

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\  
 Data File : BG045158.D  
 Acq On : 24 Apr 2020 13:02  
 Operator : CG/JU  
 Sample : PB128463BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128463BL

Quant Time: Apr 24 13:38:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 24 13:00:16 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 62023    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.81 | 136  | 243846   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.64 | 164  | 173616   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.38 | 188  | 416418   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.65 | 240  | 454718   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.82 | 264  | 459485   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 534615   | 142.31 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 723976   | 129.71 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 507166   | 94.90  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 362204   | 135.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 1153059  | 97.38  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 2117487  | 101.50 | ng    | 0.00     |

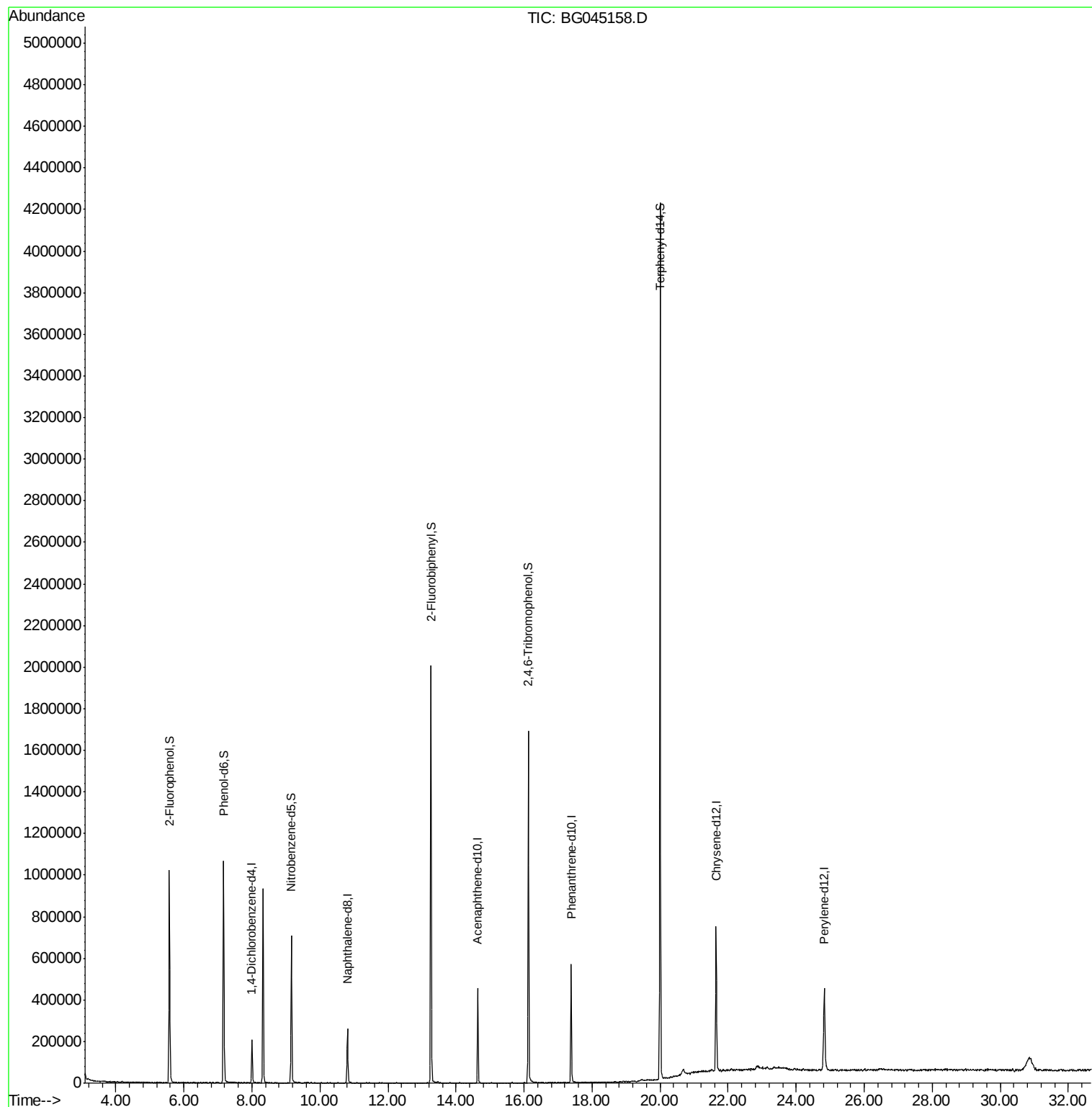
Target Compounds Qvalue

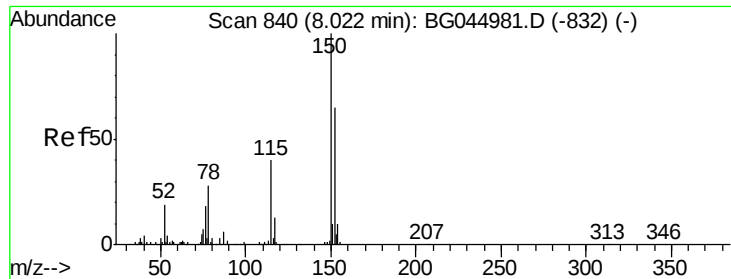
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 24 13:00:16 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA\_G

