

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060320\  
 Data File : BG045598.D  
 Acq On : 4 Jun 2020 5:05  
 Operator : CG/JU  
 Sample : PB129278TB  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129278TB

Quant Time: Jun 04 06:01:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 15:07:00 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 58727    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.76 | 136  | 231403   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.60 | 164  | 167936   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.35 | 188  | 398756   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.60 | 240  | 390584   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.75 | 264  | 405674   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 421852   | 140.38 | ng    | 0.00     |
| 7) Phenol-d6                | 7.15  | 99   | 602394   | 140.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 420195   | 99.02  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.09 | 330  | 332515   | 154.82 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.22 | 172  | 1005333  | 101.54 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.96 | 244  | 1754193  | 104.75 | ng    | 0.00     |

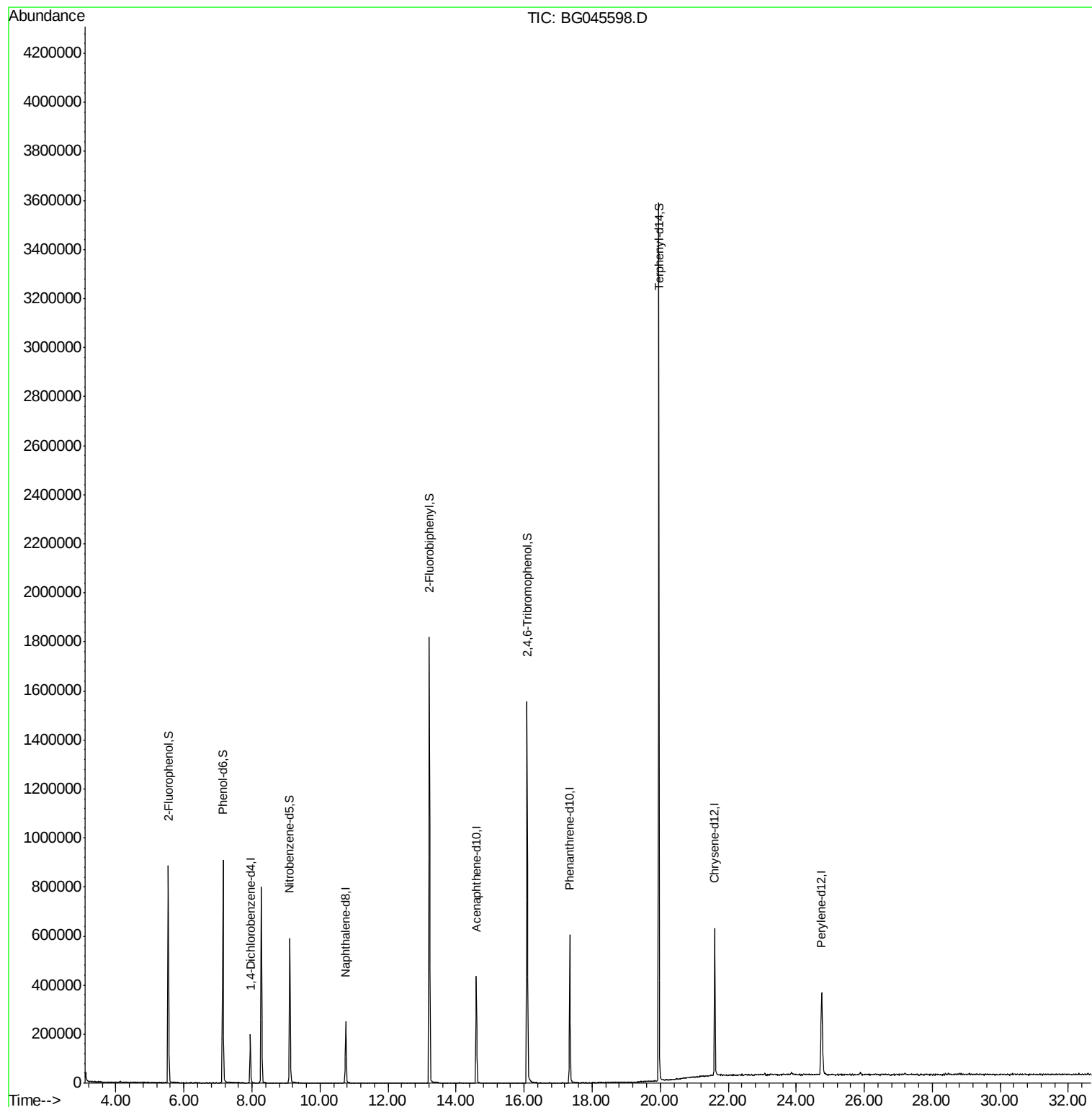
Target Compounds Qvalue

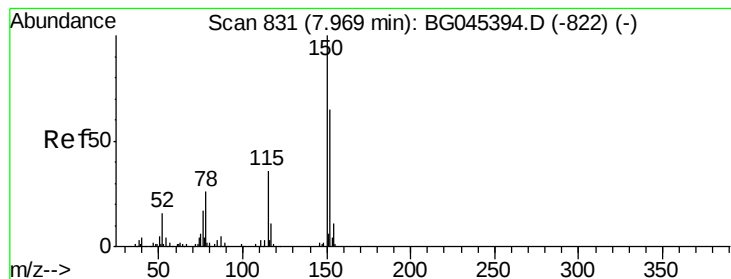
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Time: Jun 04 06:01:51 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 01 15:07:00 2020  
Response via : Initial Calibration



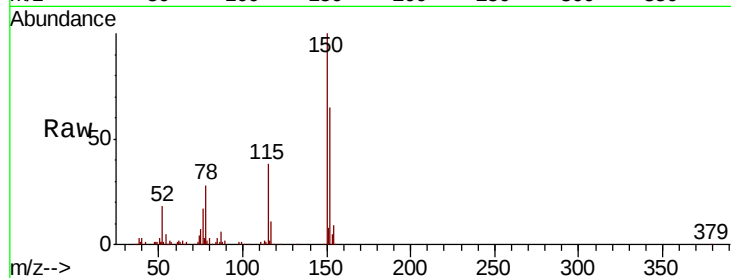


#1

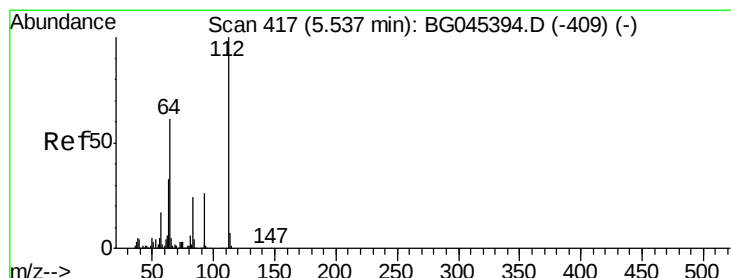
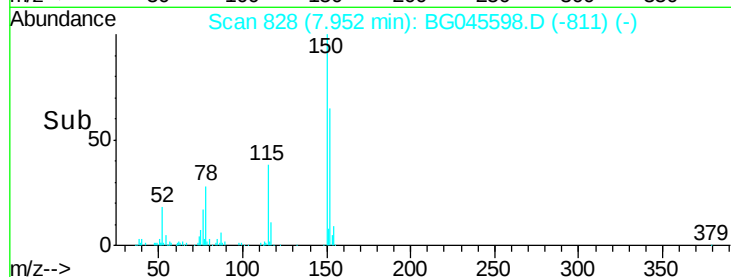
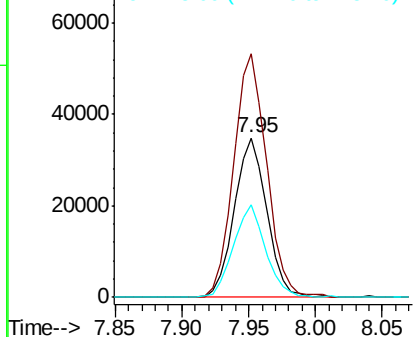
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB129278TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.7 | 122.4 | 183.6 |
| 115     | 57.7  | 44.2  | 66.4  |



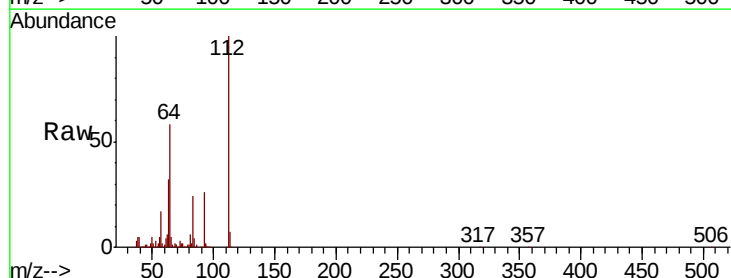
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



