

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010820\  
 Data File : BG043975.D  
 Acq On : 8 Jan 2020 20:01  
 Operator : JU  
 Sample : PB125951TB  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB125951TB

Quant Time: Jan 09 06:53:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 119735   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.76 | 136  | 466745   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.59 | 164  | 285535   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.33 | 188  | 666525   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.58 | 240  | 565650   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.70 | 264  | 308420   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 979394   | 150.19 | ng    | 0.00     |
| 7) Phenol-d6                | 7.13  | 99   | 1273628  | 139.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 805223   | 92.29  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.07 | 330  | 504259   | 168.76 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.21 | 172  | 1661357  | 105.42 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.95 | 244  | 2427413  | 112.04 | ng    | -0.01    |

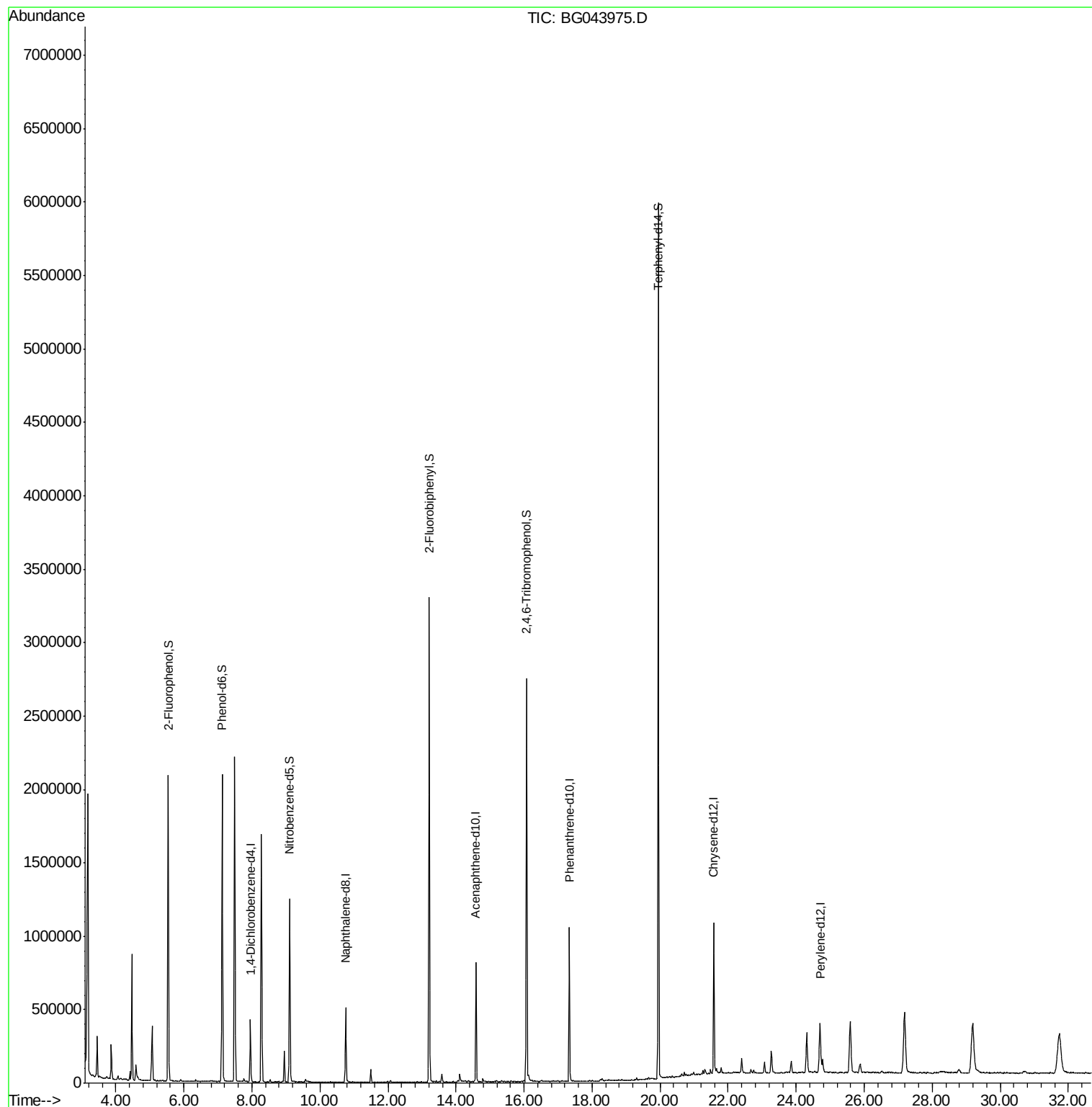
Target Compounds Qvalue

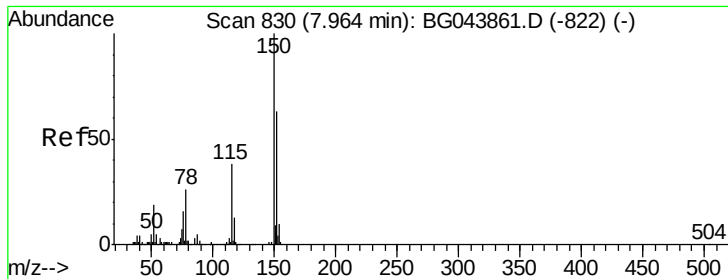
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB125951TB

Quant Time: Jan 09 06:53:17 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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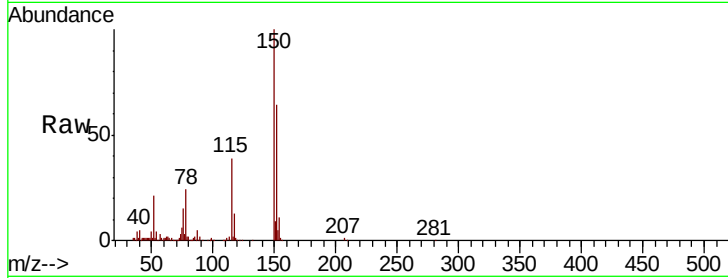


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BG043975.D  
Acq: 8 Jan 2020 20:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB125951TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 127.0 | 190.4 |
| 115     | 60.5  | 47.8  | 71.8  |

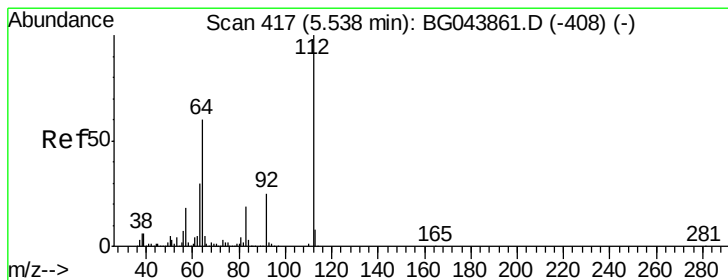
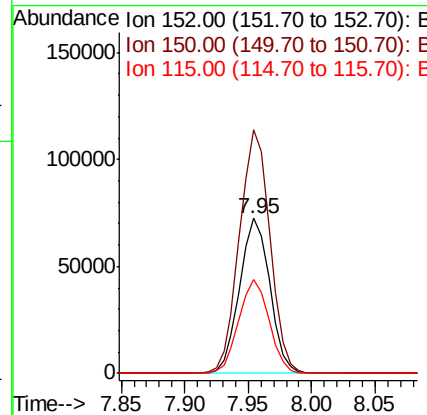
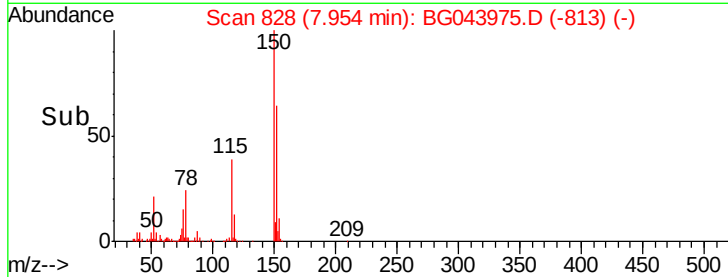


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

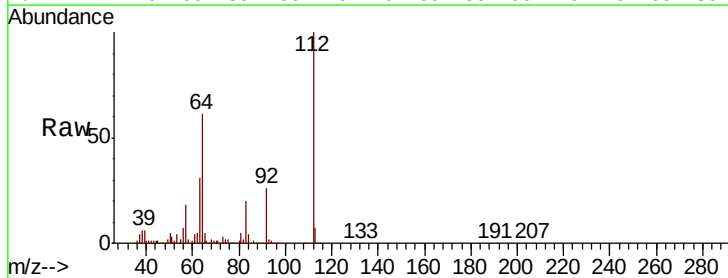
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 150.189 ng  
RT: 5.54 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BG043975.D  
Acq: 8 Jan 2020 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.5  | 47.8  | 71.6  |
| 63      | 31.5  | 24.3  | 36.5  |

