

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\  
 Data File : BG039711.D  
 Acq On : 2 Mar 2019 6:48  
 Operator : JU/SJ  
 Sample : K1675-14  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z-3-2-A

Quant Time: Mar 03 23:55:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 06:15:02 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 56741    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 235811   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.79 | 164  | 154994   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.53 | 188  | 373712   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.82 | 240  | 387437   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.20 | 264  | 367310   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 414714   | 125.09 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 547334   | 112.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 394338   | 104.47 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 217058   | 130.05 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 941467   | 87.14  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.12 | 244  | 1496814  | 81.78  | ng    | 0.00     |

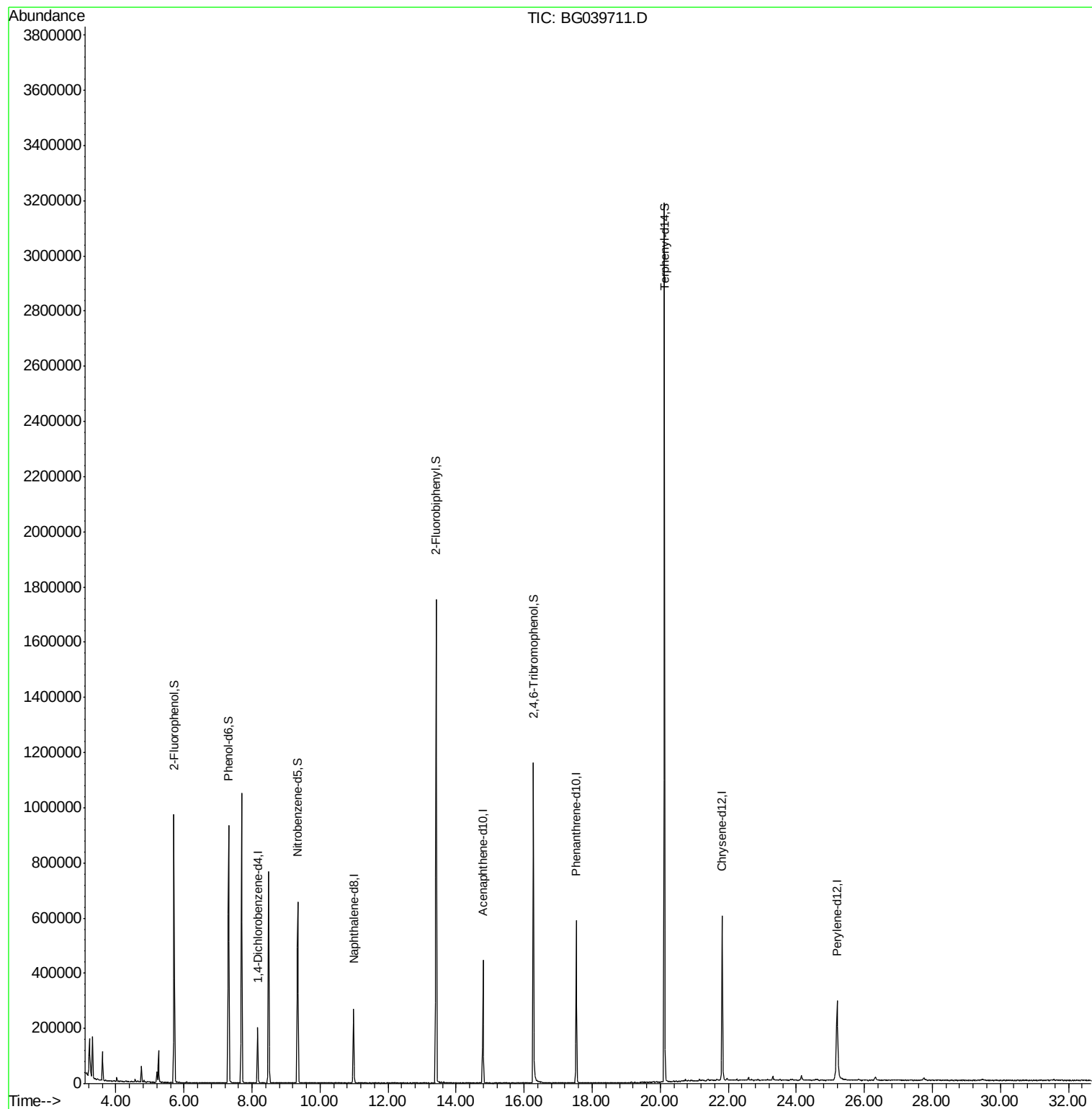
Target Compounds Qvalue

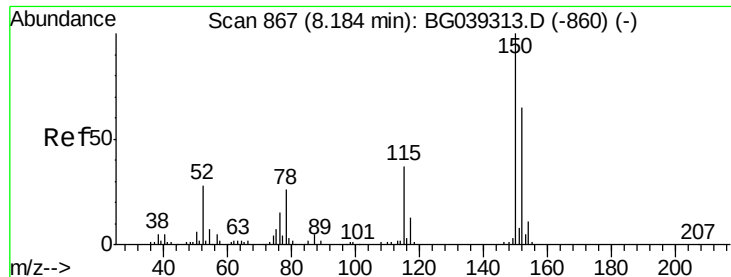
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Response via : Initial Calibration



