

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030519\  
 Data File : BG039772.D  
 Acq On : 5 Mar 2019 20:05  
 Operator : JU/SJ  
 Sample : K1727-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-7

Quant Time: Mar 06 01:05:37 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  | 39943    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.97 | 136  | 189205   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.78 | 164  | 133511   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.52 | 188  | 323778   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.81 | 240  | 321031   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.18 | 264  | 324749   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 142735   | 60.96  | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 136830   | 39.19  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 301705   | 86.24  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 207637   | 133.43 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 737463   | 78.65  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.12 | 244  | 1192693  | 81.80  | ng    | 0.00     |

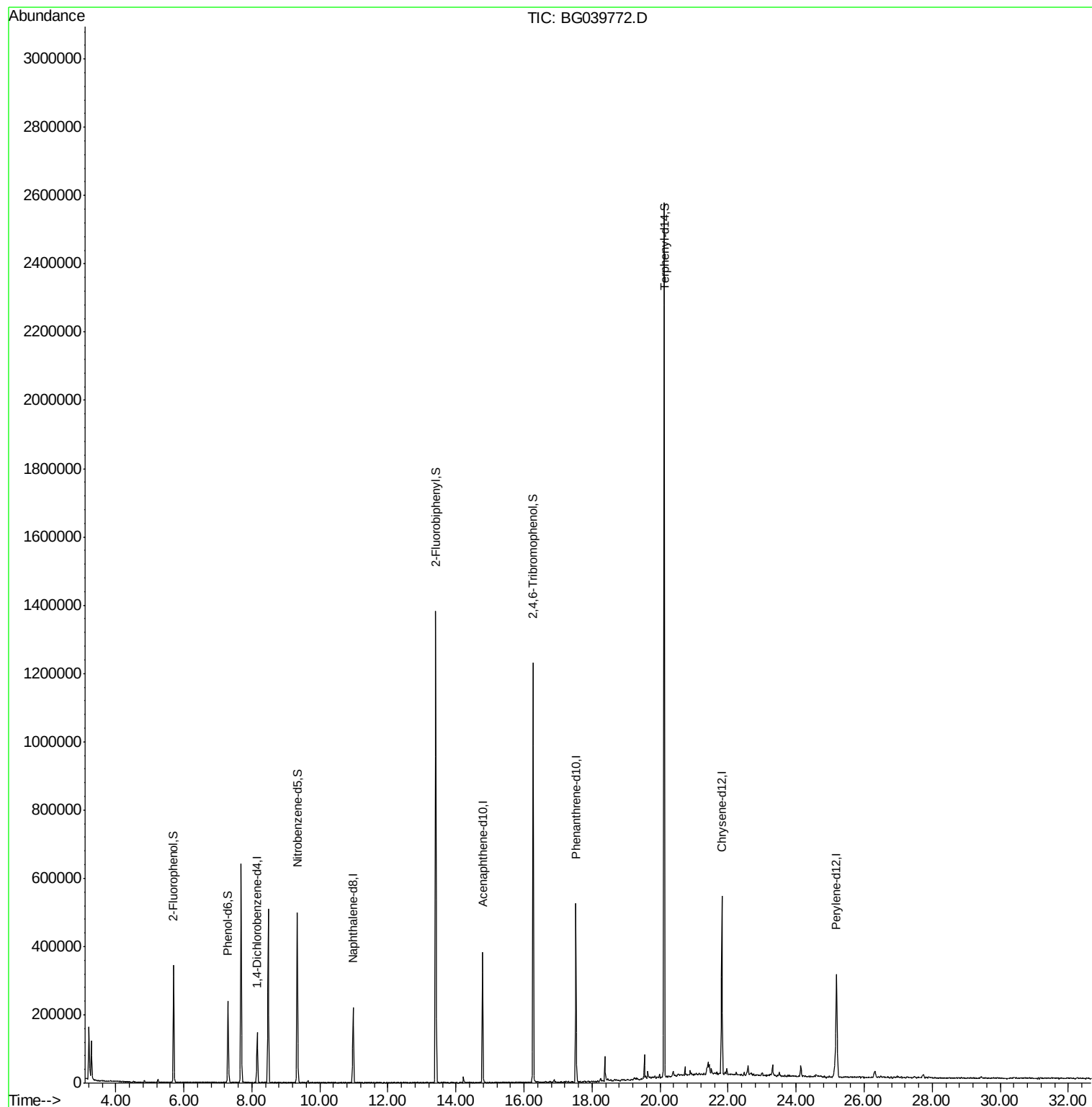
Target Compounds Qvalue

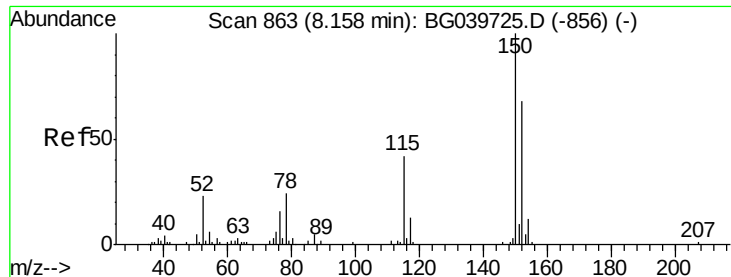
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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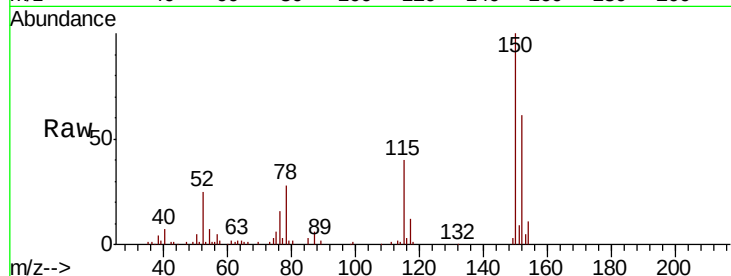


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

Instrument :  
BNA\_G  
ClientSampleId :  
MW-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.6 | 123.7 | 185.5 |
| 115     | 65.1  | 45.9  | 68.9  |

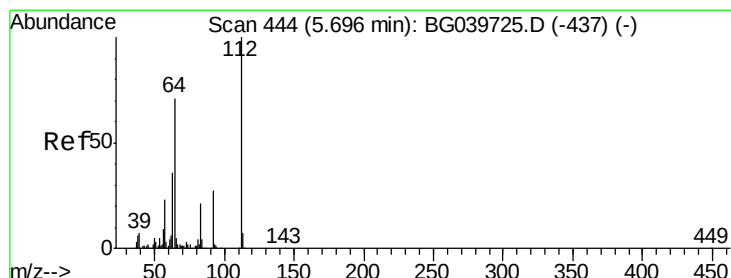
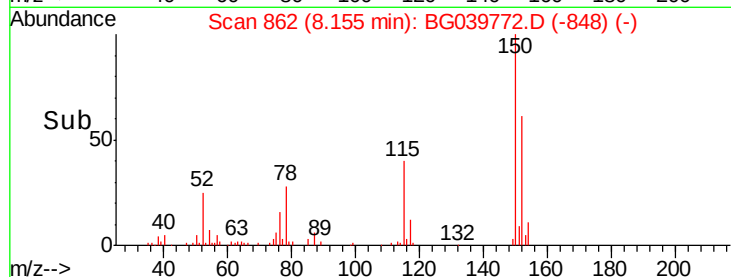
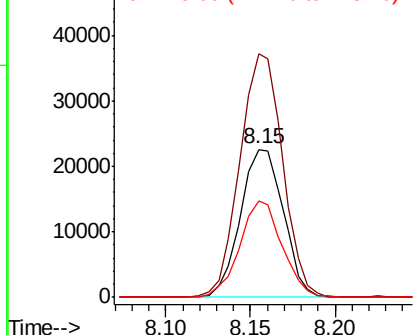


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

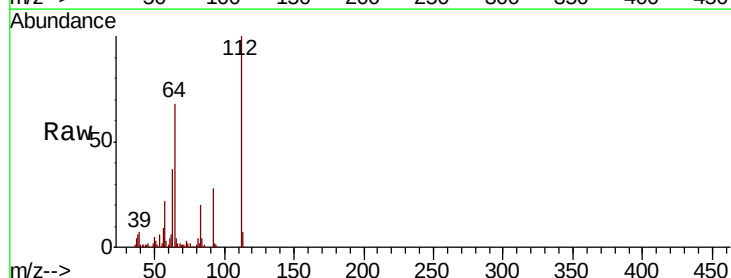
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 60.964 ng  
RT: 5.70 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.1  | 57.8  | 86.8  |
| 63      | 36.7  | 29.8  | 44.6  |