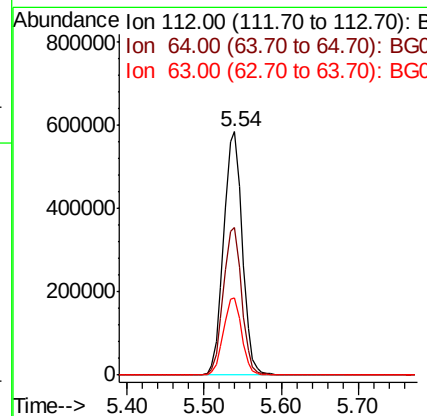
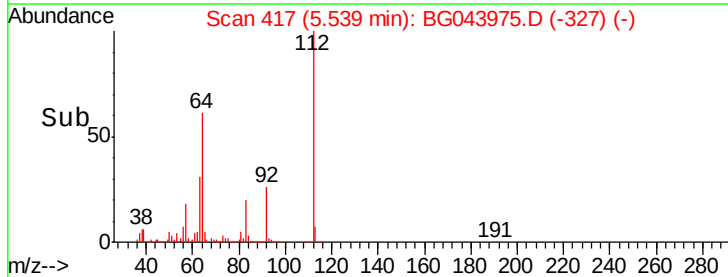


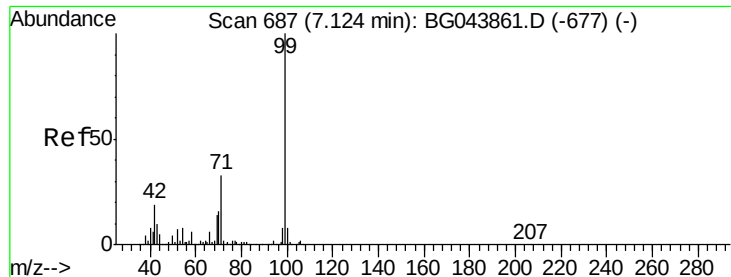
Abundance

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: 139.724 ng

RT: 7.13 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

Instrument :

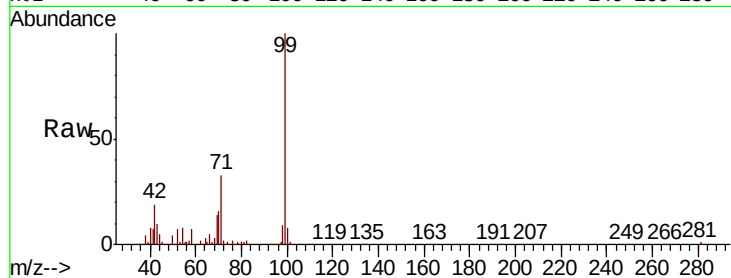
BNA\_G

ClientSampleId :

PB125951TB

Tot Ion: 99 Resp: 1273628

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.9  | 14.9  | 22.3  |
| 71  | 33.2  | 26.4  | 39.6  |

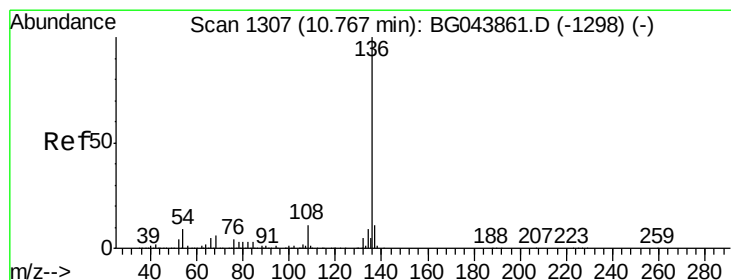
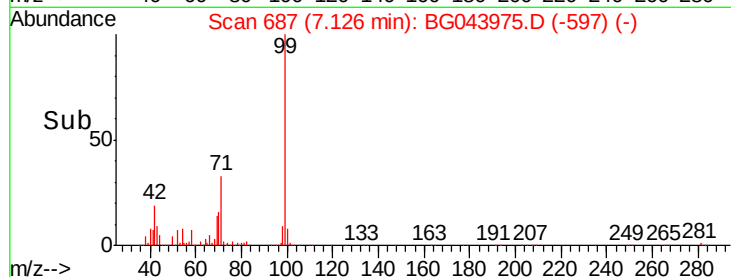
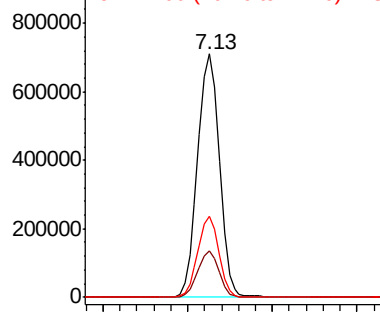