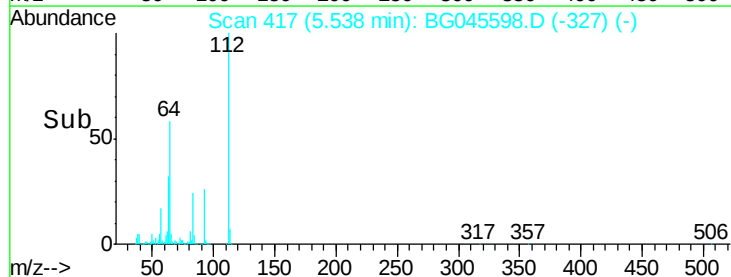
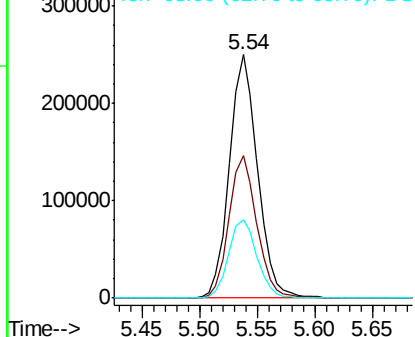
#5

2-Fluorophenol  
Concen: 140.382 ng  
RT: 5.54 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.3  | 48.6  | 72.8  |
| 63      | 32.2  | 26.5  | 39.7  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.844 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA\_G

ClientSampleId :

PB129278TB

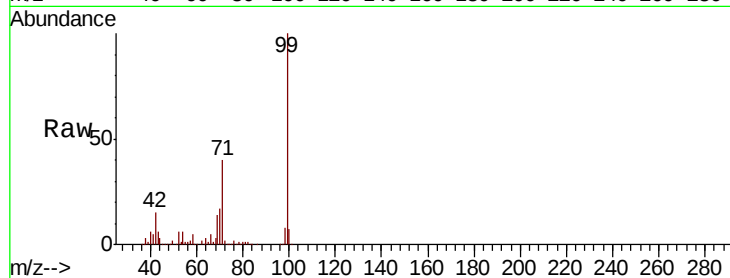
Tot Ion: 99 Resp: 602394

Ion Ratio Lower Upper

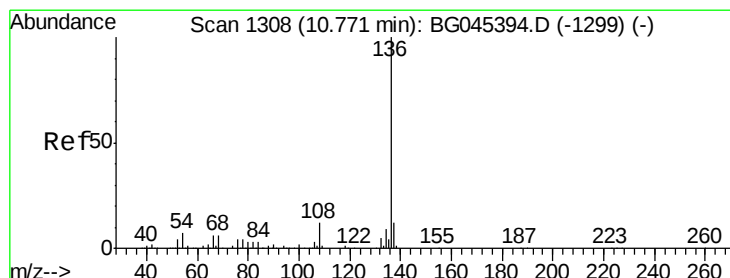
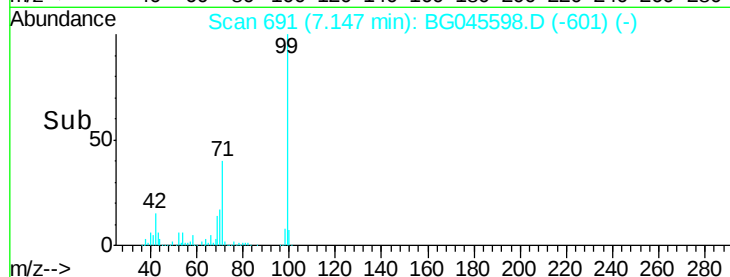
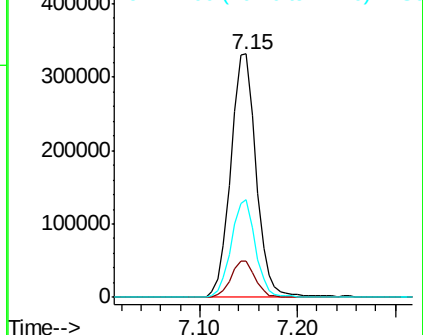
99 100

42 14.8 11.3 16.9

71 39.9 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: 10.76 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Tgt Ion: 136 Resp: 231403