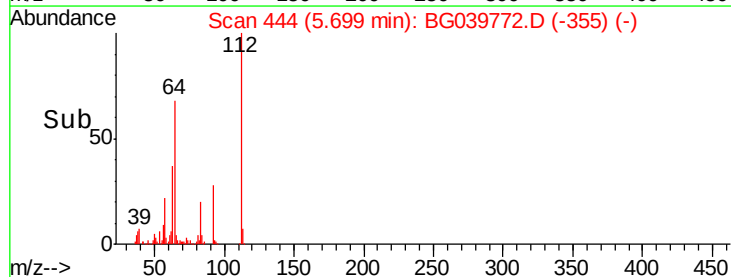
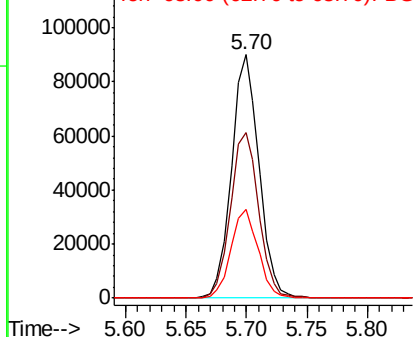


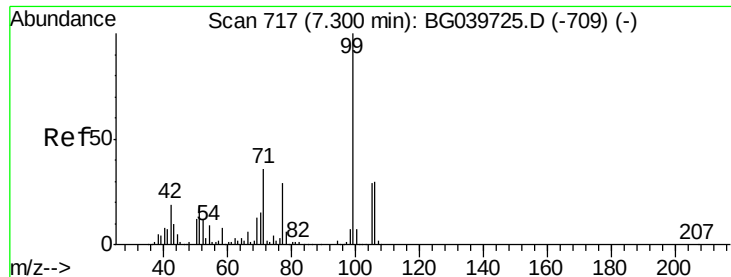
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 39.195 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

Instrument :

BNA\_G

ClientSampled :

MW-7

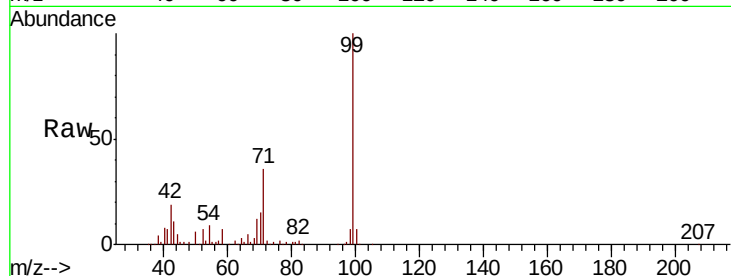
Tot Ion: 99 Resp: 136830

Ion Ratio Lower Upper

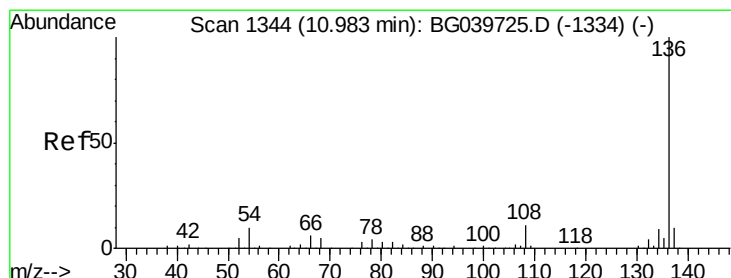
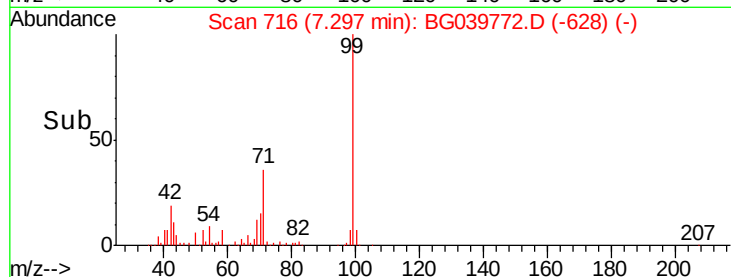
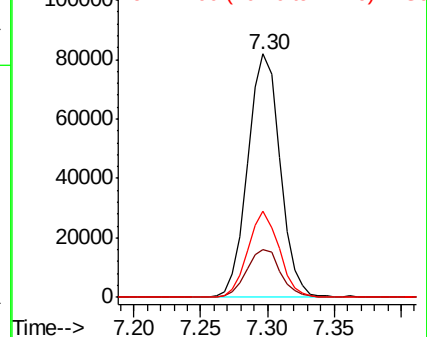
99 100

