

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\  
 Data File : BG044857.D  
 Acq On : 18 Mar 2020 9:01  
 Operator : CG/JU  
 Sample : PB127536BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127536BL

Quant Time: Mar 18 12:59:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 17:37:15 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 82221    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 324670   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.67 | 164  | 227123   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.42 | 188  | 517943   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.68 | 240  | 474484   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.89 | 264  | 518498   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 579874   | 109.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 818839   | 106.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 532455   | 71.96  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 360823   | 121.33 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 1157602  | 72.99  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 1910714  | 75.33  | ng    | 0.00     |

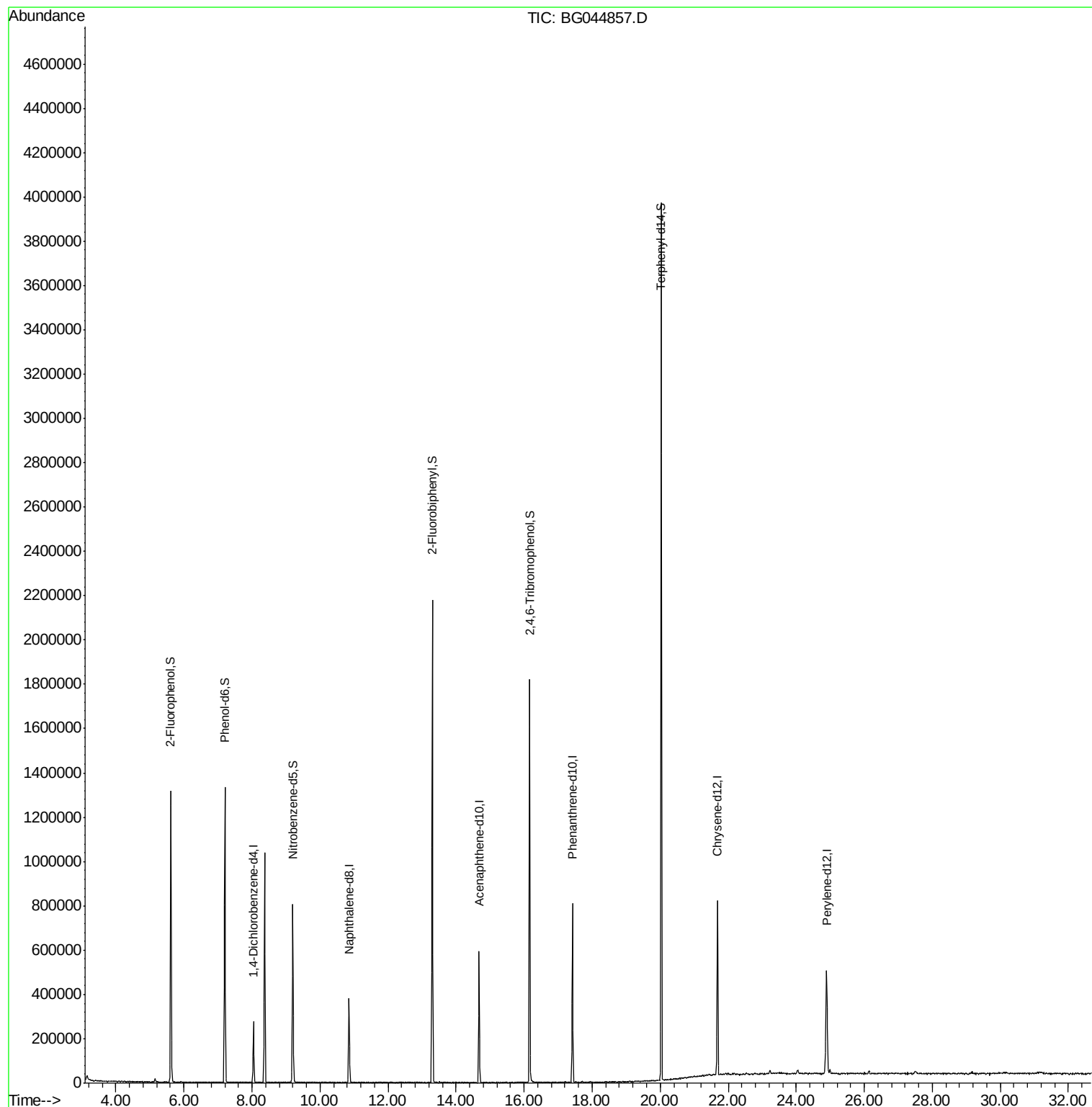
Target Compounds Qvalue

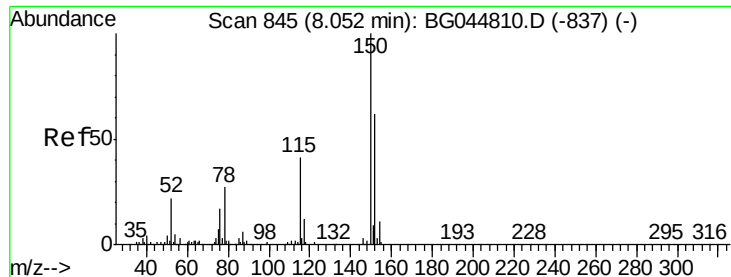
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_G  
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Quant Time: Mar 18 12:59:22 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 16 17:37:15 2020  
Response via : Initial Calibration



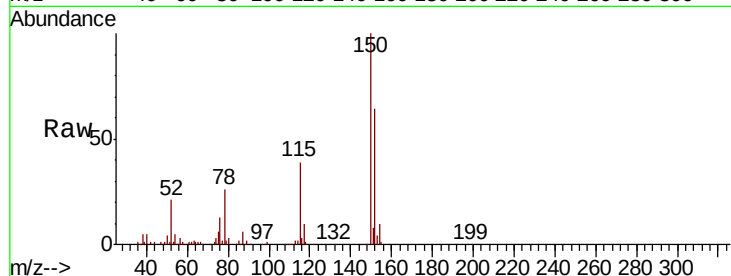


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BG044857.D  
Acq: 18 Mar 2020 9:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB127536BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 128.8 | 193.2 |
| 115     | 60.4  | 52.6  | 79.0  |

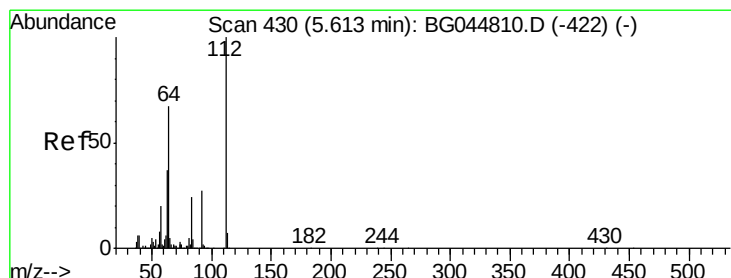
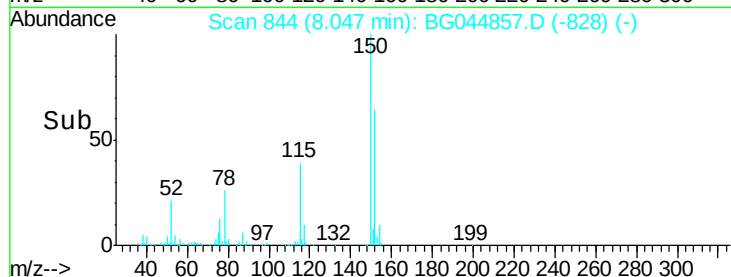
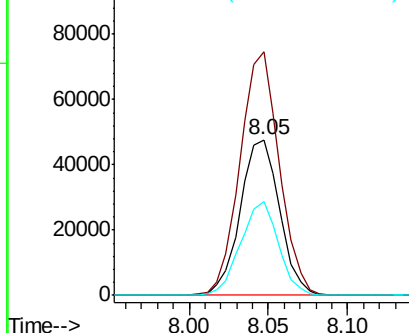


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

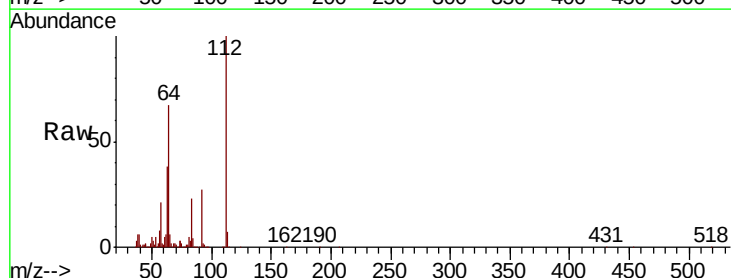
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 109.788 ng  
RT: 5.61 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BG044857.D  
Acq: 18 Mar 2020 9:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.3  | 53.4  | 80.2  |
| 63      | 38.2  | 29.4  | 44.2  |