ClientSampleId :

PB128463BL

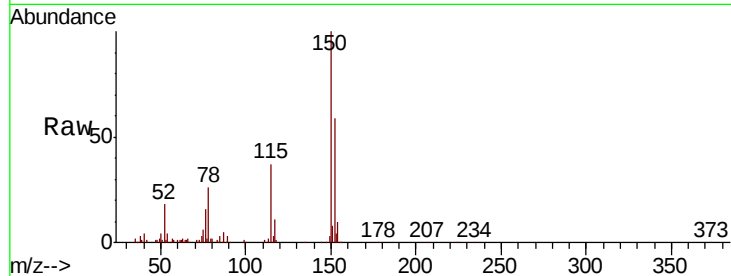
Tot Ion:152 Resp: 62023

Ion Ratio Lower Upper

152 100

150 170.4 123.6 185.4

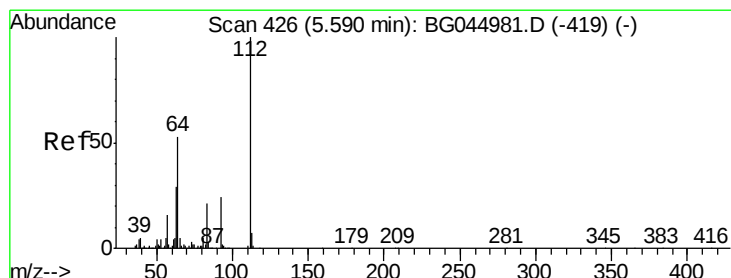
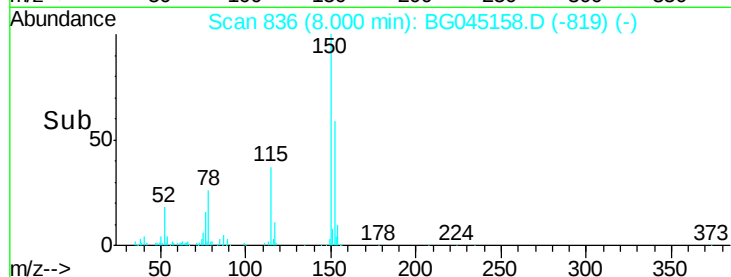
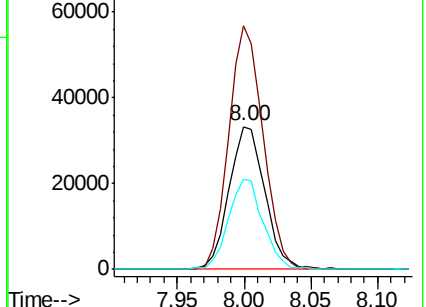
115 62.7 49.1 73.7



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: 142.305 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

