

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\  
 Data File : BG045510.D  
 Acq On : 29 May 2020 3:05  
 Operator : CG/JU  
 Sample : PB129114BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129114BL

Quant Time: May 29 06:40:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 13:15:42 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 84005    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.77 | 136  | 357401   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.60 | 164  | 253850   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.35 | 188  | 550711   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.60 | 240  | 516137   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.75 | 264  | 541649   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 603549   | 140.41 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 902377   | 147.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.12  | 82   | 641793   | 97.92  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.09 | 330  | 461741   | 142.23 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.22 | 172  | 1499201  | 100.18 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.97 | 244  | 2236807  | 101.08 | ng    | 0.00     |

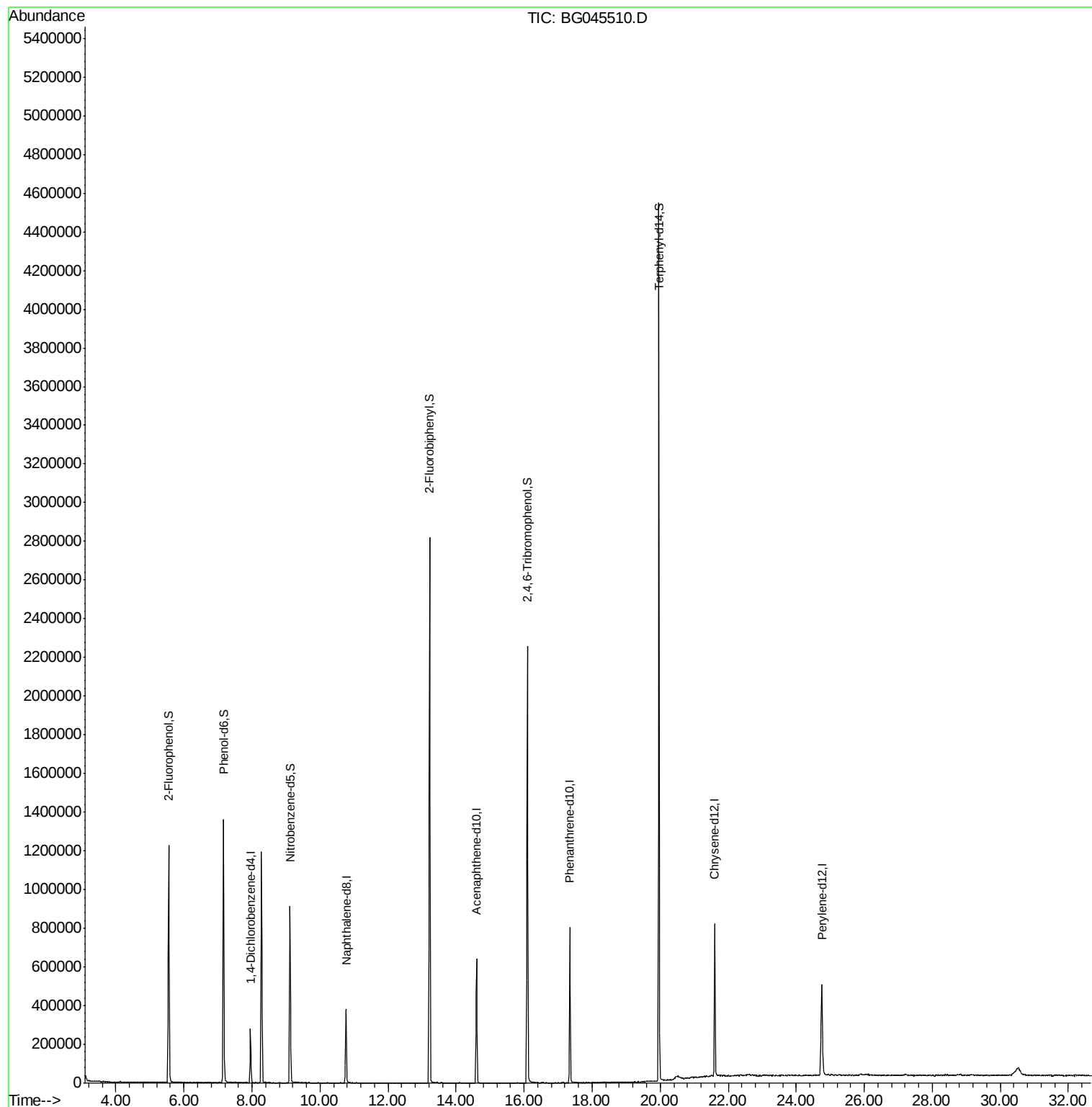
Target Compounds Qvalue

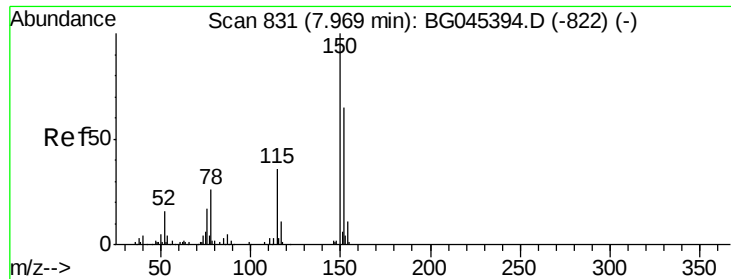
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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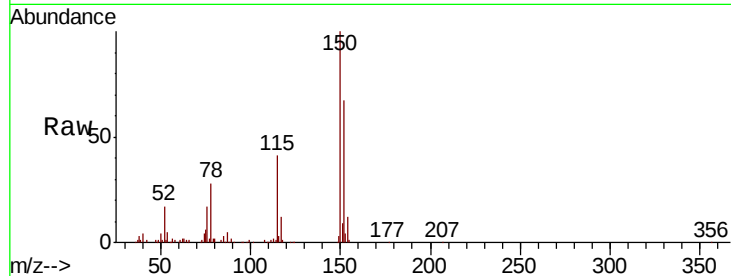


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.96 min Scan# 829  
Delta R.T. -0.00 min  
Lab File: BG045510.D  
Acq: 29 May 2020 3:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB129114BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.0 | 122.4 | 183.6 |
| 115     | 61.1  | 44.2  | 66.4  |

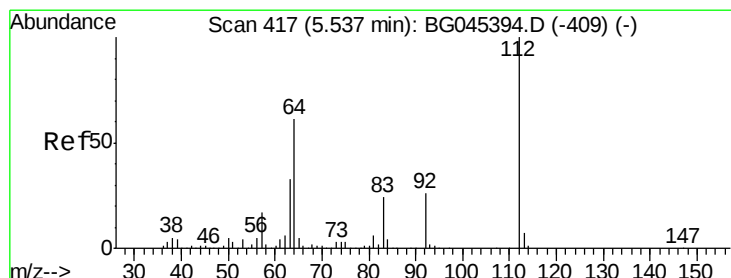
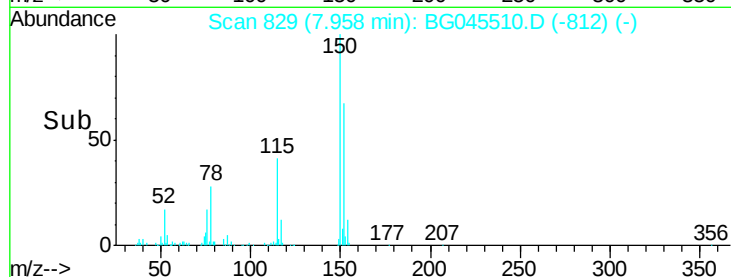
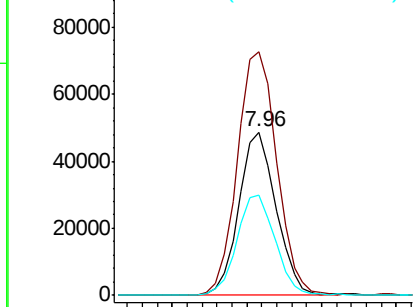


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

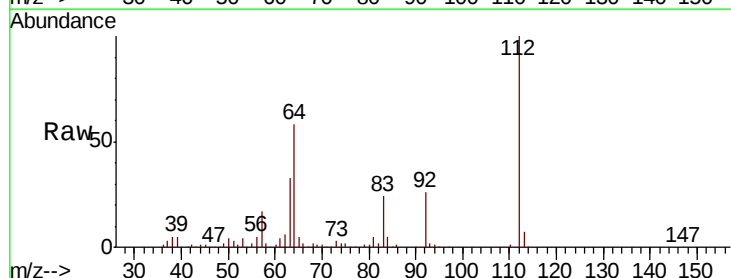
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 140.410 ng  
RT: 5.55 min Scan# 419  
Delta R.T. -0.00 min  
Lab File: BG045510.D  
Acq: 29 May 2020 3:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.9  | 48.6  | 72.8  |
| 63      | 33.2  | 26.5  | 39.7  |

