

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\  
 Data File : BG039916.D  
 Acq On : 14 Mar 2019 00:02  
 Operator : JU/SJ  
 Sample : K1870-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-2

Quant Time: Mar 14 04:48:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 43821    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.97 | 136  | 179283   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 118283   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.52 | 188  | 287607   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 318322   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.16 | 264  | 315357   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 317277   | 123.52 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 396580   | 103.55 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 323485   | 97.59  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 191831   | 139.14 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.39 | 172  | 766135   | 92.22  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1286252  | 88.97  | ng    | -0.02    |

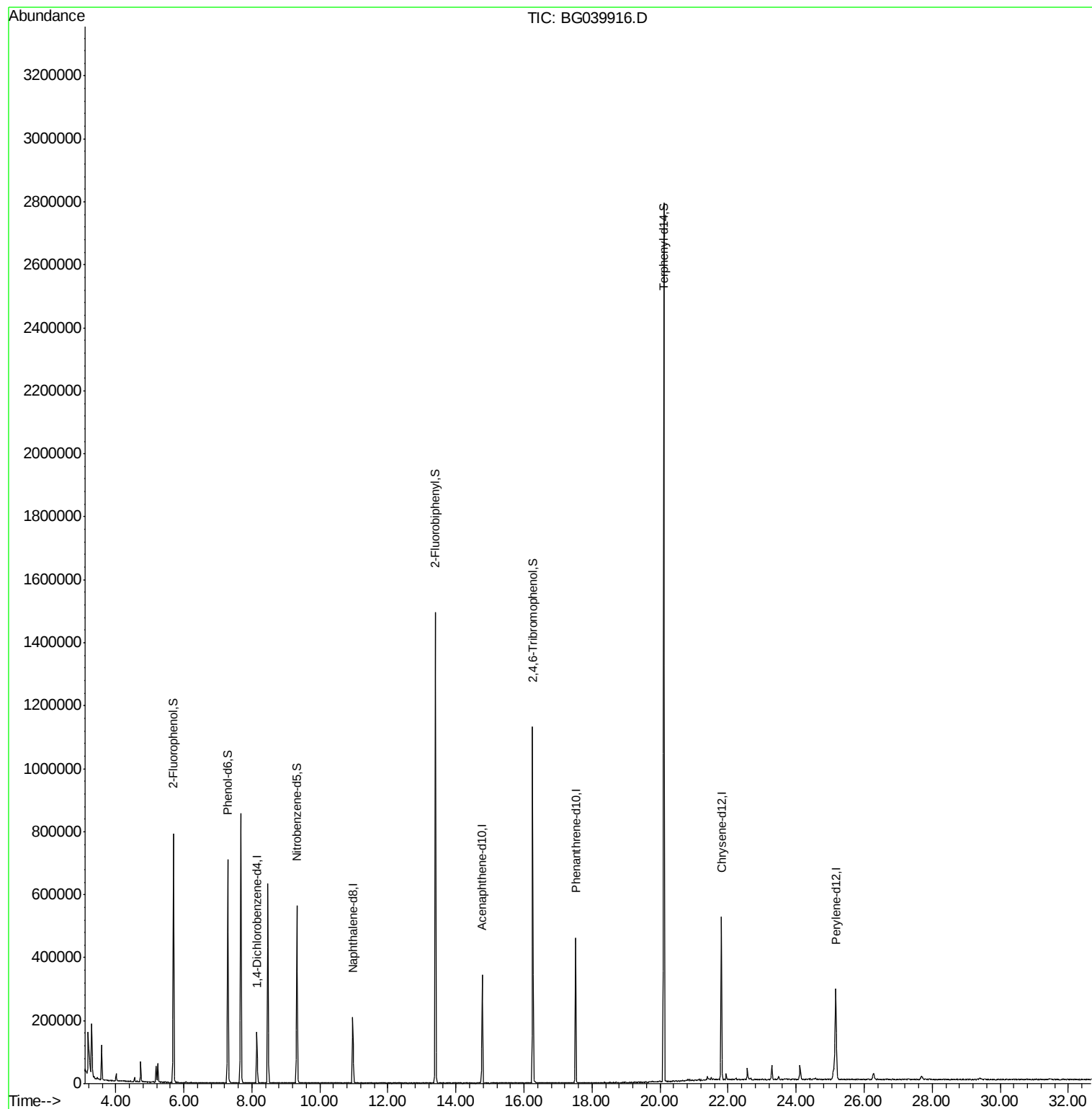
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA\_G