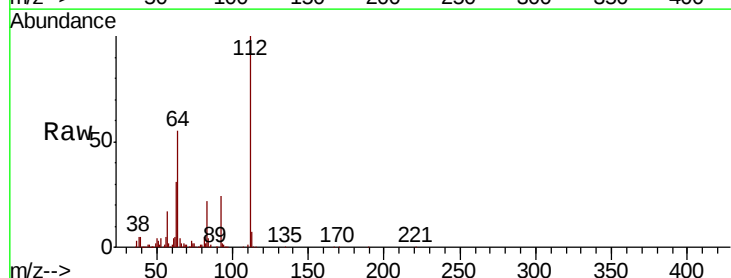
Tgt Ion:112 Resp: 534615

Ion Ratio Lower Upper

112 100

64 54.5 42.4 63.6

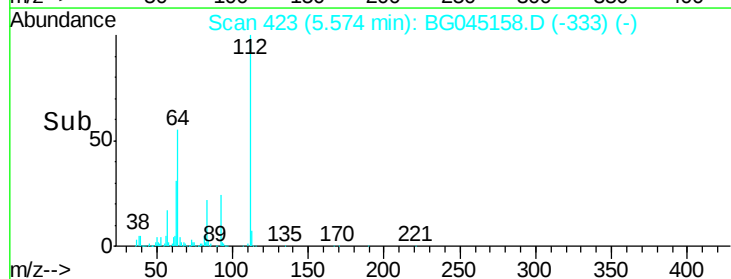
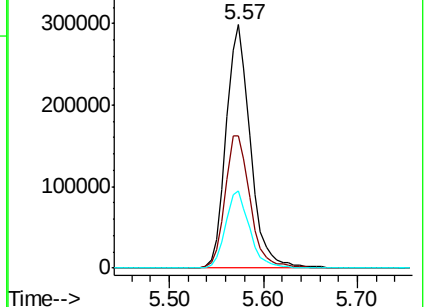
63 31.5 23.1 34.7

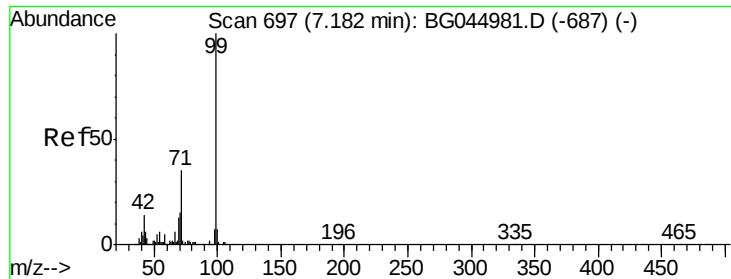


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.706 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA\_G

ClientSampleId :

PB128463BL

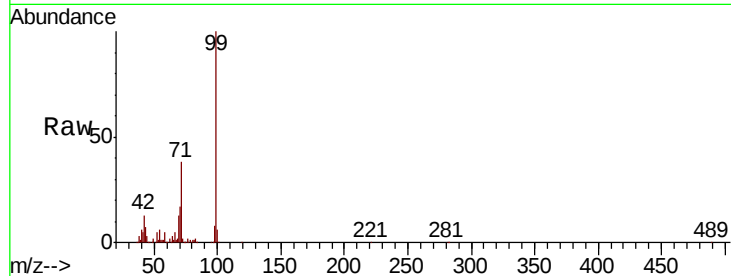
Tot Ion: 99 Resp: 723976

Ion Ratio Lower Upper

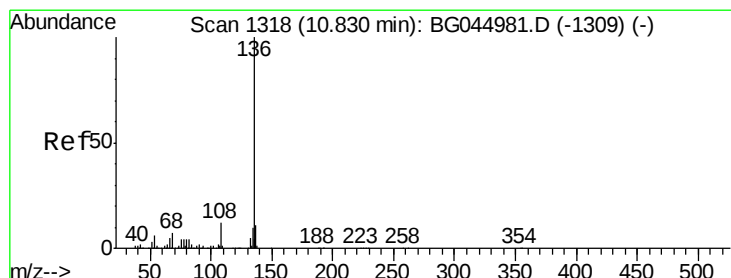
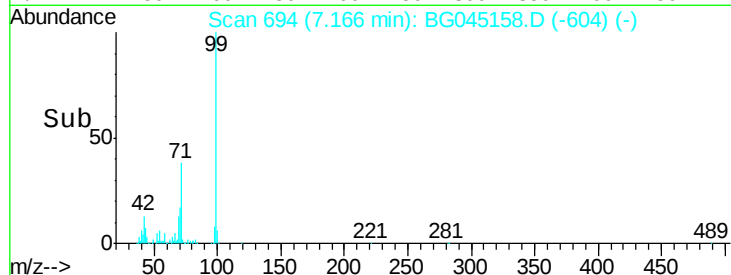
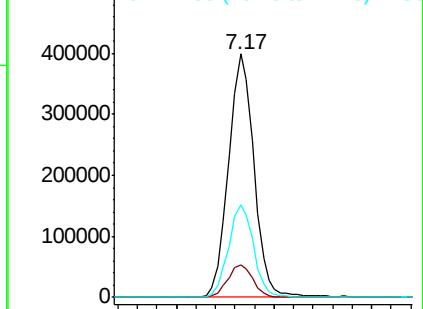
99 100

42 13.3 11.3 16.9

71 38.0 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: 10.81 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Tgt Ion: 136 Resp: 243846