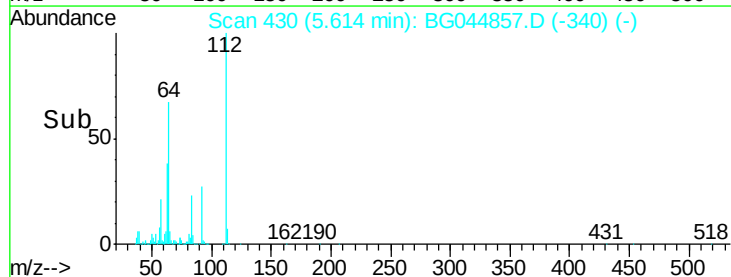
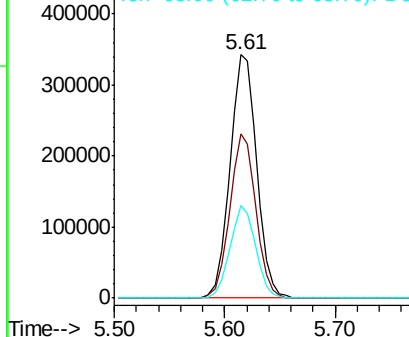


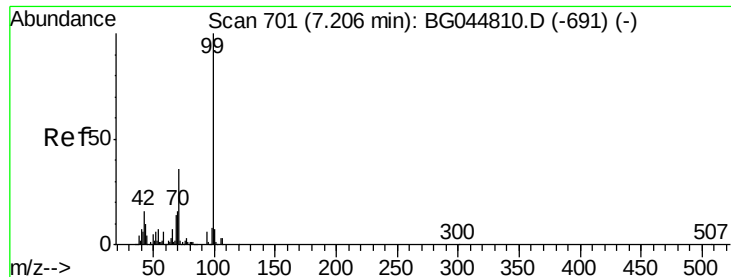
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.702 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA\_G

ClientSampleId :

PB127536BL

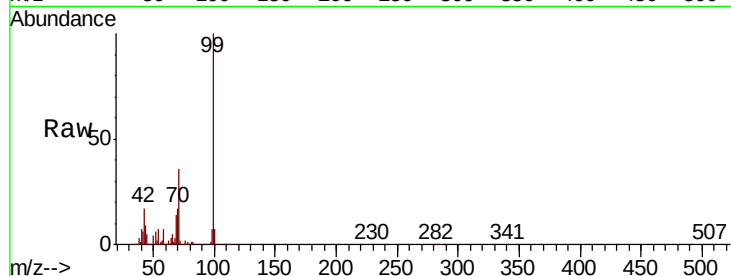
Tot Ion: 99 Resp: 818839

Ion Ratio Lower Upper

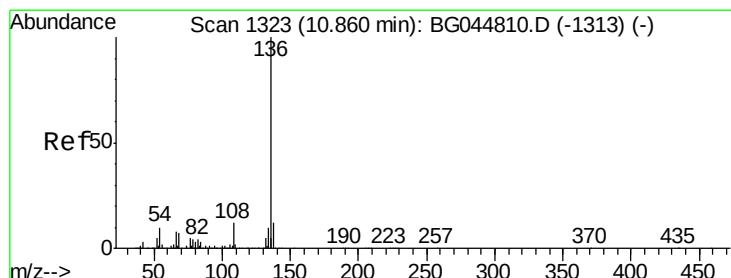
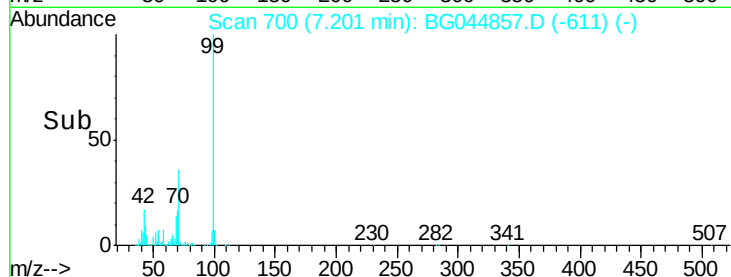
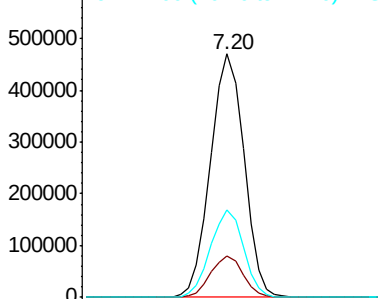
99 100