Abundance

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: 10.76 min Scan# 1305

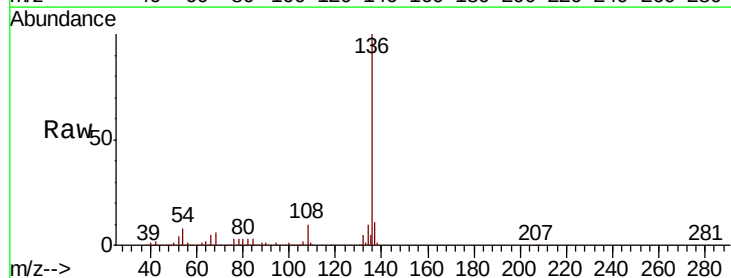
Delta R.T. -0.01 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

Tgt Ion: 136 Resp: 466745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 7.5   | 7.0   | 10.4  |
| 68  | 6.4   | 4.9   | 7.3   |



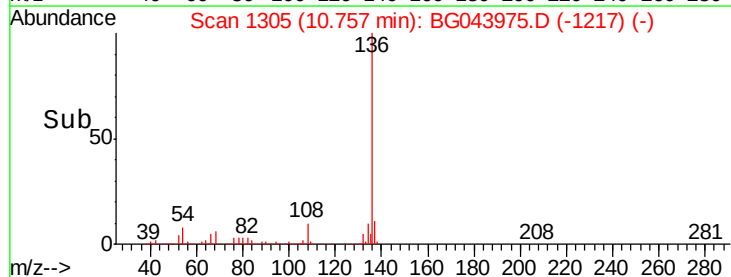
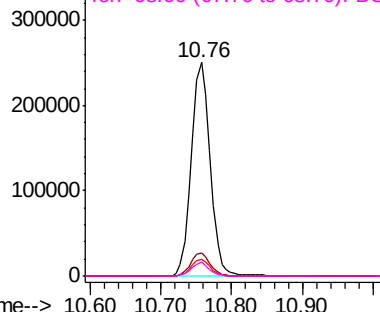
Abundance

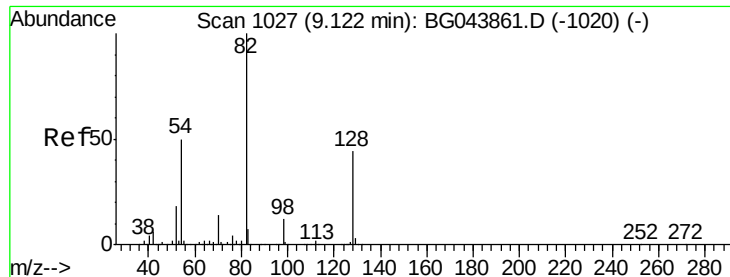
Ion 136.00 (135.70 to 136.70): BGC

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

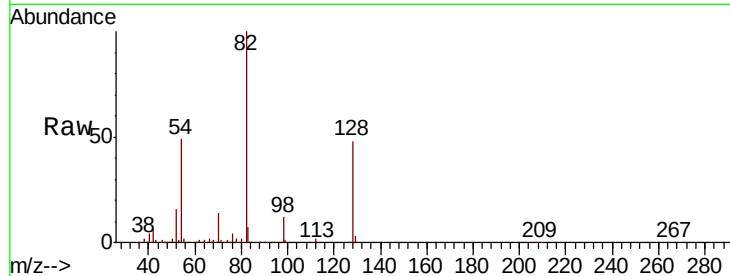




#23  
Nitrobenzene-d5  
Concen: 92.290 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BG043975.D  
Acq: 8 Jan 2020 20:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB125951TB

| Tot Ion   | 82    | Resp  | 805223 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.8  | 35.1  | 52.7   |
| 54        | 49.1  | 40.1  | 60.1   |