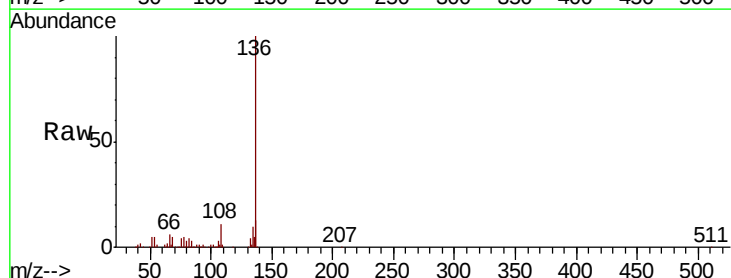
Ion Ratio Lower Upper

136 100

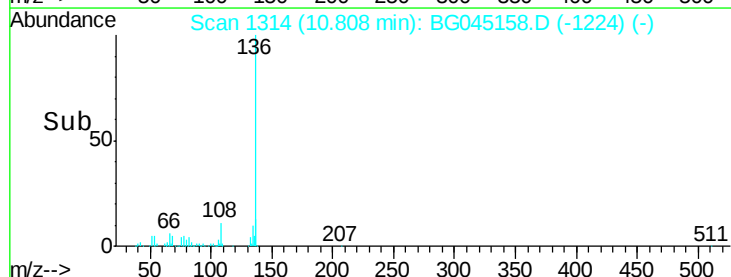
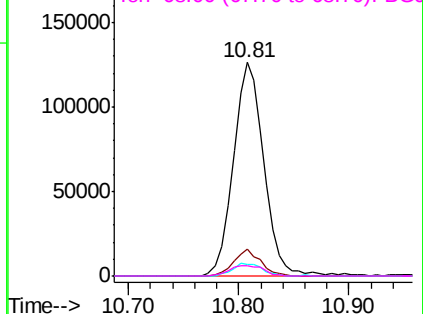
137 12.7 8.6 13.0

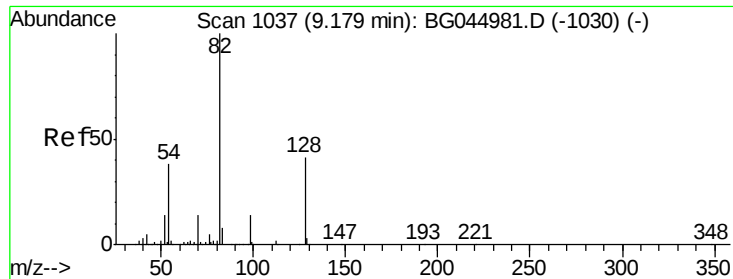
54 5.4 4.8 7.2

68 4.9 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

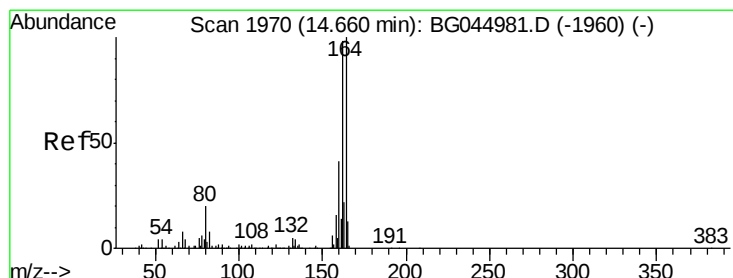
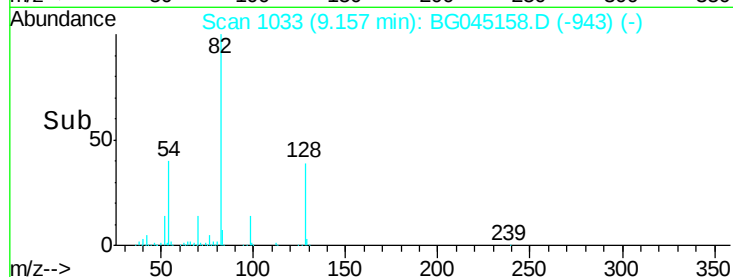
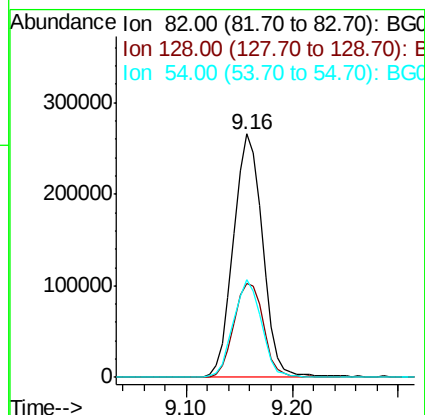
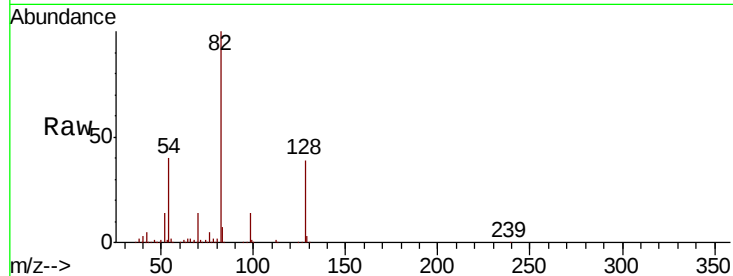