42 16.9 12.6 19.0

71 35.9 29.0 43.4



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Tgt Ion: 136 Resp: 324670

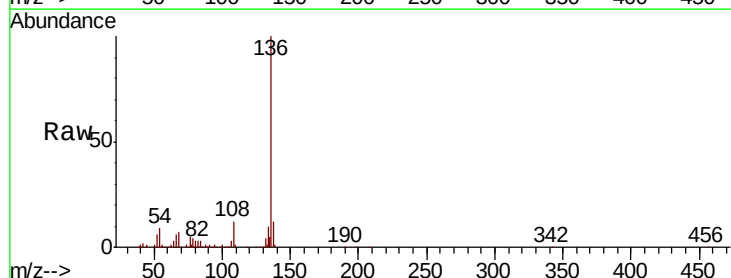
Ion Ratio Lower Upper

136 100

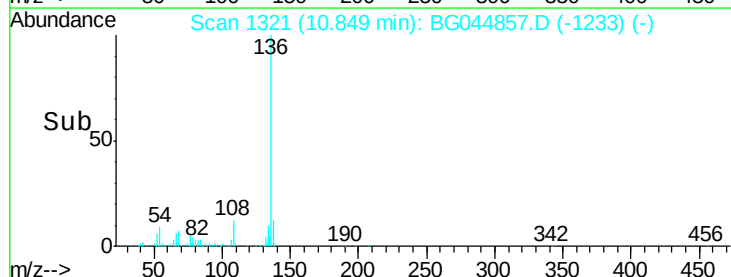
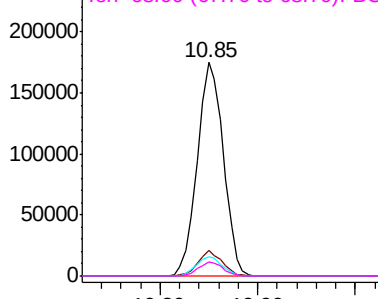
137 11.8 9.8 14.6

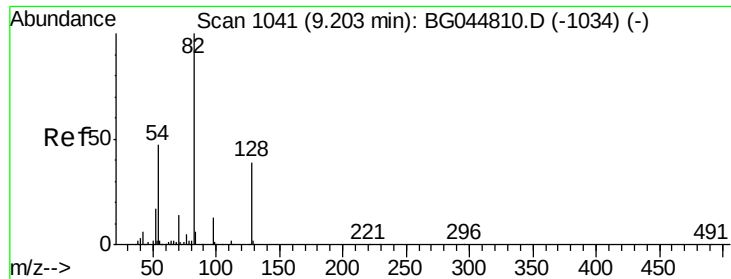
54 8.8 7.9 11.9

68 6.8 5.4 8.0



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

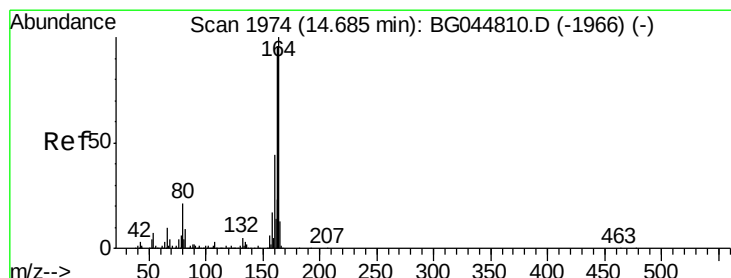
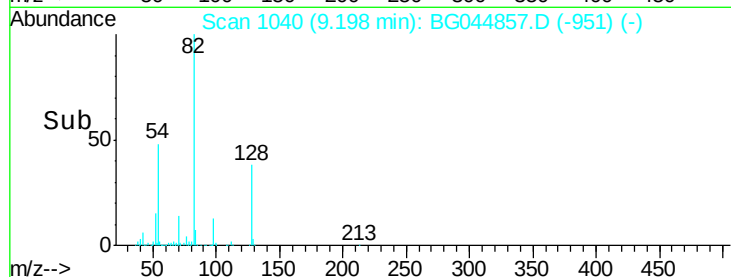
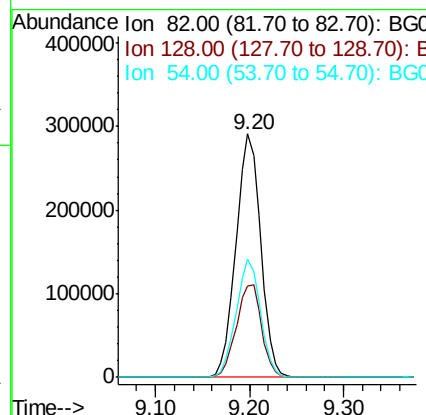
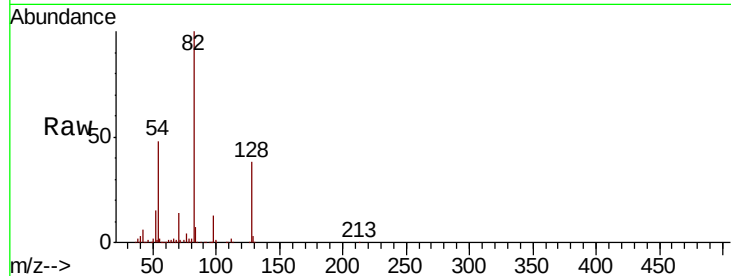




