

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022719\  
 Data File : BG039634.D  
 Acq On : 27 Feb 2019 14:40  
 Operator : JU/SJ  
 Sample : K1594-34  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-6(9-10)

Quant Time: Feb 28 01:06:15 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

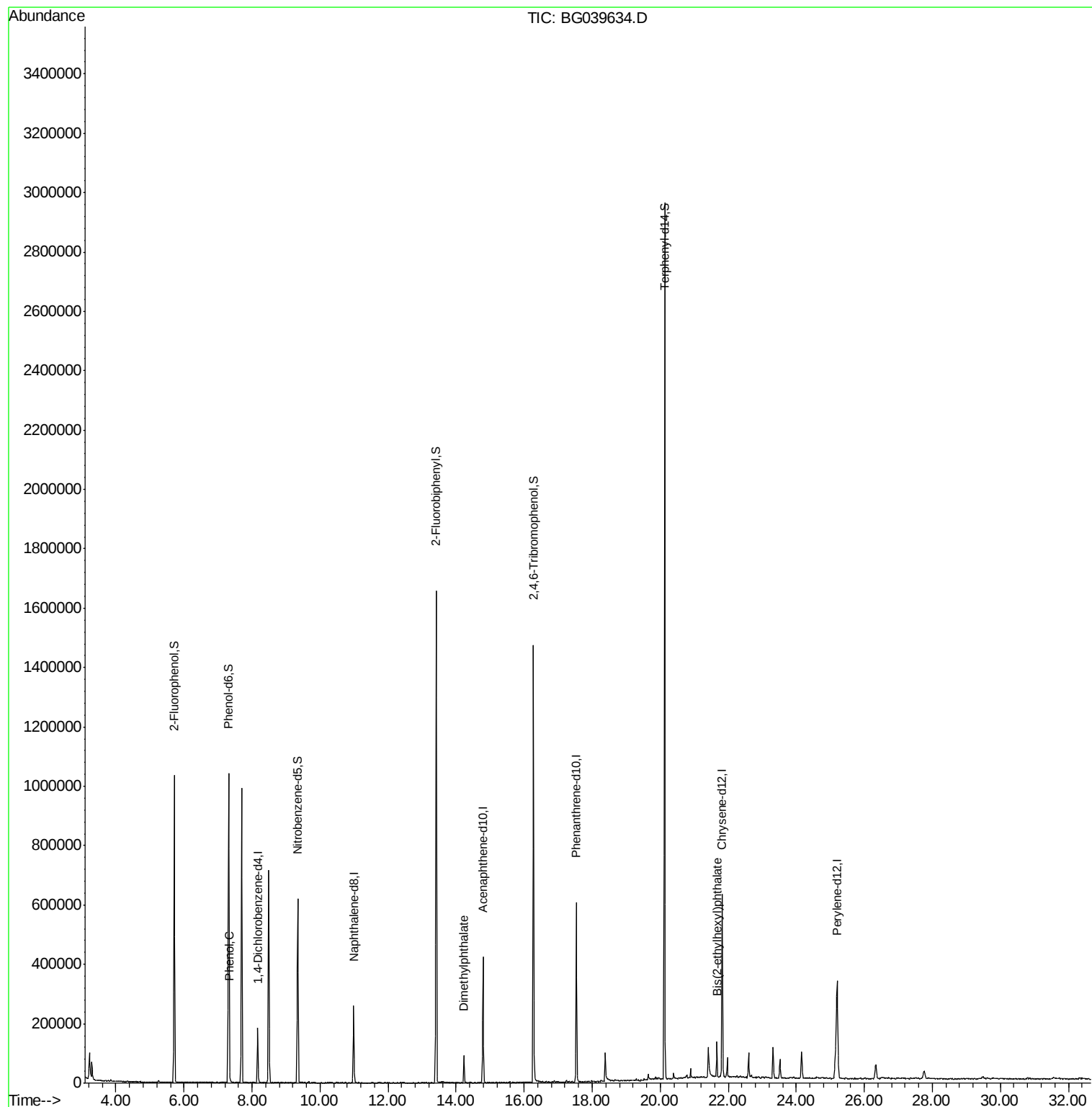
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 51578    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.99 | 136  | 217328   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.79 | 164  | 146520   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.53 | 188  | 379014   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.82 | 240  | 382605   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 25.20 | 264  | 387932   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.71  | 112  | 432655   | 143.57 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.32  | 99   | 618214   | 139.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.34  | 82   | 363888   | 104.60 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.28 | 330  | 256051   | 162.29 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.41 | 172  | 862487   | 84.44  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.13 | 244  | 1352691  | 74.84  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.34  | 94   | 10581    | 2.288  | ng    | 94       |
| 50) Dimethylphthalate          | 14.23 | 163  | 64088    | 5.416  | ng    | # 96     |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 51338    | 3.582  | ng    | # 94     |

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

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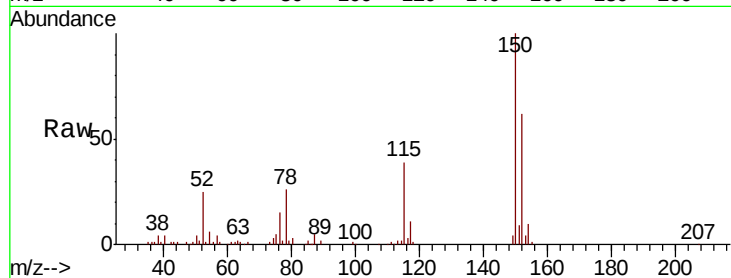


