

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\  
 Data File : BG044752.D  
 Acq On : 13 Mar 2020 2:46  
 Operator : CG/JU  
 Sample : PB127459TB  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127459TB

Quant Time: Mar 13 07:41:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 10 16:27:39 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 95261    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 397365   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 273551   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 623871   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 588092   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.91 | 264  | 646688   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 616696   | 100.78 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 869600   | 97.81  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 568598   | 62.79  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 327479   | 91.43  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1206074  | 63.14  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 1975780  | 62.84  | ng    | 0.00     |

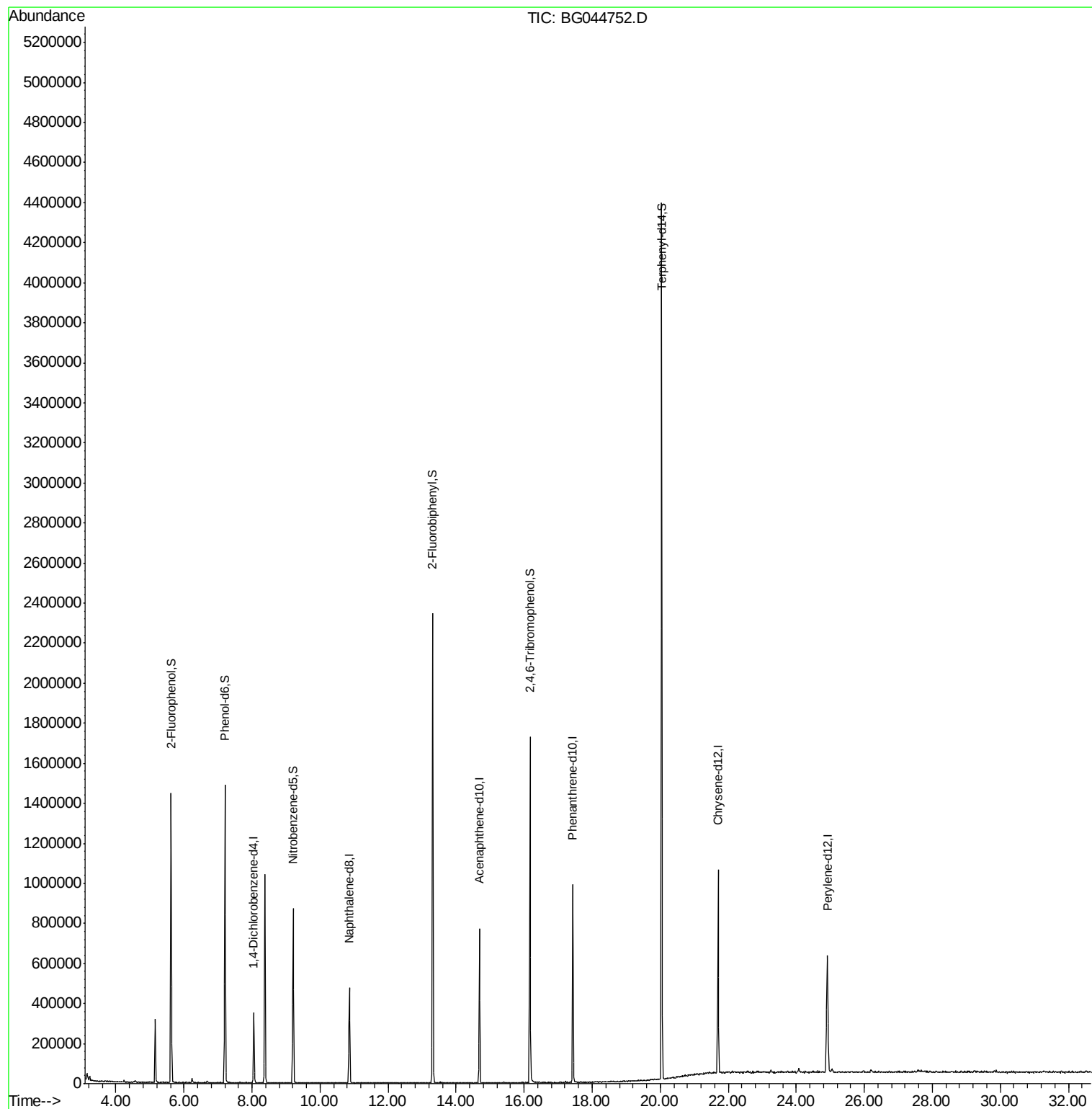
Target Compounds Qvalue

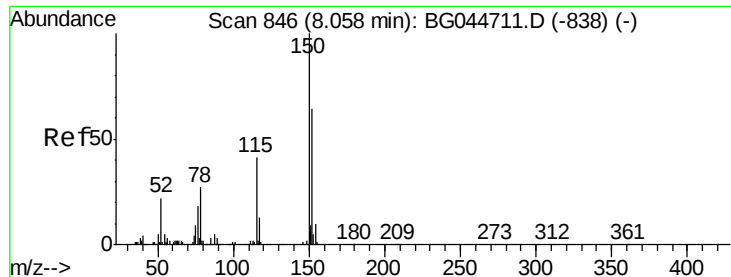
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\  
Data File : BG044752.D  
Acq On : 13 Mar 2020 2:46  
Operator : CG/JU  
Sample : PB127459TB  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB127459TB

