

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\  
 Data File : BG039115.D  
 Acq On : 12 Jan 2019 12:26  
 Operator : JU/SJ  
 Sample : K1119-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DS-C

Quant Time: Jan 14 10:37:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 09 14:23:53 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 20343    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 89102    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 79638    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 221033   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.68 | 240  | 212666   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.96 | 264  | 228139   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 151849   | 141.60 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 188935   | 122.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 144373   | 88.66  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 169531   | 126.99 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 444135   | 76.32  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1035553  | 90.08  | ng    | 0.00     |

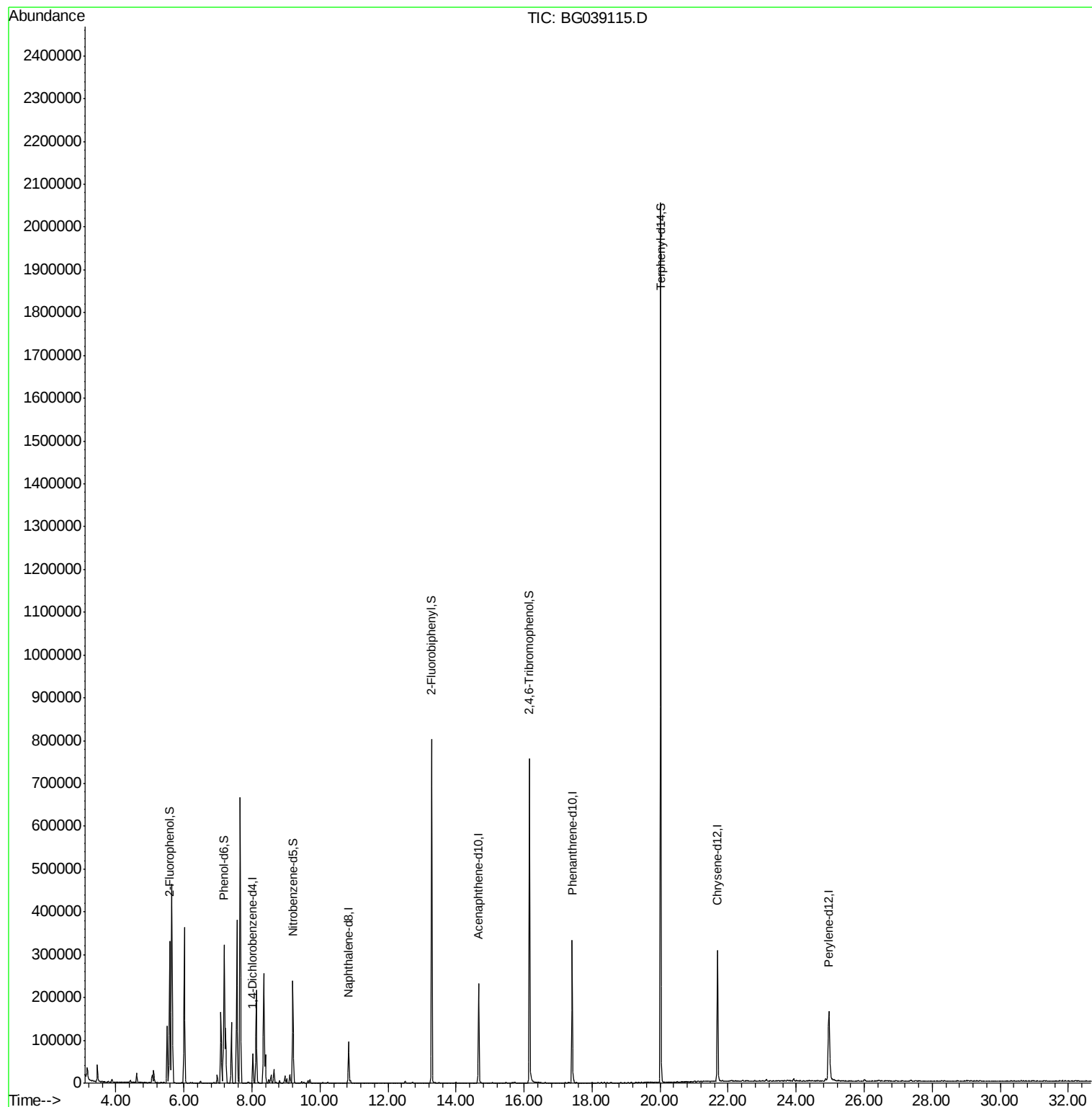
Target Compounds Qvalue

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

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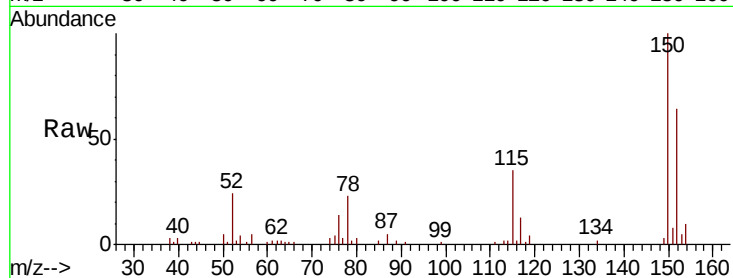


#1

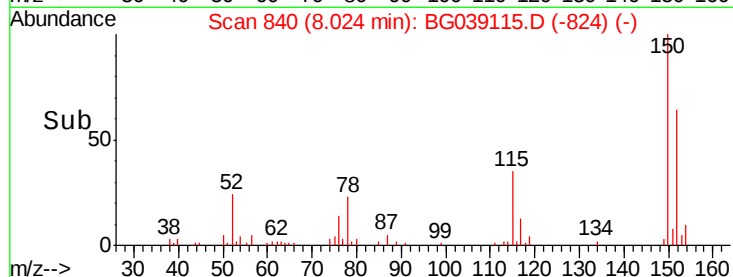
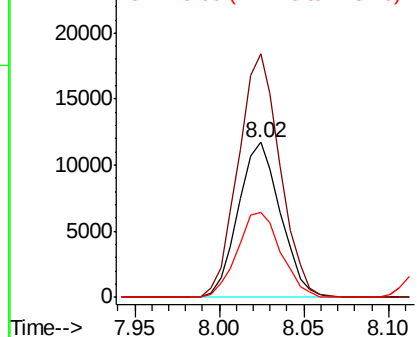
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BG039115.D  
Acq: 12 Jan 2019 12:26

Instrument :  
BNA\_G  
ClientSampleId :  
DS-C

Tot Ion:152 Resp: 20343  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.7 187.1  
115 55.0 46.5 69.7



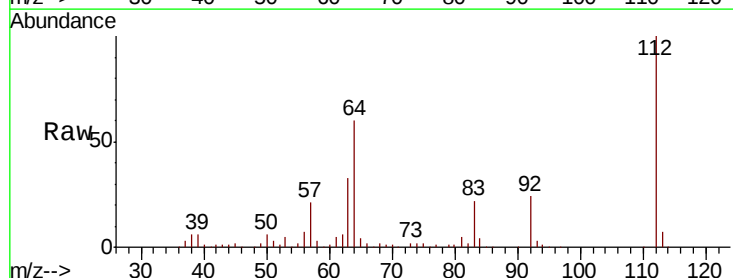
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



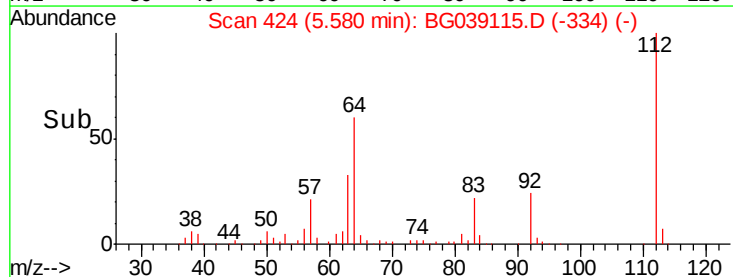
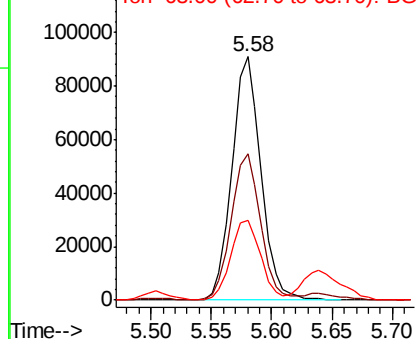
#5