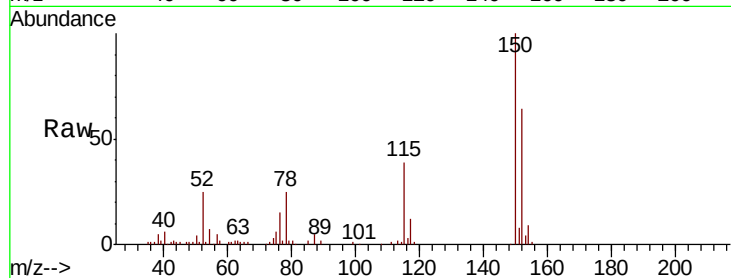


#1

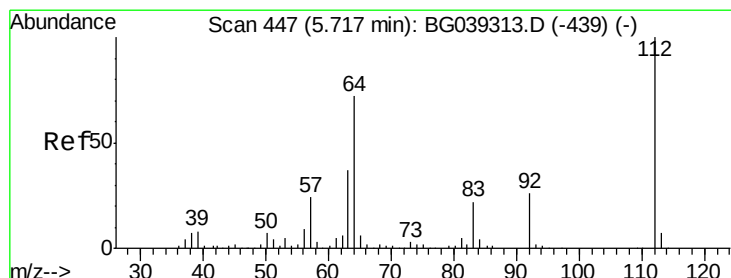
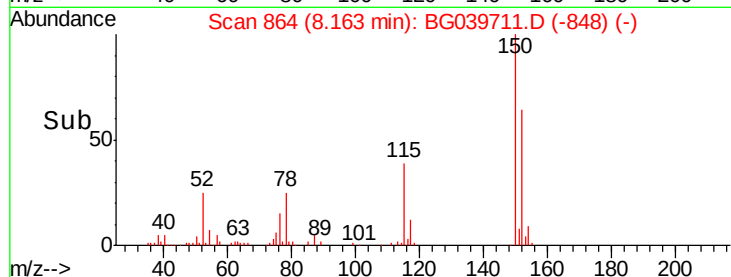
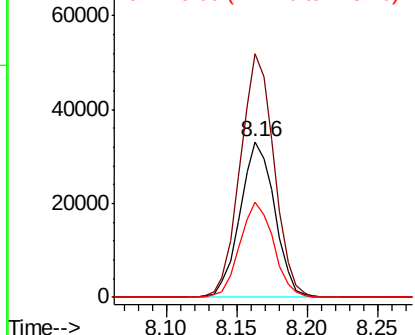
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: BG039711.D  
Acq: 2 Mar 2019 6:48

Instrument :  
BNA\_G  
ClientSampleId :  
Z-3-2-A

Tot Ion:152 Resp: 56741  
Ion Ratio Lower Upper  
152 100  
150 156.1 123.7 185.5  
115 61.3 45.9 68.9



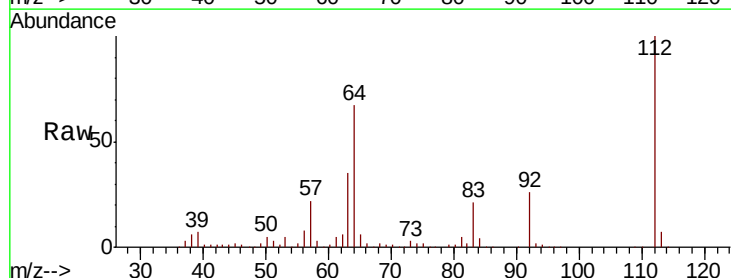
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



