

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\  
 Data File : BG046620.D  
 Acq On : 15 Sep 2020 11:52  
 Operator : CG/JU  
 Sample : PB131588BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131588BL

Quant Time: Sep 15 13:30:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 13:09:36 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 50087    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.72 | 136  | 208289   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.55 | 164  | 153870   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.30 | 188  | 429478   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.55 | 240  | 499286   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.64 | 264  | 473431   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 333165   | 117.81 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 438876   | 109.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.08  | 82   | 270900   | 74.34  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.04 | 330  | 223307   | 107.11 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.17 | 172  | 793503   | 78.72  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.91 | 244  | 1618214  | 68.98  | ng    | 0.00     |

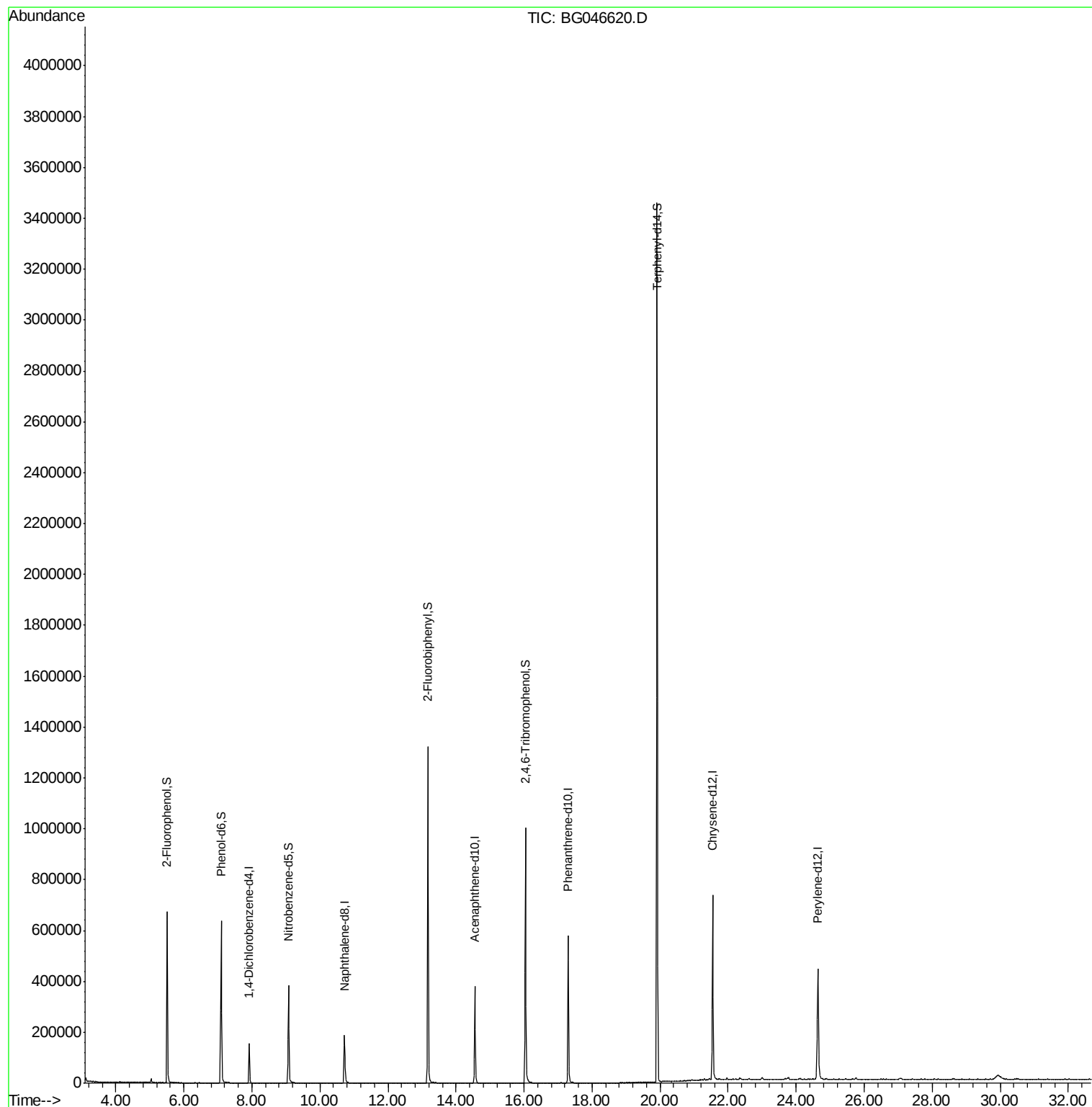
Target Compounds Qvalue

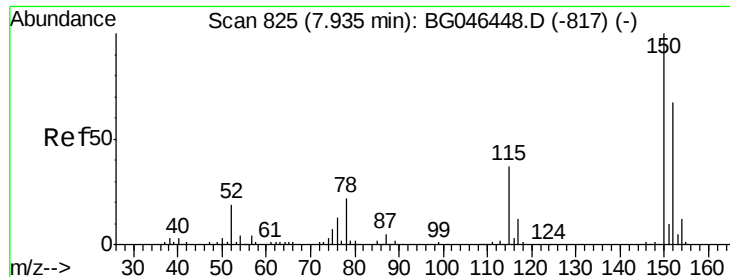
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 15 13:09:36 2020  
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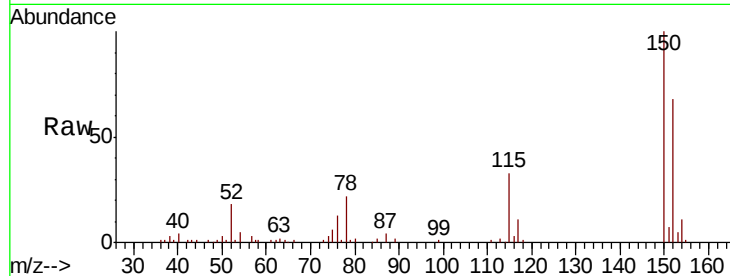


#1

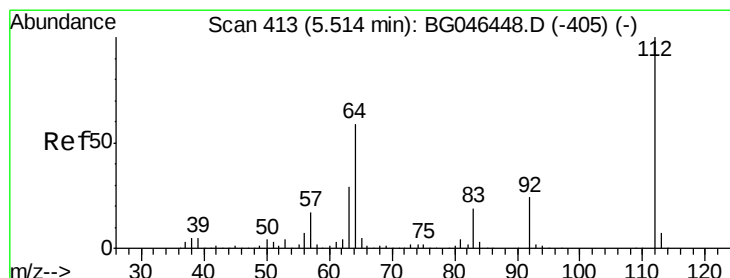
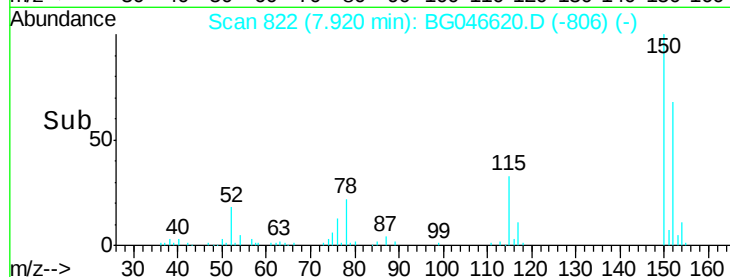
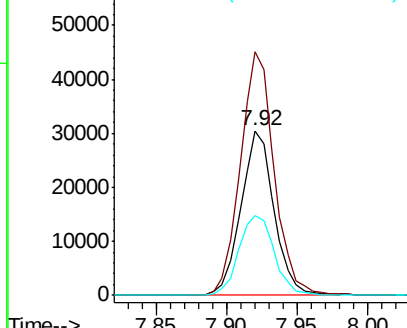
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.92 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BG046620.D  
 Acq: 15 Sep 2020 11:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131588BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.7 | 119.5 | 179.3 |
| 115     | 48.2  | 44.3  | 66.5  |



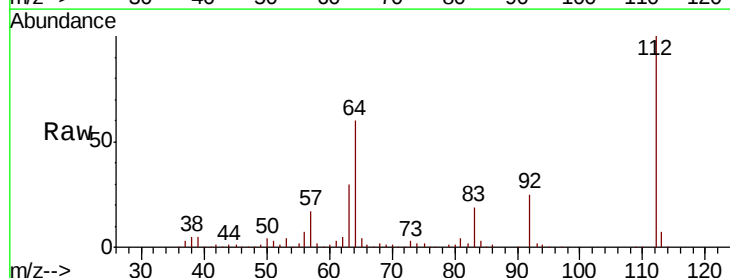
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