Quant Time: Mar 13 07:41:40 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 10 16:27:39 2020  
Response via : Initial Calibration



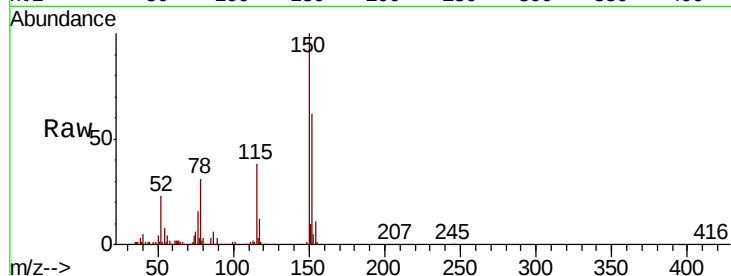


#1

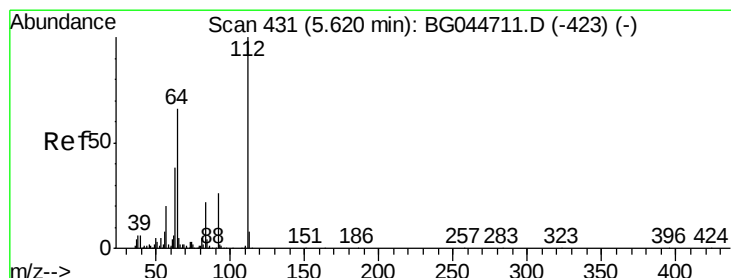
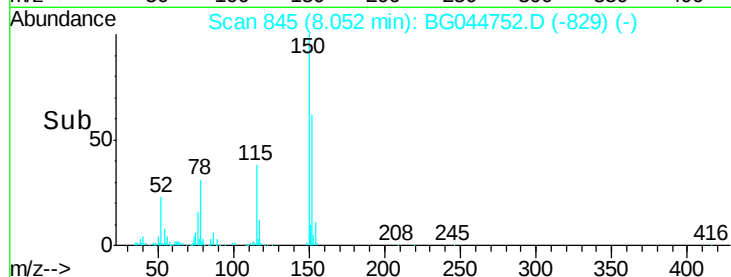
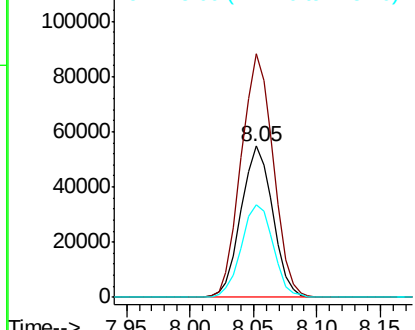
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 845  
Delta R.T. -0.01 min  
Lab File: BG044752.D  
Acq: 13 Mar 2020 2:46

Instrument :  
BNA\_G  
ClientSampleId :  
PB127459TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.4 | 125.3 | 187.9 |
| 115     | 61.5  | 51.7  | 77.5  |



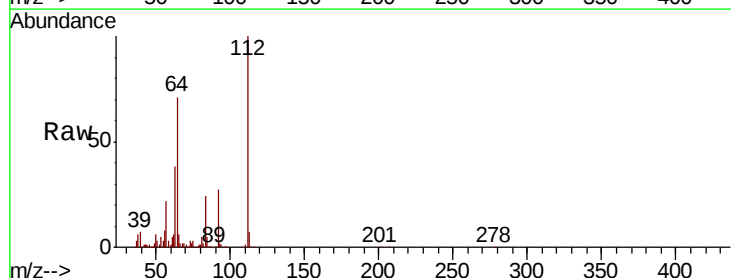
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