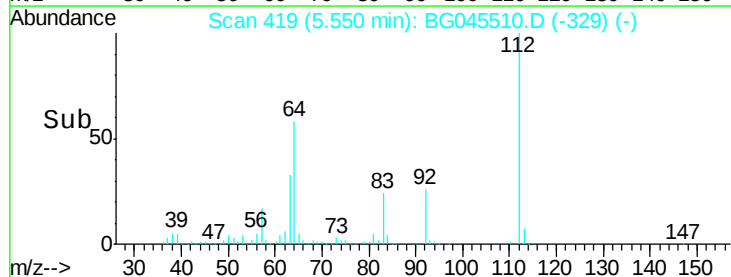
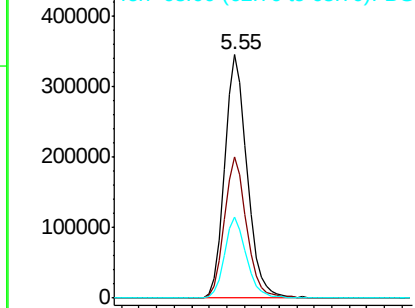


Abundance

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: 147.495 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

Instrument :

BNA\_G

ClientSampleId :

PB129114BL

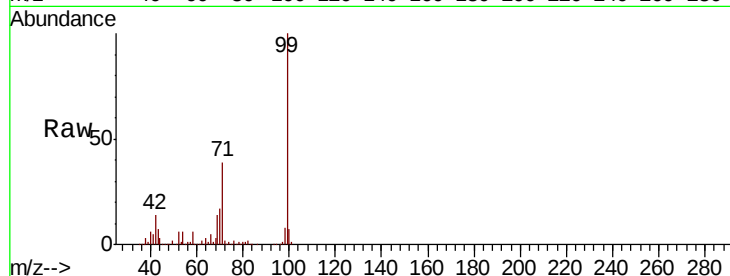
Tot Ion: 99 Resp: 902377

Ion Ratio Lower Upper

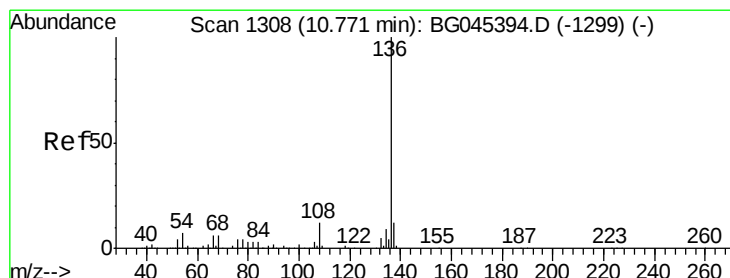
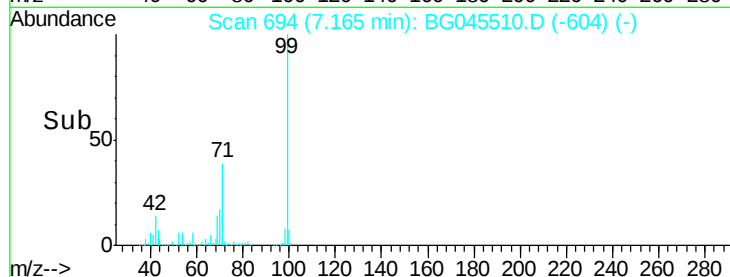
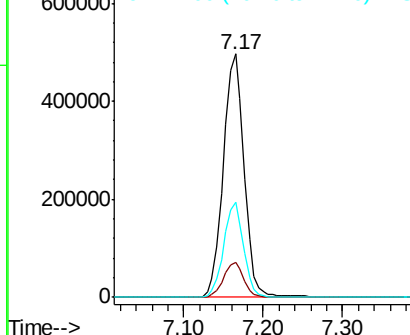
99 100

42 14.2 11.3 16.9

71 38.9 30.8 46.2



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: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

