

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\  
 Data File : BG045330.D  
 Acq On : 12 May 2020 15:47  
 Operator : CG/JU  
 Sample : PB128765BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128765BL

Quant Time: May 12 17:41:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 15:48:20 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 64950    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.78 | 136  | 264657   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.61 | 164  | 186559   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.36 | 188  | 437681   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.63 | 240  | 459901   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.79 | 264  | 473652   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 475369   | 120.83 | ng    | 0.00     |
| 7) Phenol-d6                | 7.14  | 99   | 683921   | 117.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 482820   | 83.24  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.11 | 330  | 351201   | 121.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.24 | 172  | 1097365  | 86.25  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.98 | 244  | 2026647  | 96.05  | ng    | 0.00     |

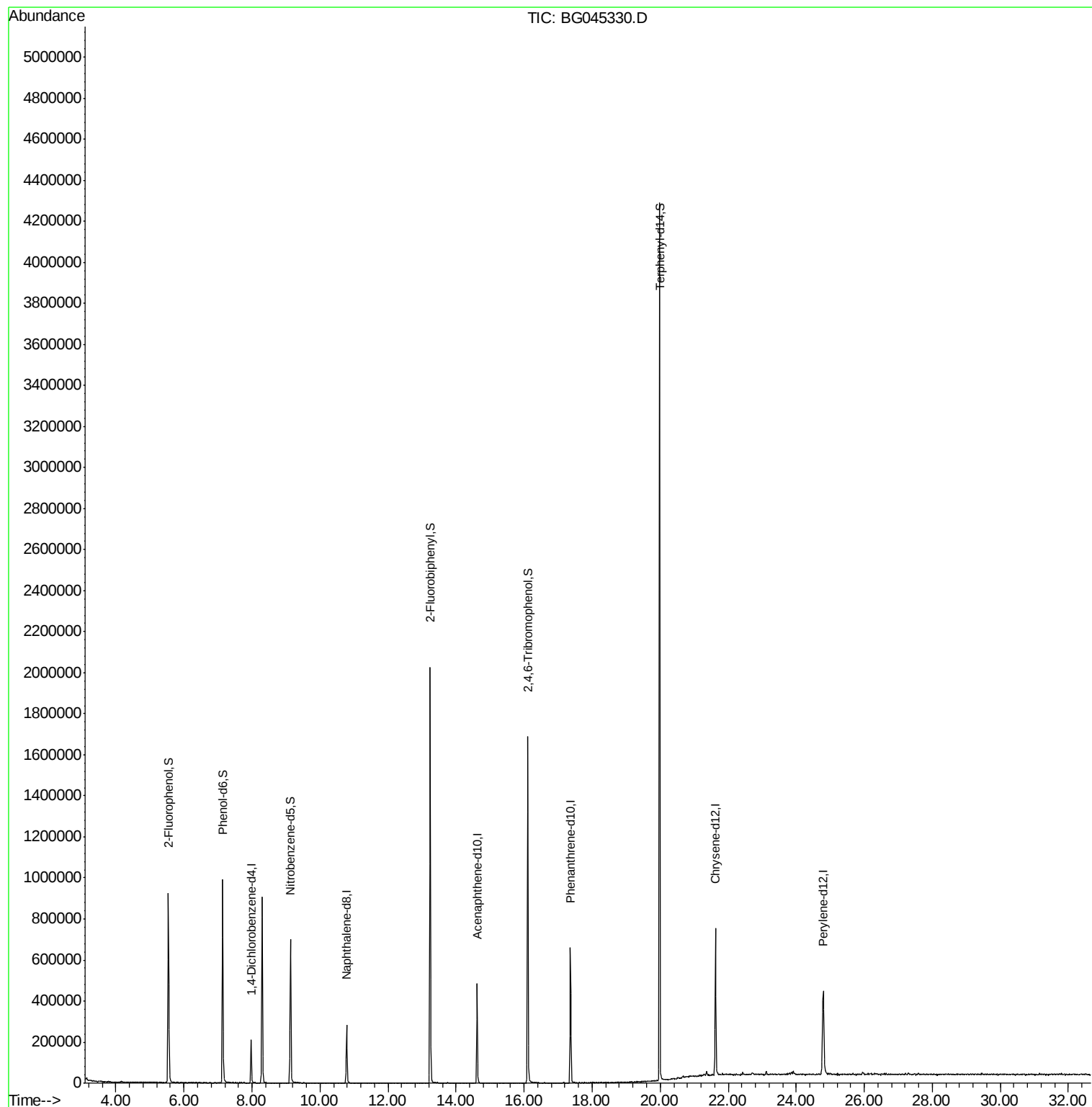
Target Compounds Qvalue

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

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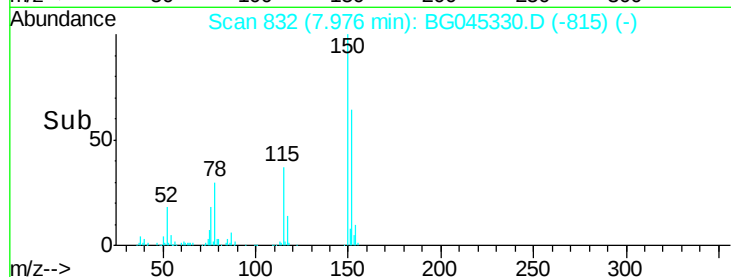
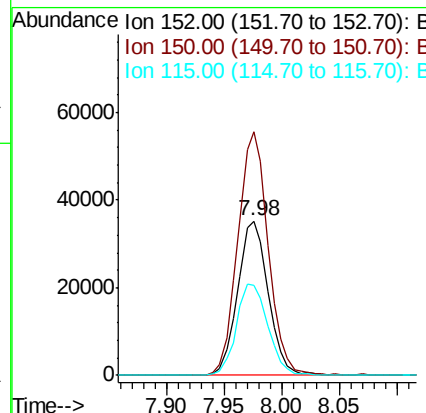
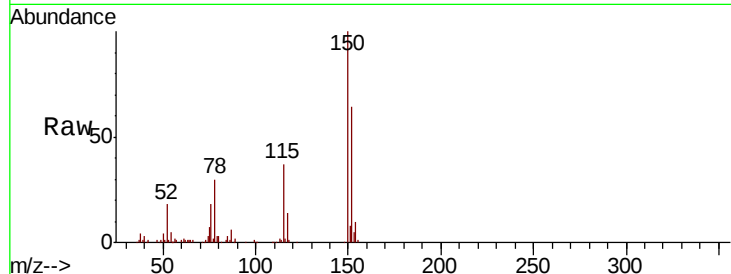


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.98 min Scan# 832  
 Delta R.T. -0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128765BL

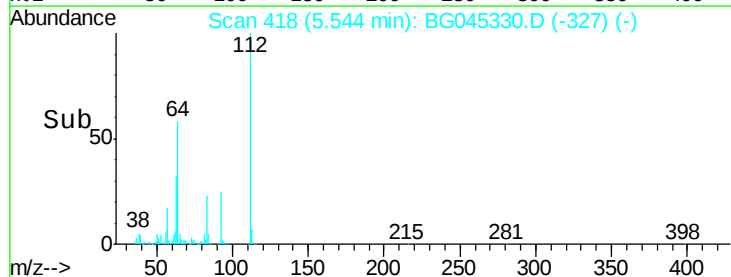
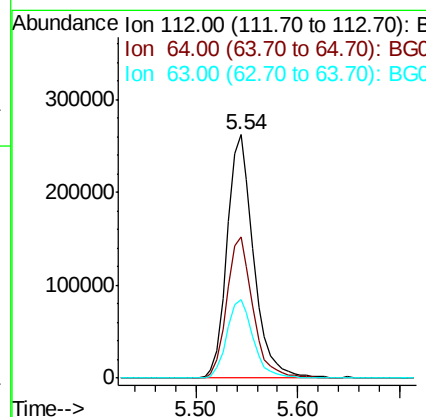
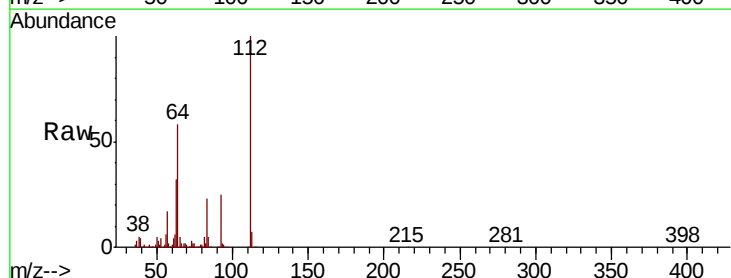
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.4 | 123.6 | 185.4 |
| 115     | 57.9  | 49.1  | 73.7  |