#1

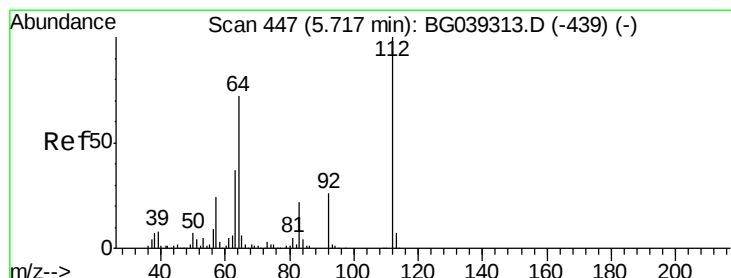
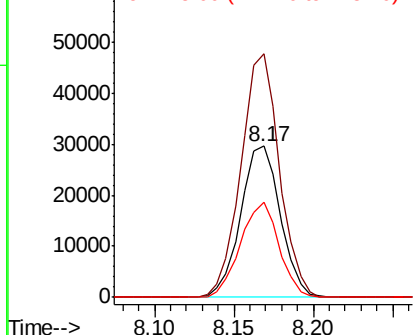
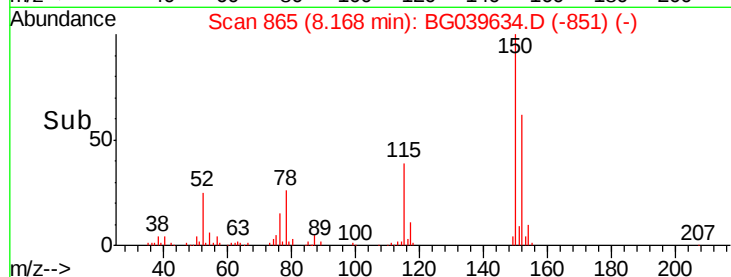
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 865  
Delta R.T. -0.02 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

Instrument :  
BNA\_G  
ClientSampleId :  
B-6(9-10)

Tot Ion:152 Resp: 51578  
Ion Ratio Lower Upper  
152 100  
150 161.4 123.7 185.5  
115 63.0 45.9 68.9



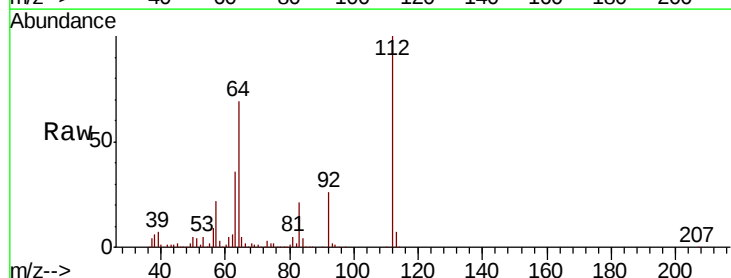
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



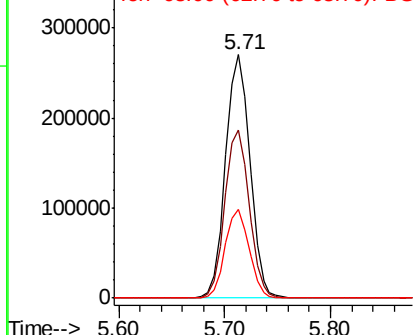
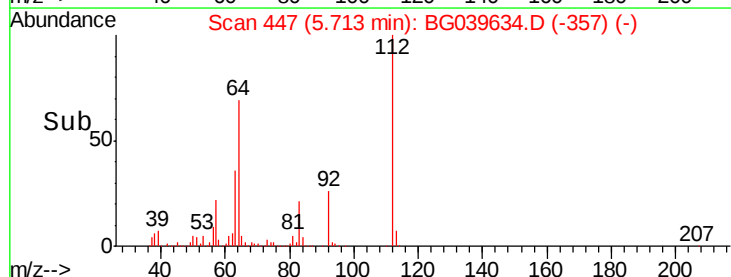
#5

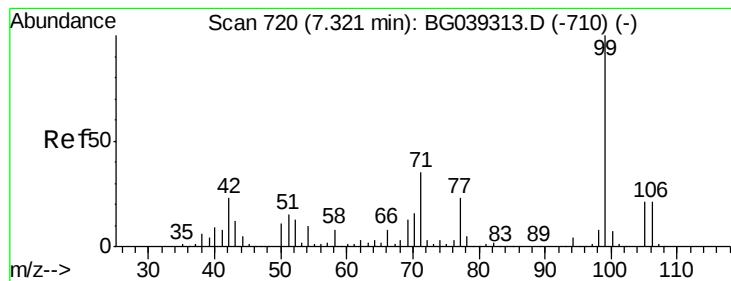
2-Fluorophenol  
Concen: 143.568 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

Tgt Ion:112 Resp: 432655  
Ion Ratio Lower Upper  
112 100  
64 69.1 57.8 86.8  
63 36.4 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: 139.365 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

Instrument :

BNA\_G

ClientSampled :

B-6(9-10)