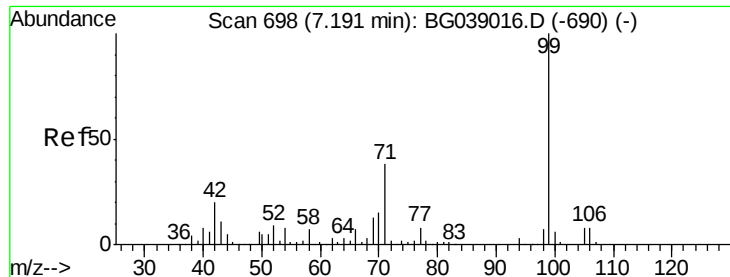
2-Fluorophenol  
Concen: 141.599 ng  
RT: 5.58 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: BG039115.D  
Acq: 12 Jan 2019 12:26

Tgt Ion:112 Resp: 151849  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.0 70.6  
63 32.5 28.0 42.0



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: 122.422 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA\_G

ClientSampleId :

DS-C

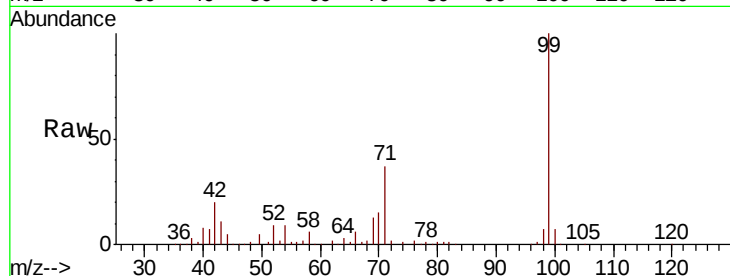
Tot Ion: 99 Resp: 188935

Ion Ratio Lower Upper

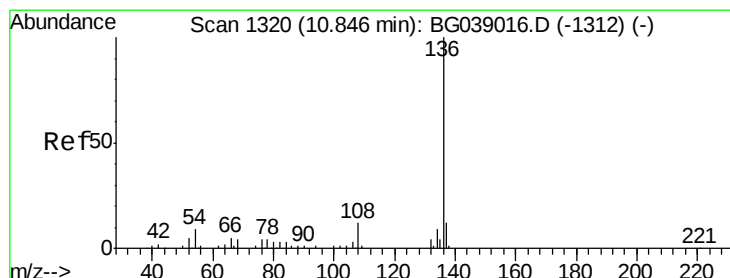
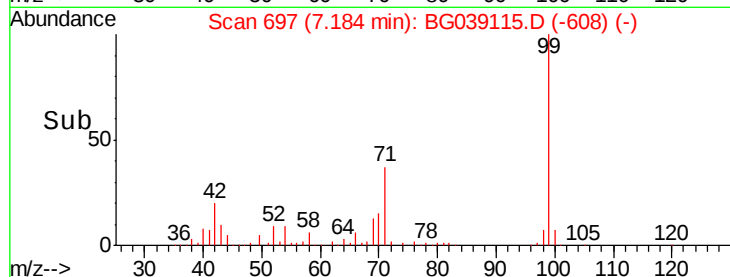
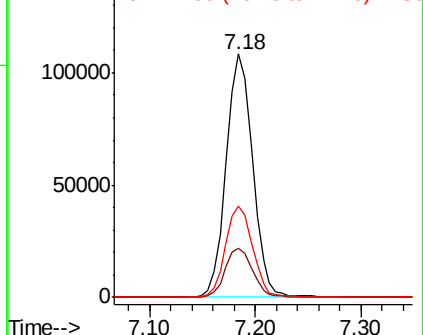
99 100

42 20.4 15.8 23.6

71 37.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Tgt Ion: 136 Resp: 89102