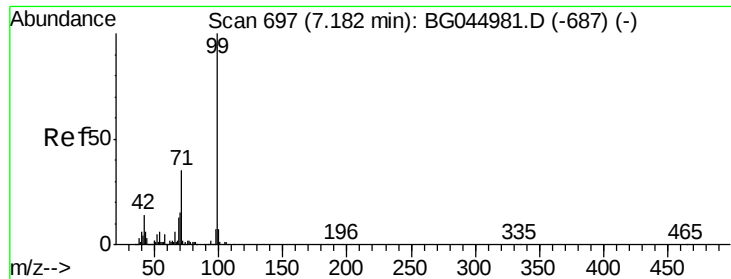


#5

2-Fluorophenol  
 Concen: 120.833 ng  
 RT: 5.54 min Scan# 418  
 Delta R.T. 0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.0  | 42.4  | 63.6  |
| 63      | 32.3  | 23.1  | 34.7  |





#7

Phenol-d6

Concen: 117.008 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA\_G

ClientSampleId :

PB128765BL

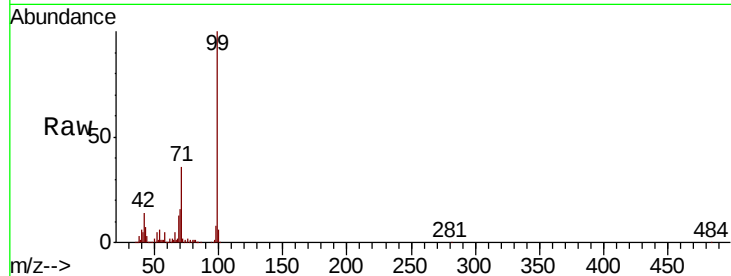
Tot Ion: 99 Resp: 683921

Ion Ratio Lower Upper

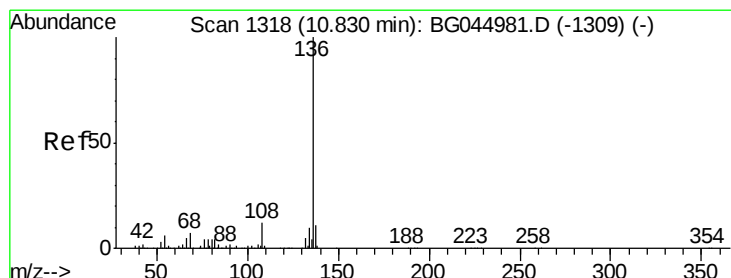
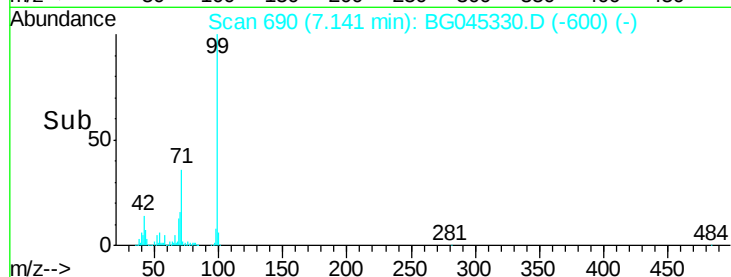
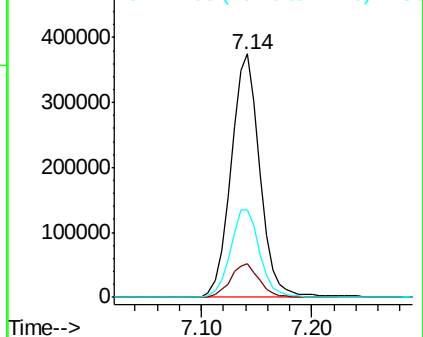
99 100

42 13.8 11.3 16.9

71 36.1 28.3 42.5



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: 10.78 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Tgt Ion: 136 Resp: 264657