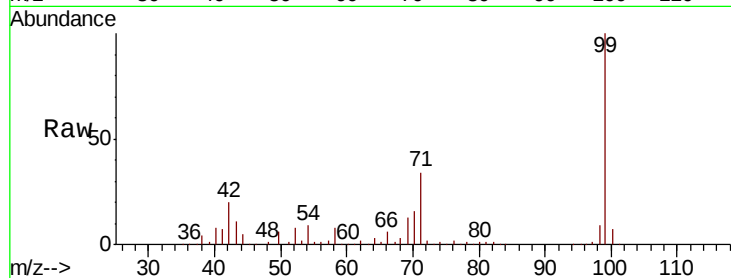
Tot Ion: 99 Resp: 618214

Ion Ratio Lower Upper

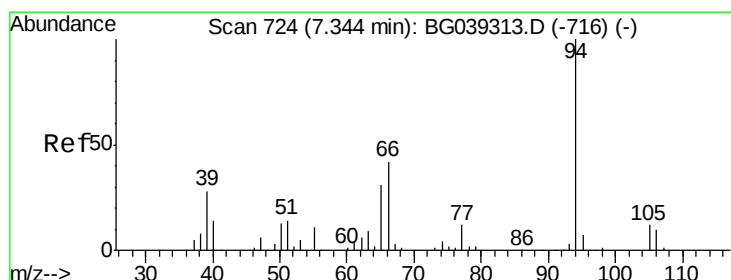
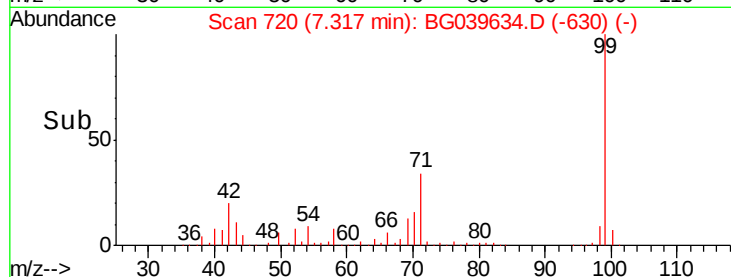
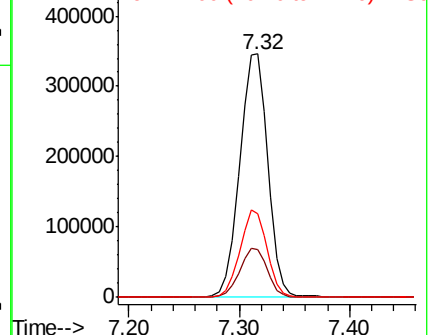
99 100

42 19.9 18.2 27.2

71 34.4 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



#10

Phenol

Concen: 2.288 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

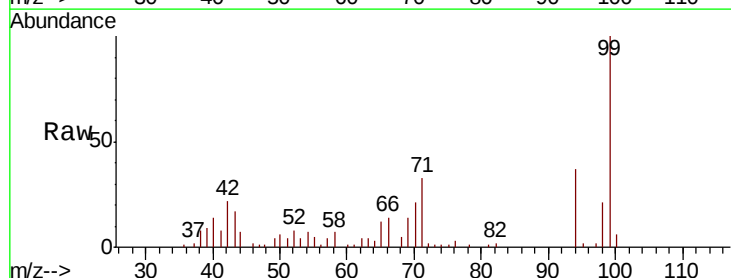
Tgt Ion: 94 Resp: 10581

Ion Ratio Lower Upper

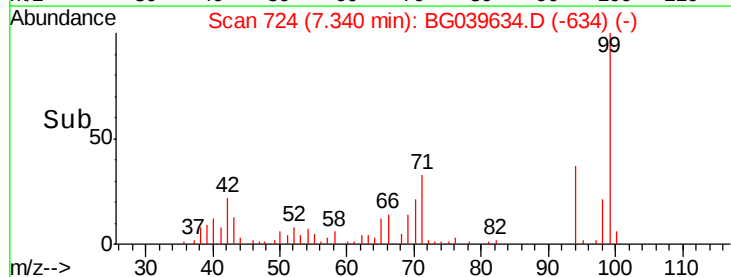
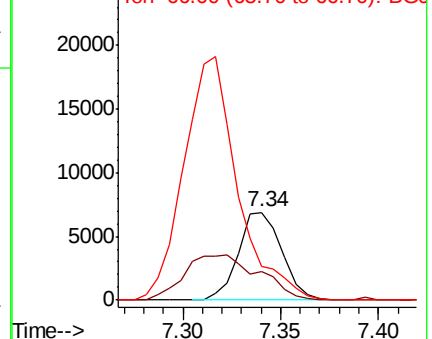
94 100