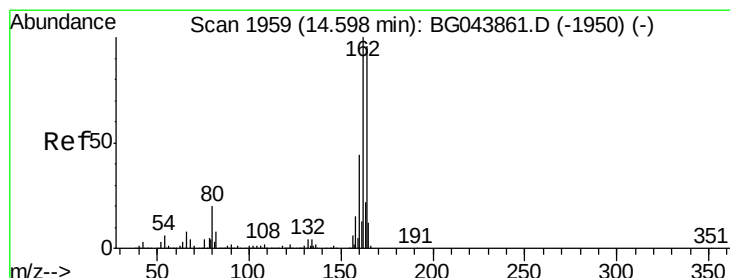
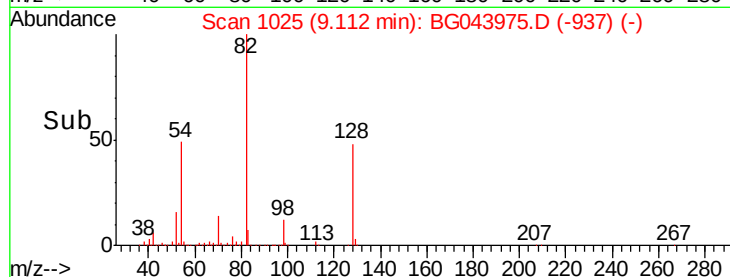
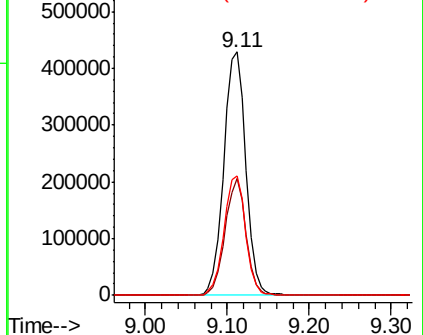


Abundance

Ion 82.00 (81.70 to 82.70): BGC

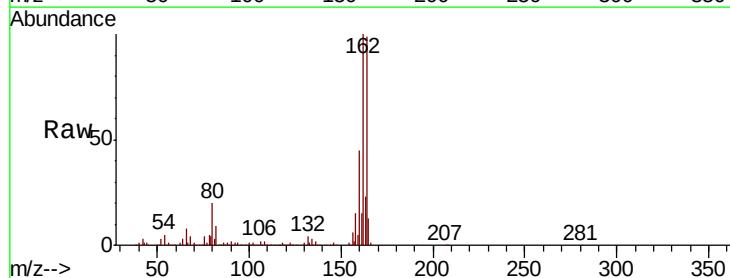
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.59 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BG043975.D  
Acq: 8 Jan 2020 20:01

| Tgt Ion   | 164   | Resp  | 285535 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.9 | 83.0  | 124.4  |
| 160       | 45.2  | 36.1  | 54.1   |

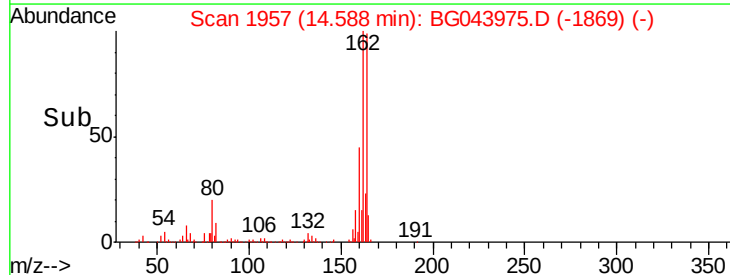
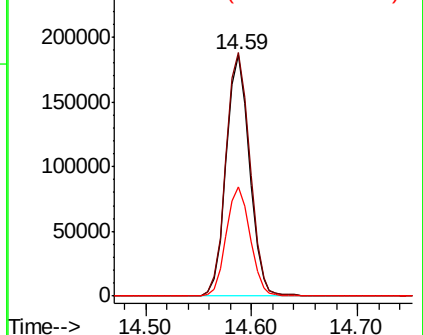


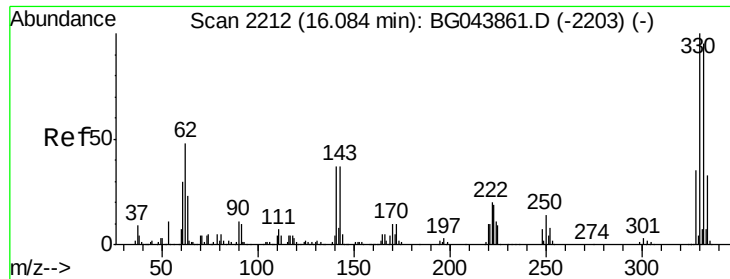
Abundance

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

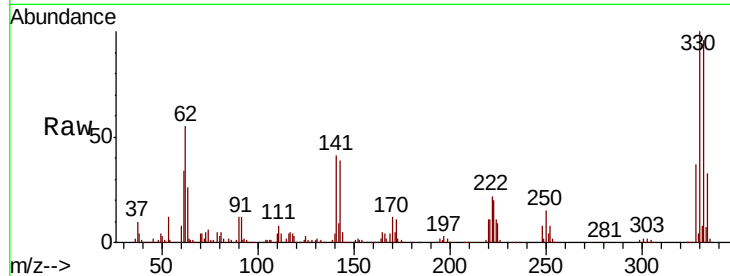




#42  
 2,4,6-Tribromophenol  
 Concen: 168.758 ng  
 RT: 16.07 min Scan# 2210  
 Delta R.T. -0.01 min  
 Lab File: BG043975.D  
 Acq: 8 Jan 2020 20:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB125951TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.2  | 115.8 |
| 141     | 39.7  | 33.1  | 49.7  |