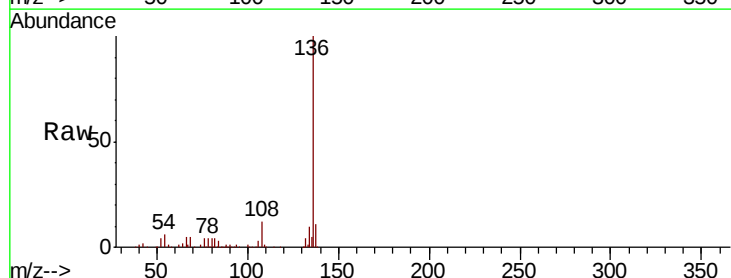
Ion Ratio Lower Upper

136 100

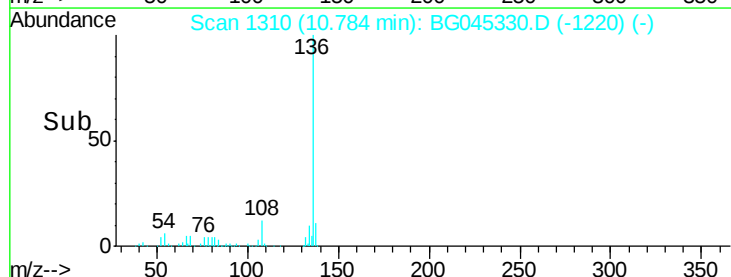
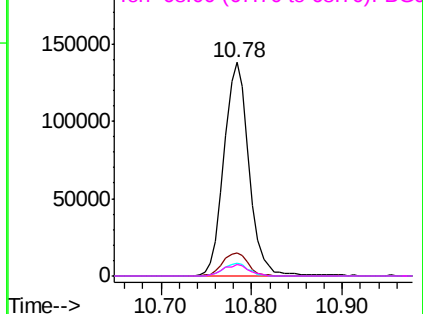
137 10.9 8.6 13.0

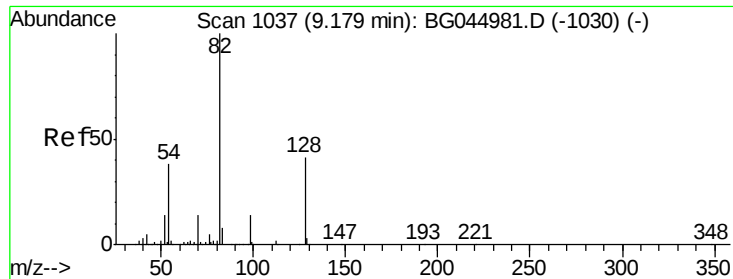
54 6.3 4.8 7.2

68 5.4 5.2 7.8



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

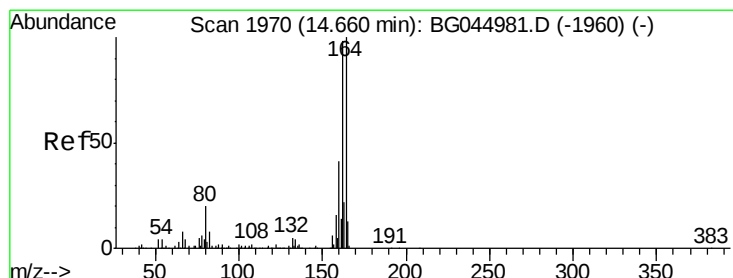
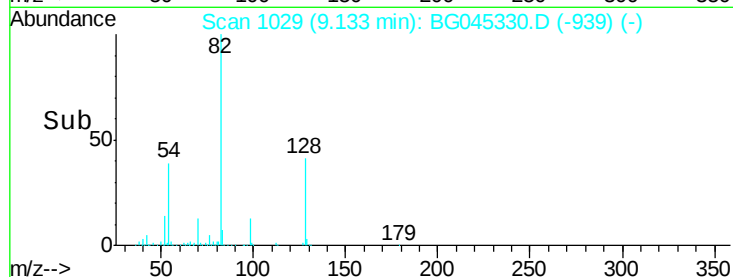
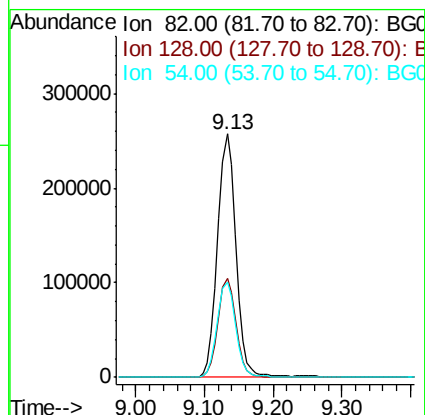
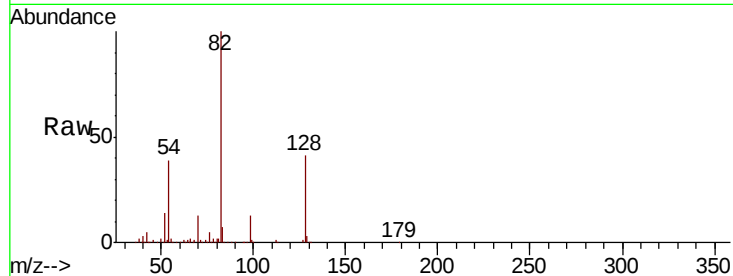