65 32.4 11.7 51.7

66 37.8 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

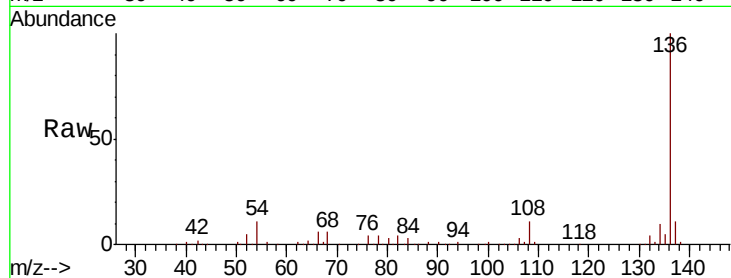




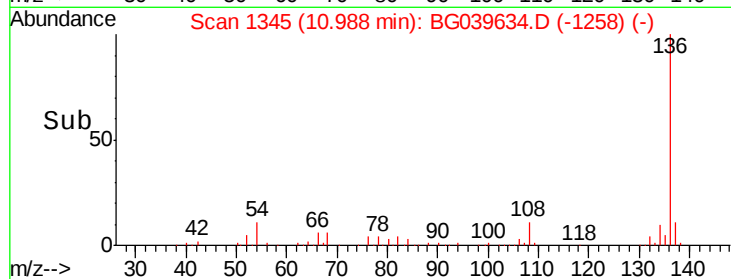
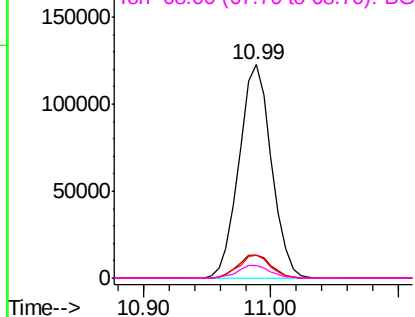
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

Instrument :  
BNA\_G  
ClientSampleId :  
B-6(9-10)

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 217328      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 9.1 13.7    |
| 54          | 10.6  | 9.4 14.2    |
| 68          | 6.0   | 4.2 6.4     |

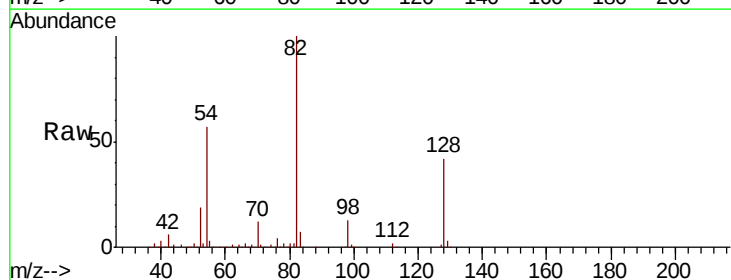


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

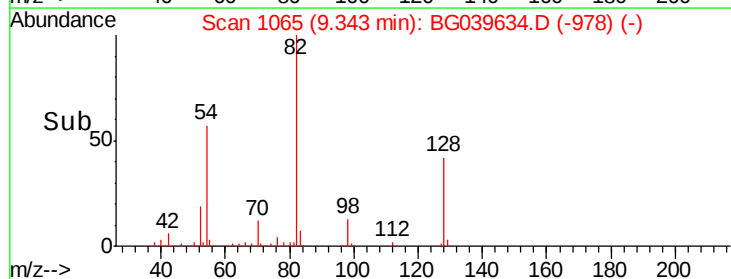
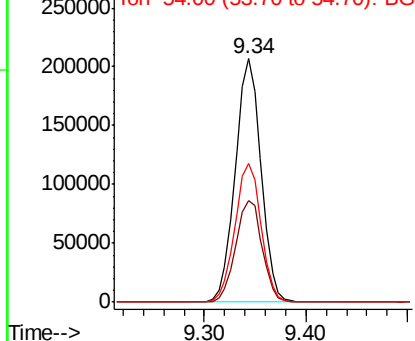


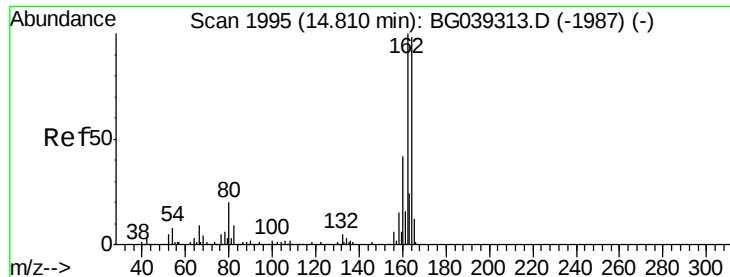
#23  
Nitrobenzene-d5  
Concen: 104.601 ng  
RT: 9.34 min Scan# 1065  
Delta R.T. -0.02 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 363888      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 41.9  | 31.3 46.9   |
| 54          | 57.1  | 50.9 76.3   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
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. -0.02 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

Instrument :

BNA\_G

ClientSampleId :

B-6(9-10)