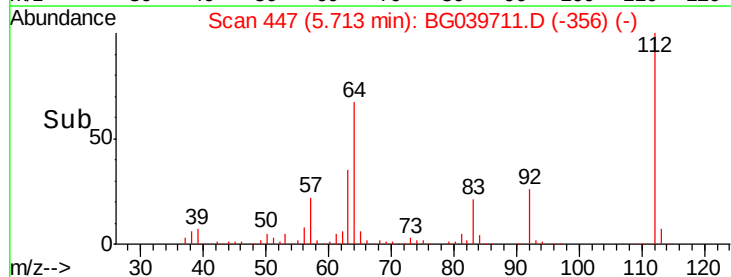
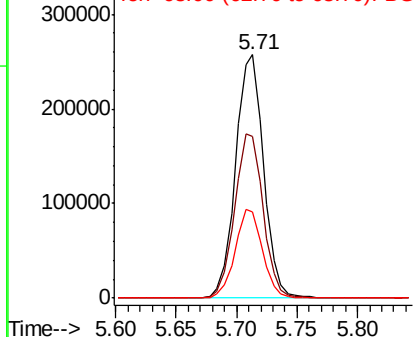
#5

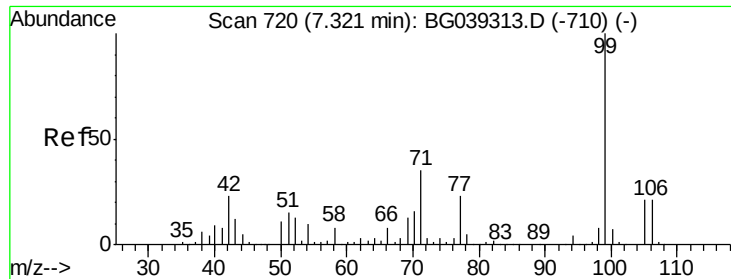
2-Fluorophenol  
Concen: 125.092 ng  
RT: 5.71 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BG039711.D  
Acq: 2 Mar 2019 6:48

Tgt Ion:112 Resp: 414714  
Ion Ratio Lower Upper  
112 100  
64 66.6 57.8 86.8  
63 35.2 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: 112.159 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA\_G

ClientSampleId :

Z-3-2-A

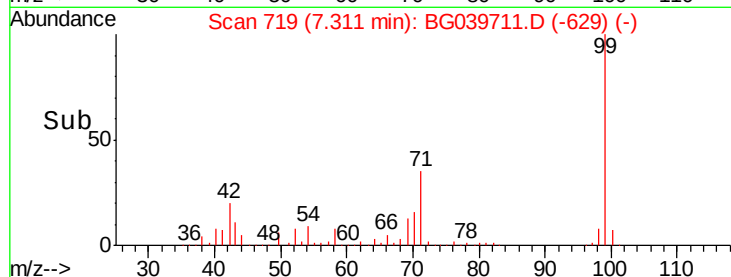
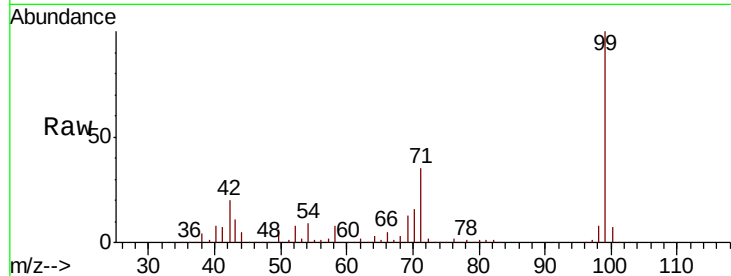
Tot Ion: 99 Resp: 547334

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

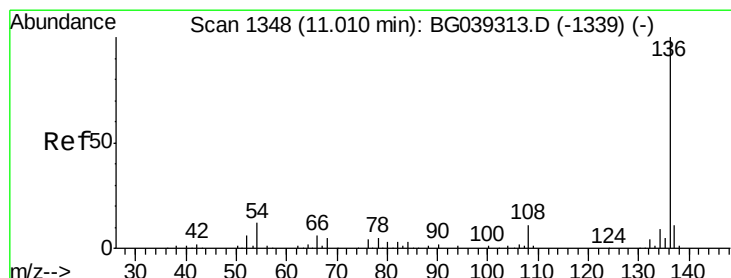
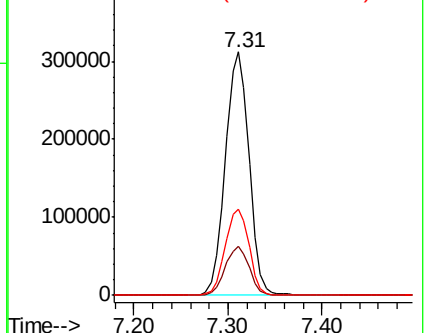
71 35.3 28.0 42.0



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: 10.98 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Tgt Ion: 136 Resp: 235811