ClientSampleId :

SP-2

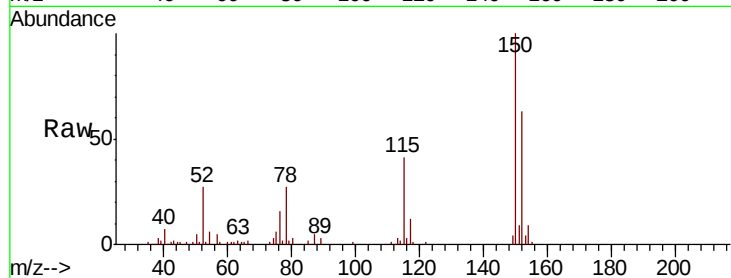
Tot Ion:152 Resp: 43821

Ion Ratio Lower Upper

152 100

150 157.5 123.7 185.5

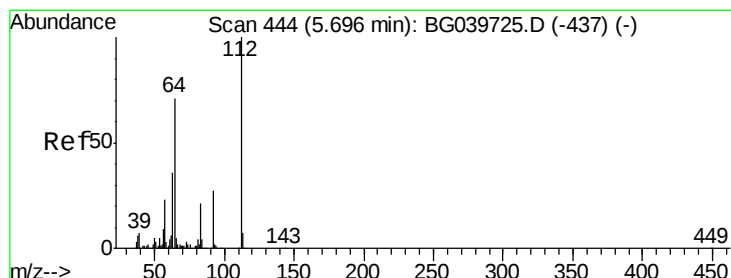
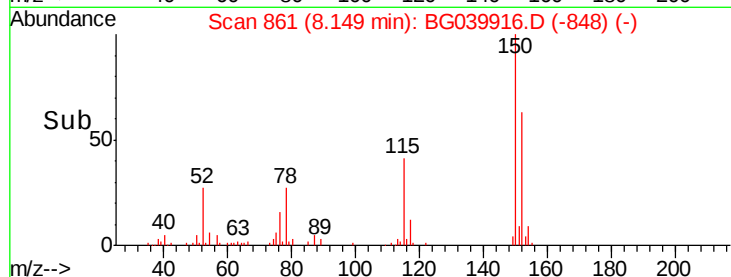
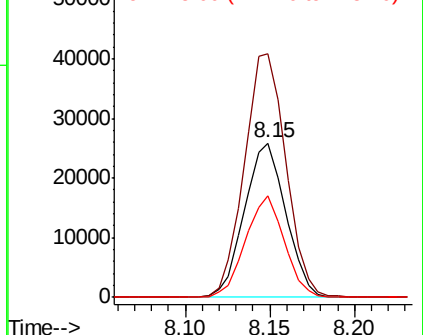
115 65.3 45.9 68.9



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: 123.520 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