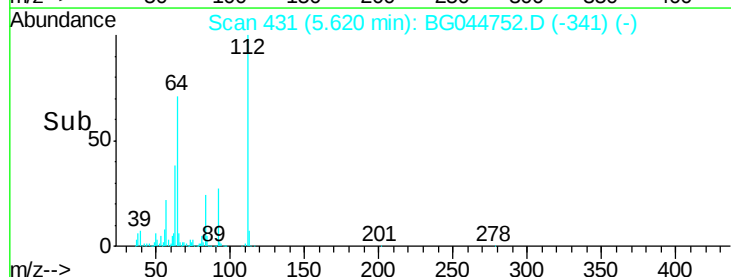
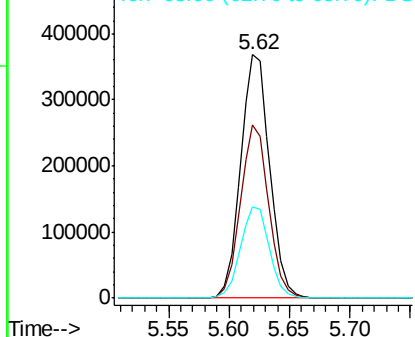
#5

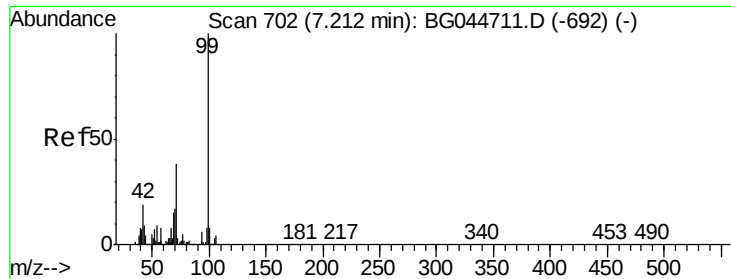
2-Fluorophenol  
Concen: 100.776 ng  
RT: 5.62 min Scan# 431  
Delta R.T. -0.00 min  
Lab File: BG044752.D  
Acq: 13 Mar 2020 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.9  | 52.6  | 78.8  |
| 63      | 37.6  | 30.2  | 45.4  |



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: 97.805 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA\_G

ClientSampleId :

PB127459TB

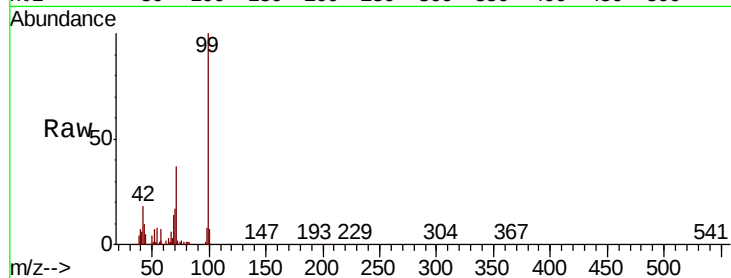
Tot Ion: 99 Resp: 869600

Ion Ratio Lower Upper

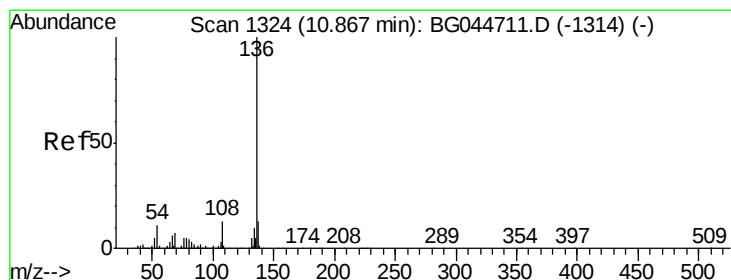
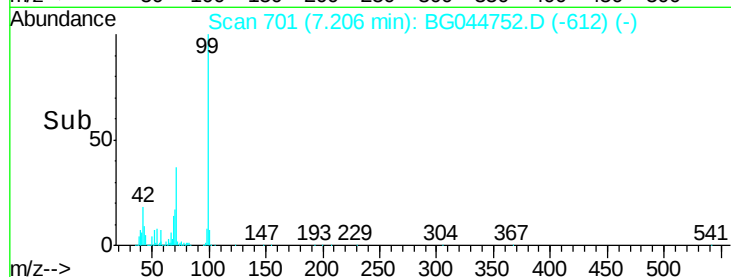
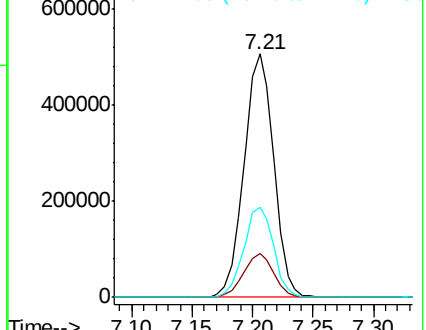
99 100

42 18.2 15.4 23.0

71 36.7 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: 10.86 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Tgt Ion: 136 Resp: 397365