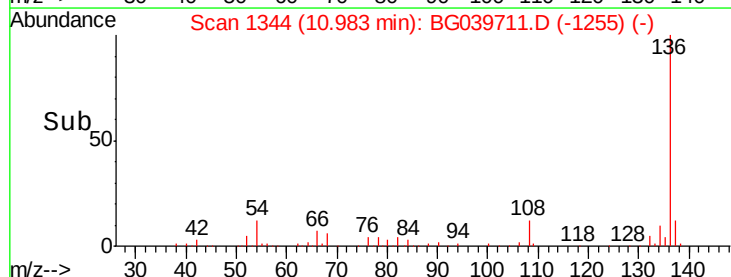
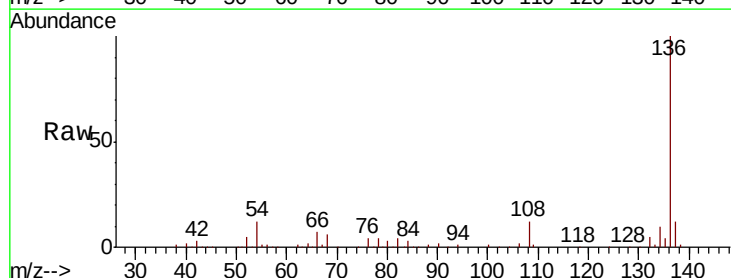
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 11.7 9.4 14.2

68 6.3 4.2 6.4

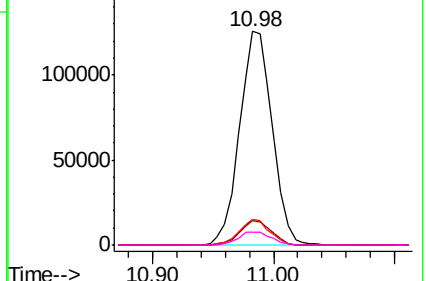


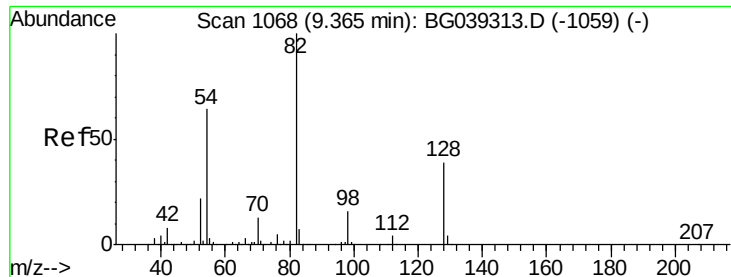
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

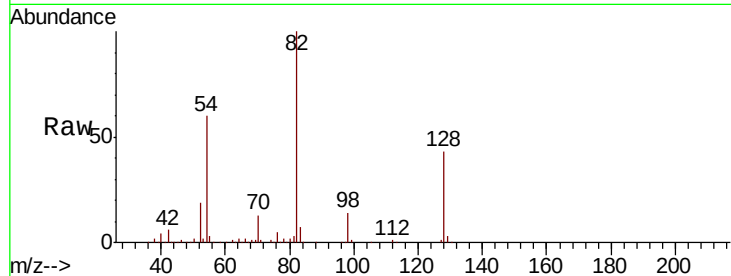




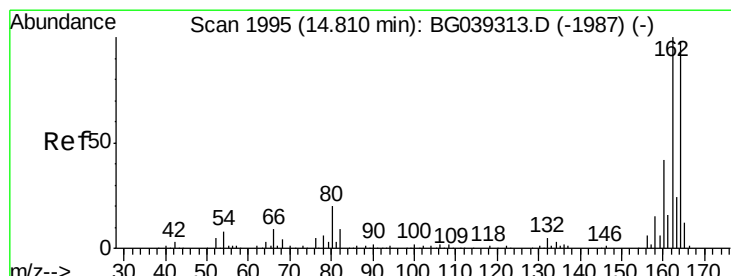
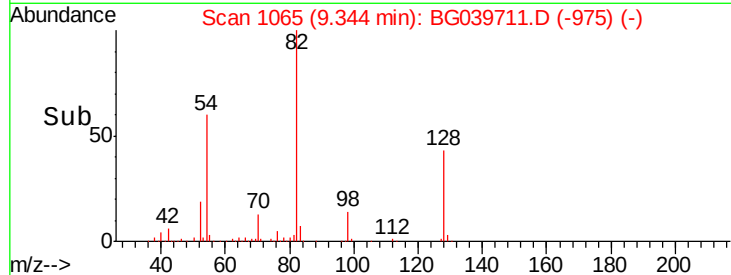
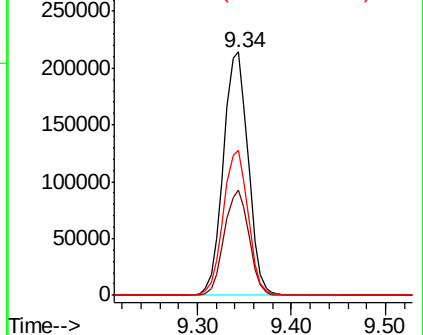
#23  
 Nitrobenzene-d5  
 Concen: 104.469 ng  
 RT: 9.34 min Scan# 1065  
 Delta R.T. -0.00 min  
 Lab File: BG039711.D  
 Acq: 2 Mar 2019 6:48