#23  
 Nitrobenzene-d5  
 Concen: 94.902 ng  
 RT: 9.16 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: BG045158.D  
 Acq: 24 Apr 2020 13:02

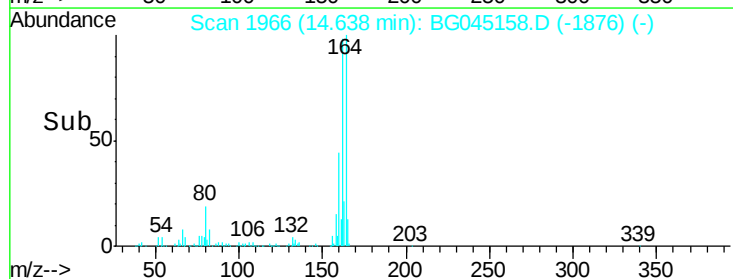
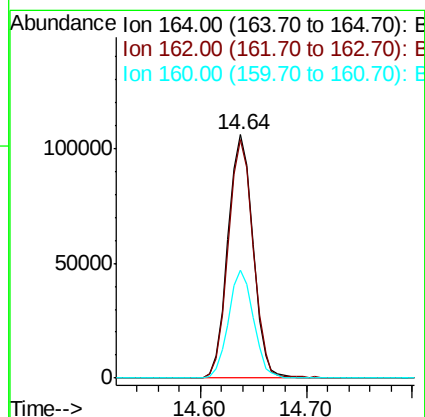
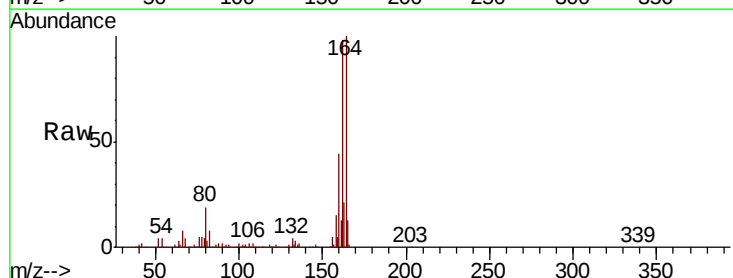
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128463BL

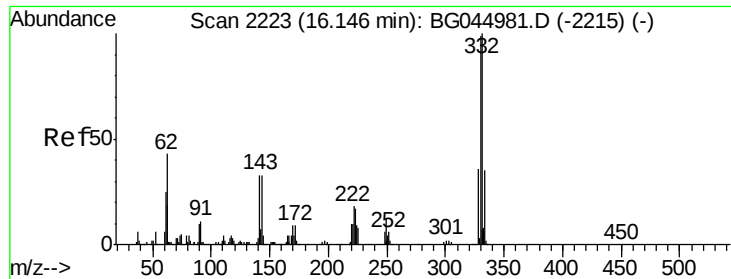
| Tot Ion   | 82.00 | Resp  | 507166 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.6  | 33.0  | 49.4   |
| 54        | 40.1  | 30.4  | 45.6   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1966  
 Delta R.T. -0.00 min  
 Lab File: BG045158.D  
 Acq: 24 Apr 2020 13:02

| Tgt Ion   | 164   | Resp  | 173616 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.8  | 78.7  | 118.1  |
| 160       | 44.4  | 32.8  | 49.2   |