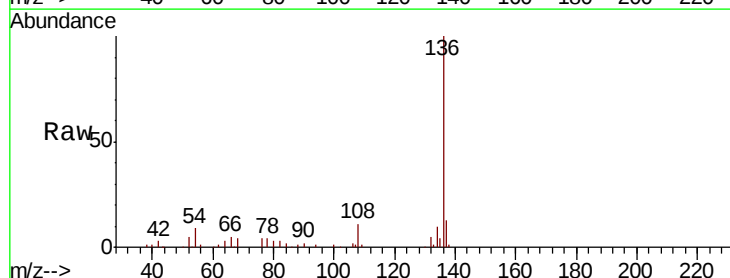
Ion Ratio Lower Upper

136 100

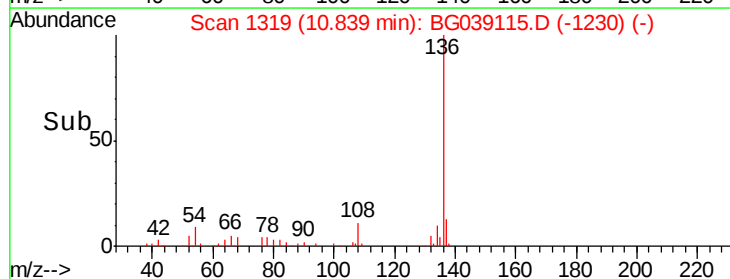
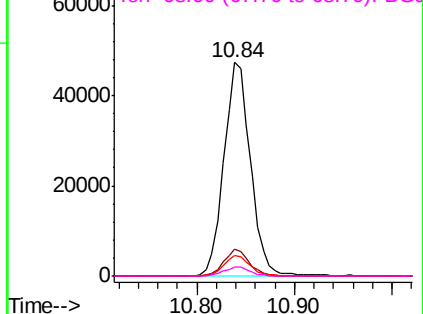
137 12.7 9.4 14.2

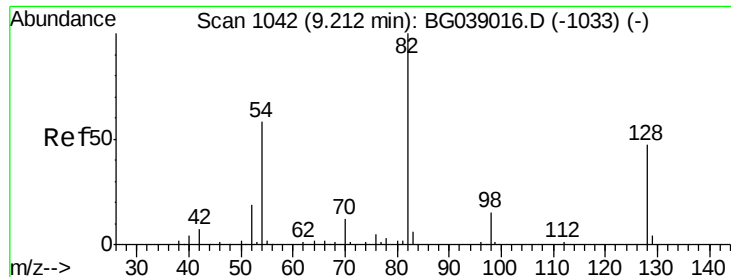
54 9.4 7.2 10.8

68 4.1 3.5 5.3



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

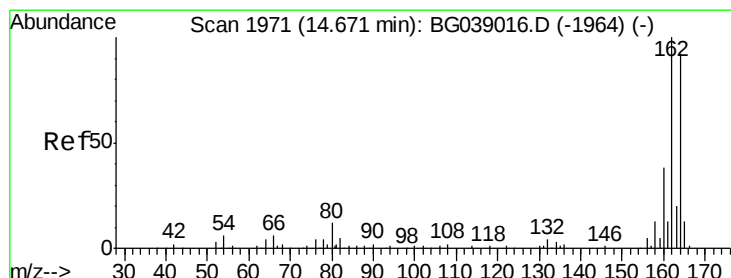
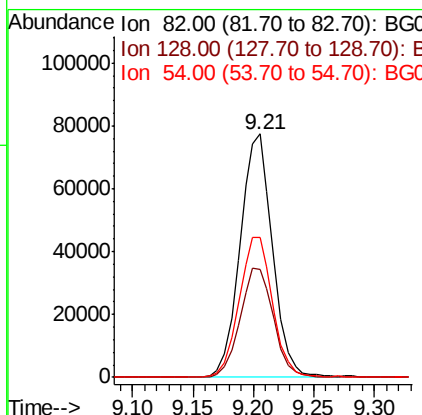
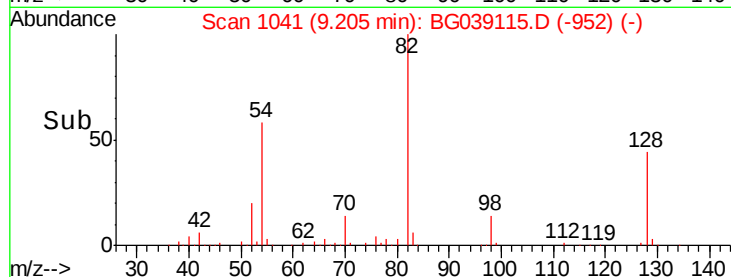
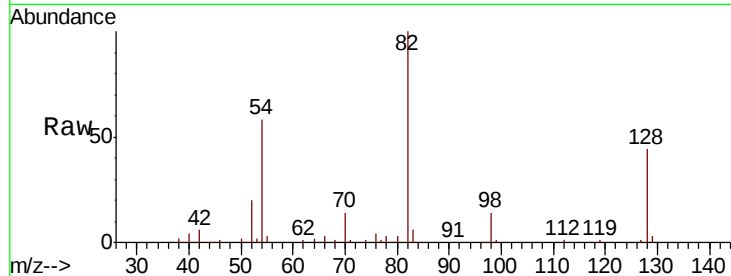