#23  
 Nitrobenzene-d5  
 Concen: 83.242 ng  
 RT: 9.13 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

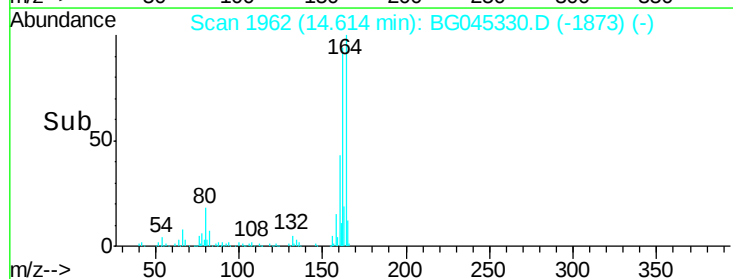
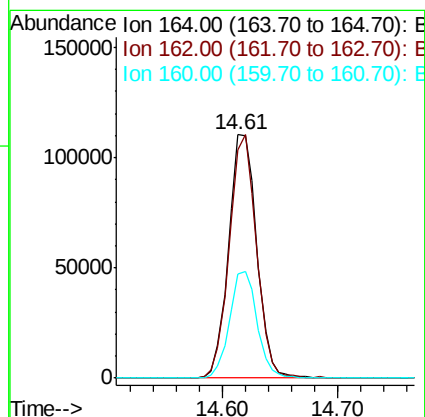
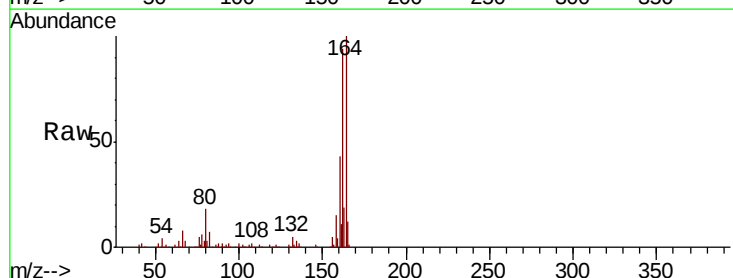
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128765BL

Tot Ion: 82 Resp: 482820  
 Ion Ratio Lower Upper  
 82 100  
 128 40.8 33.0 49.4  
 54 39.1 30.4 45.6



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.61 min Scan# 1962  
 Delta R.T. -0.01 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

Tgt Ion: 164 Resp: 186559  
 Ion Ratio Lower Upper  
 164 100  
 162 93.8 78.7 118.1  
 160 42.8 32.8 49.2

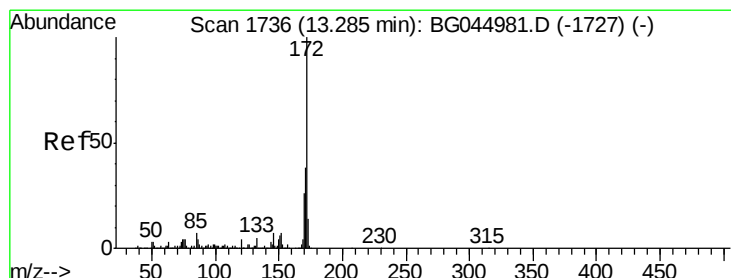
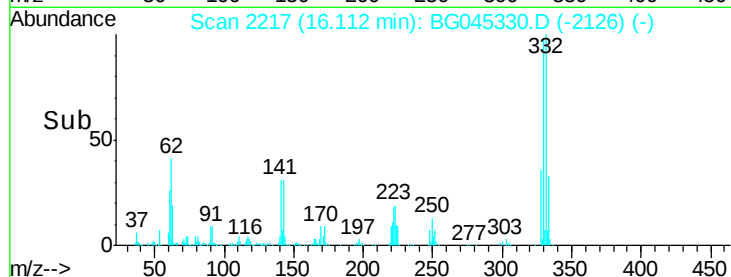
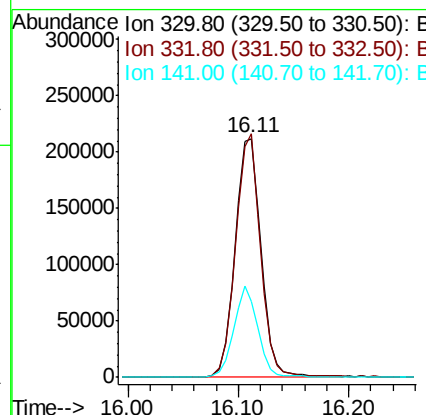
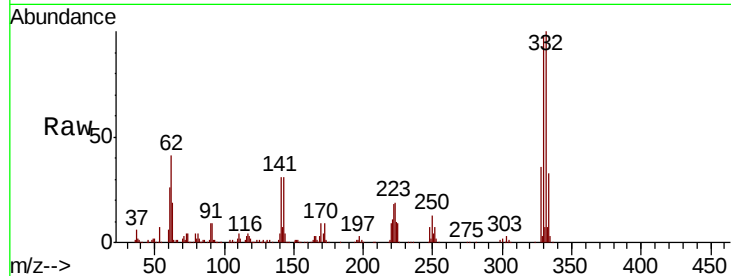