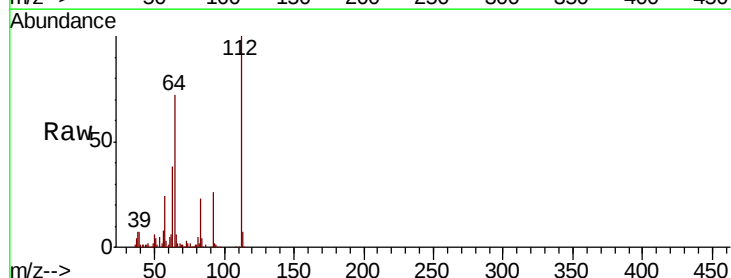
Tgt Ion:112 Resp: 317277

Ion Ratio Lower Upper

112 100

64 71.7 57.8 86.8

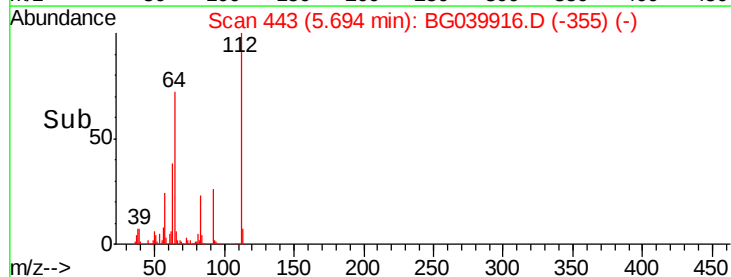
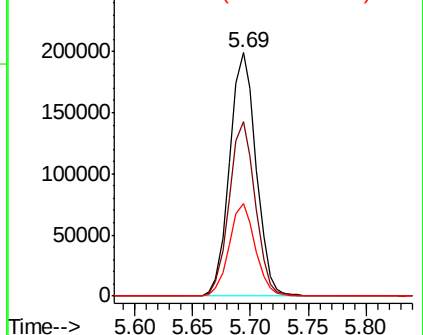
63 37.9 29.8 44.6



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: 103.546 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA\_G

ClientSampleId :

SP-2

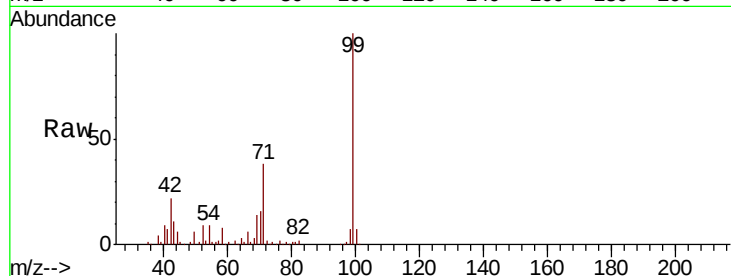
Tot Ion: 99 Resp: 396580

Ion Ratio Lower Upper

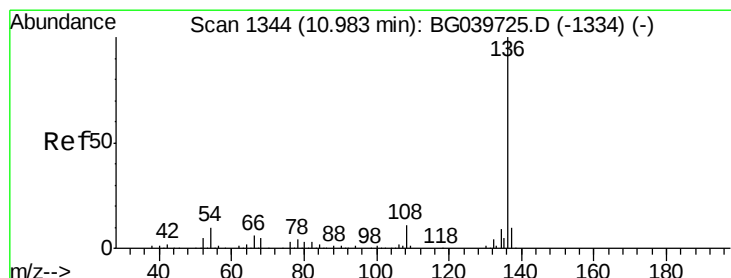
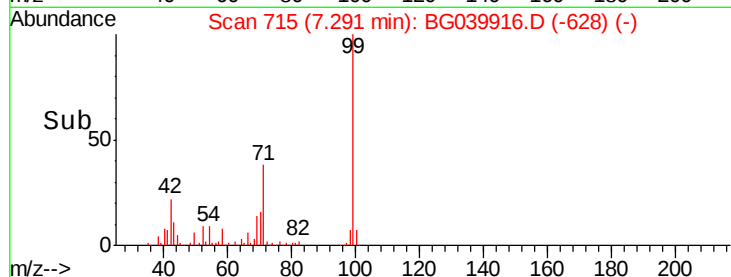
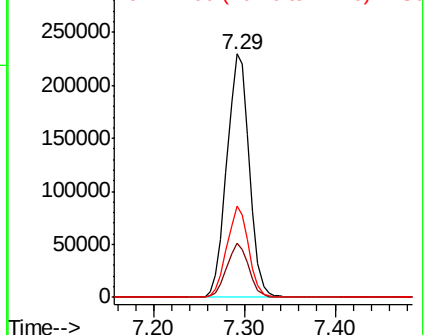
99 100

42 22.2 18.2 27.2

71 37.6 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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Tgt Ion: 136 Resp: 179283