42 19.5 18.2 27.2

71 35.6 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# 1342

Delta R.T. -0.02 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

Tgt Ion: 136 Resp: 189205

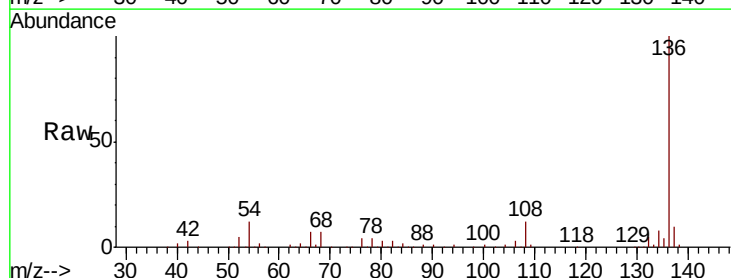
Ion Ratio Lower Upper

136 100

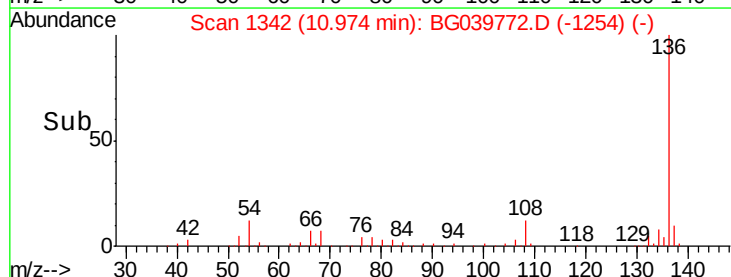
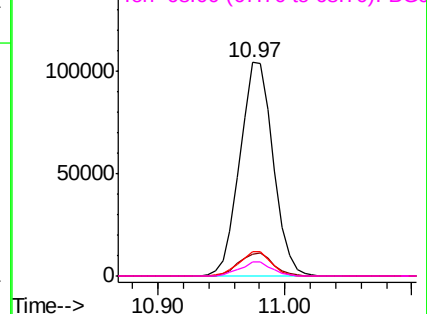
137 9.9 9.1 13.7

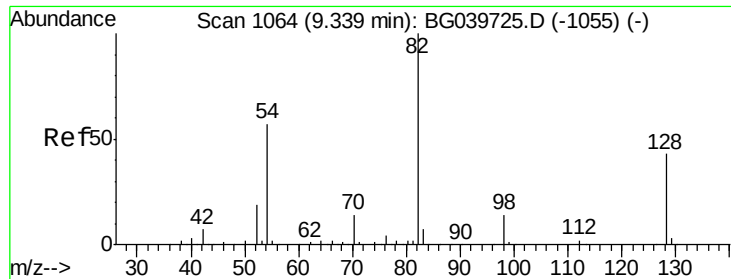
54 11.5 9.4 14.2

68 6.8 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

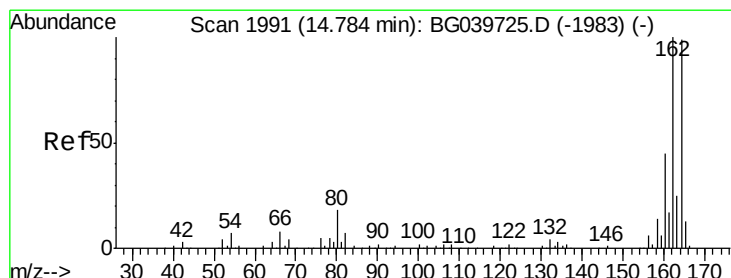
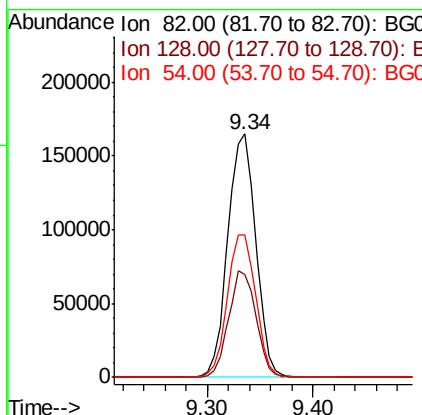
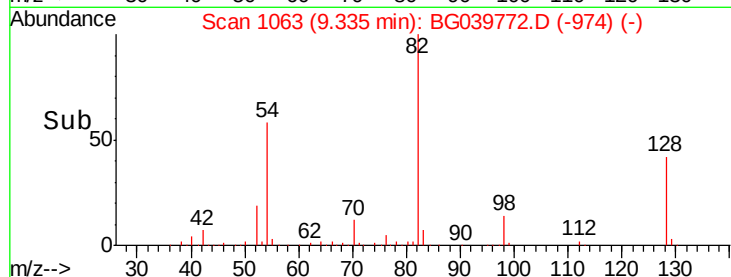
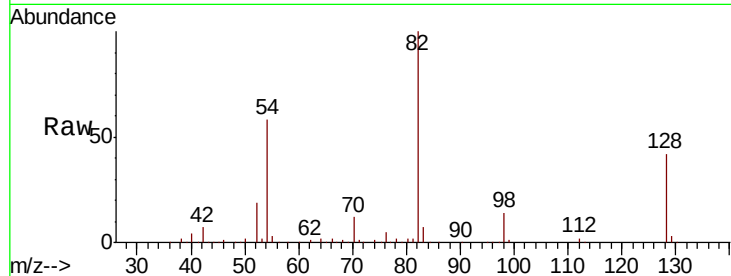