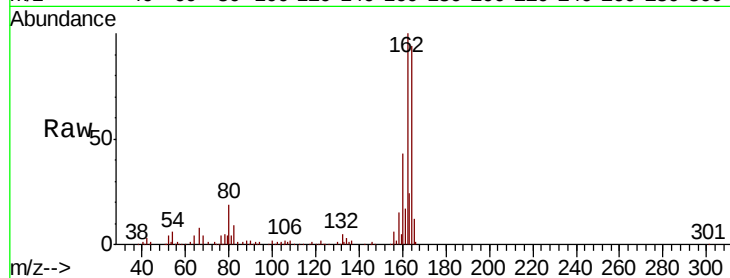
Tot Ion:164 Resp: 146520

Ion Ratio Lower Upper

164 100

162 106.8 81.6 122.4

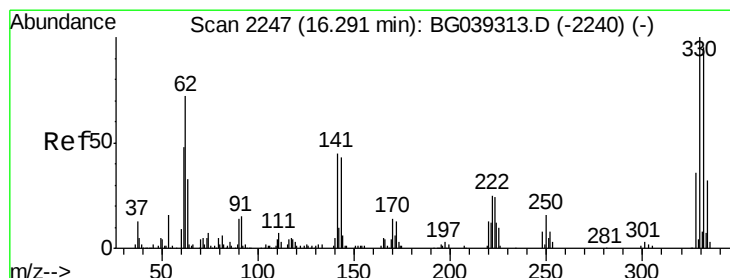
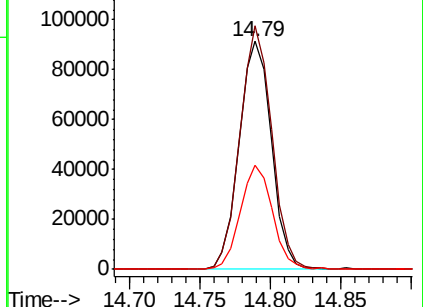
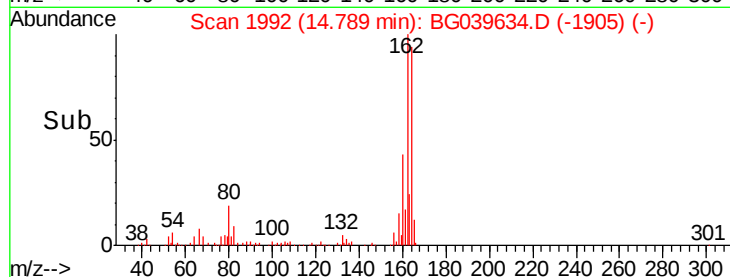
160 45.5 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 162.287 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

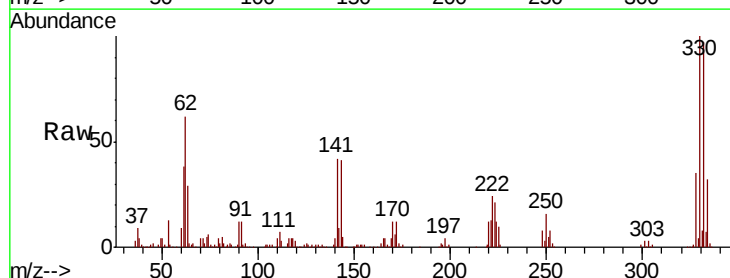
Tgt Ion:330 Resp: 256051

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

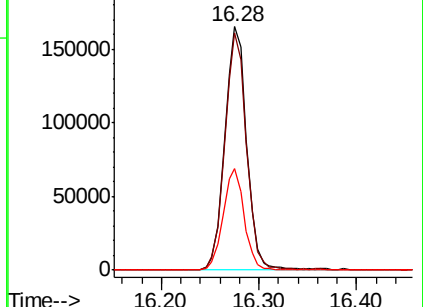
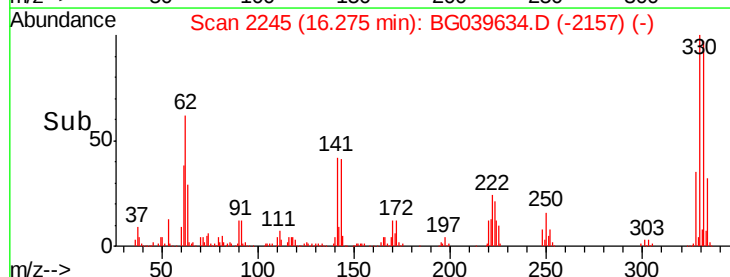
141 40.5 35.6 53.4



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

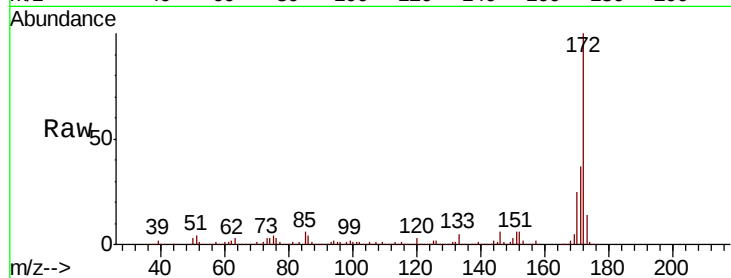




#45  
2-Fluorobiphenyl  
Concen: 84.444 ng  
RT: 13.41 min Scan# 1758  
Delta R.T. -0.02 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

Instrument :  
BNA\_G  
ClientSampleId :  
B-6(9-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 30.8  | 46.2  |
| 170     | 24.7  | 20.2  | 30.4  |

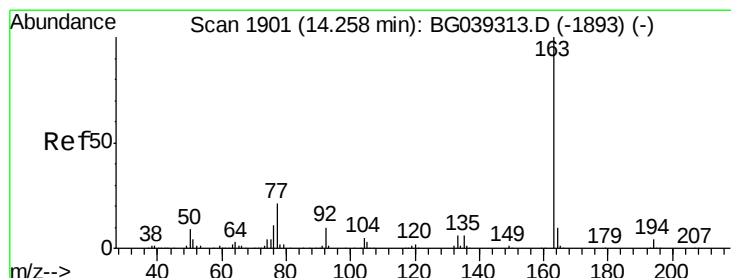
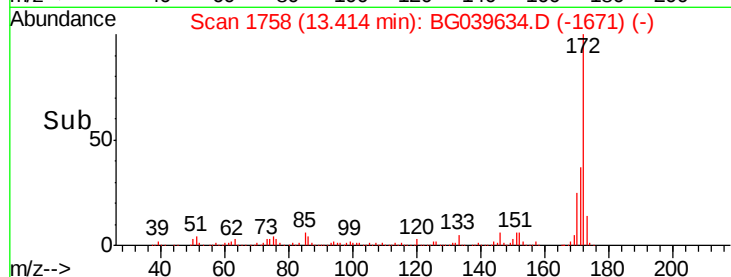
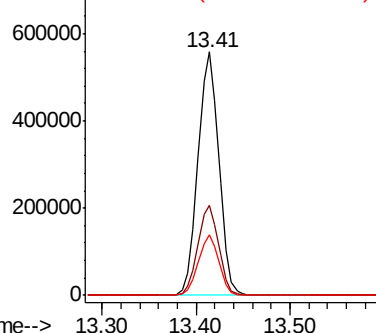