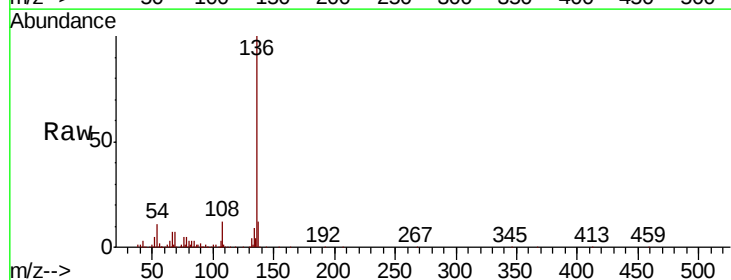
Ion Ratio Lower Upper

136 100

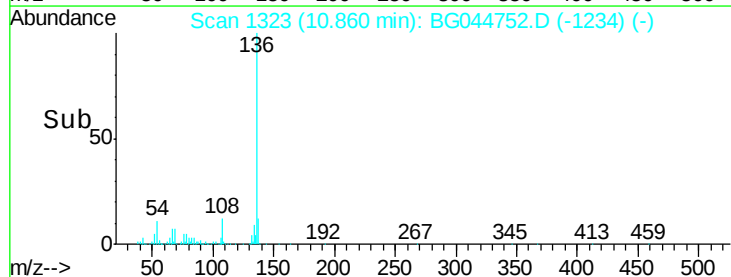
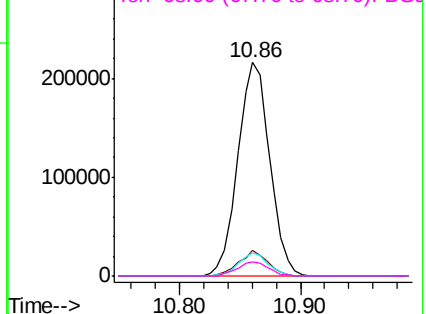
137 12.1 10.7 16.1

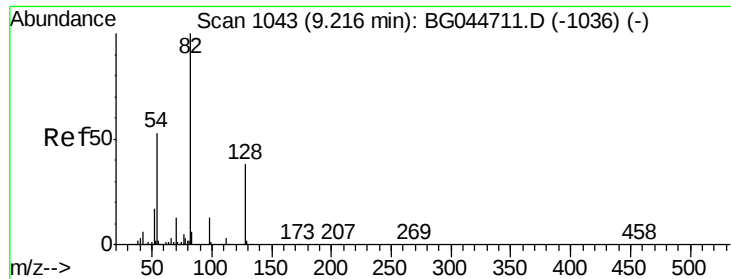
54 10.6 9.0 13.4

68 6.7 5.9 8.9



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

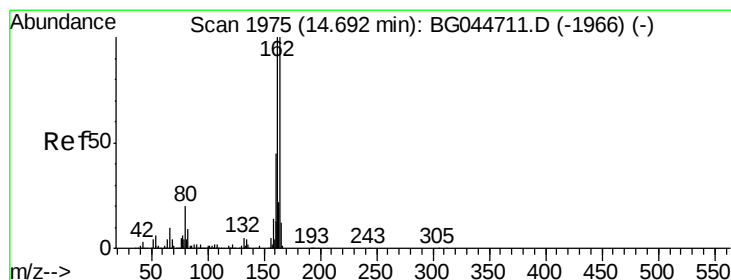
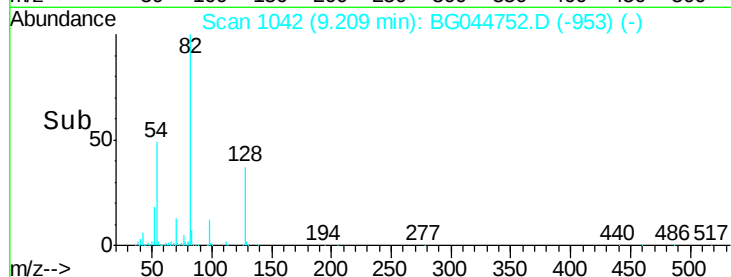
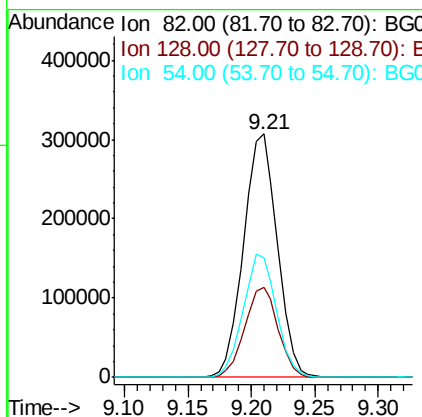
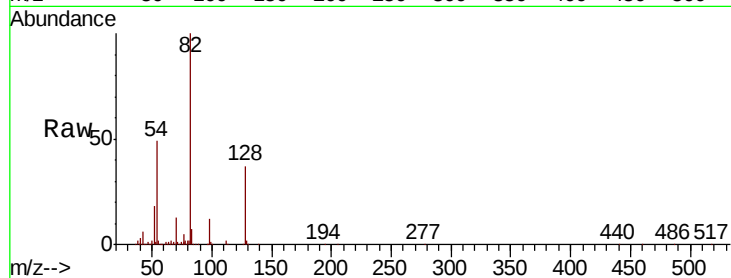