#23  
Nitrobenzene-d5  
Concen: 86.242 ng  
RT: 9.34 min Scan# 1063  
Delta R.T. -0.01 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

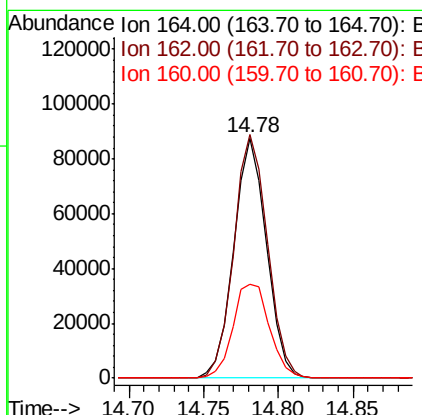
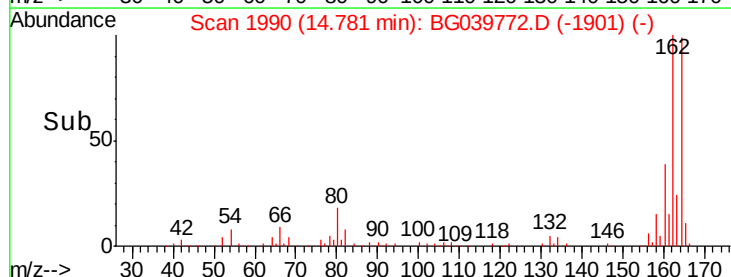
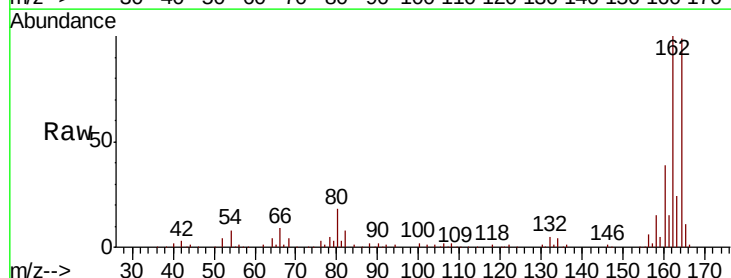
Instrument :  
BNA\_G  
ClientSampled :  
MW-7

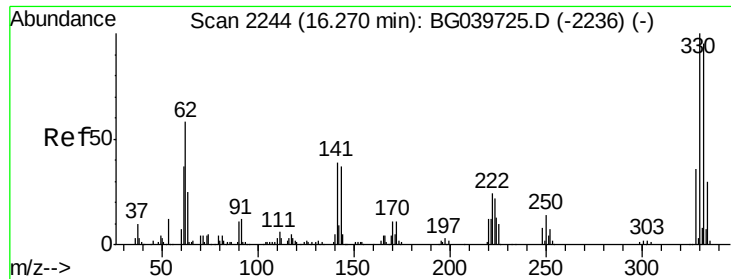
Tot Ion: 82 Resp: 301705  
Ion Ratio Lower Upper  
82 100  
128 42.1 31.3 46.9  
54 58.5 50.9 76.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. -0.01 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

Tgt Ion: 164 Resp: 133511  
Ion Ratio Lower Upper  
164 100  
162 101.3 81.6 122.4  
160 39.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 133.428 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

Instrument :

BNA\_G

ClientSampleId :