#23  
 Nitrobenzene-d5  
 Concen: 71.965 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.00 min  
 Lab File: BG044857.D  
 Acq: 18 Mar 2020 9:01

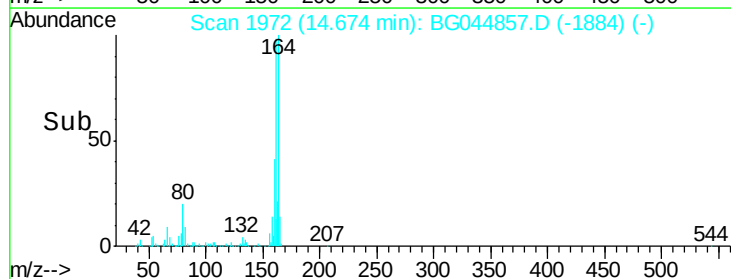
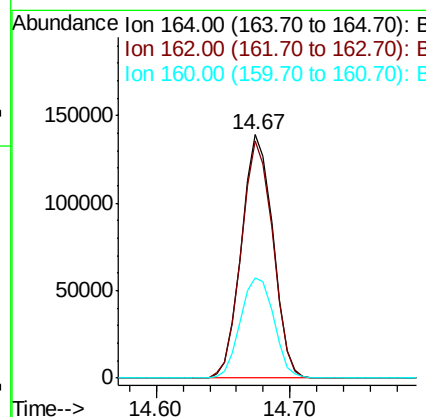
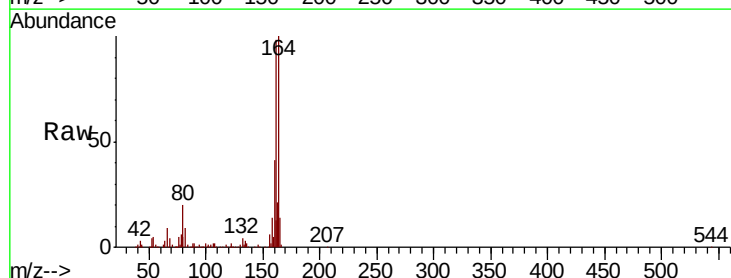
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127536BL

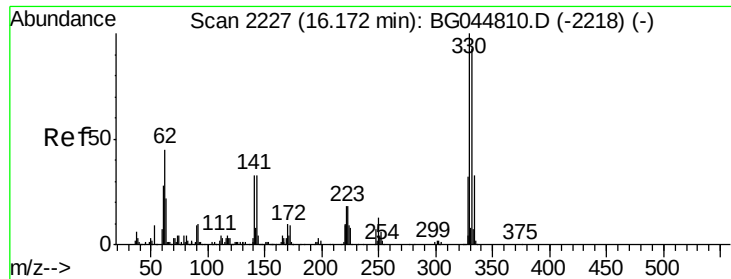
| Tot Ion   | 82    | Resp  | 532455 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.7  | 30.6  | 46.0   |
| 54        | 48.4  | 37.1  | 55.7   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. -0.01 min  
 Lab File: BG044857.D  
 Acq: 18 Mar 2020 9:01

| Tgt Ion   | 164   | Resp  | 227123 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.6  | 76.7  | 115.1  |
| 160       | 41.0  | 35.0  | 52.4   |