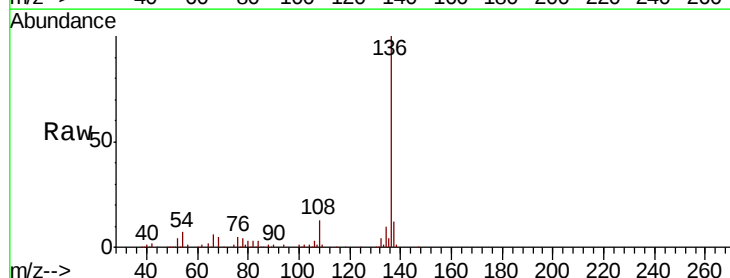
Ion Ratio Lower Upper

136 100

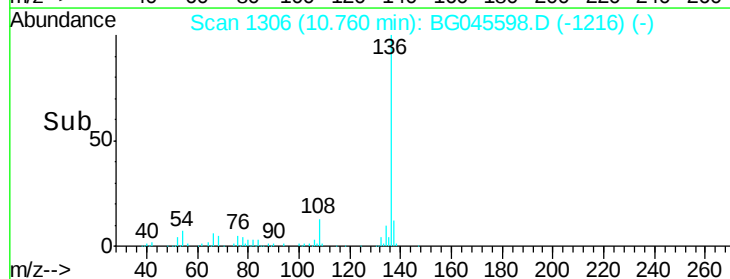
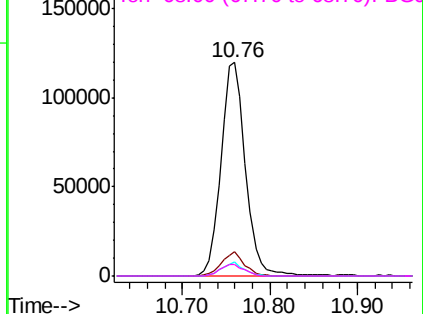
137 11.6 9.4 14.2

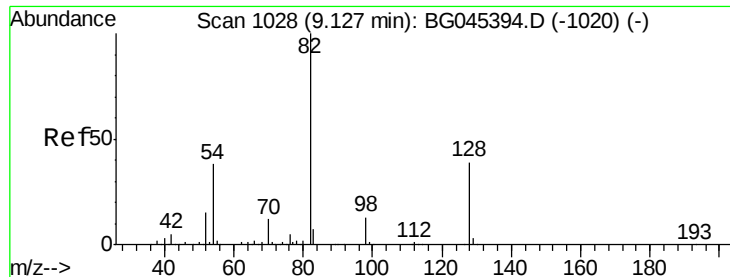
54 6.6 5.8 8.6

68 5.2 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

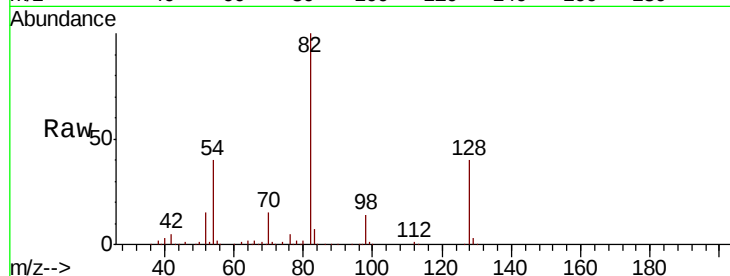




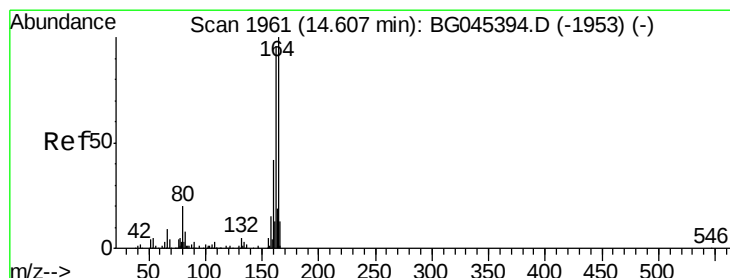
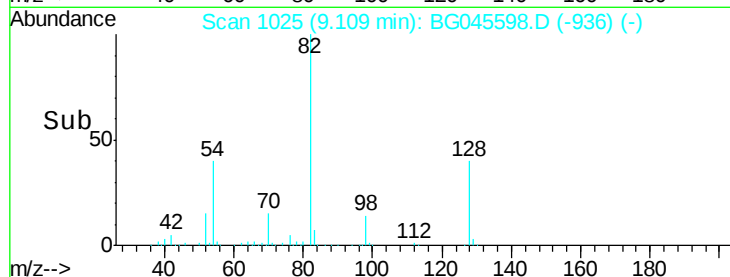
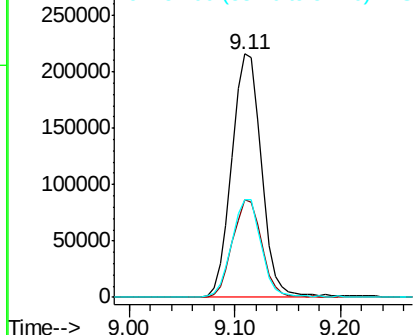
#23  
Nitrobenzene-d5  
Concen: 99.022 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB129278TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.0  | 30.9  | 46.3  |
| 54      | 40.2  | 30.3  | 45.5  |