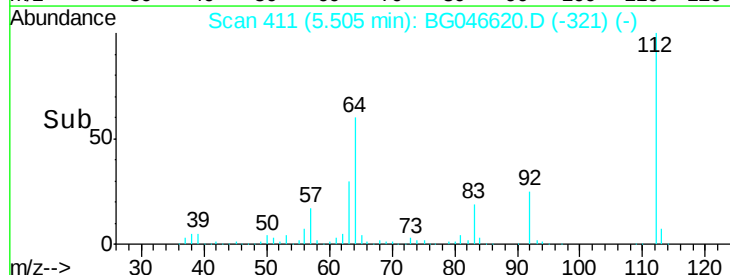
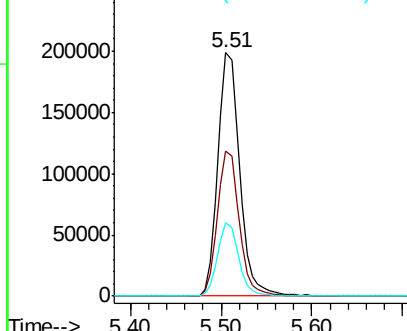
#5

2-Fluorophenol  
 Concen: 117.814 ng  
 RT: 5.51 min Scan# 411  
 Delta R.T. 0.00 min  
 Lab File: BG046620.D  
 Acq: 15 Sep 2020 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.7  | 47.0  | 70.6  |
| 63      | 30.1  | 23.5  | 35.3  |



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: 109.478 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

Instrument :

BNA\_G

ClientSampleId :

PB131588BL

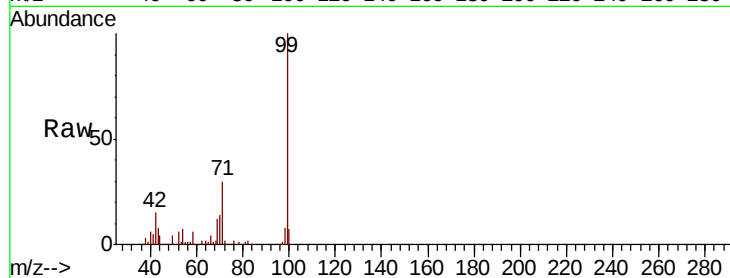
Tot Ion: 99 Resp: 438876

Ion Ratio Lower Upper

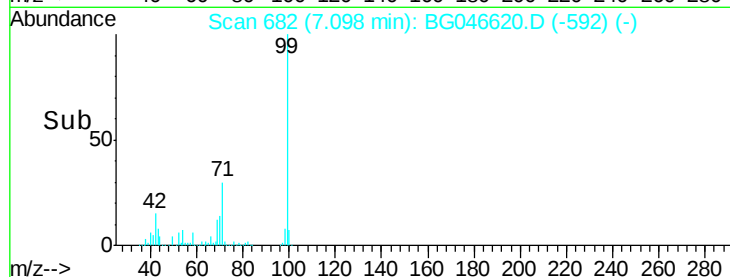
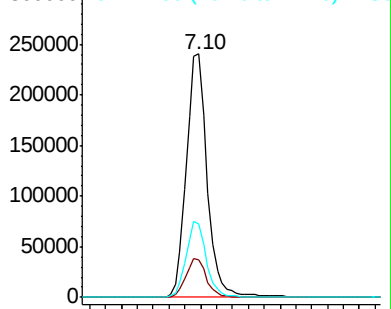
99 100

42 15.3 13.3 19.9

71 29.9 25.3 37.9



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: 10.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