#23  
 Nitrobenzene-d5  
 Concen: 88.663 ng  
 RT: 9.21 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BG039115.D  
 Acq: 12 Jan 2019 12:26

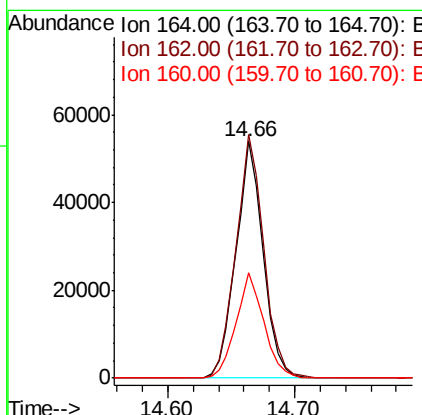
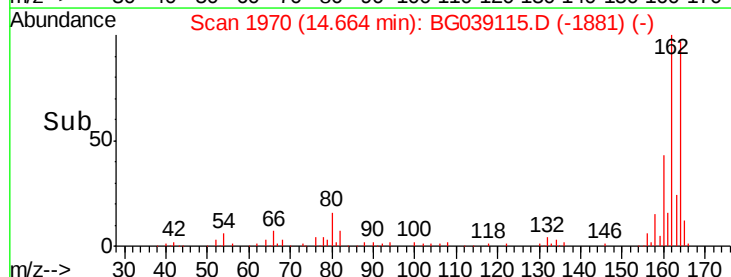
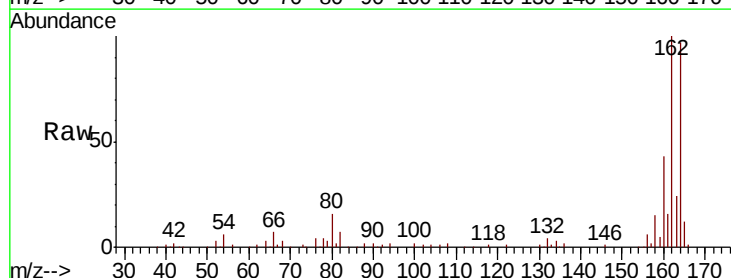
Instrument :  
 BNA\_G  
 ClientSampled :  
 DS-C

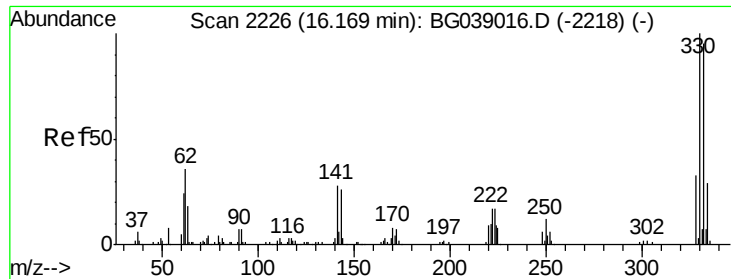
Tot Ion: 82 Resp: 144373  
 Ion Ratio Lower Upper  
 82 100  
 128 44.4 37.3 55.9  
 54 57.5 46.4 69.6



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. -0.01 min  
 Lab File: BG039115.D  
 Acq: 12 Jan 2019 12:26

Tgt Ion: 164 Resp: 79638  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 87.2 130.8  
 160 44.7 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 126.994 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA\_G

ClientSampleId :