#42  
 2,4,6-Tribromophenol  
 Concen: 121.856 ng  
 RT: 16.11 min Scan# 2217  
 Delta R.T. 0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

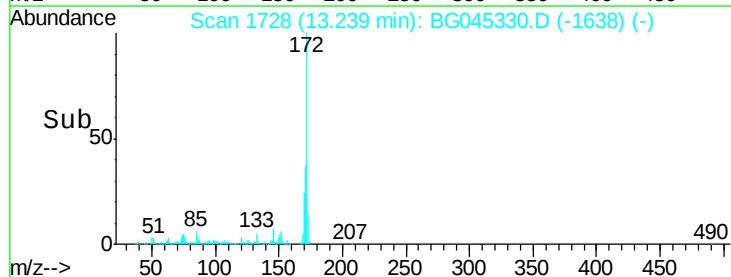
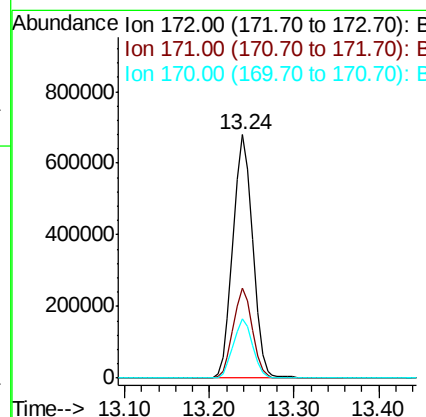
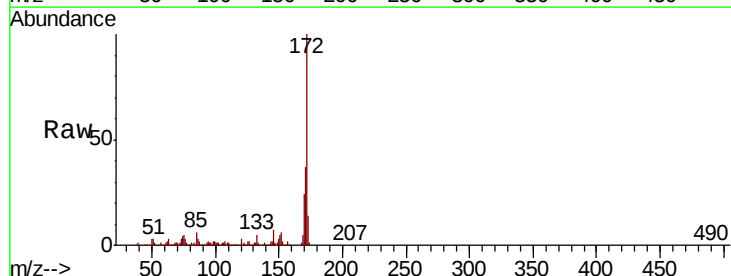
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128765BL

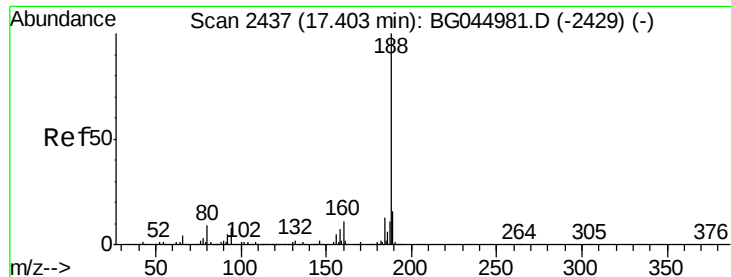
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 79.1  | 118.7 |
| 141     | 35.1  | 27.1  | 40.7  |



#45  
 2-Fluorobiphenyl  
 Concen: 86.251 ng  
 RT: 13.24 min Scan# 1728  
 Delta R.T. -0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 30.6  | 46.0  |
| 170     | 24.1  | 20.5  | 30.7  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

Instrument :

BNA\_G

ClientSampleId :