Tgt Ion: 136 Resp: 208289

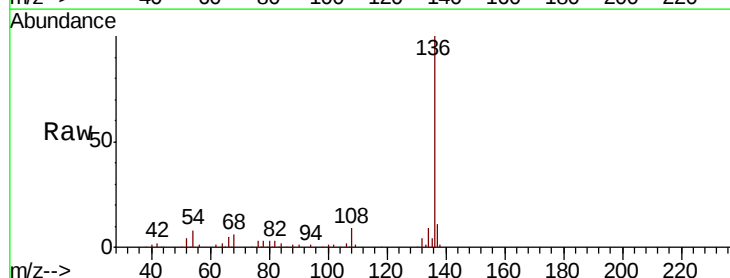
Ion Ratio Lower Upper

136 100

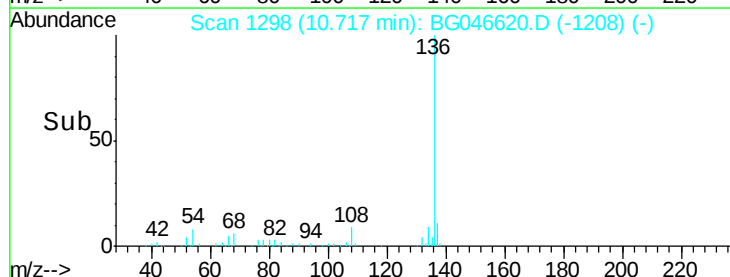
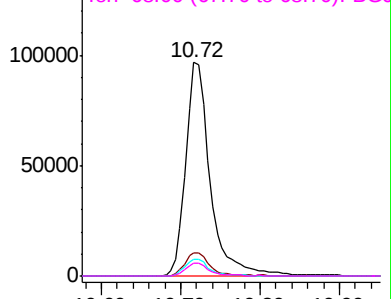
137 11.1 8.8 13.2

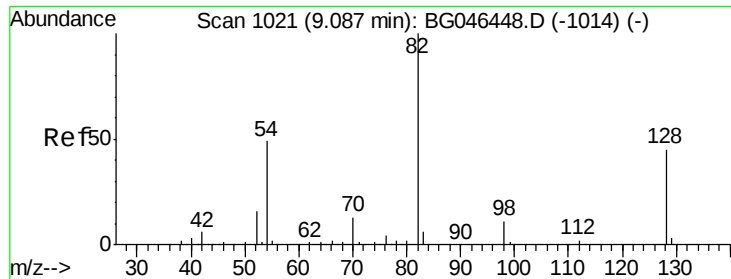
54 7.6 6.1 9.1

68 6.2 4.8 7.2



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

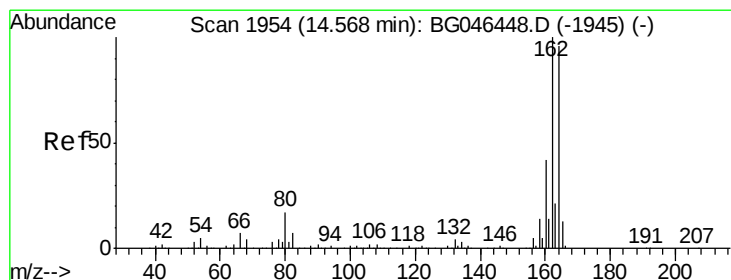
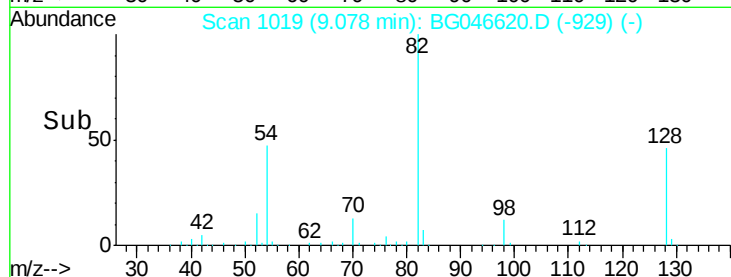
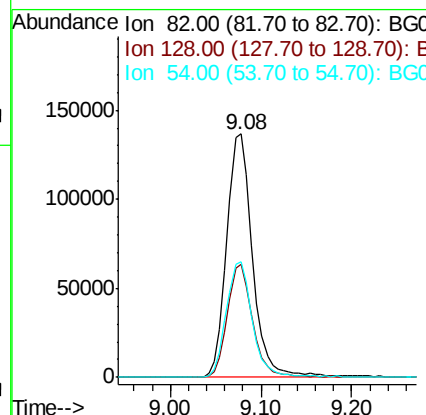
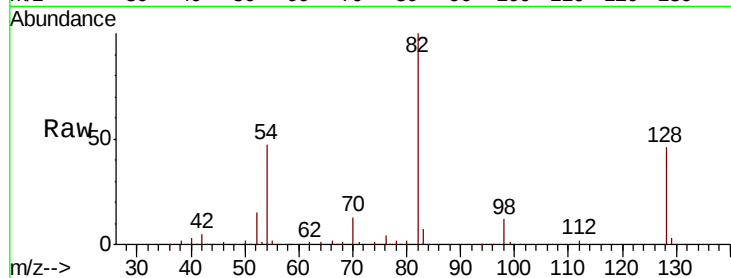




