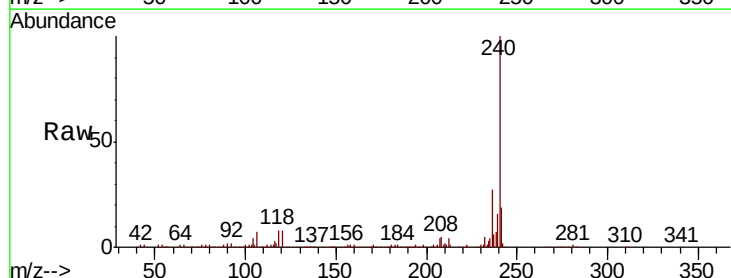
Tgt Ion:240 Resp: 381396

Ion Ratio Lower Upper

240 100

120 8.3 7.0 10.6

236 27.1 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

300000

250000

200000

150000

100000

50000

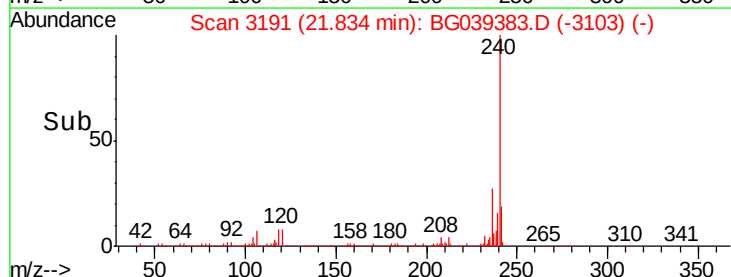
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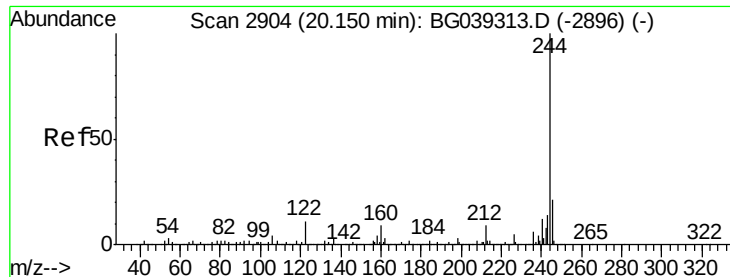
21.83

21.80

21.90

Time-->





#79

Terphenyl-d14

Concen: 73.503 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039383.D

Acq: 7 Feb 2019 15:18

Instrument :

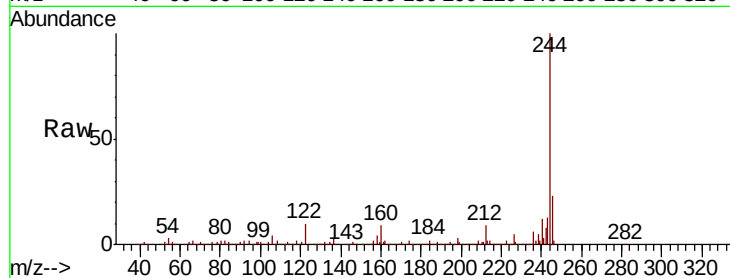
BNA\_G

ClientSampleId :

PB116900BL

Tot Ion:244 Resp: 1324407

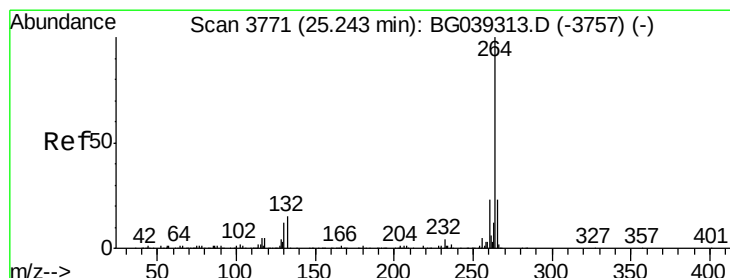
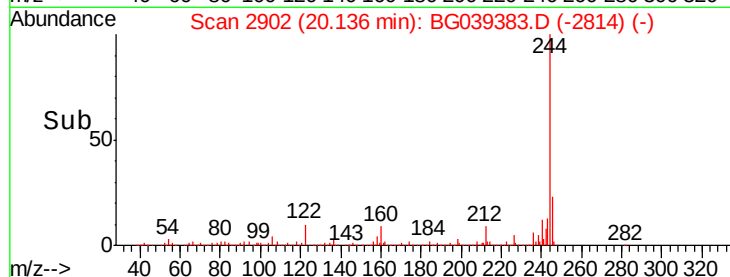
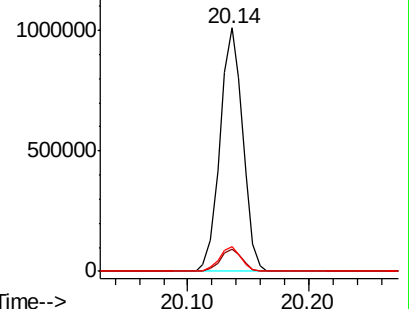
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.0   | 7.3   | 10.9  |
| 122 | 10.2  | 8.4   | 12.6  |



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

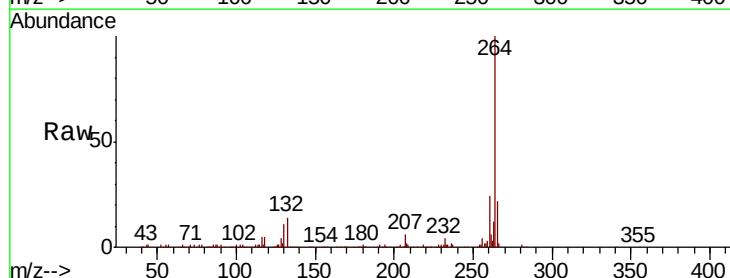
Delta R.T. -0.03 min

Lab File: BG039383.D

Acq: 7 Feb 2019 15:18

Tgt Ion:264 Resp: 377350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 18.2  | 27.4  |
| 265 | 22.5  | 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