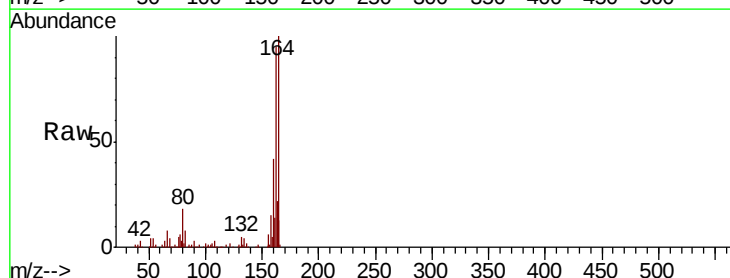


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

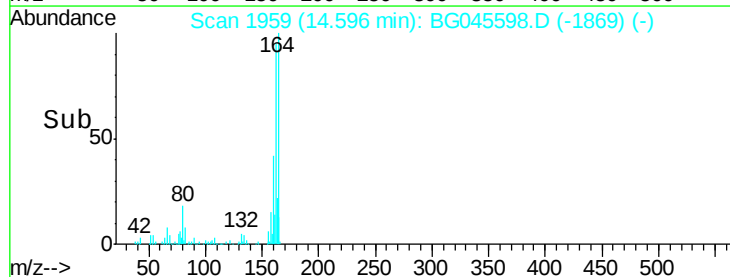
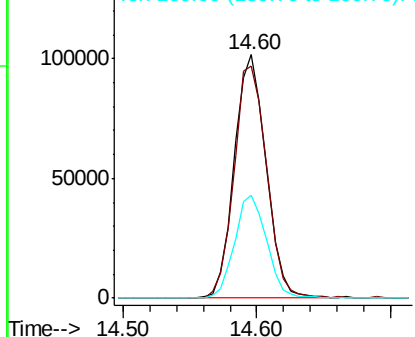


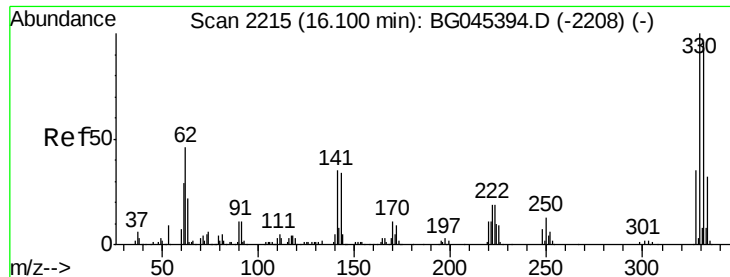
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.60 min Scan# 1959  
Delta R.T. 0.00 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.3  | 76.9  | 115.3 |
| 160     | 42.4  | 33.8  | 50.8  |



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: 154.823 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA\_G

ClientSampleId :