DS-C

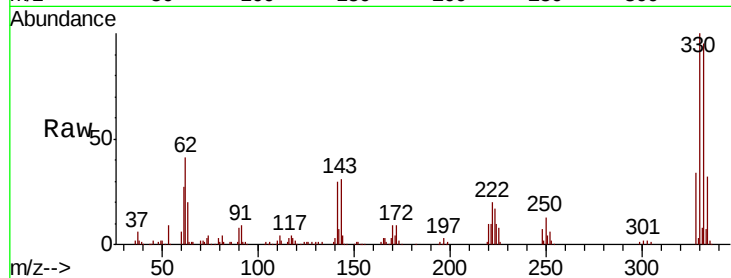
Tot Ion:330 Resp: 169531

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

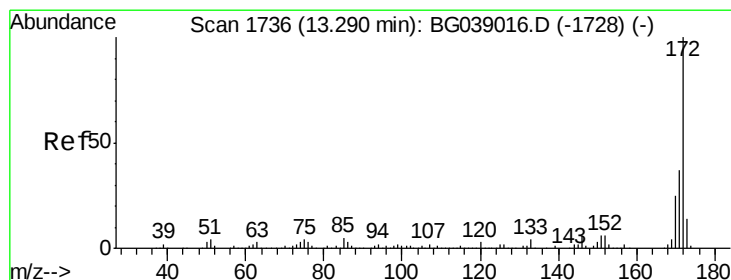
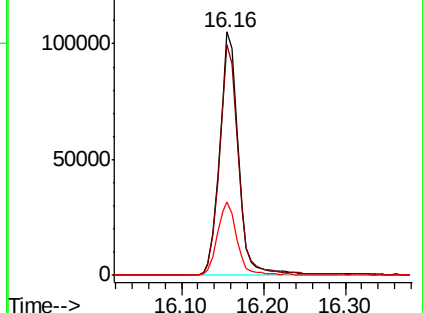
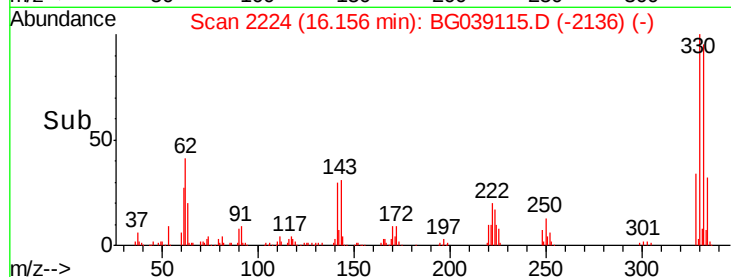
141 31.2 24.9 37.3



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: 76.324 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

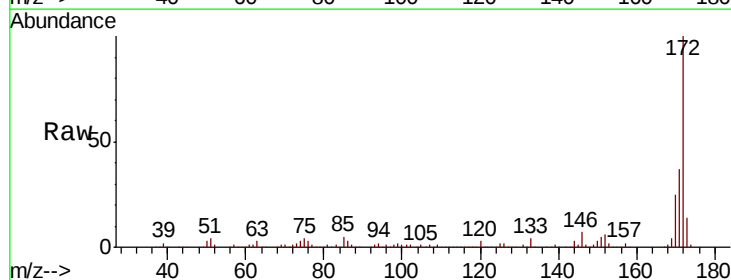
Tgt Ion:172 Resp: 444135

Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

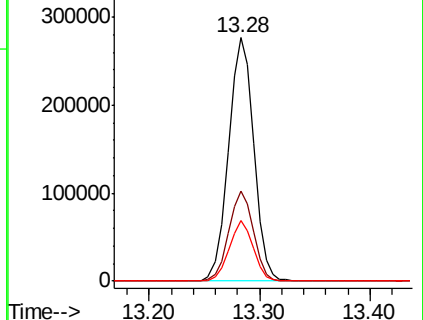
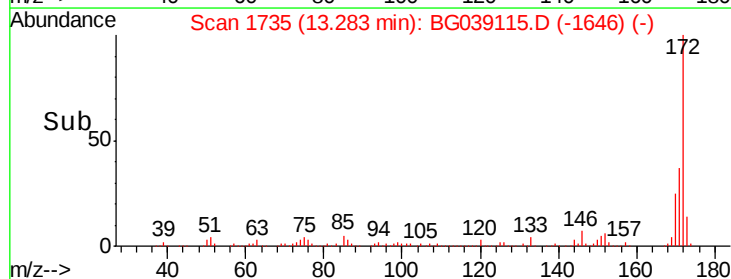
170 24.7 20.1 30.1