#23  
 Nitrobenzene-d5  
 Concen: 62.791 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: BG044752.D  
 Acq: 13 Mar 2020 2:46

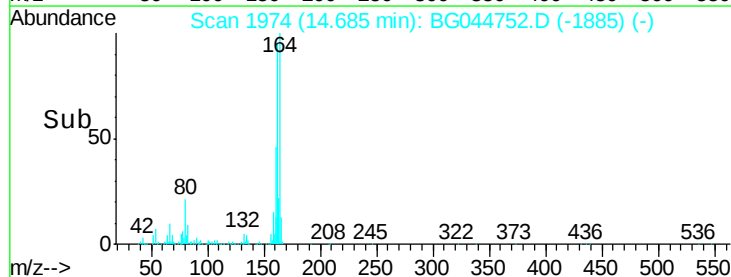
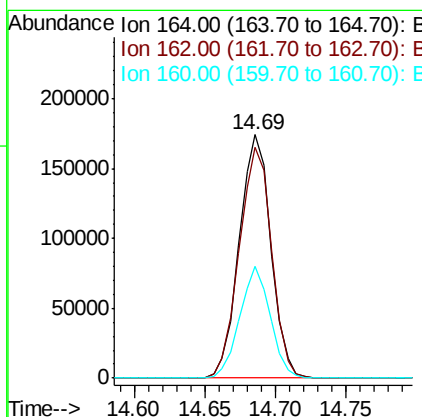
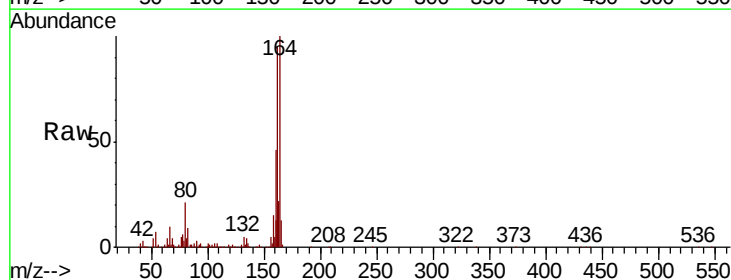
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127459TB

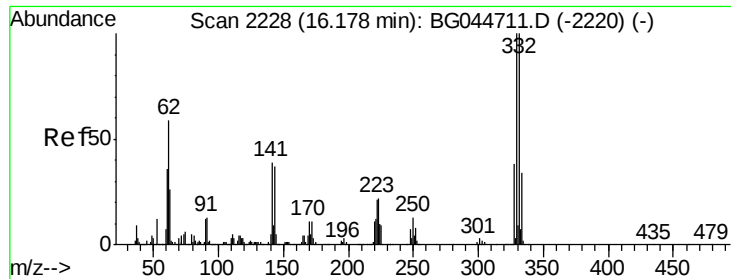
| Tot Ion   | 82    | Resp  | 568598 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.1  | 30.2  | 45.2   |
| 54        | 49.3  | 41.8  | 62.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.69 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BG044752.D  
 Acq: 13 Mar 2020 2:46

| Tgt Ion   | 164   | Resp  | 273551 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 94.7  | 80.2  | 120.4  |
| 160       | 45.7  | 36.2  | 54.2   |