MW-7

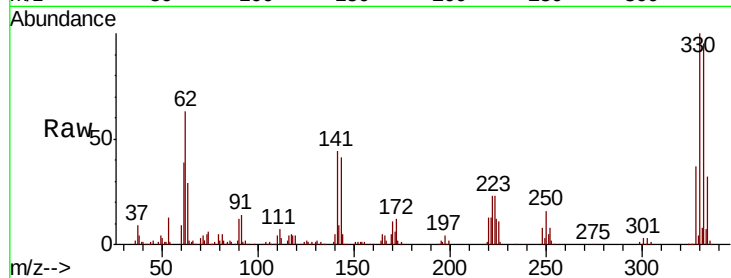
Tot Ion:330 Resp: 207637

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

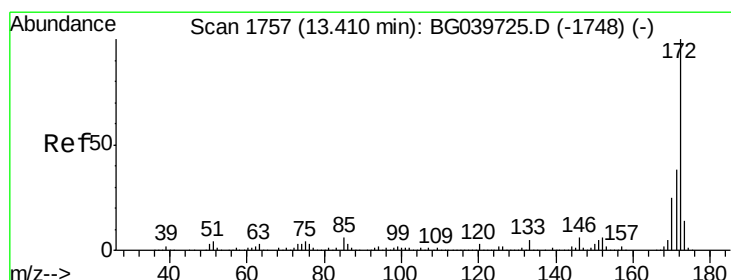
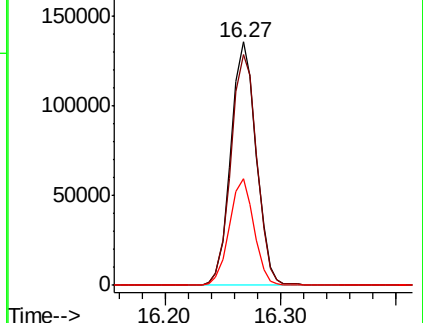
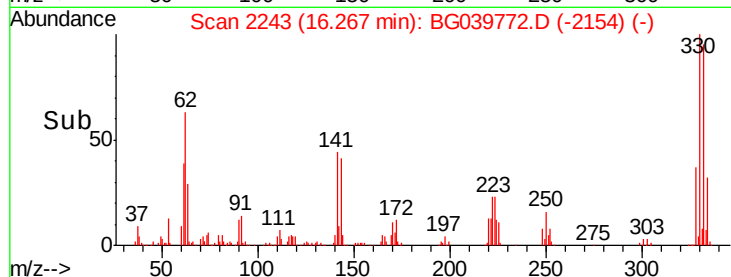
141 42.3 35.6 53.4



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: 78.647 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

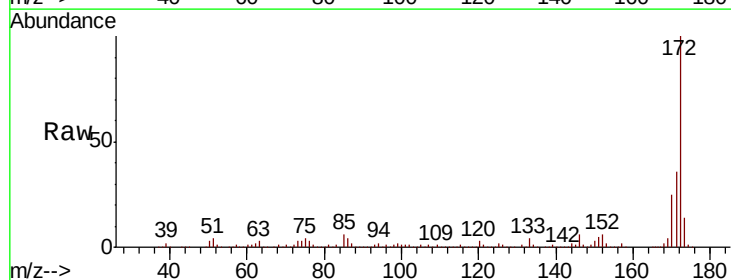
Tgt Ion:172 Resp: 737463

Ion Ratio Lower Upper

172 100

171 36.2 30.8 46.2

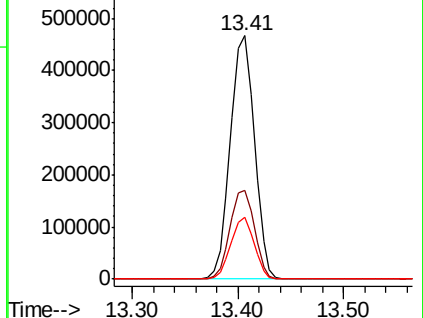
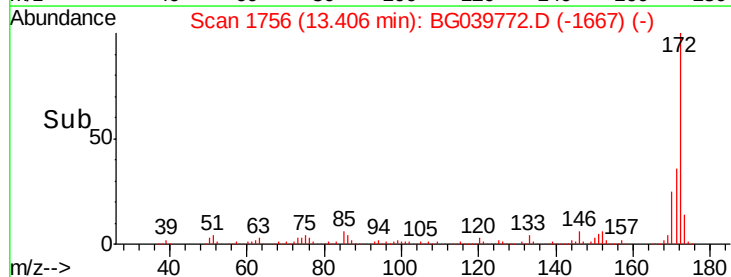
170 25.1 20.2 30.4