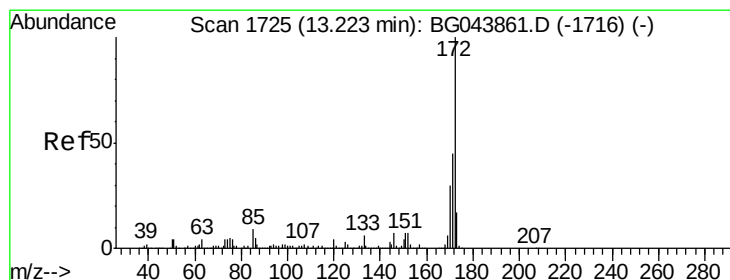
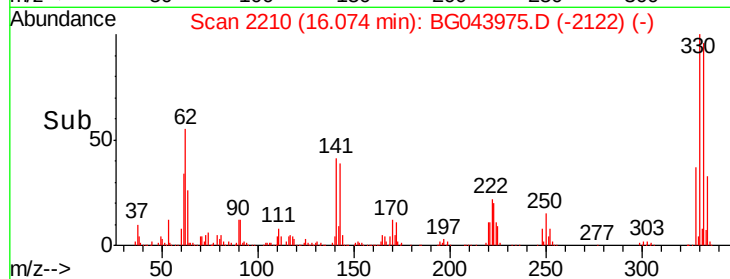
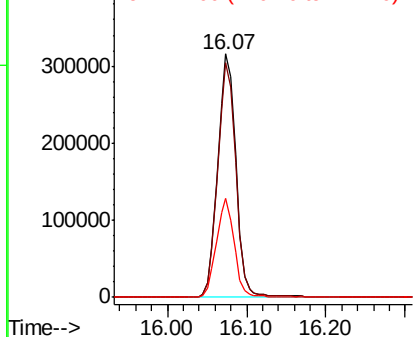


Abundance

Ion 329.80 (329.50 to 330.50): E

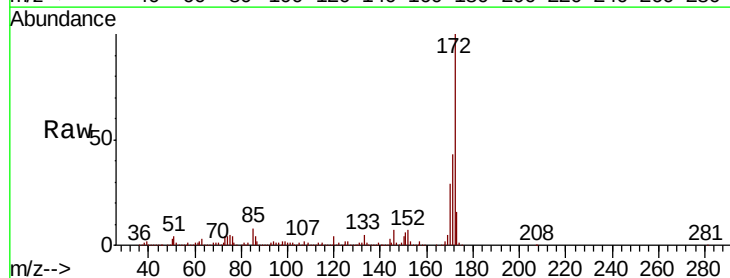
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 105.416 ng  
 RT: 13.21 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BG043975.D  
 Acq: 8 Jan 2020 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 42.7  | 35.8  | 53.8  |
| 170     | 29.1  | 24.2  | 36.4  |

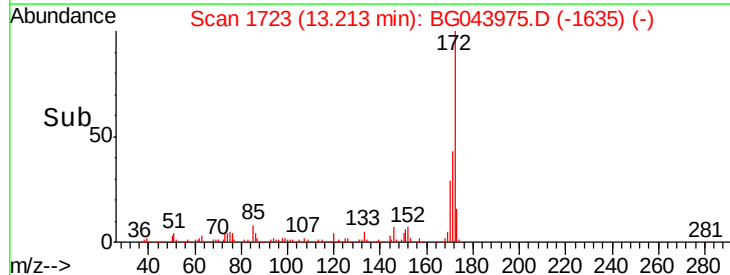
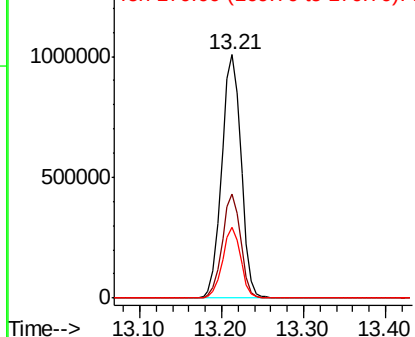