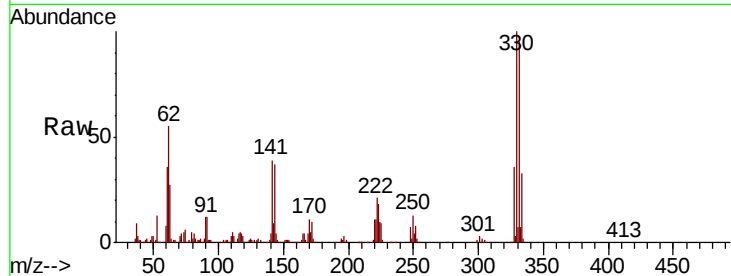




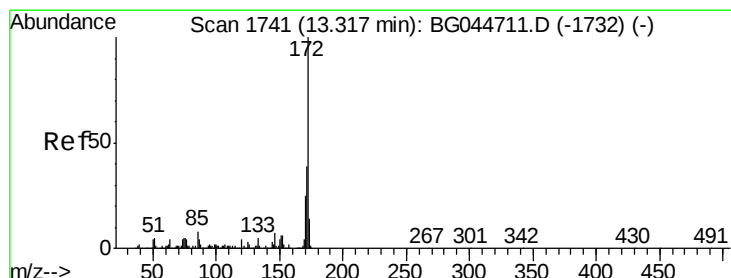
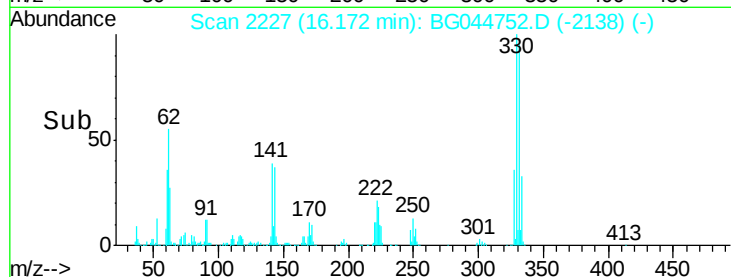
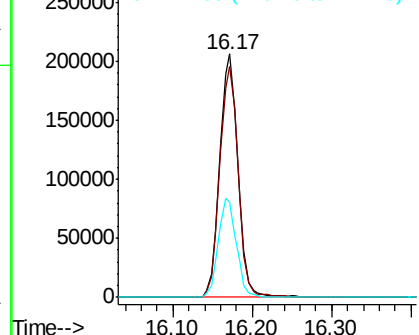
#42  
 2,4,6-Tribromophenol  
 Concen: 91.430 ng  
 RT: 16.17 min Scan# 2227  
 Delta R.T. -0.01 min  
 Lab File: BG044752.D  
 Acq: 13 Mar 2020 2:46

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB127459TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.5  | 116.3 |
| 141     | 40.5  | 31.7  | 47.5  |

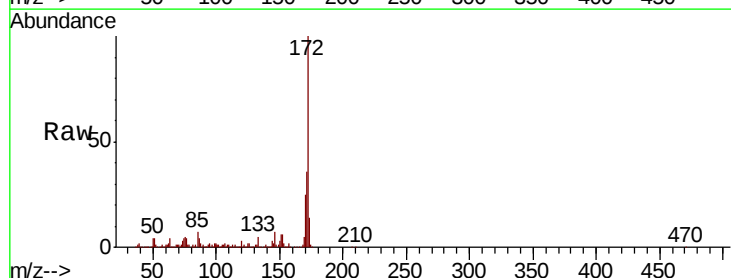


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

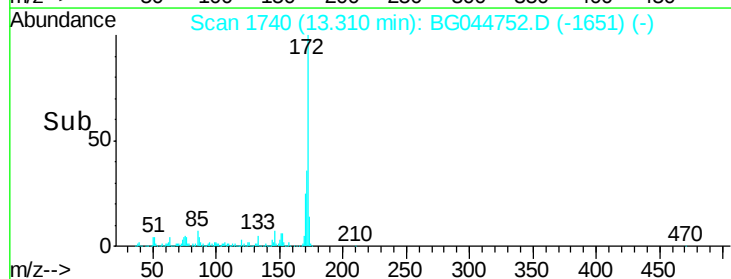
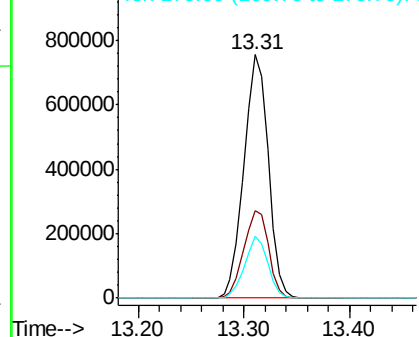


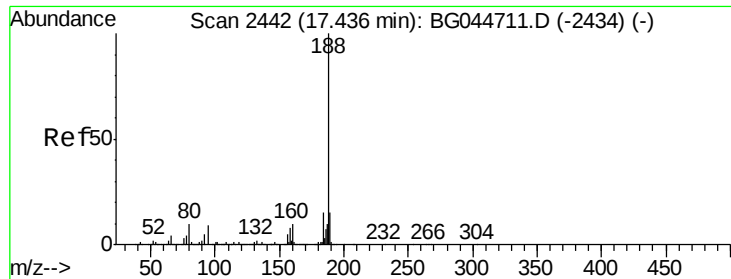
#45  
 2-Fluorobiphenyl  
 Concen: 63.138 ng  
 RT: 13.31 min Scan# 1740  
 Delta R.T. -0.01 min  
 Lab File: BG044752.D  
 Acq: 13 Mar 2020 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 30.8  | 46.2  |
| 170     | 25.5  | 20.0  | 30.0  |