PB129278TB

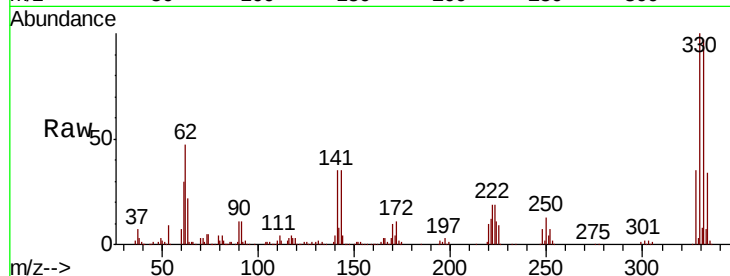
Tot Ion:330 Resp: 332515

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

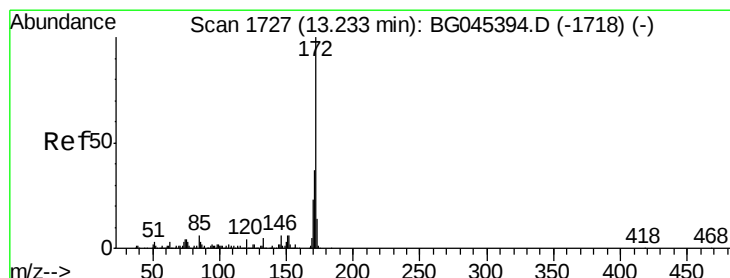
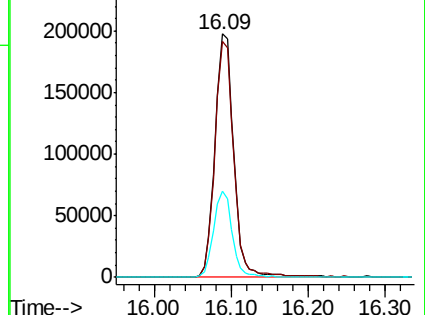
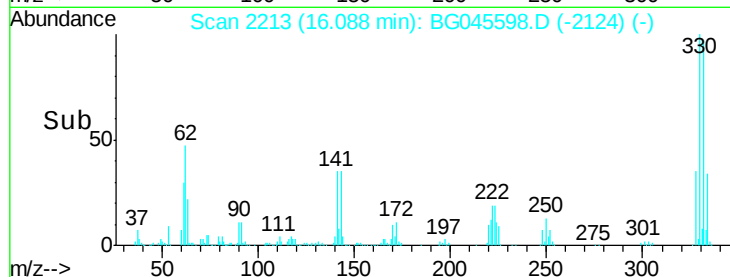
141 34.9 28.2 42.4



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: 101.542 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

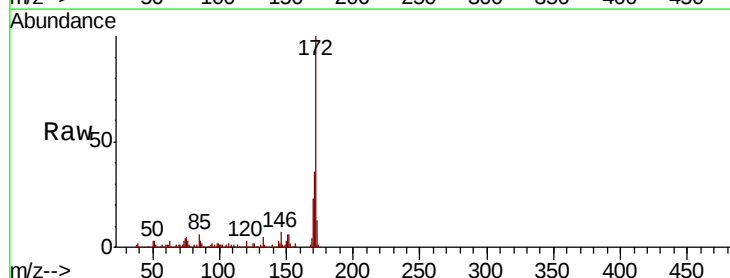
Tgt Ion:172 Resp: 1005333

Ion Ratio Lower Upper

172 100

171 36.3 29.5 44.3

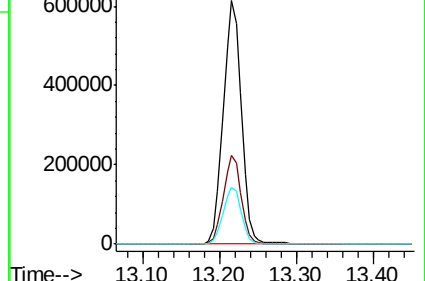
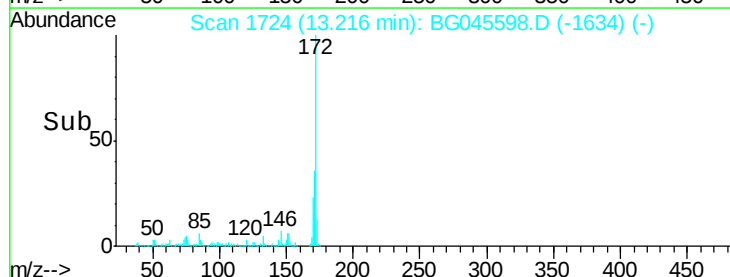
170 23.1 18.5 27.7