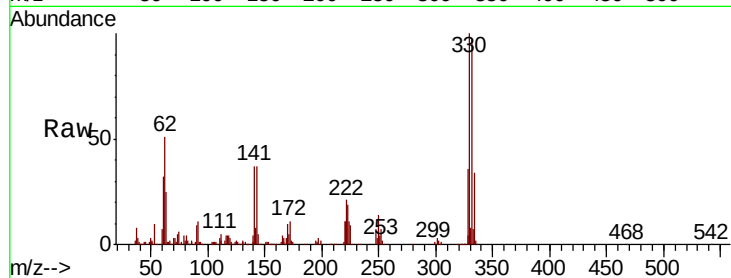




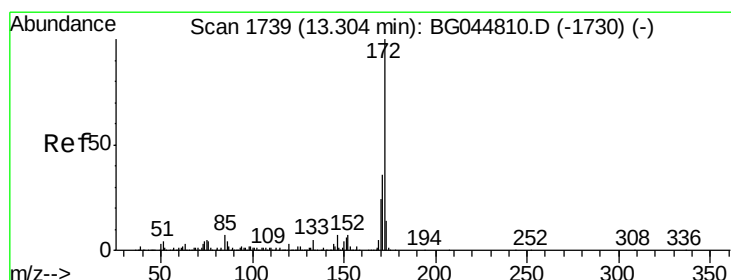
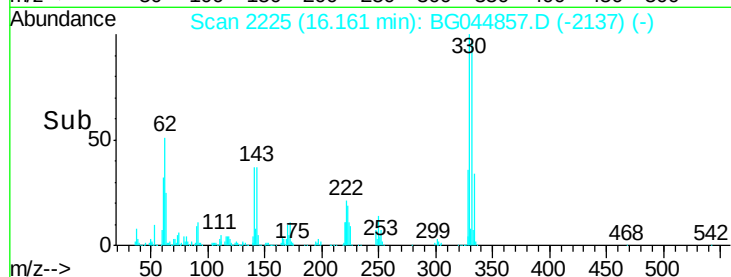
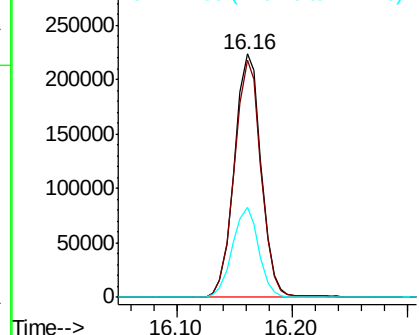
#42  
 2,4,6-Tribromophenol  
 Concen: 121.333 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. -0.01 min  
 Lab File: BG044857.D  
 Acq: 18 Mar 2020 9:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127536BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.8  | 116.6 |
| 141     | 36.1  | 29.5  | 44.3  |

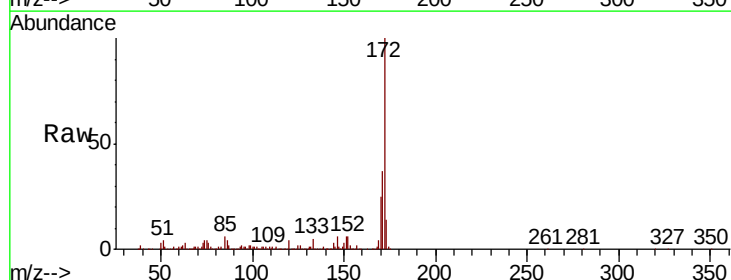


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

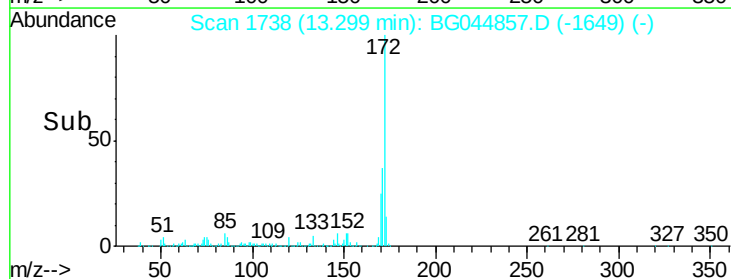
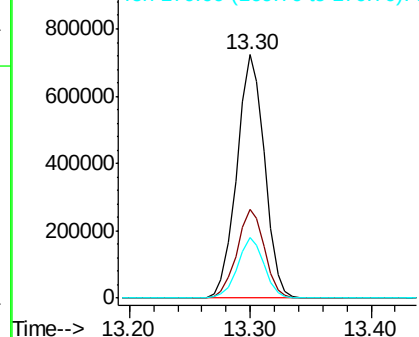


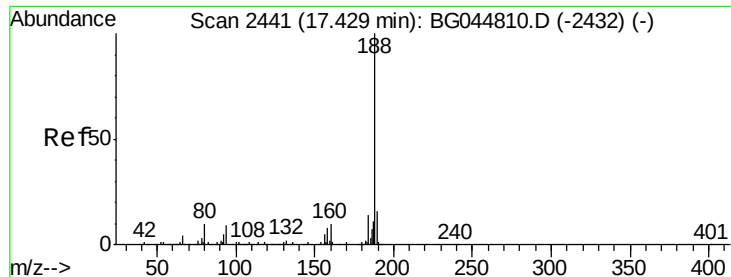
#45  
 2-Fluorobiphenyl  
 Concen: 72.988 ng  
 RT: 13.30 min Scan# 1738  
 Delta R.T. -0.00 min  
 Lab File: BG044857.D  
 Acq: 18 Mar 2020 9:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 28.7  | 43.1  |
| 170     | 24.7  | 19.0  | 28.6  |