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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA\_G

ClientSampleId :

PB127459TB

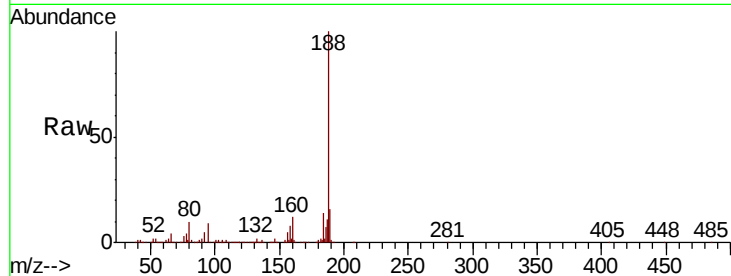
Tot Ion:188 Resp: 623871

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

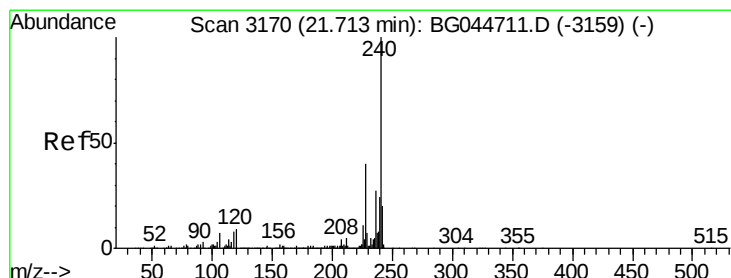
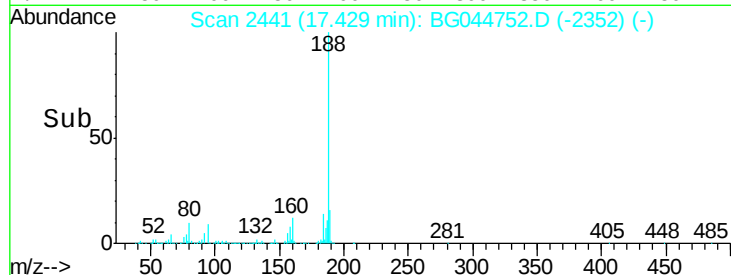
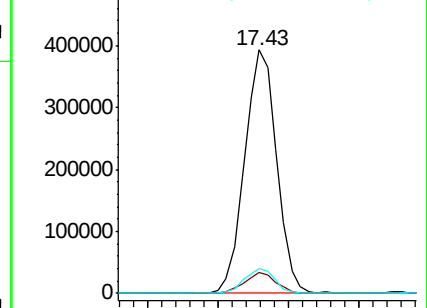
80 10.3 8.4 12.6



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: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

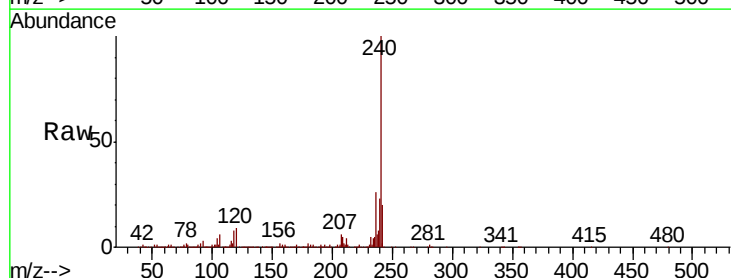
Tgt Ion:240 Resp: 588092

Ion Ratio Lower Upper

240 100

120 9.3 6.9 10.3

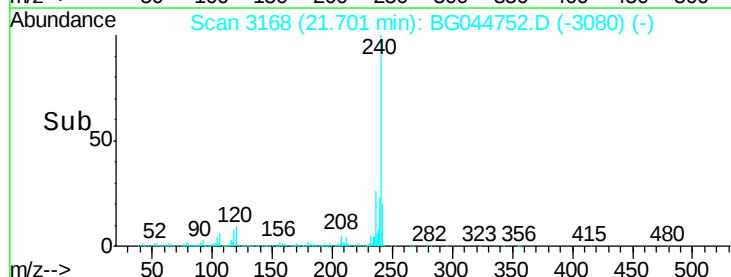
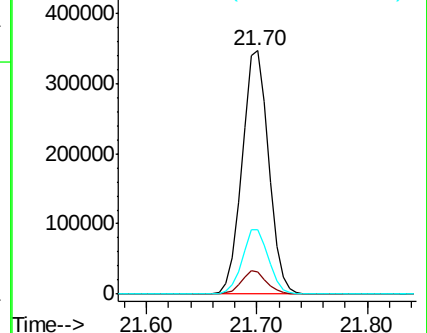
236 26.3 21.9 32.9