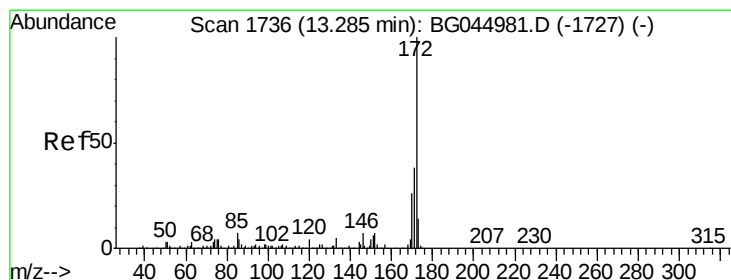
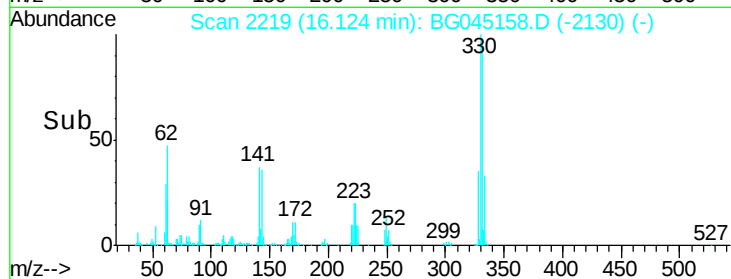
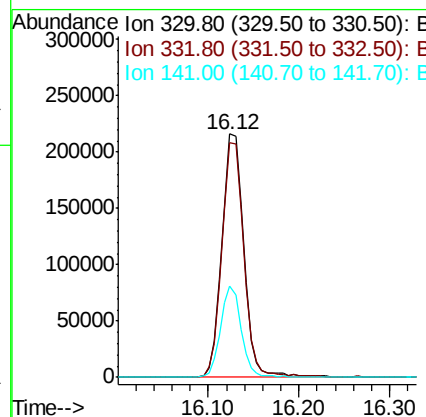
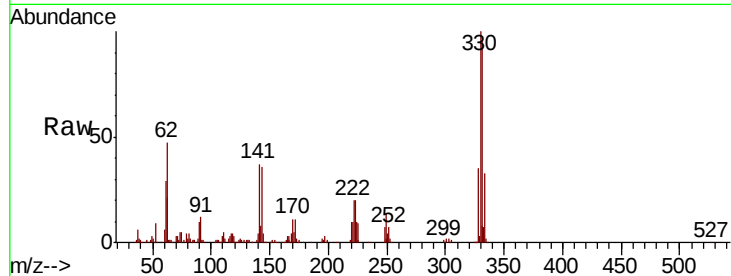




#42  
 2,4,6-Tribromophenol  
 Concen: 135.043 ng  
 RT: 16.12 min Scan# 2219  
 Delta R.T. -0.01 min  
 Lab File: BG045158.D  
 Acq: 24 Apr 2020 13:02

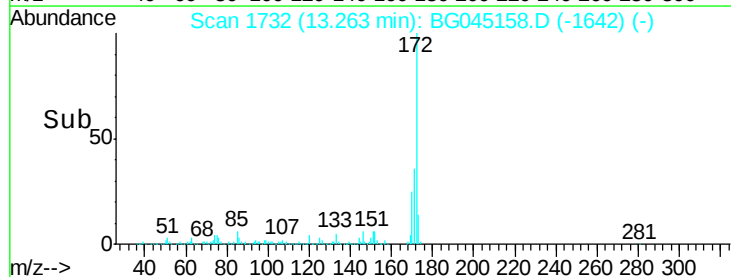
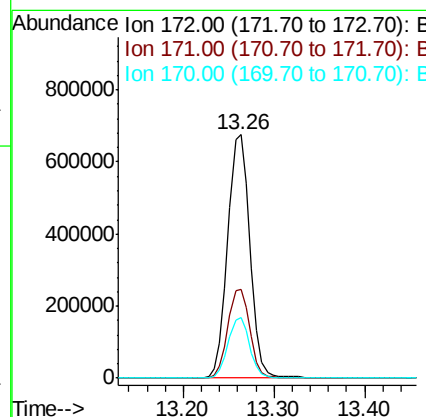
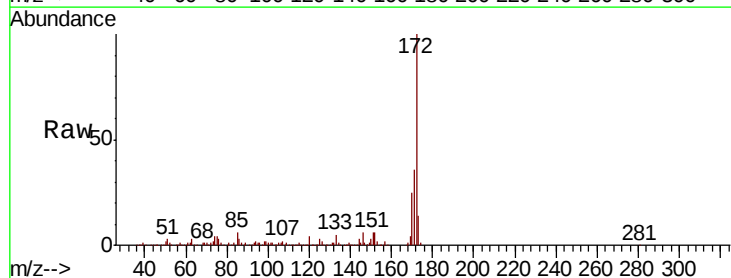
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128463BL

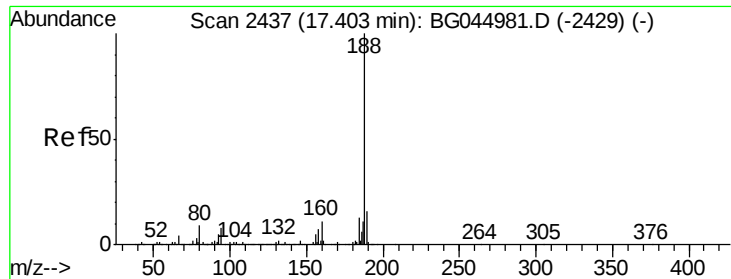
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 79.1  | 118.7 |
| 141     | 35.3  | 27.1  | 40.7  |