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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA\_G

ClientSampleId :

PB127536BL

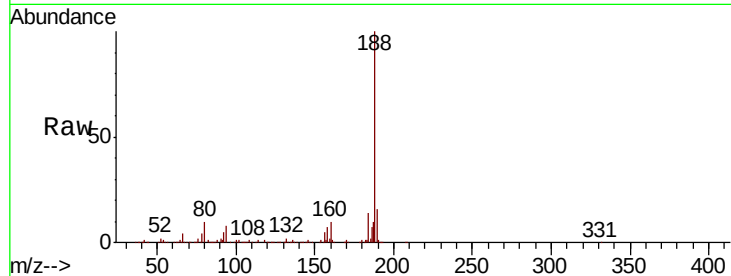
Tot Ion:188 Resp: 517943

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

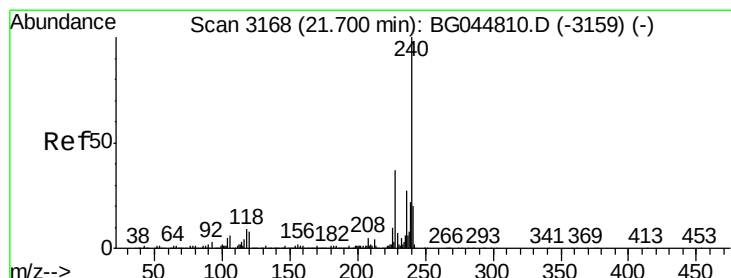
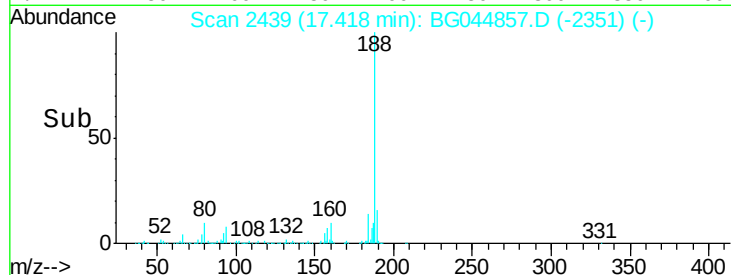
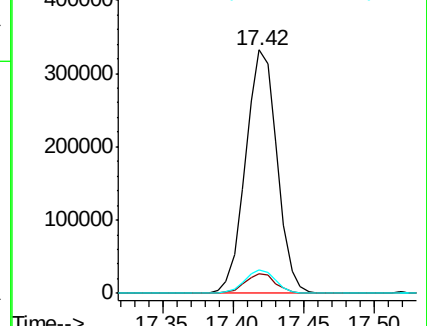
80 9.9 8.0 12.0



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: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

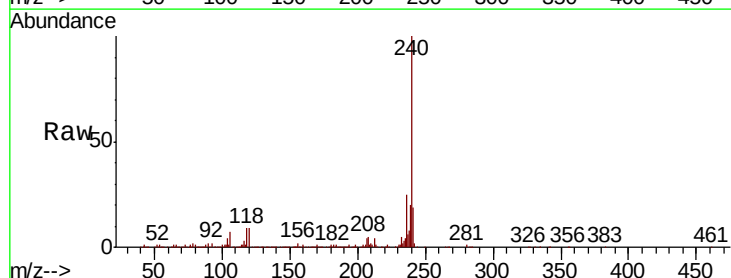
Tgt Ion:240 Resp: 474484

Ion Ratio Lower Upper

240 100

120 8.8 6.7 10.1

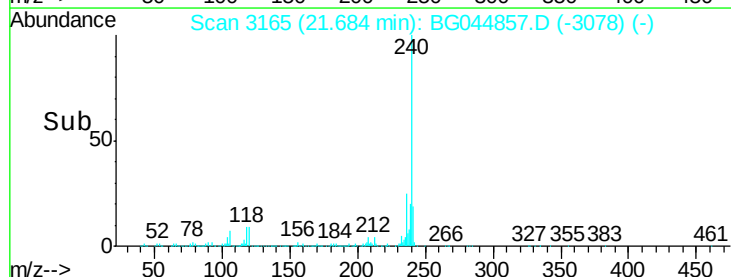
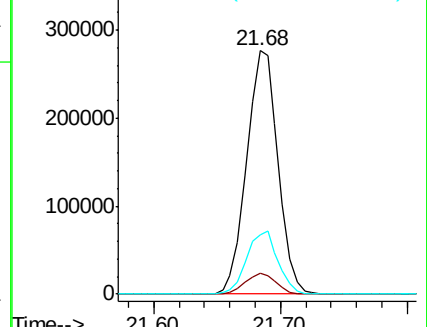
236 24.5 21.5 32.3