Instrument :  
 BNA\_G  
 ClientSampleID :  
 Z-3-2-A

| Tot Ion   | 82   | Resp  | 394338 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.3 | 31.3  | 46.9   |
| 54        | 59.8 | 50.9  | 76.3   |

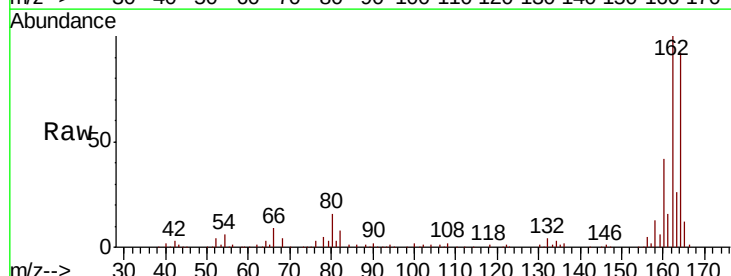


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

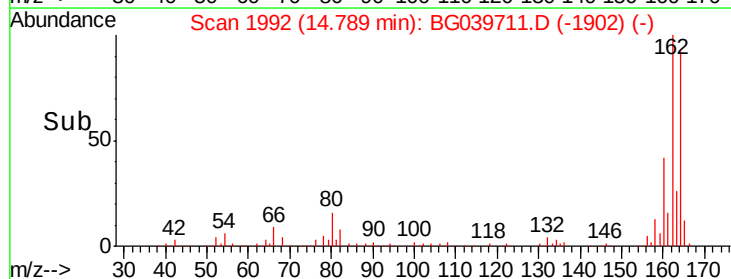
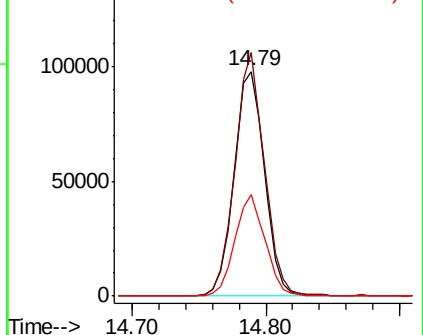


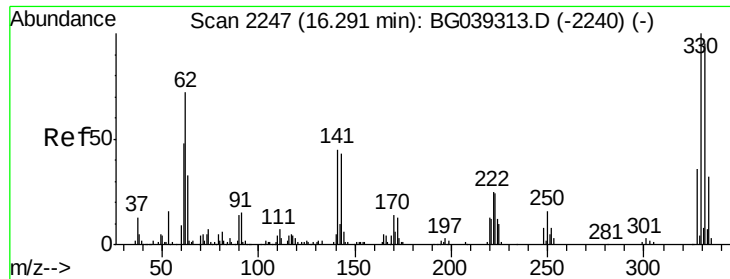
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1992  
 Delta R.T. -0.00 min  
 Lab File: BG039711.D  
 Acq: 2 Mar 2019 6:48

| Tgt Ion   | 164   | Resp  | 154994 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 108.4 | 81.6  | 122.4  |
| 160       | 45.2  | 34.2  | 51.2   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