#45  
 2-Fluorobiphenyl  
 Concen: 97.385 ng  
 RT: 13.26 min Scan# 1732  
 Delta R.T. -0.00 min  
 Lab File: BG045158.D  
 Acq: 24 Apr 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 30.6  | 46.0  |
| 170     | 24.7  | 20.5  | 30.7  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA\_G

ClientSampleId :

PB128463BL

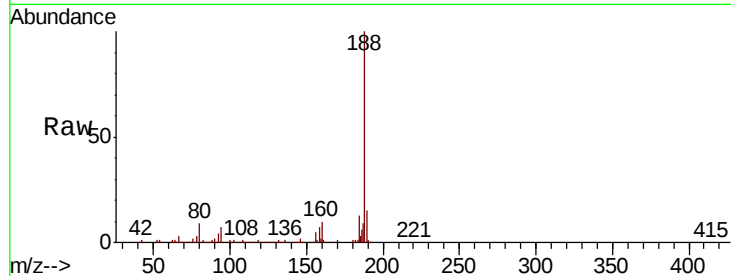
Tot Ion:188 Resp: 416418

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

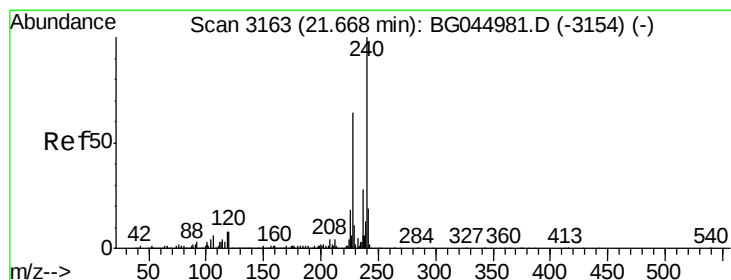
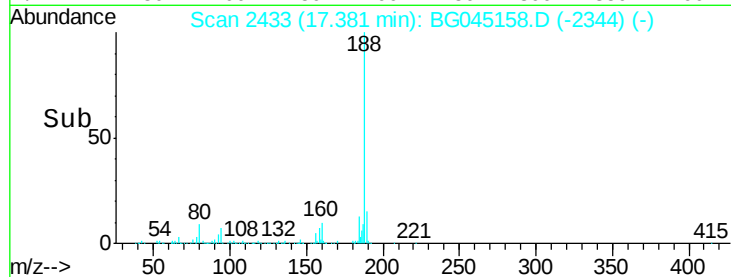
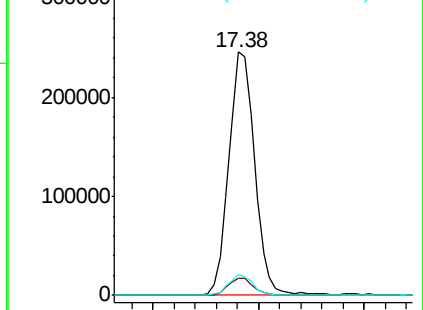
80 8.6 7.0 10.6



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: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

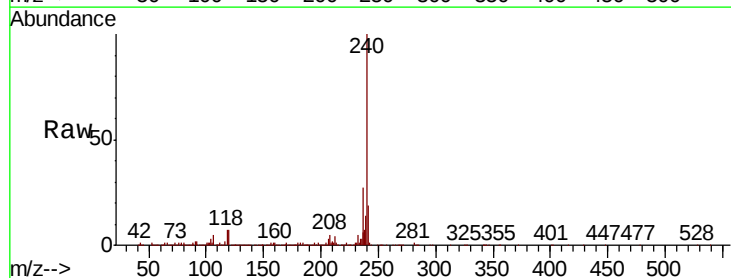
Tgt Ion:240 Resp: 454718

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

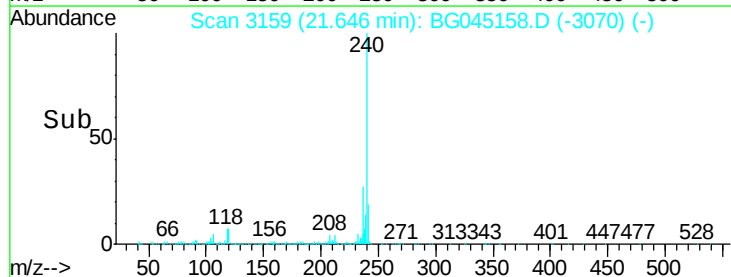
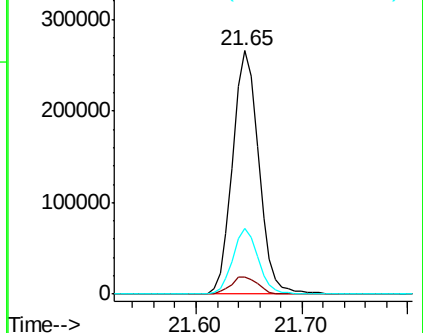
236 27.1 22.2 33.2