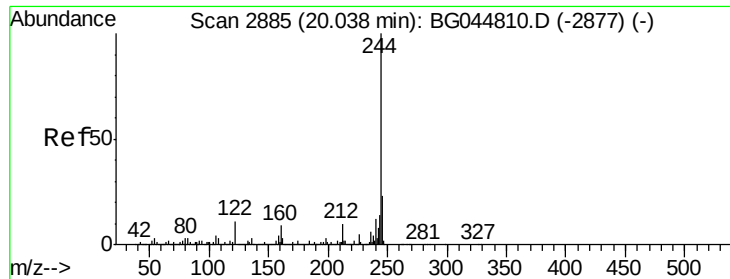


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.326 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

Instrument :

BNA\_G

ClientSampleId :

PB127536BL

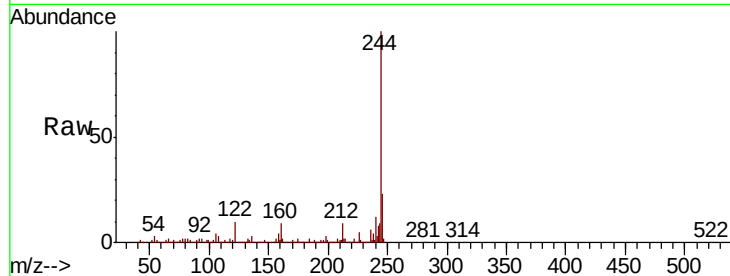
Tot Ion:244 Resp: 1910714

Ion Ratio Lower Upper

244 100

212 9.0 7.7 11.5

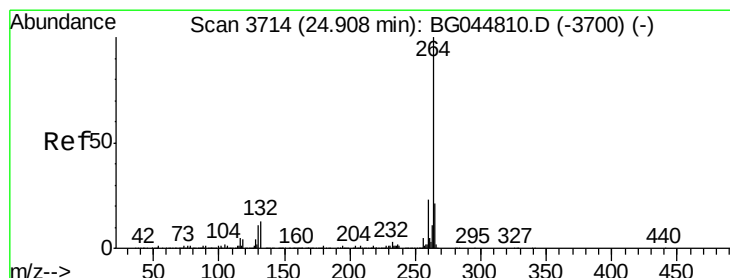
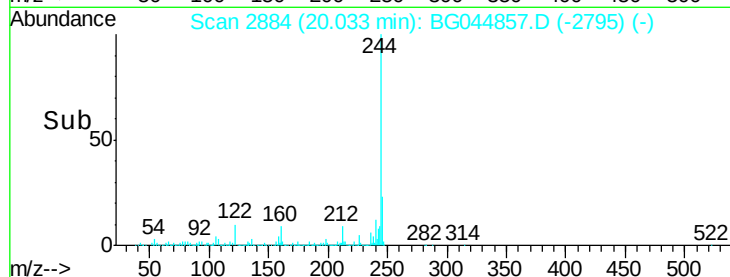
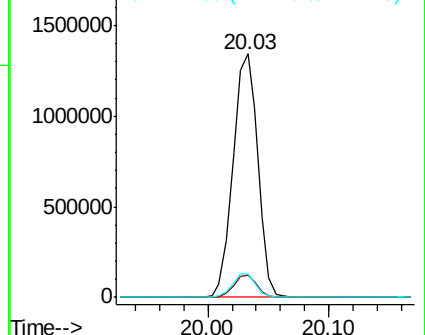
122 9.6 8.6 12.8



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: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044857.D

Acq: 18 Mar 2020 9:01

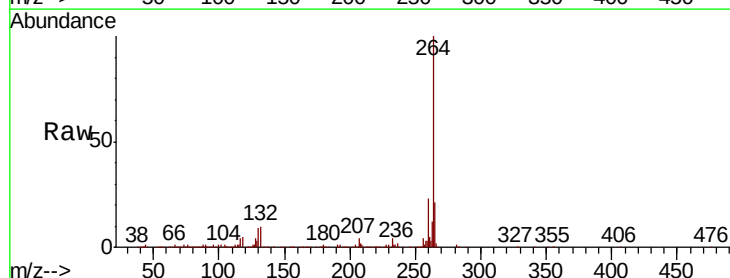
Tgt Ion:264 Resp: 518498

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 20.7 17.1 25.7



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