Abundance

Ion 172.00 (171.70 to 172.70): E

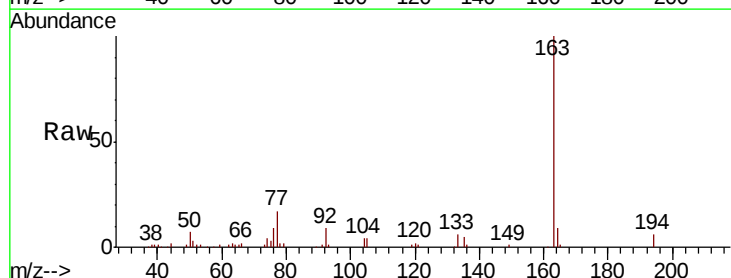
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50  
Dimethylphthalate  
Concen: 5.416 ng  
RT: 14.23 min Scan# 1897  
Delta R.T. -0.03 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.8   | 3.6   | 5.4#  |
| 164     | 8.8   | 8.4   | 12.6  |

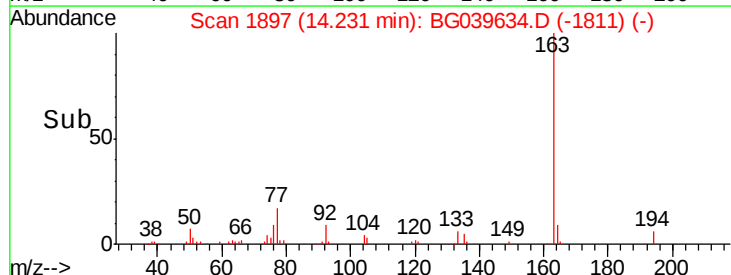
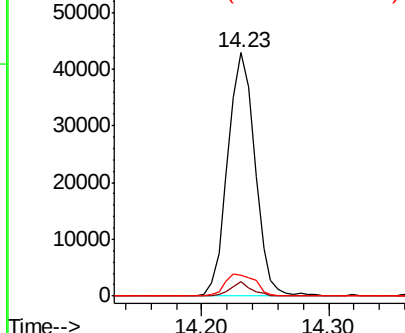


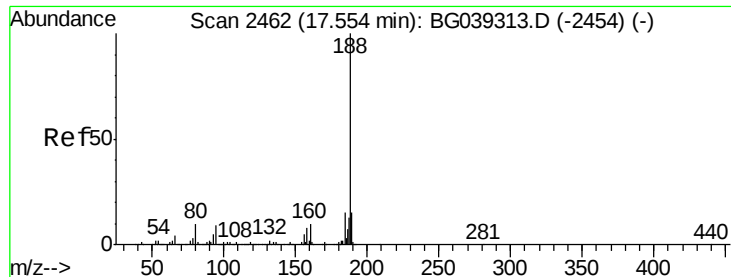
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

Instrument :

BNA\_G

ClientSampleId :

B-6(9-10)

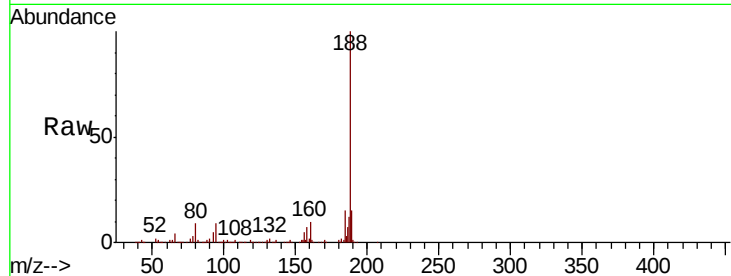
Tot Ion:188 Resp: 379014

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

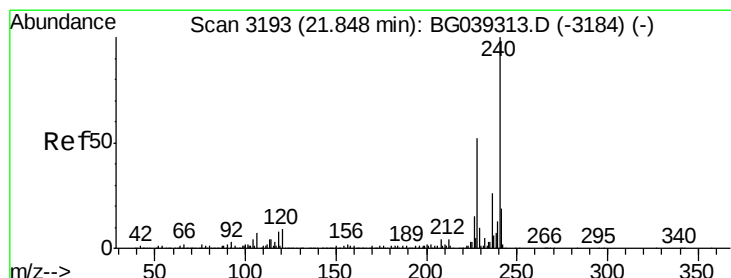
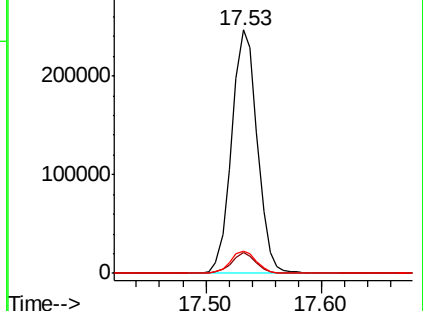
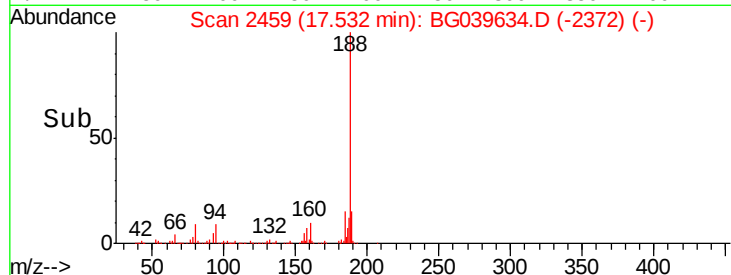
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG039634.D (-2372) (-)