Tgt Ion: 136 Resp: 357401

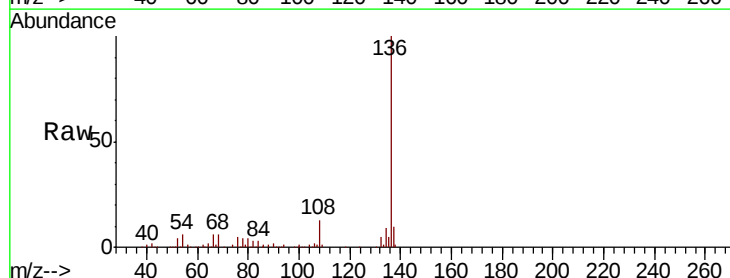
Ion Ratio Lower Upper

136 100

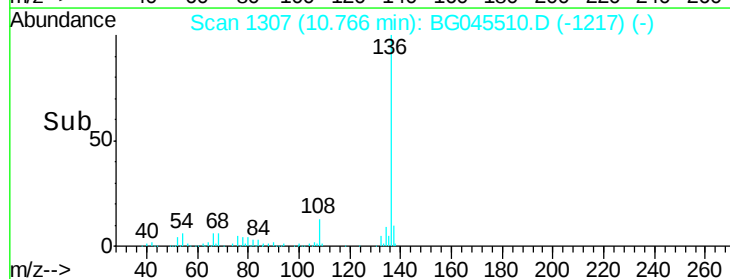
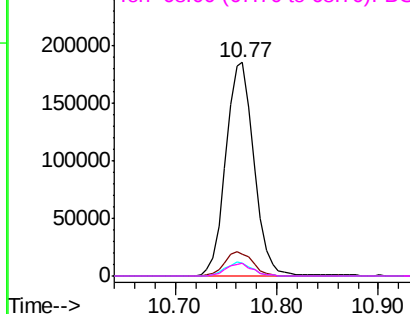
137 10.3 9.4 14.2

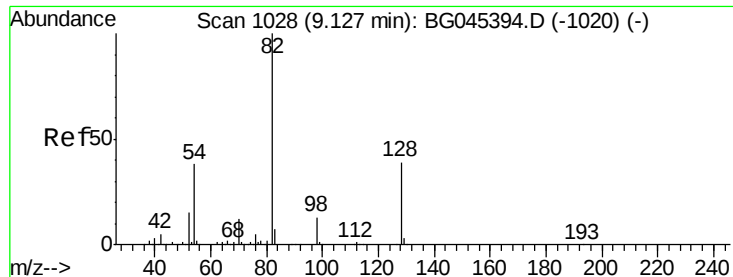
54 5.7 5.8 8.6#

68 5.8 4.5 6.7



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

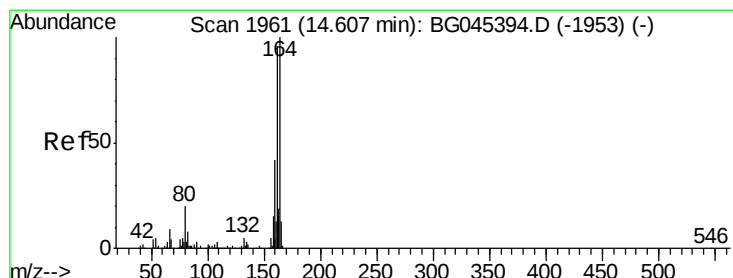
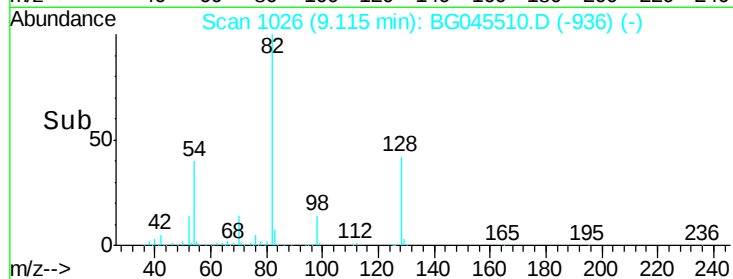
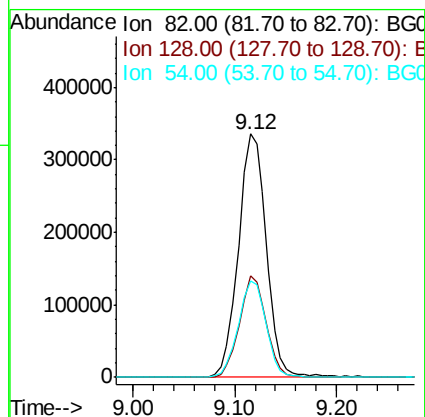
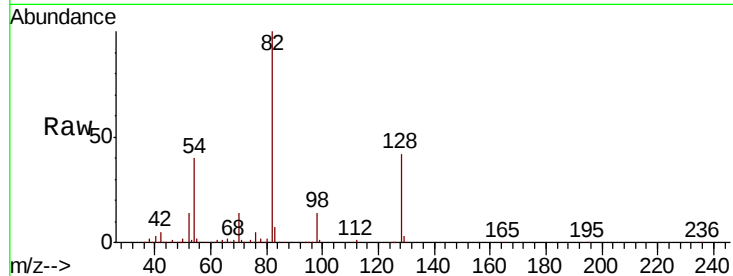