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

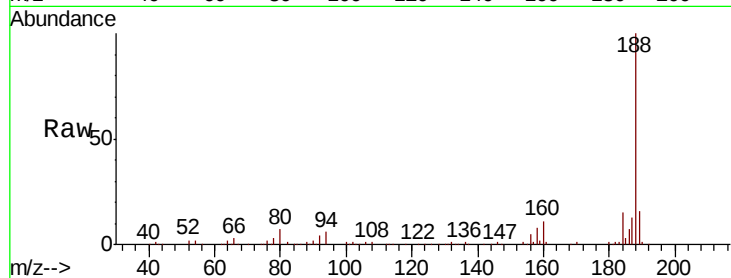




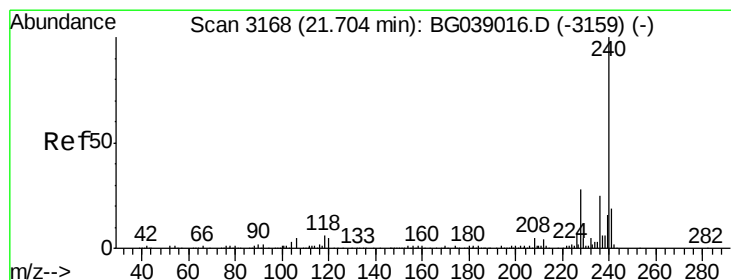
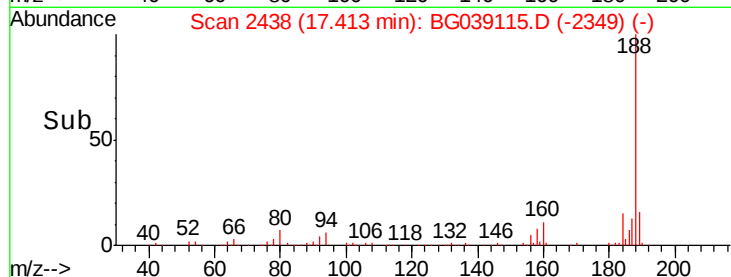
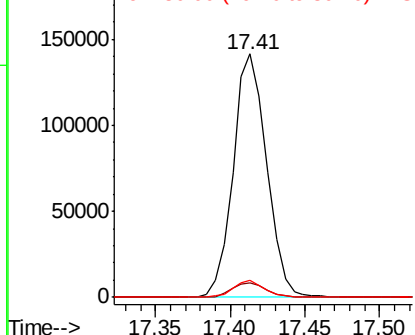
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG039115.D  
Acq: 12 Jan 2019 12:26

Instrument :  
BNA\_G  
ClientSampleId :  
DS-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.1   | 5.0   | 7.4   |
| 80      | 6.9   | 4.7   | 7.1   |

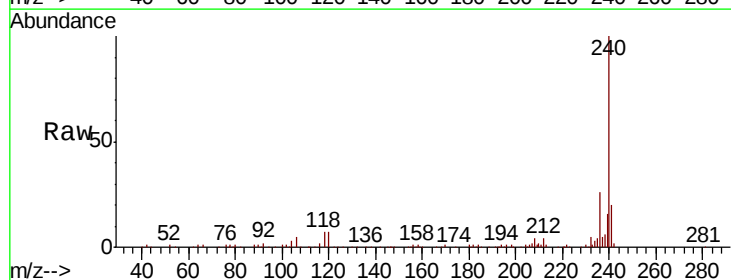


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

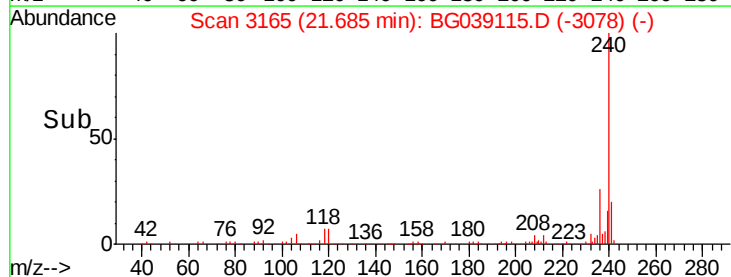
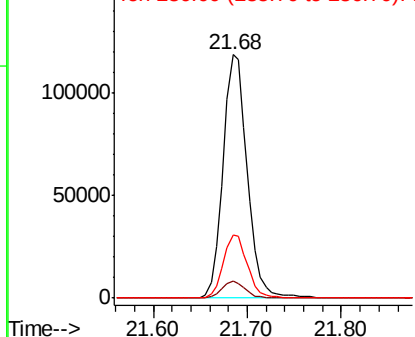