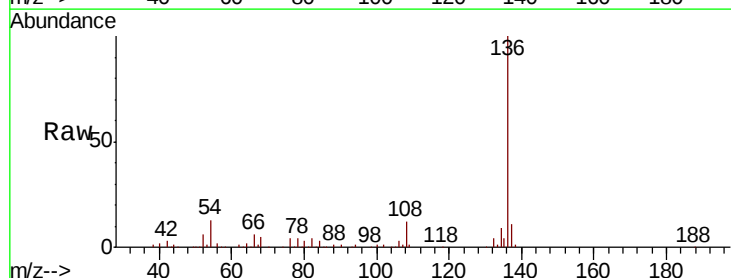
Ion Ratio Lower Upper

136 100

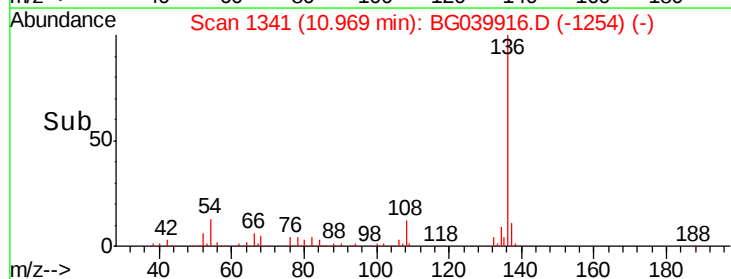
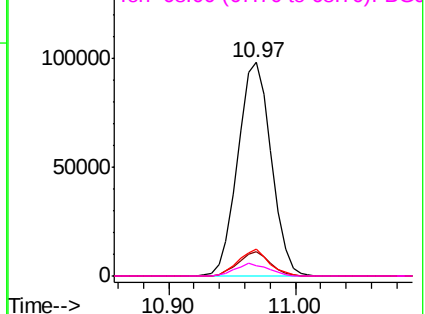
137 11.2 9.1 13.7

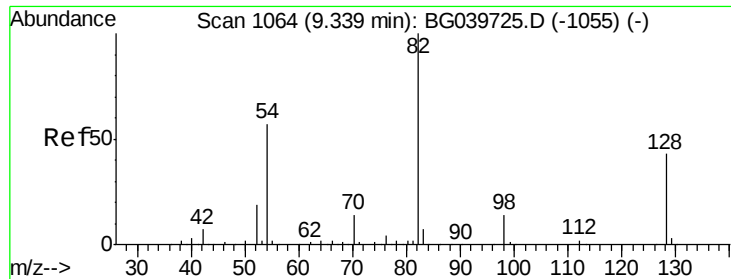
54 12.7 9.4 14.2

68 5.0 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

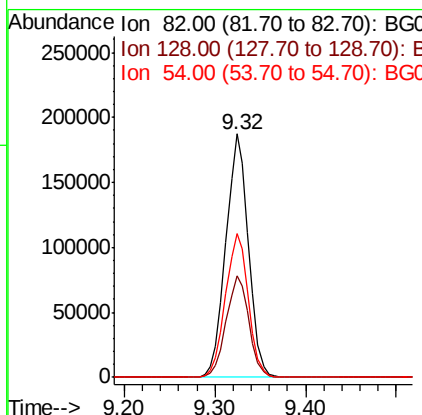
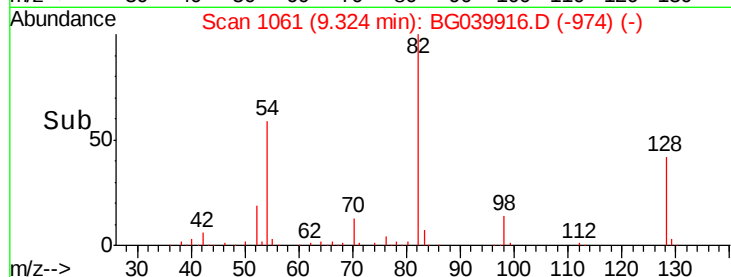
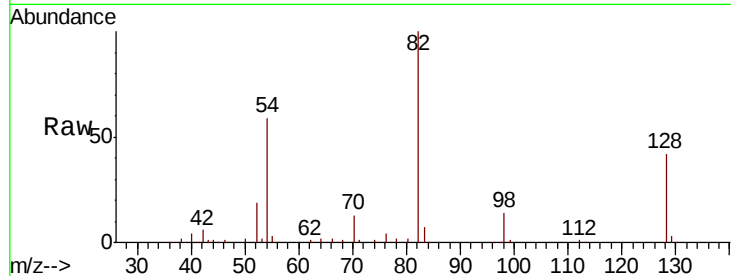




#23  
Nitrobenzene-d5  
Concen: 97.585 ng  
RT: 9.32 min Scan# 1061  
Delta R.T. -0.02 min  
Lab File: BG039916.D  
Acq: 14 Mar 2019 00:02