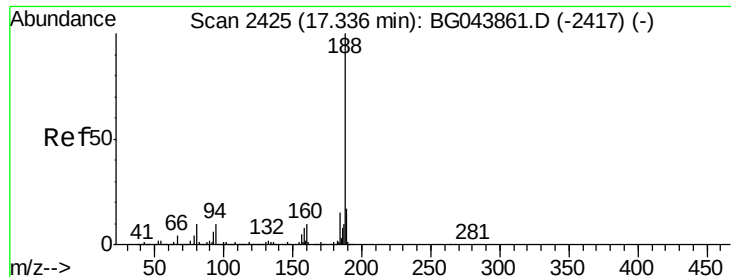
Abundance

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: 17.33 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

Instrument :

BNA\_G

ClientSampleId :

PB125951TB

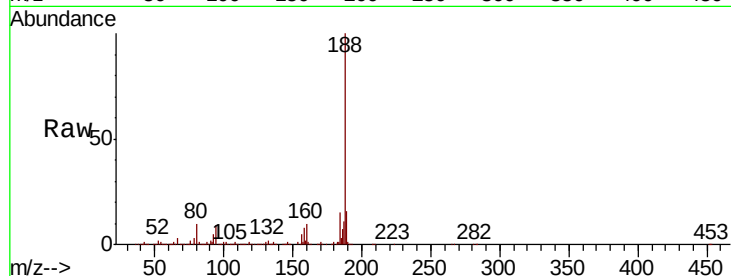
Tot Ion:188 Resp: 666525

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

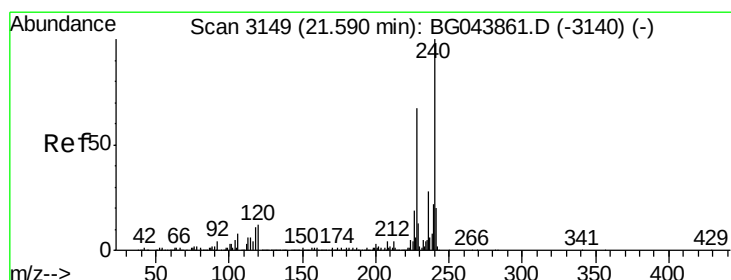
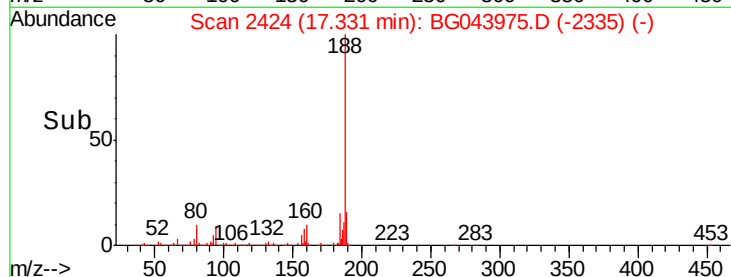
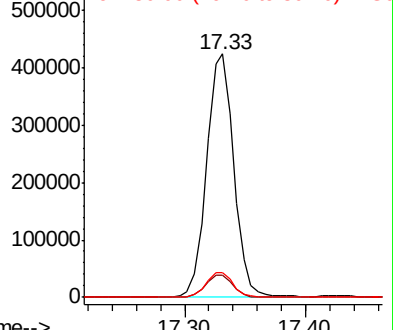
80 10.3 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG043975.D (-2335) (-)

Ion 80.00 (79.70 to 80.70): BG043975.D (-2335) (-)