#23  
Nitrobenzene-d5  
Concen: 97.924 ng  
RT: 9.12 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BG045510.D  
Acq: 29 May 2020 3:05

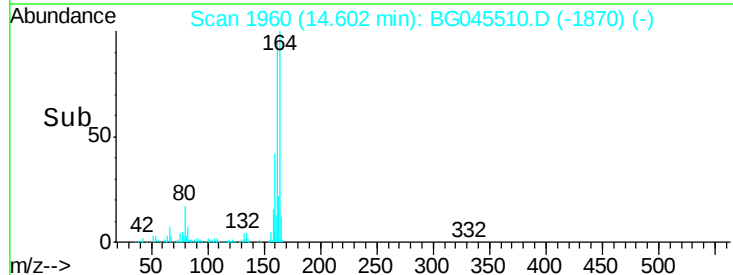
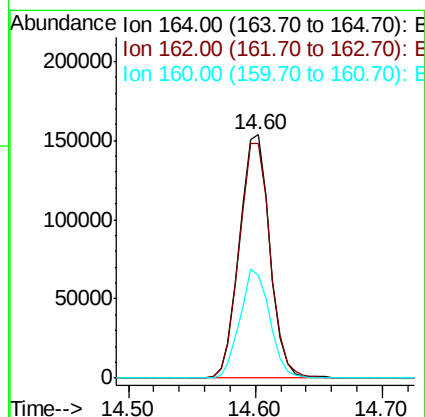
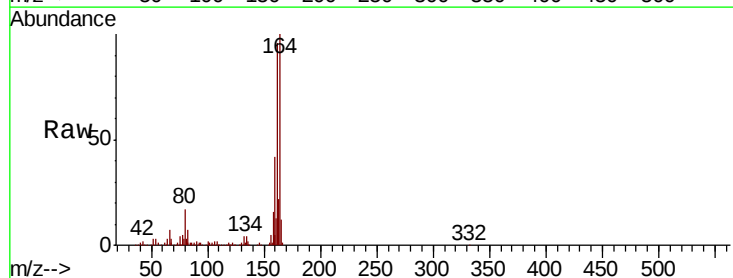
Instrument :  
BNA\_G  
ClientSampleId :  
PB129114BL

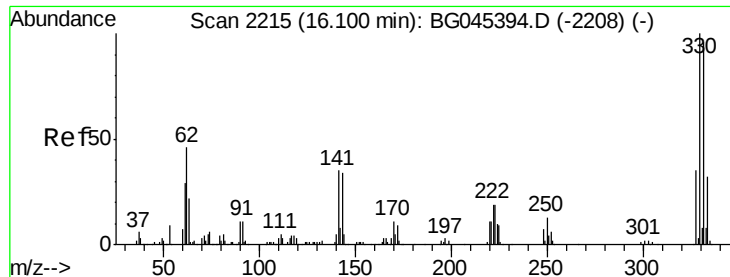
| Tot Ion   | 82    | Resp  | 641793 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.7  | 30.9  | 46.3   |
| 54        | 39.7  | 30.3  | 45.5   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.60 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BG045510.D  
Acq: 29 May 2020 3:05

| Tgt Ion   | 164   | Resp  | 253850 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 96.2  | 76.9  | 115.3  |
| 160       | 42.5  | 33.8  | 50.8   |