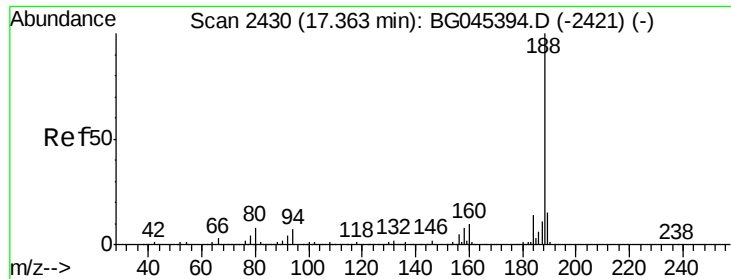


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

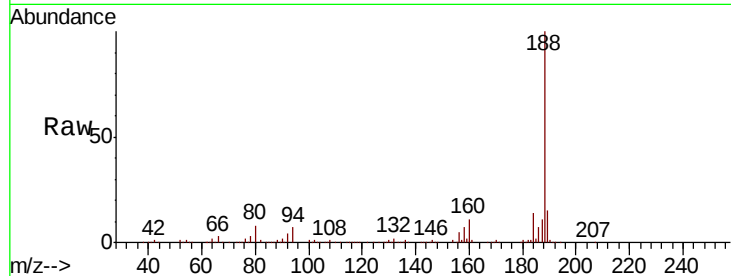




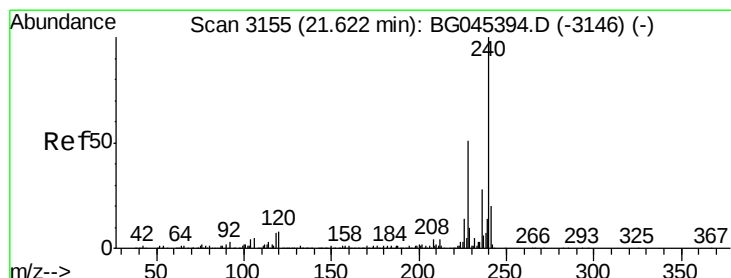
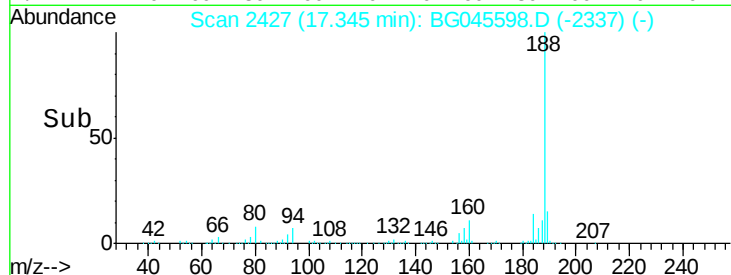
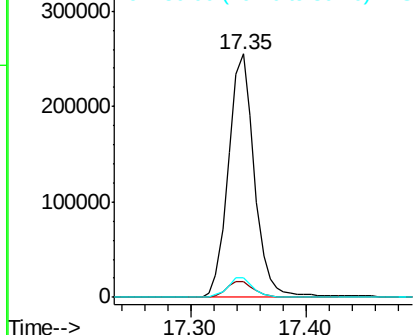
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.35 min Scan# 2427  
Delta R.T. 0.00 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB129278TB

Tot Ion:188 Resp: 398756  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.5 8.3  
80 7.9 6.6 10.0

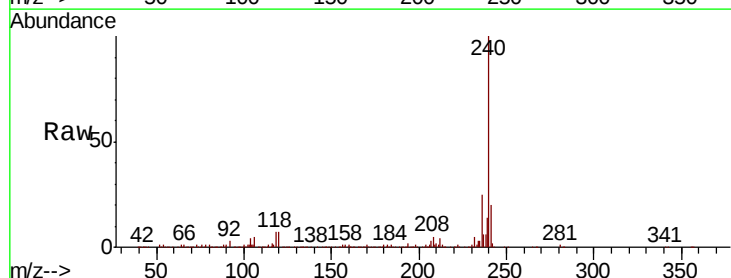


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

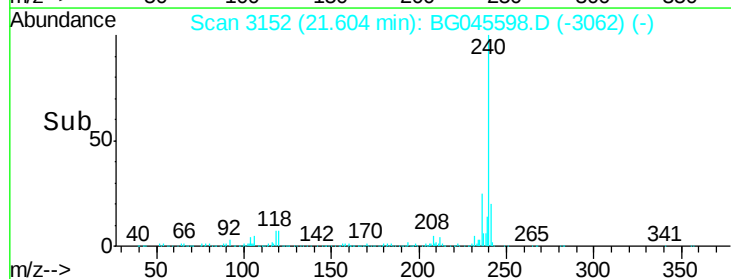
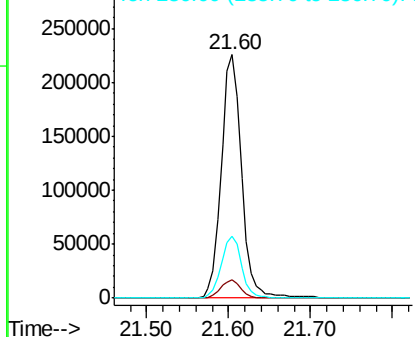