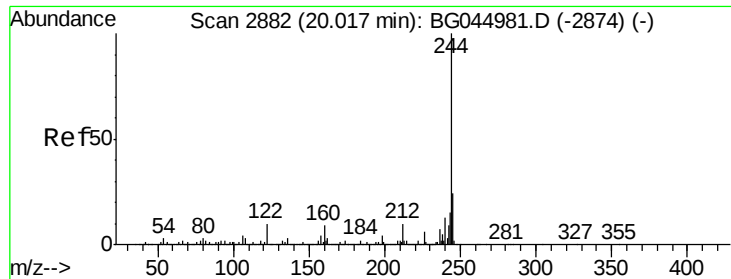


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 101.496 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA\_G

ClientSampleId :

PB128463BL

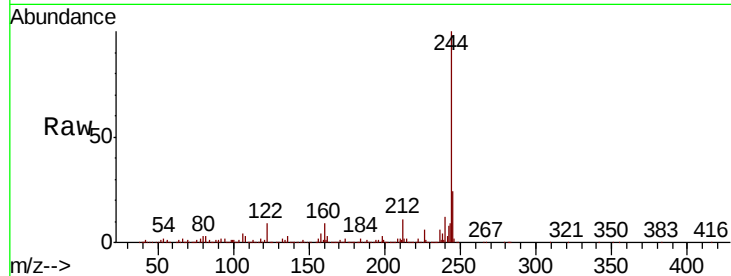
Tot Ion:244 Resp: 2117487

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

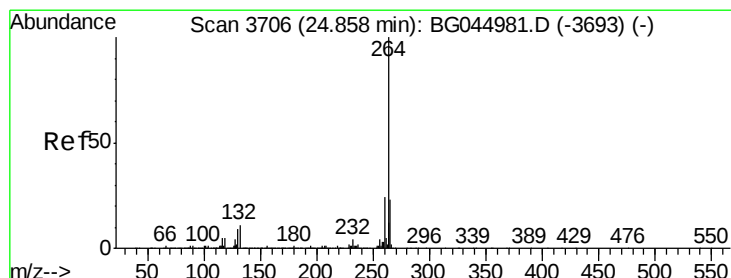
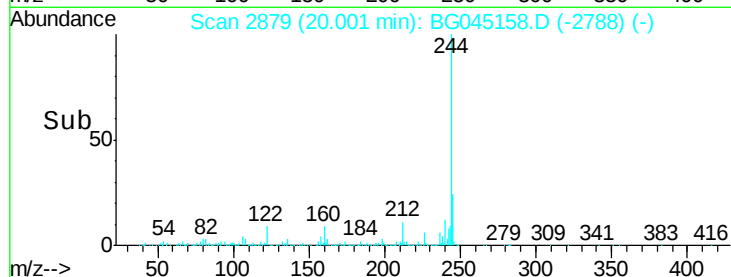
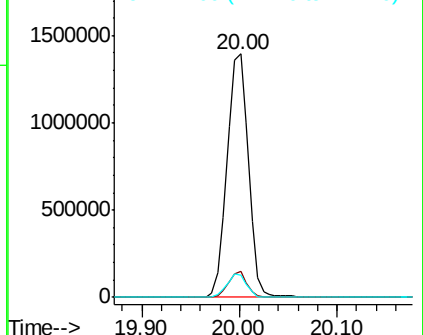
122 8.9 7.7 11.5



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: 24.82 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

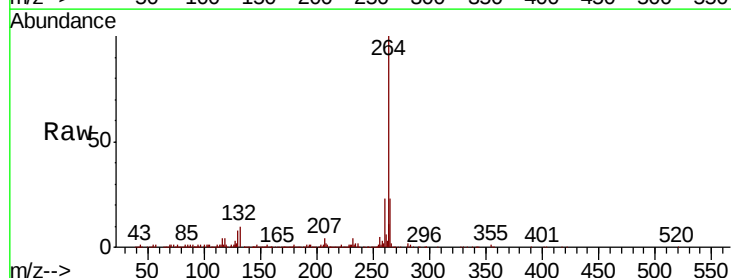
Tgt Ion:264 Resp: 459485

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 23.0 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