PB128765BL

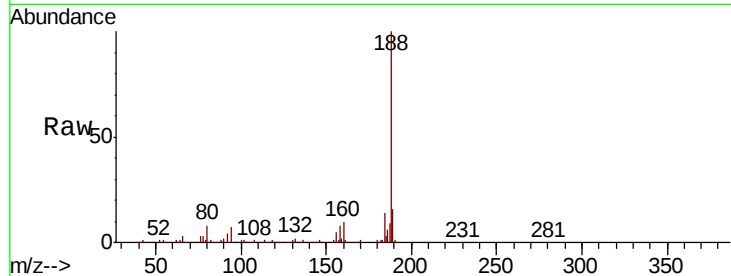
Tot Ion:188 Resp: 437681

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

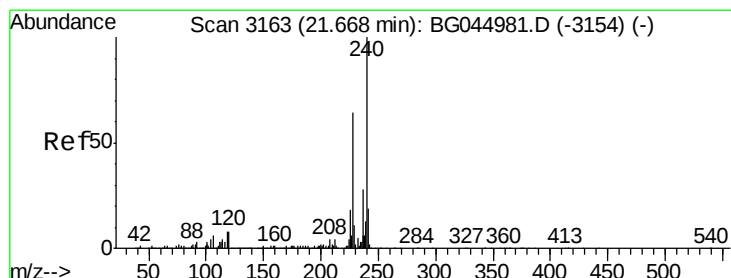
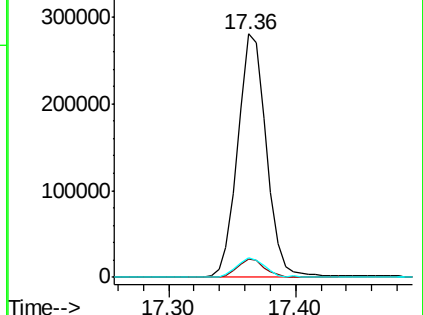
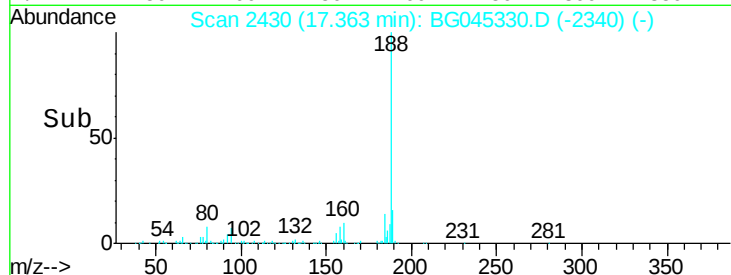
80 8.0 7.0 10.6



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: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG045330.D

Acq: 12 May 2020 15:47

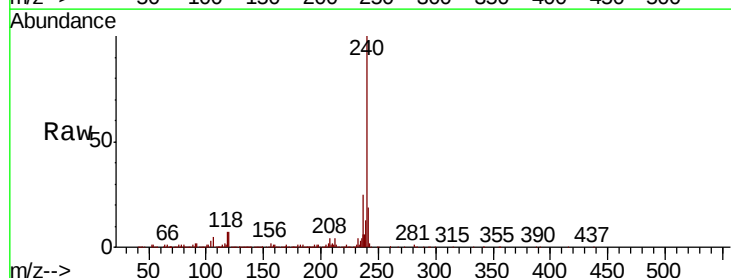
Tgt Ion:240 Resp: 459901

Ion Ratio Lower Upper

240 100

120 6.6 6.6 10.0#

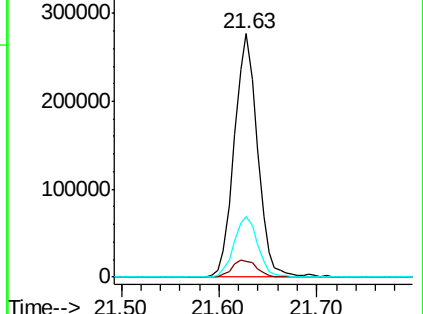
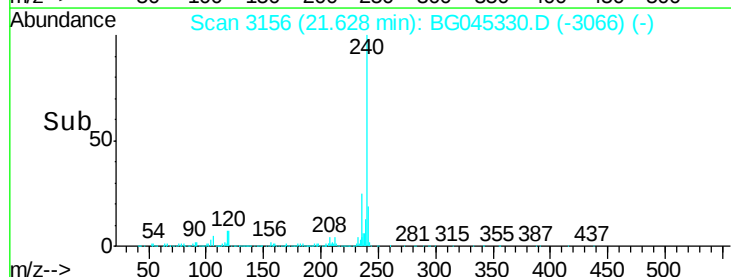
236 24.8 22.2 33.2