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

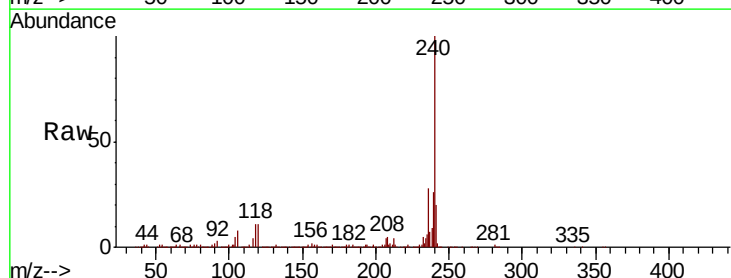
Tgt Ion:240 Resp: 565650

Ion Ratio Lower Upper

240 100

120 11.1 9.6 14.4

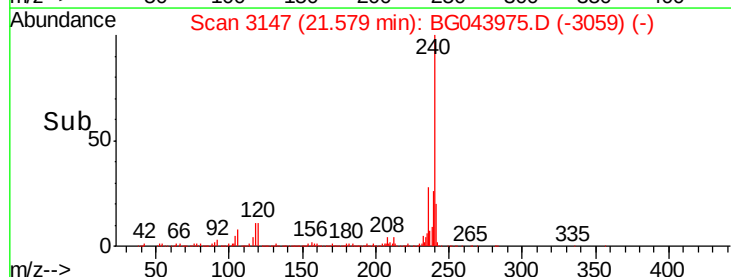
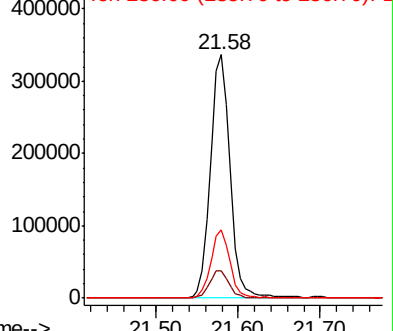
236 28.0 22.2 33.2

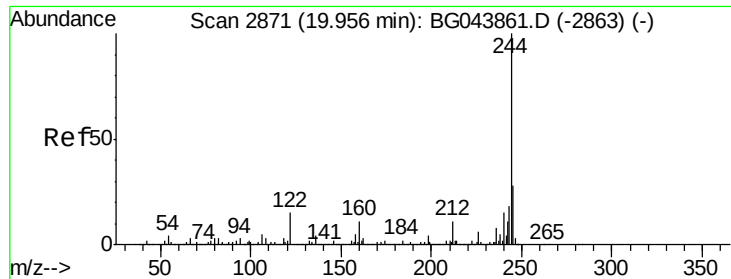


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 112.041 ng

RT: 19.95 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

Instrument :

BNA\_G

ClientSampleId :

PB125951TB

Tot Ion:244 Resp: 2427413

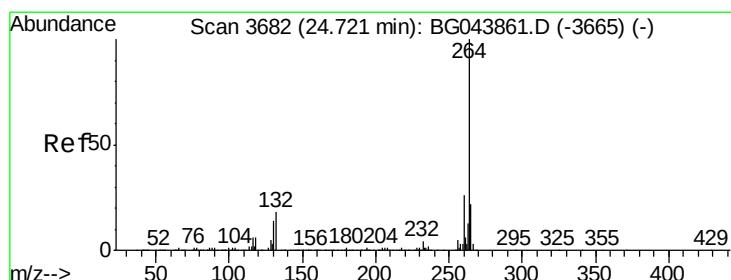
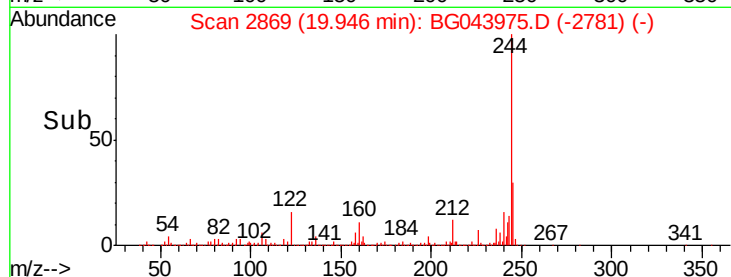
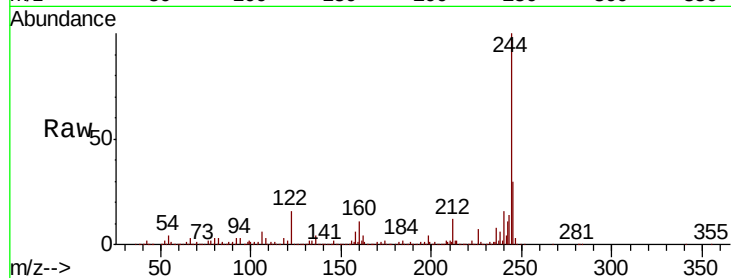
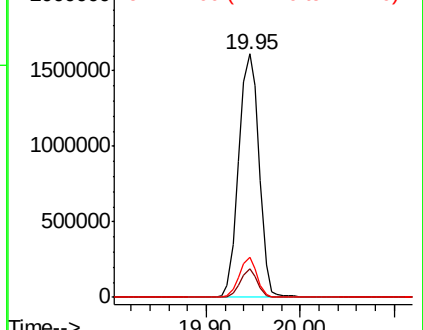
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 11.9  | 8.6   | 13.0  |
| 122 | 16.3  | 11.9  | 17.9  |

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: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG043975.D

Acq: 8 Jan 2020 20:01

Tgt Ion:264 Resp: 308420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.3  | 20.4  | 30.6  |
| 265 | 22.6  | 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