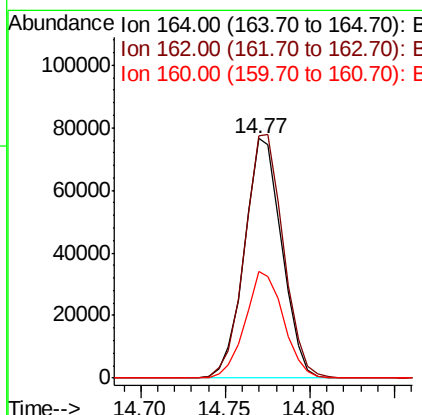
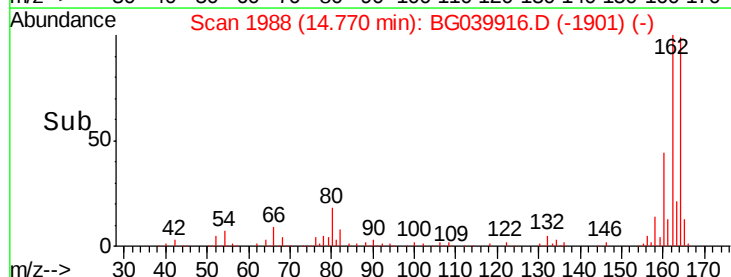
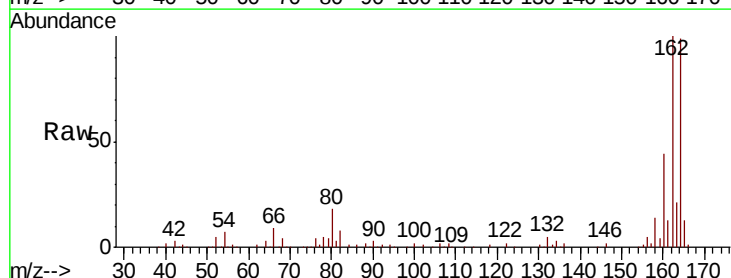
Instrument :  
BNA\_G  
ClientSampleId :  
SP-2

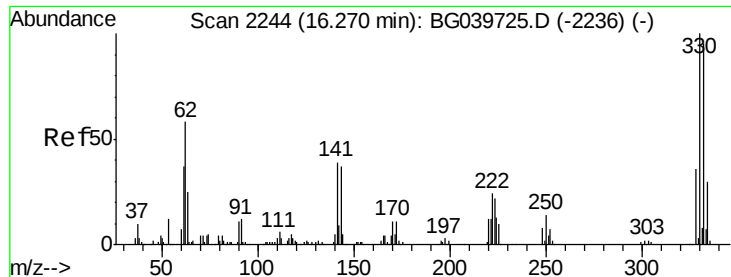
| Tot Ion   | 82    | Resp  | 323485 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.6  | 31.3  | 46.9   |
| 54        | 58.9  | 50.9  | 76.3   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1988  
Delta R.T. -0.02 min  
Lab File: BG039916.D  
Acq: 14 Mar 2019 00:02

| Tgt Ion   | 164   | Resp  | 118283 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.1 | 81.6  | 122.4  |
| 160       | 44.4  | 34.2  | 51.2   |