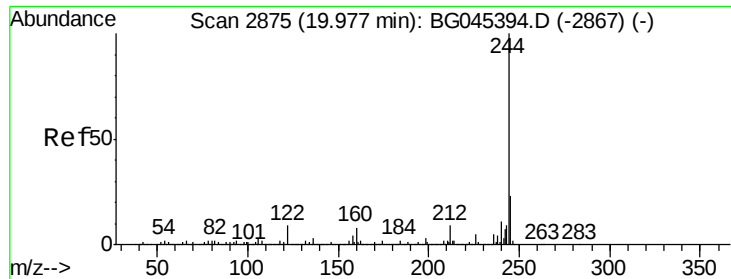
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.60 min Scan# 3152  
Delta R.T. 0.00 min  
Lab File: BG045598.D  
Acq: 4 Jun 2020 5:05

Tgt Ion:240 Resp: 390584  
Ion Ratio Lower Upper  
240 100  
120 7.5 6.1 9.1  
236 25.5 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: 104.748 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

Instrument :

BNA\_G

ClientSampleId :

PB129278TB

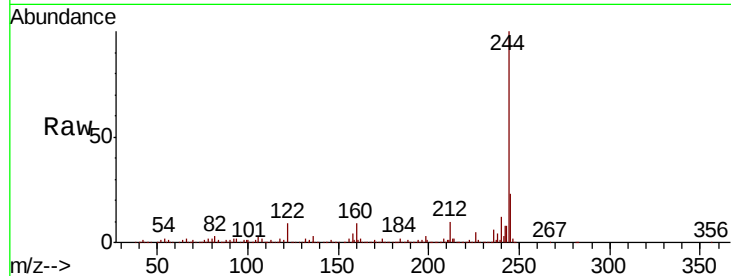
Tot Ion:244 Resp: 1754193

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

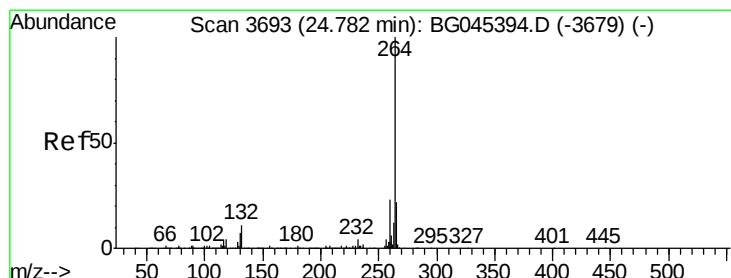
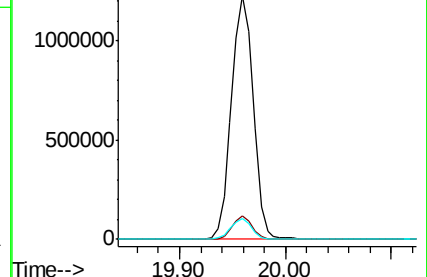
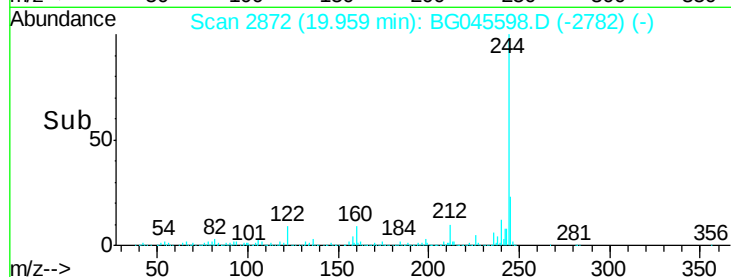
122 8.5 6.8 10.2



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. 0.00 min

Lab File: BG045598.D

Acq: 4 Jun 2020 5:05

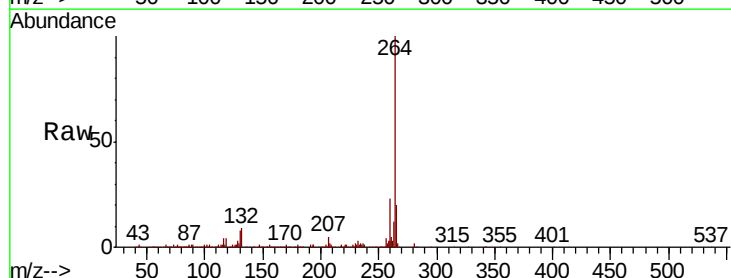
Tgt Ion:264 Resp: 405674

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 20.0 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