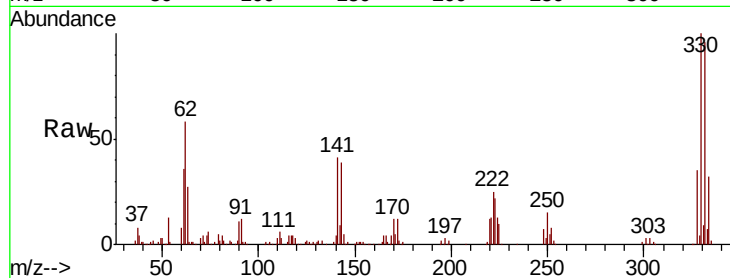




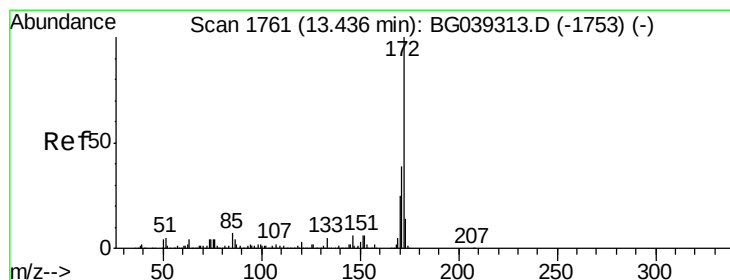
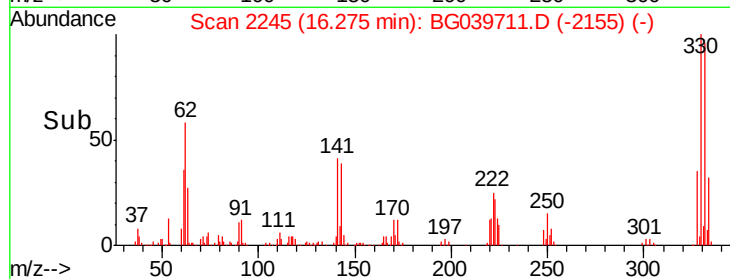
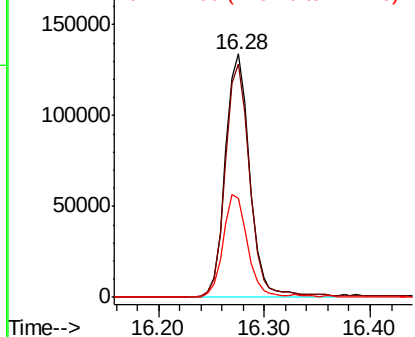
#42  
 2,4,6-Tribromophenol  
 Concen: 130.051 ng  
 RT: 16.28 min Scan# 2245  
 Delta R.T. -0.00 min  
 Lab File: BG039711.D  
 Acq: 2 Mar 2019 6:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z-3-2-A

Tot Ion:330 Resp: 217058  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 75.7 113.5  
 141 41.7 35.6 53.4

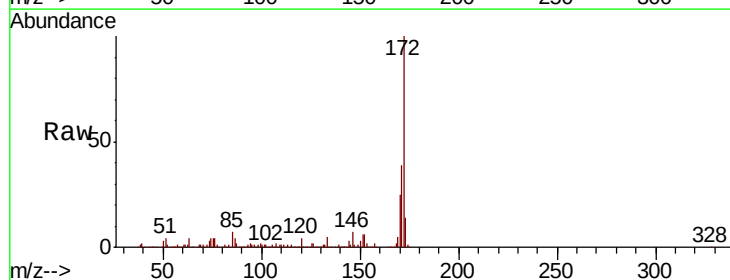


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

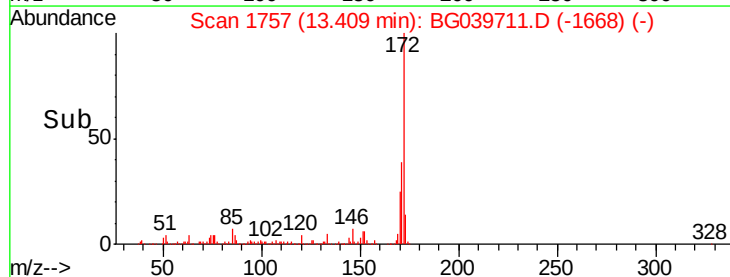
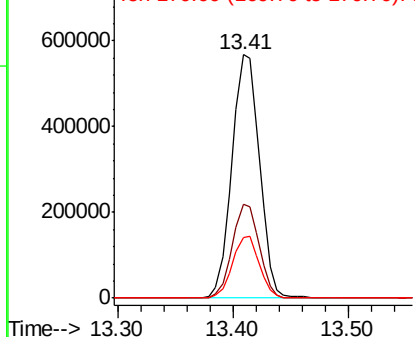


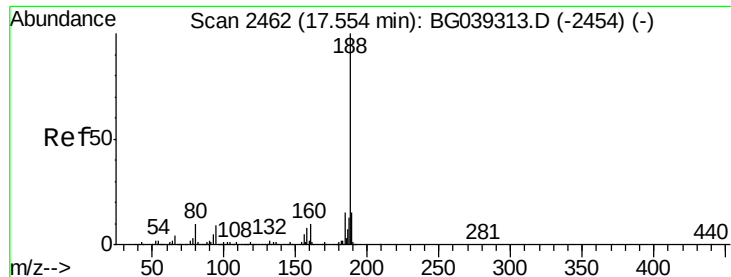
#45  
 2-Fluorobiphenyl  
 Concen: 87.138 ng  
 RT: 13.41 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BG039711.D  
 Acq: 2 Mar 2019 6:48