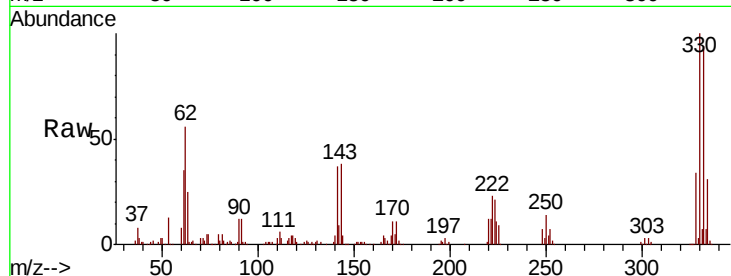




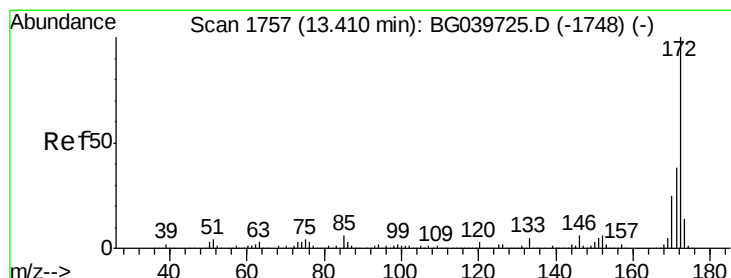
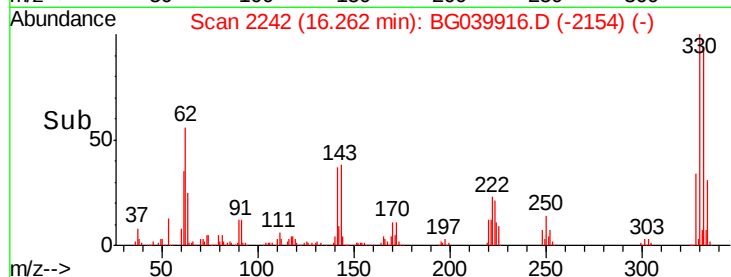
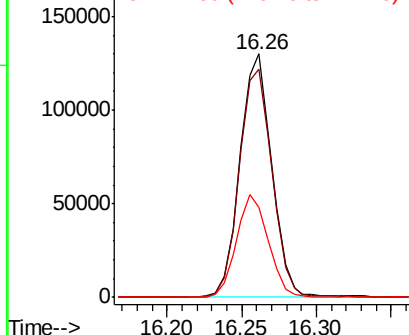
#42  
 2,4,6-Tribromophenol  
 Concen: 139.142 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. -0.02 min  
 Lab File: BG039916.D  
 Acq: 14 Mar 2019 00:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-2

Tot Ion:330 Resp: 191831  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 75.7 113.5  
 141 42.6 35.6 53.4

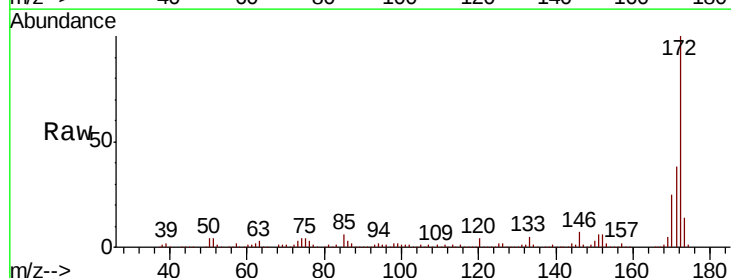


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

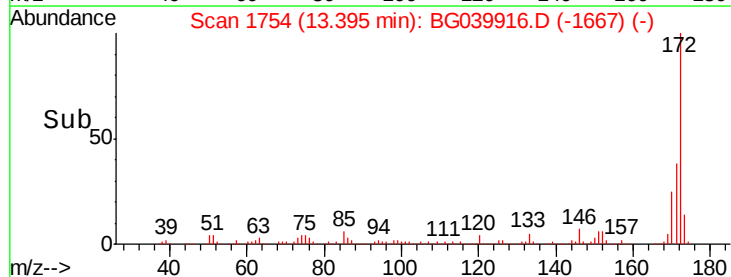
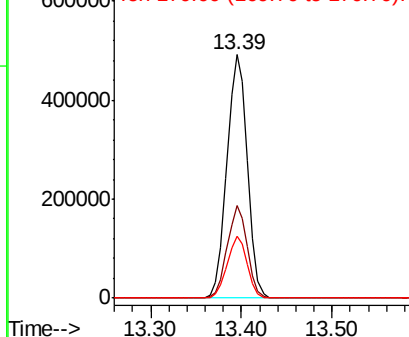


#45  
 2-Fluorobiphenyl  
 Concen: 92.223 ng  
 RT: 13.39 min Scan# 1754  
 Delta R.T. -0.02 min  
 Lab File: BG039916.D  
 Acq: 14 Mar 2019 00:02

Tgt Ion:172 Resp: 766135  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 30.8 46.2  
 170 25.2 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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA\_G

ClientSampleId :