Ion 80.00 (79.70 to 80.70): BG039634.D (-2372) (-)



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.03 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

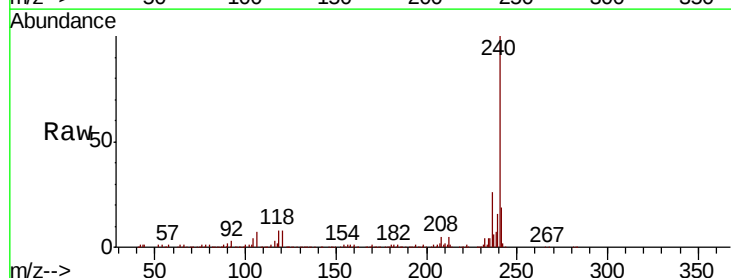
Tgt Ion:240 Resp: 382605

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

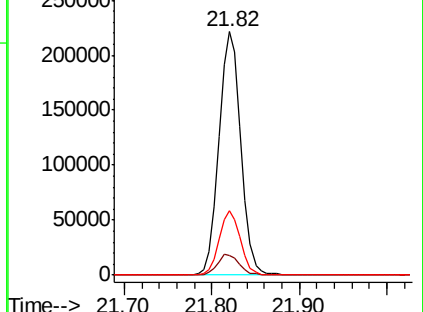
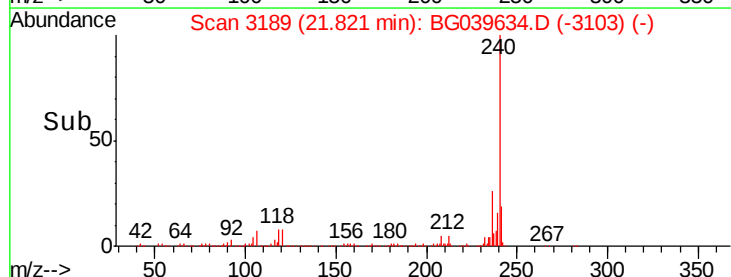
236 26.4 21.0 31.4

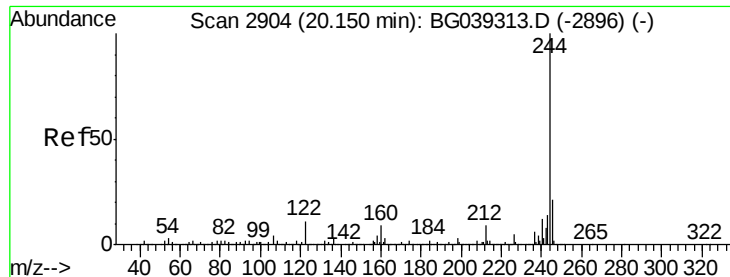


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 74.835 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

Instrument :

BNA\_G

ClientSampled :

B-6(9-10)

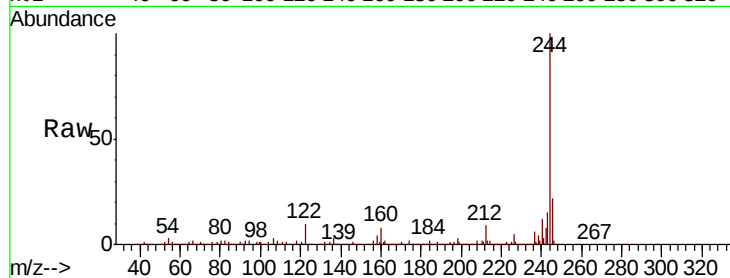
Tot Ion:244 Resp: 1352691

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

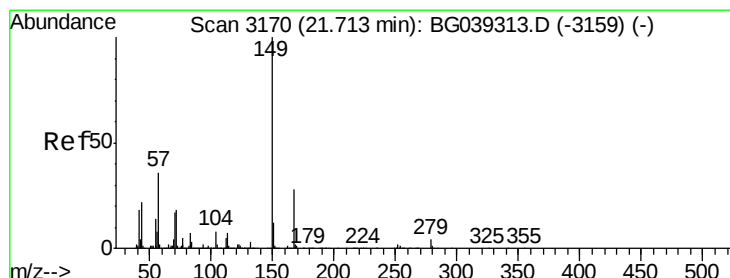
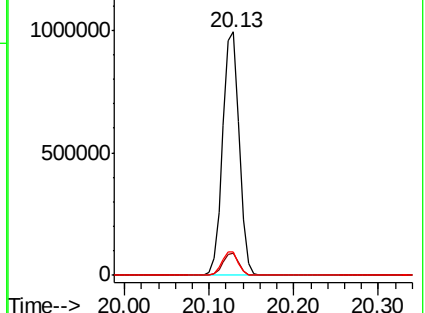
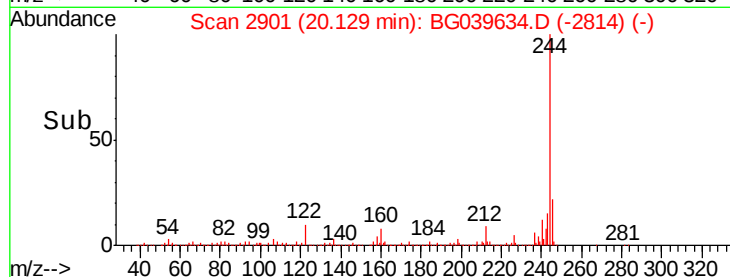
122 9.5 8.4 12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.582 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039634.D