Tgt Ion:172 Resp: 941467  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 30.8 46.2  
 170 25.0 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: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA\_G

ClientSampleId :

Z-3-2-A

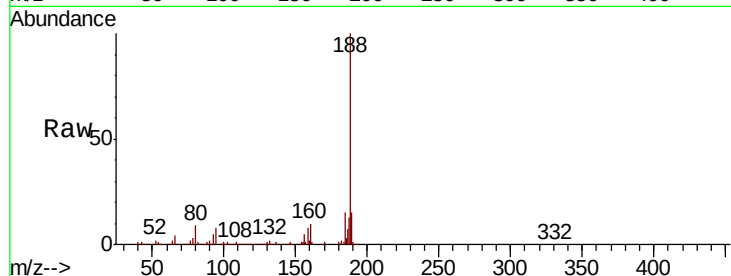
Tot Ion:188 Resp: 373712

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

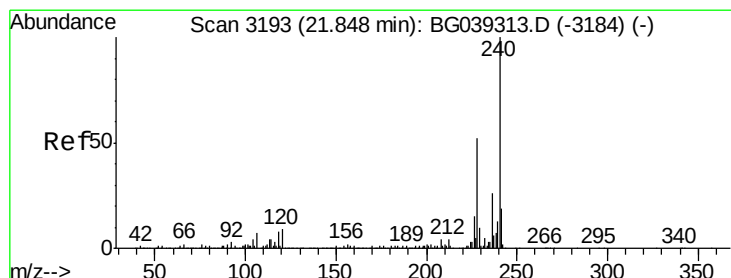
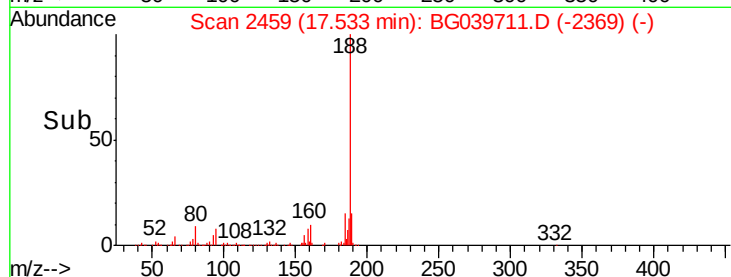
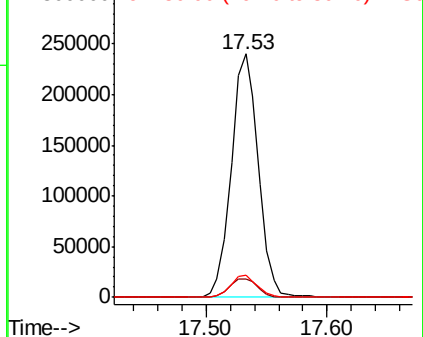
80 9.3 8.1 12.1



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: 21.82 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

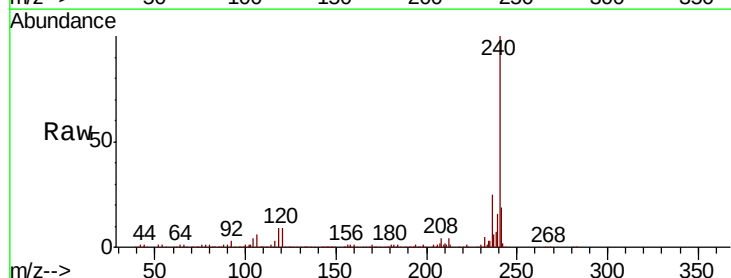
Tgt Ion:240 Resp: 387437

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

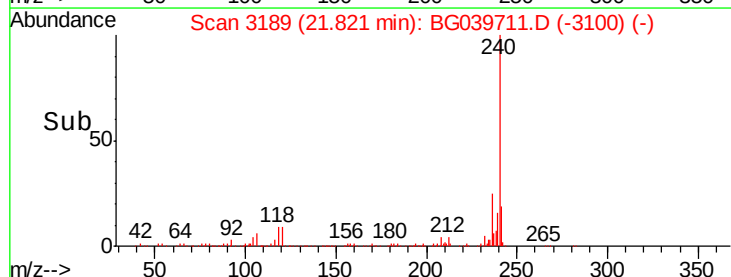
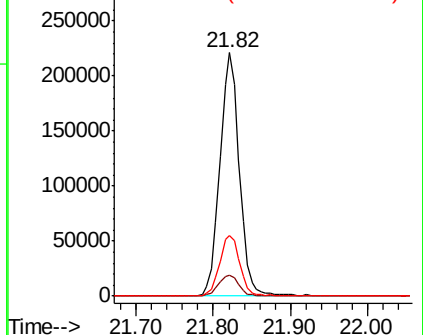
236 24.6 21.0 31.4