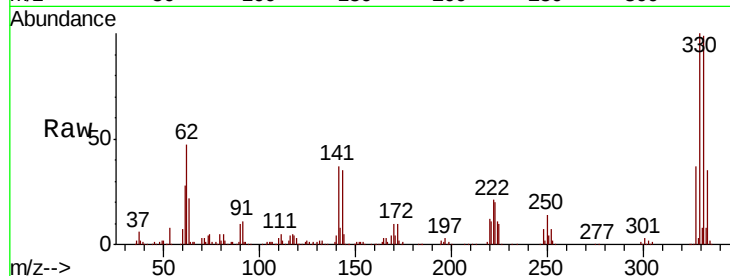




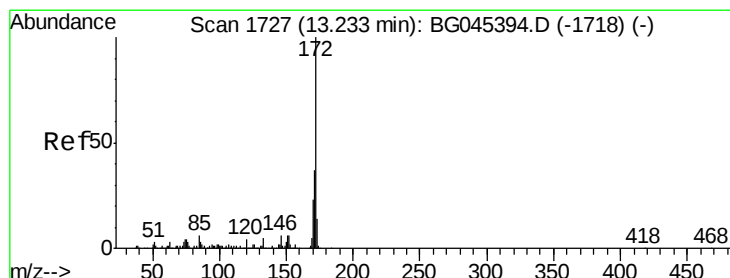
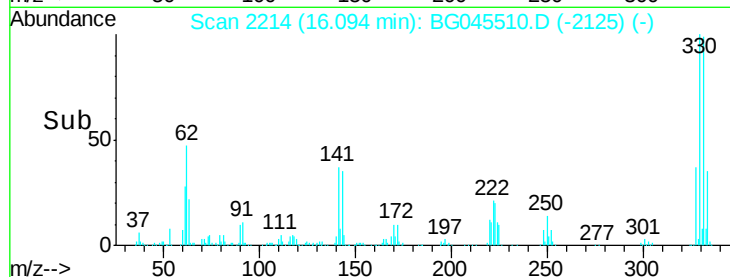
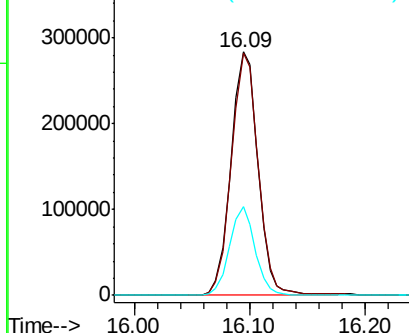
#42  
 2,4,6-Tribromophenol  
 Concen: 142.229 ng  
 RT: 16.09 min Scan# 2214  
 Delta R.T. -0.01 min  
 Lab File: BG045510.D  
 Acq: 29 May 2020 3:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129114BL

Tot Ion:330 Resp: 461741  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 78.2 117.4  
 141 34.5 28.2 42.4

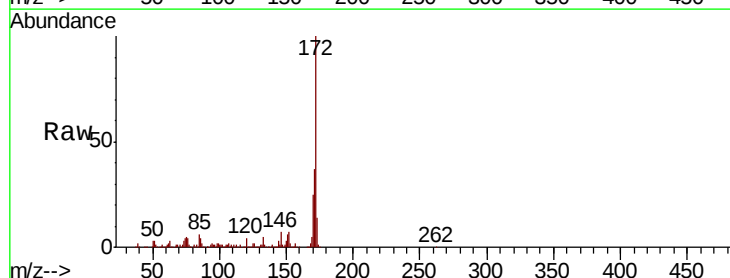


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

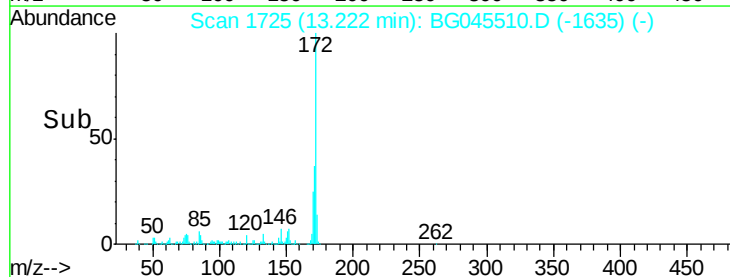
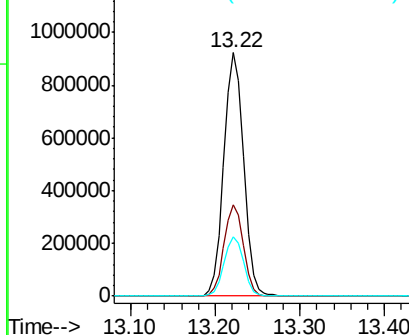


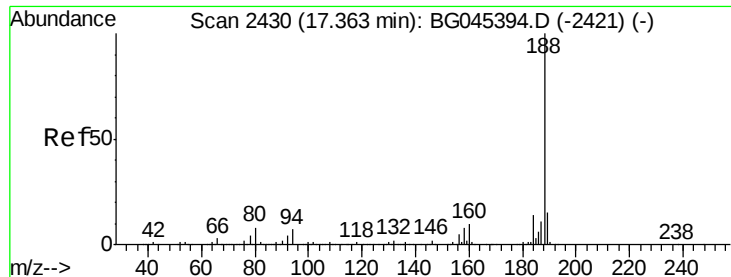
#45  
 2-Fluorobiphenyl  
 Concen: 100.176 ng  
 RT: 13.22 min Scan# 1725  
 Delta R.T. -0.00 min  
 Lab File: BG045510.D  
 Acq: 29 May 2020 3:05

Tgt Ion:172 Resp: 1499201  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 29.5 44.3  
 170 24.6 18.5 27.7



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: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

Instrument :