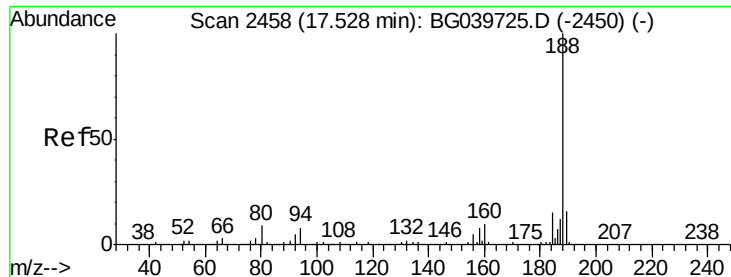


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

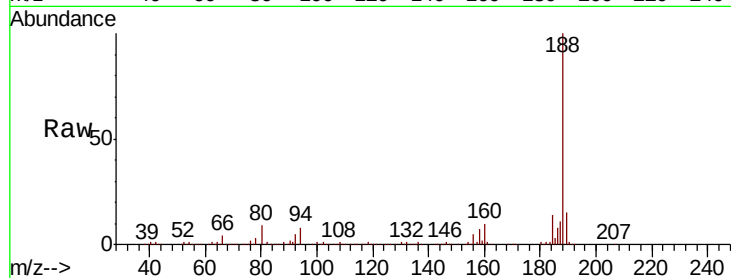




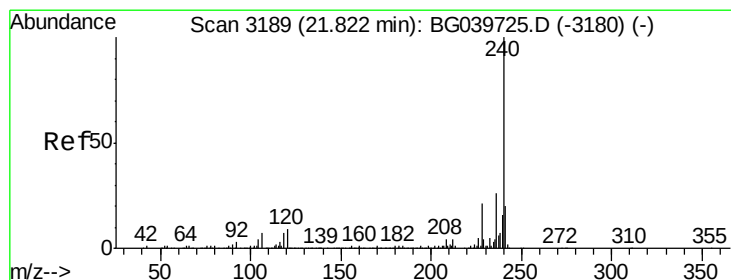
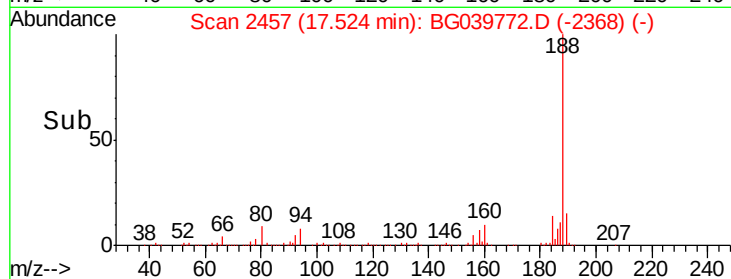
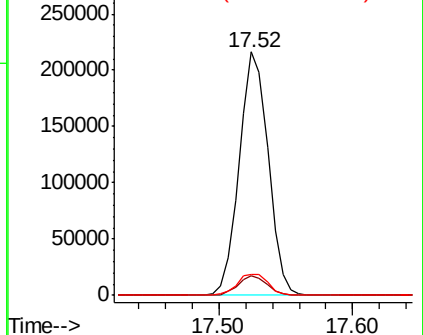
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2457  
Delta R.T. -0.01 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

Instrument :  
BNA\_G  
ClientSampleId :  
MW-7

Tot Ion:188 Resp: 323778  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.9 10.3  
80 8.5 8.1 12.1

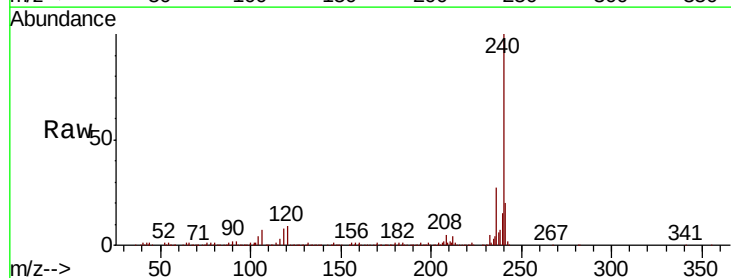


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

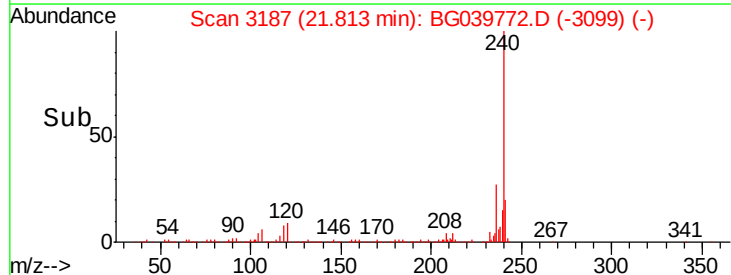
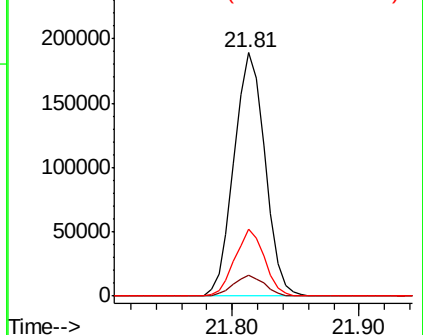