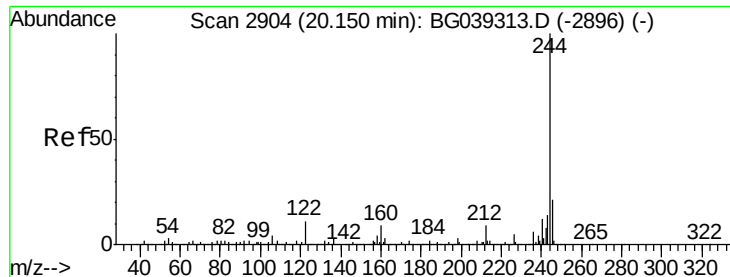


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 81.776 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA\_G

ClientSampleId :

Z-3-2-A

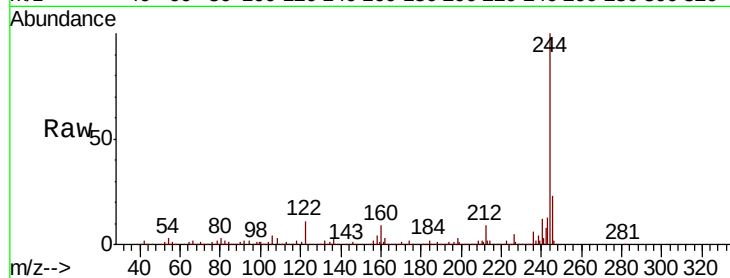
Tot Ion:244 Resp: 1496814

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

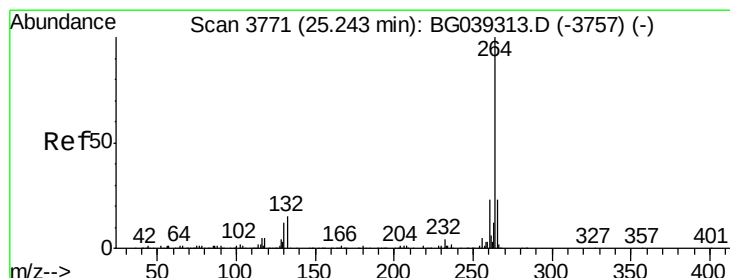
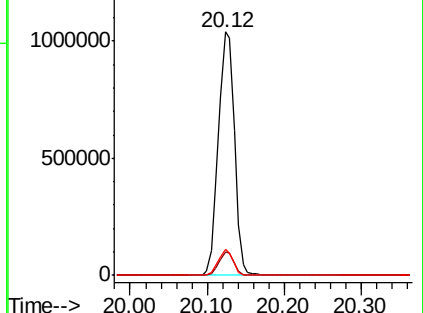
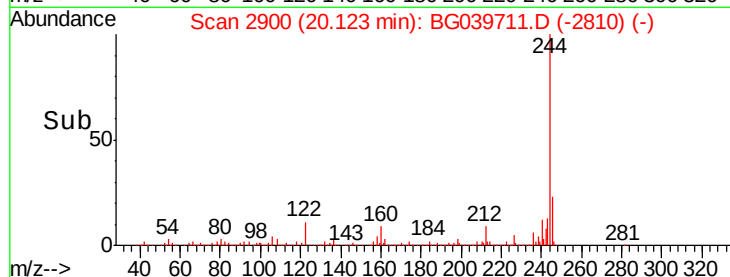
122 10.6 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

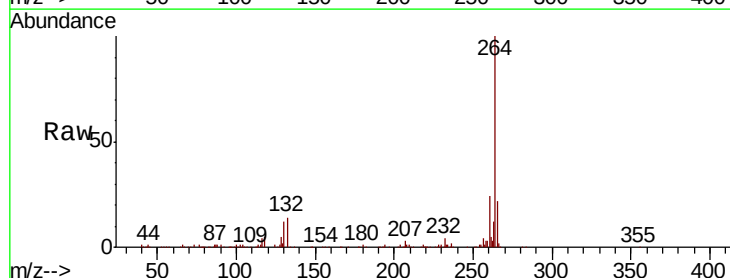
Tgt Ion:264 Resp: 367310

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 21.6 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