BNA\_G

ClientSampleId :

PB129114BL

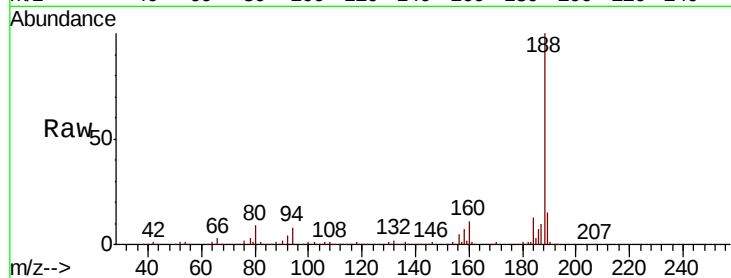
Tot Ion:188 Resp: 550711

Ion Ratio Lower Upper

188 100

94 7.7 5.5 8.3

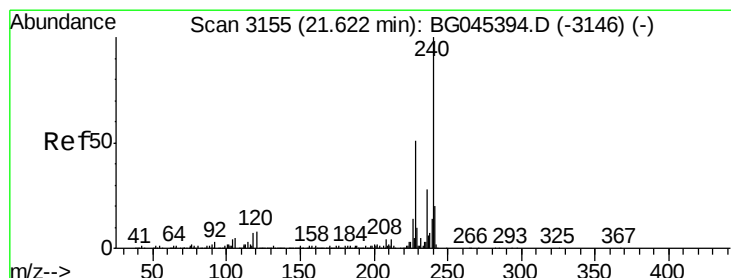
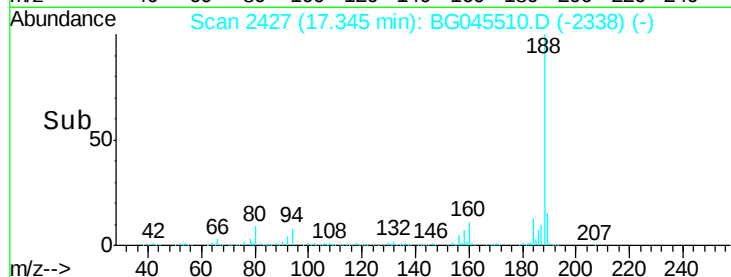
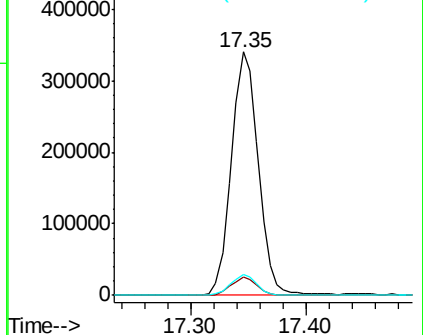
80 8.8 6.6 10.0



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: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

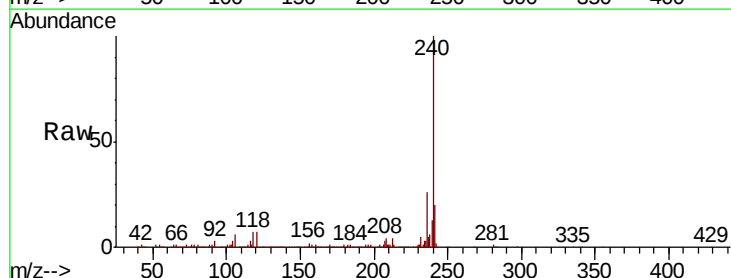
Tgt Ion:240 Resp: 516137

Ion Ratio Lower Upper

240 100

120 7.2 6.1 9.1

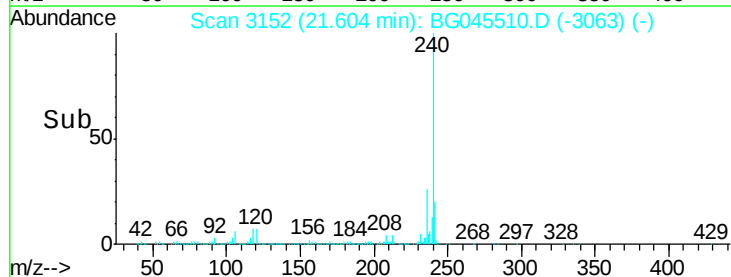
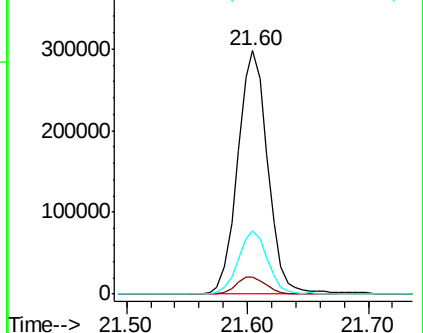
236 25.9 22.3 33.5