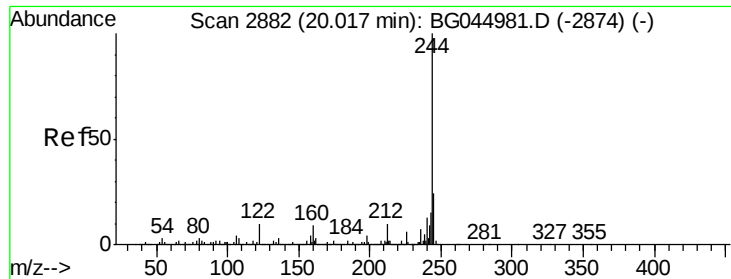


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



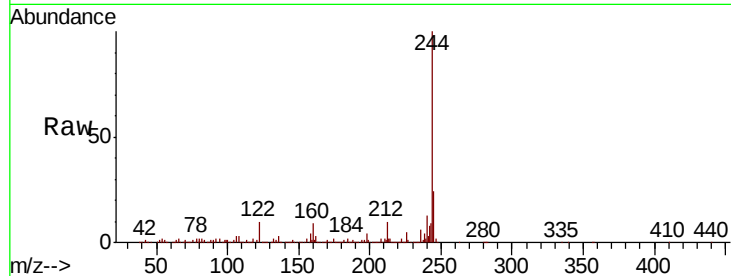


#79  
 Terphenyl-d14  
 Concen: 96.047 ng  
 RT: 19.98 min Scan# 2876  
 Delta R.T. 0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

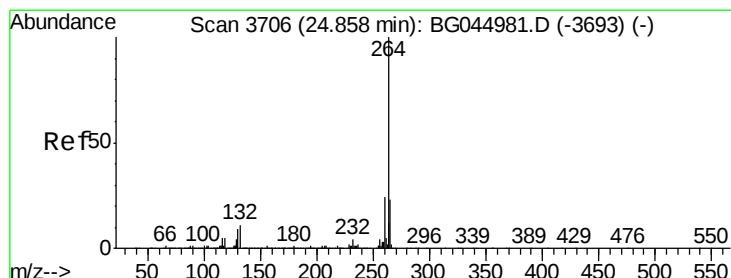
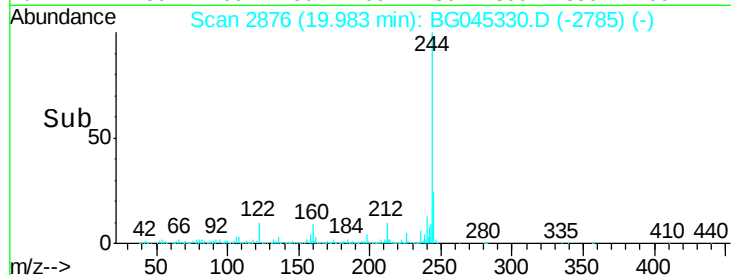
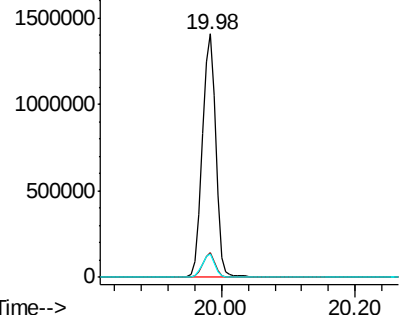
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128765BL

Tot Ion:244 Resp: 2026647  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.9   | 7.9   | 11.9  |
| 122 | 9.6   | 7.7   | 11.5  |



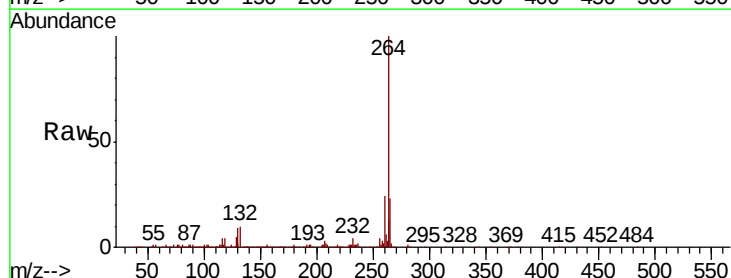
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.79 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: BG045330.D  
 Acq: 12 May 2020 15:47

Tgt Ion:264 Resp: 473652  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.2  | 28.8  |
| 265 | 22.5  | 19.0  | 28.4  |



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