Acq: 27 Feb 2019 14:40

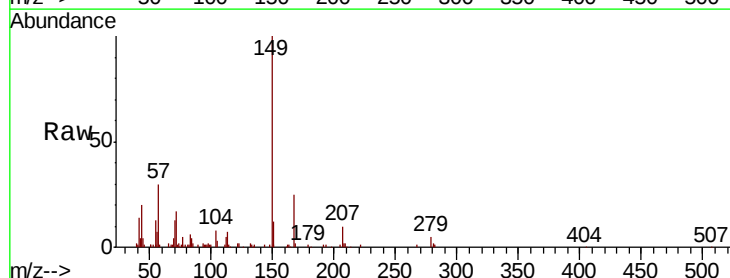
Tgt Ion:149 Resp: 51338

Ion Ratio Lower Upper

149 100

167 25.1 22.6 34.0

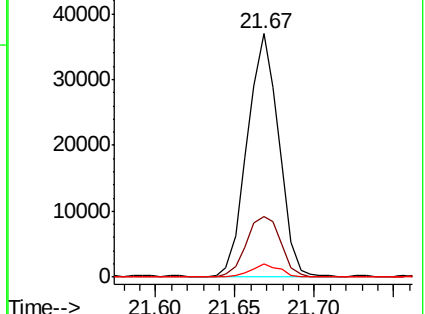
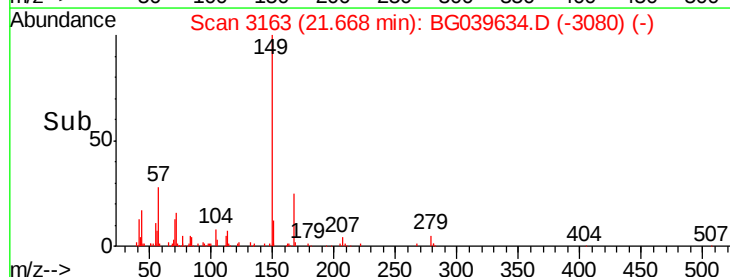
279 5.4 3.5 5.3#

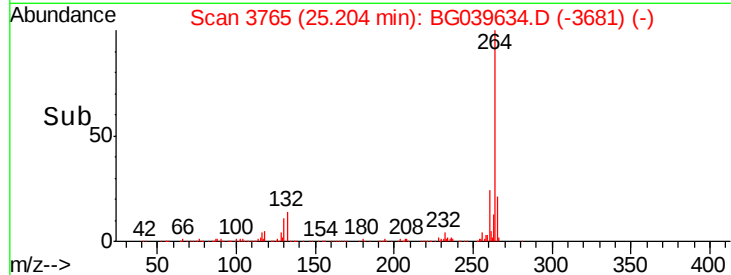
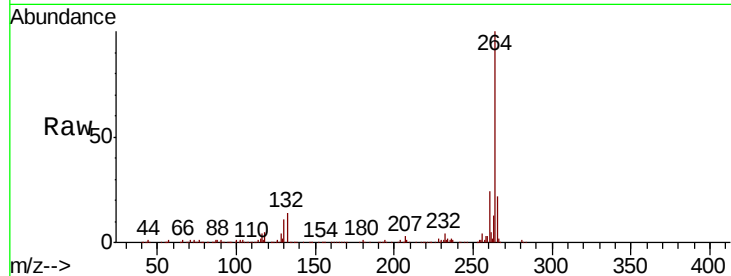
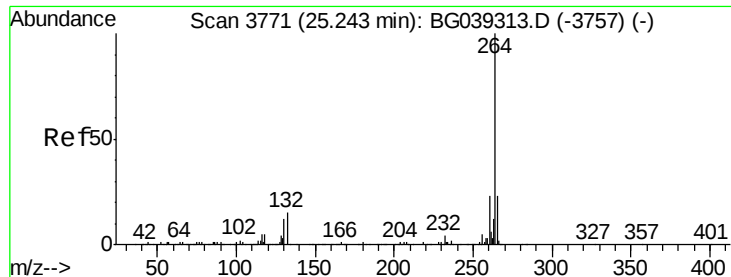


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.20 min Scan# 3765  
Delta R.T. -0.04 min  
Lab File: BG039634.D  
Acq: 27 Feb 2019 14:40

Instrument :  
BNA\_G  
ClientSampleId :  
B-6(9-10)

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 387932 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.8  | 18.2  | 27.4   |
| 265      | 21.6  | 18.5  | 27.7   |