SP-2

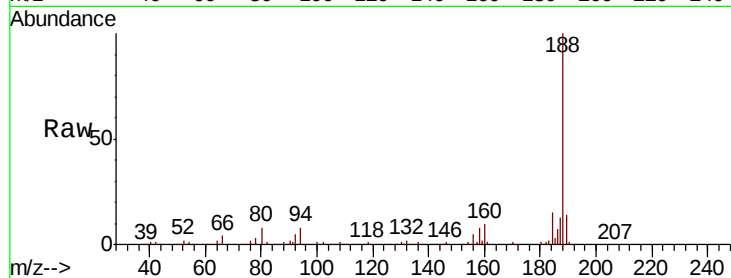
Tot Ion:188 Resp: 287607

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

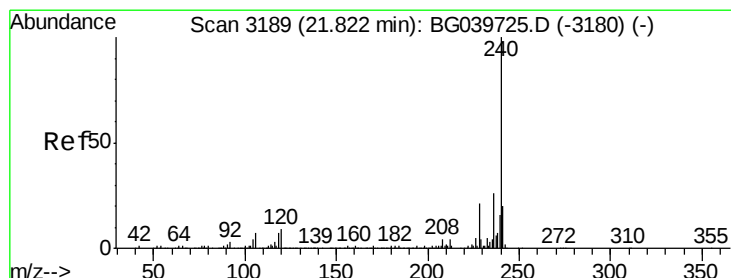
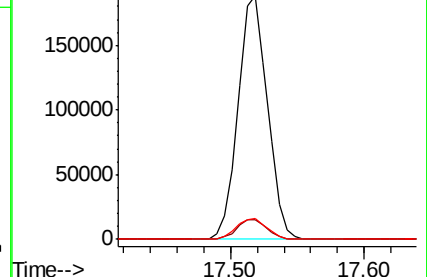
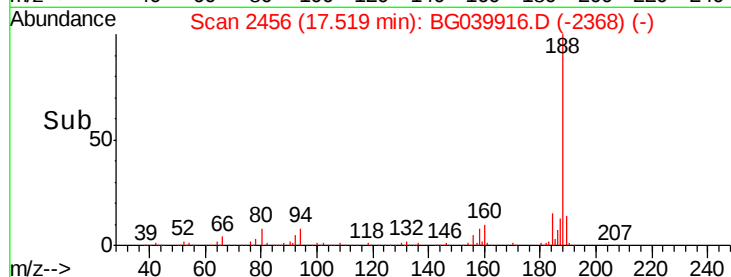
80 8.4 8.1 12.1



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: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

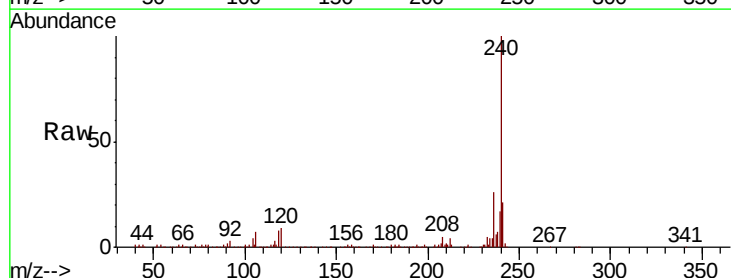
Tgt Ion:240 Resp: 318322

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

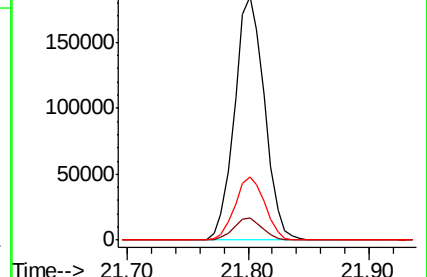
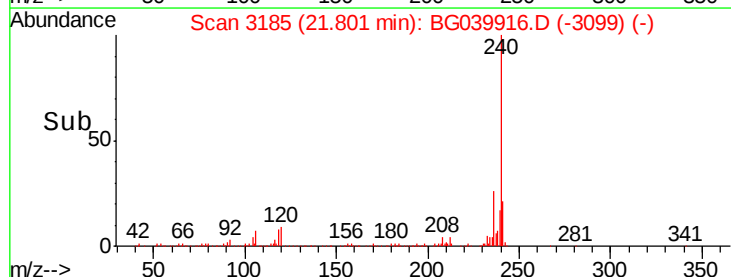
236 26.1 21.0 31.4