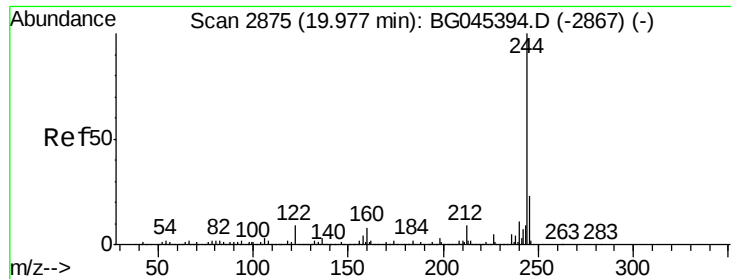


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 101.076 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

Instrument :

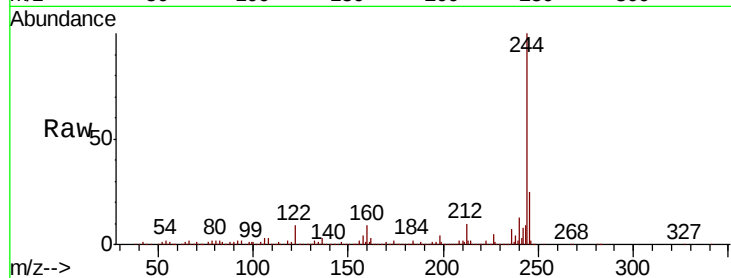
BNA\_G

ClientSampleId :

PB129114BL

Tot Ion:244 Resp: 2236807

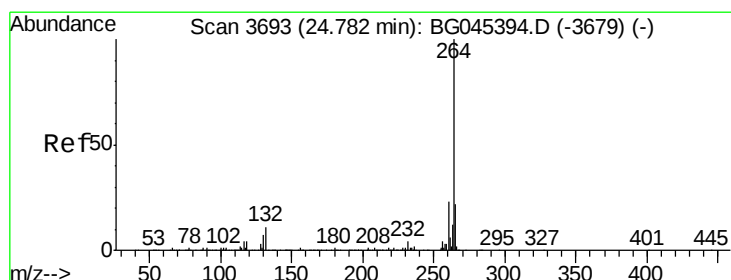
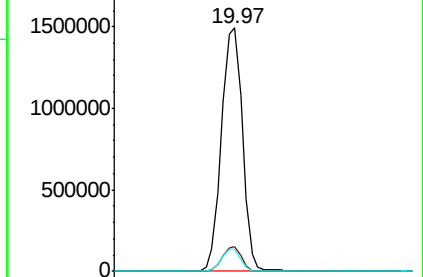
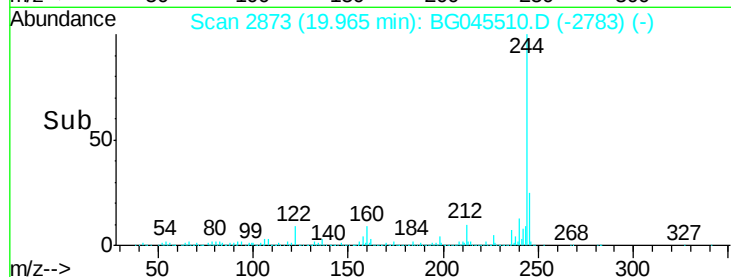
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.2  | 7.4   | 11.0  |
| 122 | 9.1   | 6.8   | 10.2  |



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: 24.75 min Scan# 3688

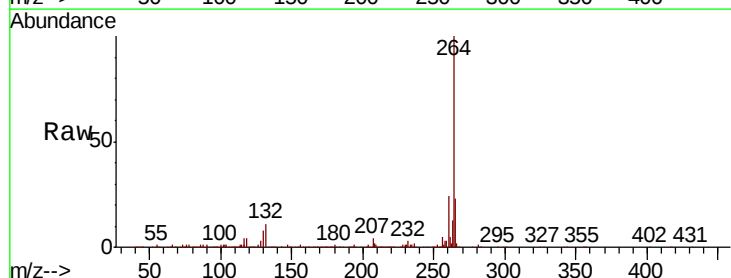
Delta R.T. -0.01 min

Lab File: BG045510.D

Acq: 29 May 2020 3:05

Tgt Ion:264 Resp: 541649

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.2  | 27.4  |
| 265 | 22.8  | 17.6  | 26.4  |



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