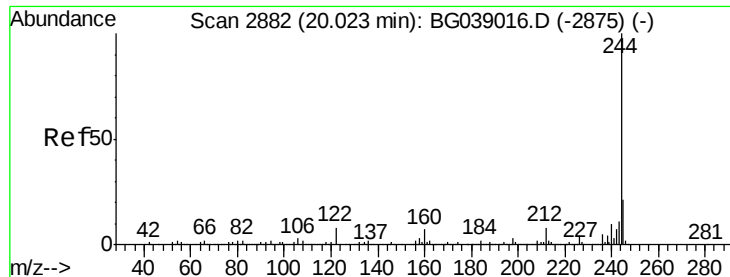
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.02 min  
Lab File: BG039115.D  
Acq: 12 Jan 2019 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.8   | 4.3   | 6.5#  |
| 236     | 26.1  | 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: 90.078 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA\_G

ClientSampleId :

DS-C

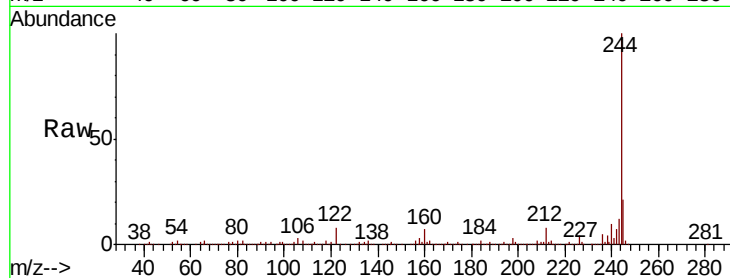
Tot Ion:244 Resp: 1035553

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

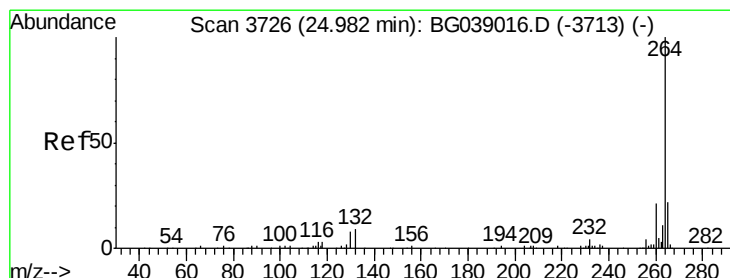
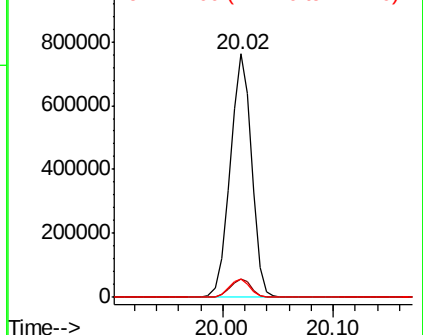
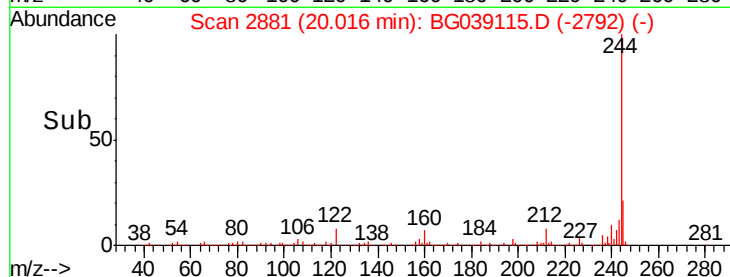
122 7.6 6.1 9.1



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: 24.96 min Scan# 3723

Delta R.T. -0.02 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

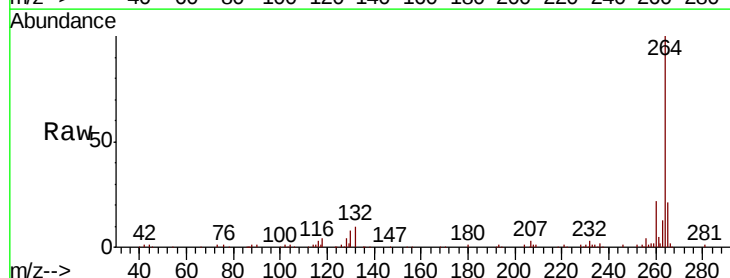
Tgt Ion:264 Resp: 228139

Ion Ratio Lower Upper

264 100

260 22.2 17.0 25.6

265 20.7 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