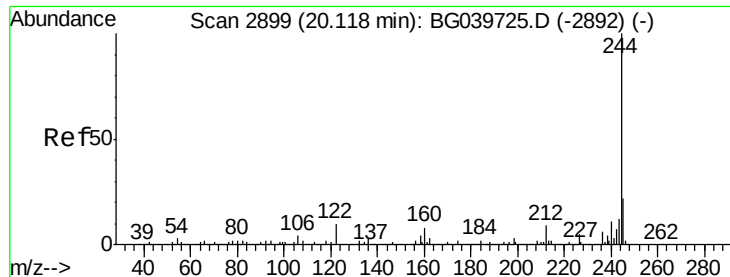
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.81 min Scan# 3187  
Delta R.T. -0.02 min  
Lab File: BG039772.D  
Acq: 5 Mar 2019 20:05

Tgt Ion:240 Resp: 321031  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.0 10.6  
236 27.4 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: 81.801 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

Instrument :

BNA\_G

ClientSampleId :

MW-7

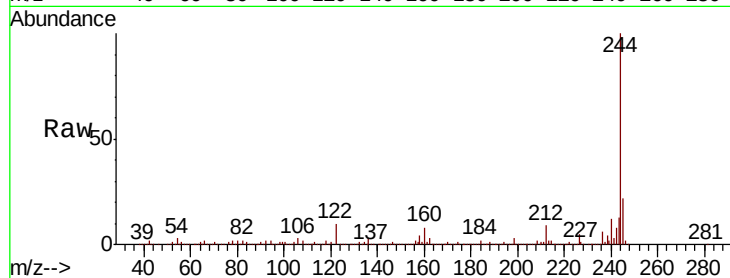
Tot Ion:244 Resp: 1192693

Ion Ratio Lower Upper

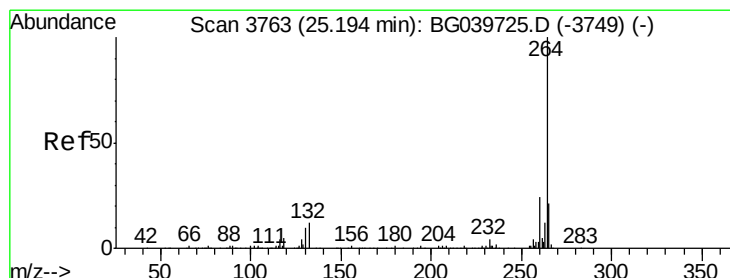
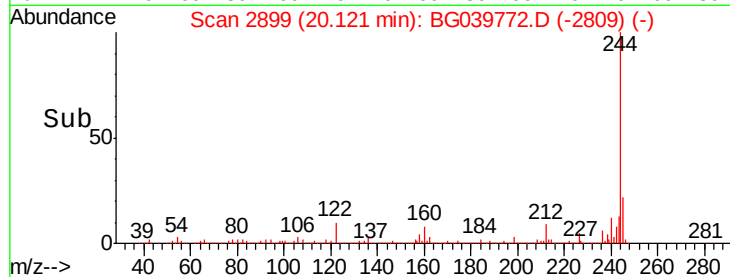
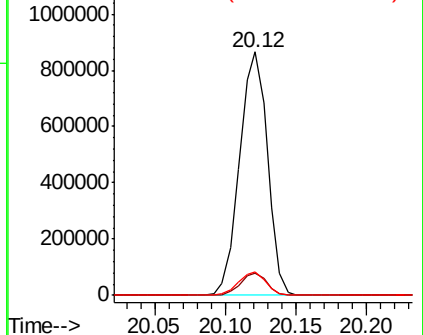
244 100

212 9.0 7.3 10.9

122 9.8 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: 25.18 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039772.D

Acq: 5 Mar 2019 20:05

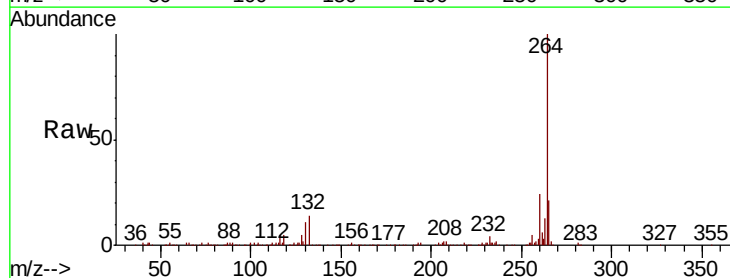
Tgt Ion:264 Resp: 324749

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.3 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