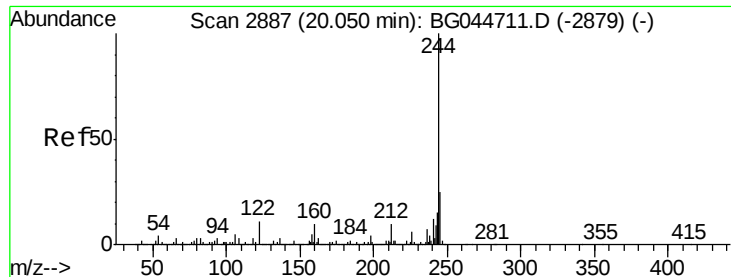


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 62.844 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

Instrument :

BNA\_G

ClientSampleId :

PB127459TB

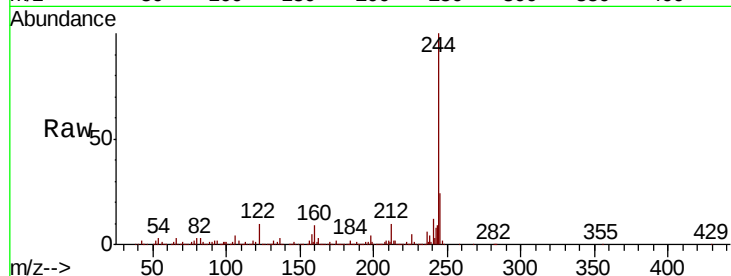
Tot Ion:244 Resp: 1975780

Ion Ratio Lower Upper

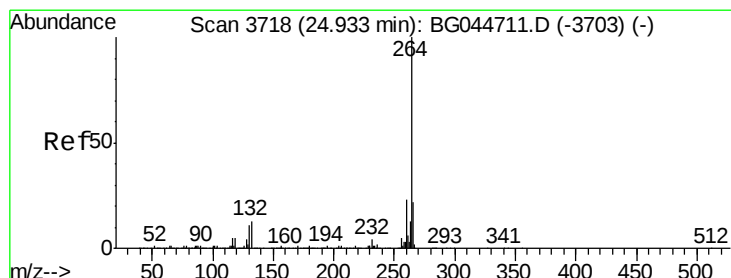
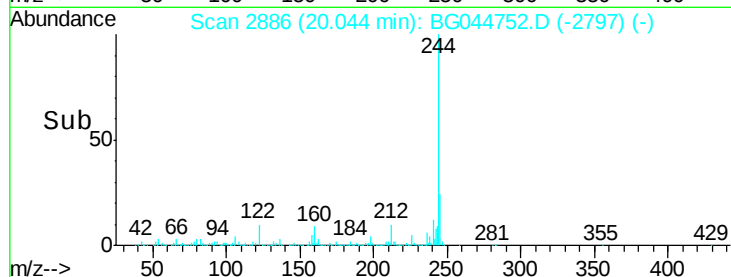
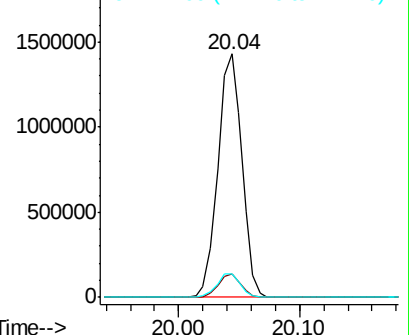
244 100

212 9.8 8.4 12.6

122 9.5 8.7 13.1



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: 24.91 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG044752.D

Acq: 13 Mar 2020 2:46

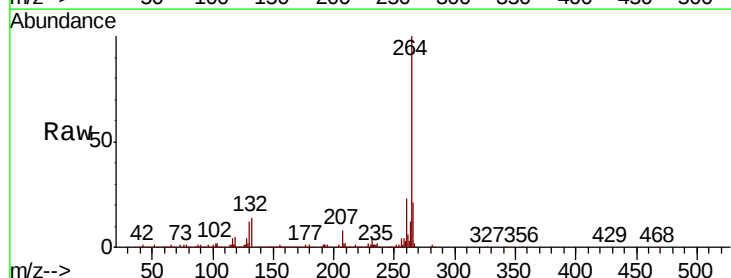
Tgt Ion:264 Resp: 646688

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.1 17.4 26.2



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