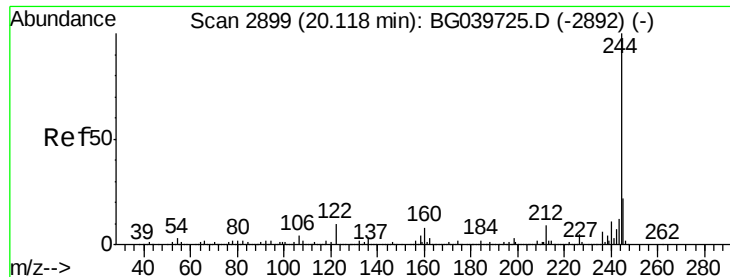


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 88.969 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

Instrument :

BNA\_G

ClientSampleId :

SP-2

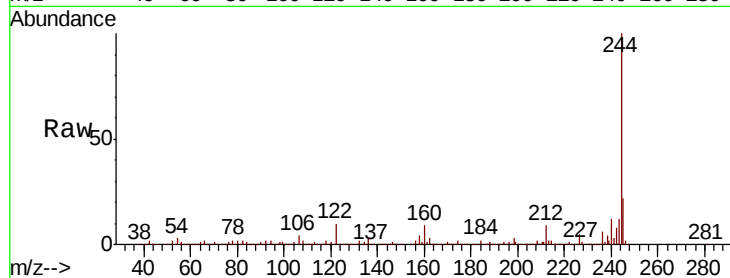
Tot Ion:244 Resp: 1286252

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.0   | 7.3   | 10.9  |
| 122 | 9.7   | 8.4   | 12.6  |

244 100

212 9.0 7.3 10.9

122 9.7 8.4 12.6

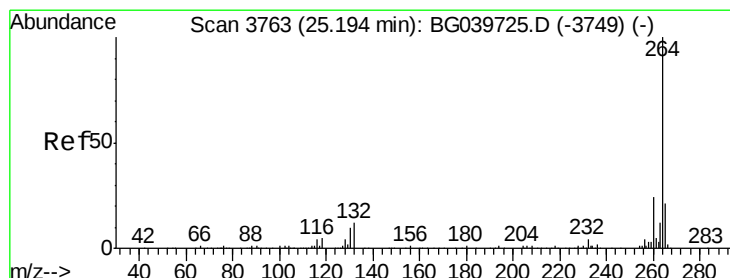
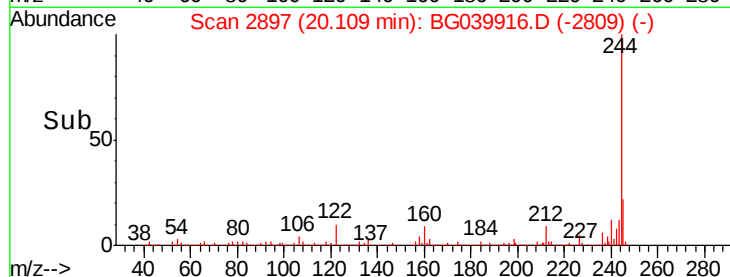
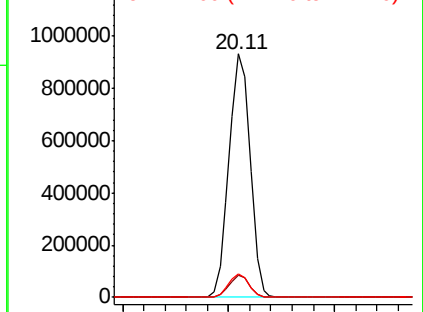


Abundance

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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG039916.D

Acq: 14 Mar 2019 00:02

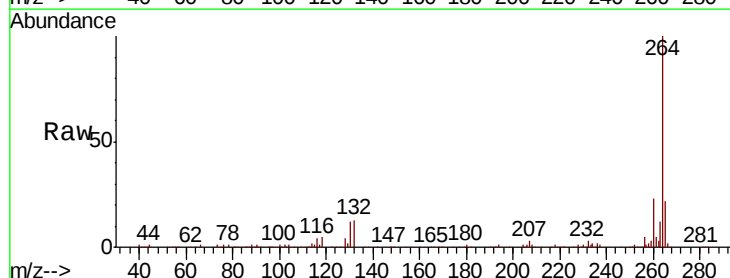
Tgt Ion:264 Resp: 315357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.2  | 27.4  |
| 265 | 22.1  | 18.5  | 27.7  |

264 100

260 22.5 18.2 27.4

265 22.1 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