#23  
Nitrobenzene-d5  
Concen: 74.336 ng  
RT: 9.08 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BG046620.D  
Acq: 15 Sep 2020 11:52

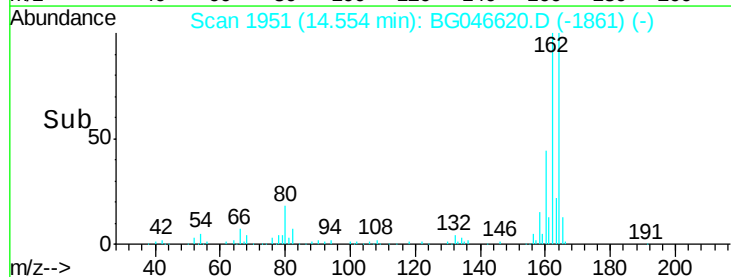
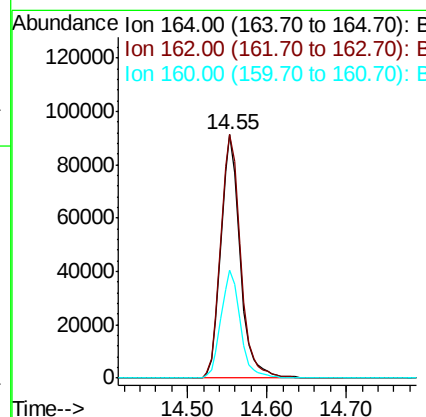
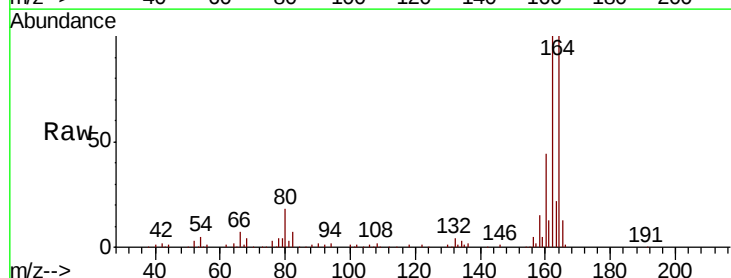
Instrument :  
BNA\_G  
ClientSampleId :  
PB131588BL

| Tot Ion   | 82   | Resp  | 270900 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.5 | 35.7  | 53.5   |
| 54        | 47.3 | 39.4  | 59.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.55 min Scan# 1951  
Delta R.T. 0.00 min  
Lab File: BG046620.D  
Acq: 15 Sep 2020 11:52

| Tgt Ion   | 164   | Resp  | 153870 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 100.1 | 83.3  | 124.9  |
| 160       | 44.1  | 35.0  | 52.6   |

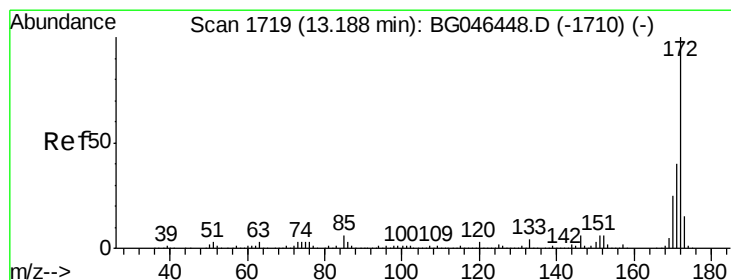
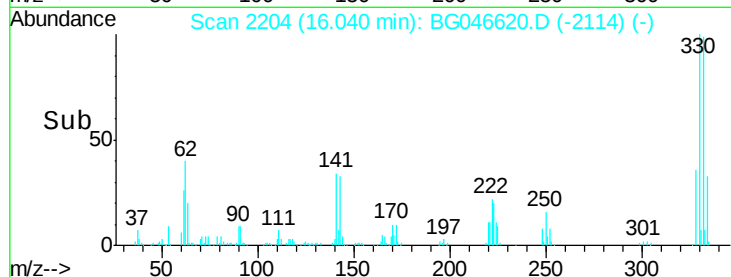
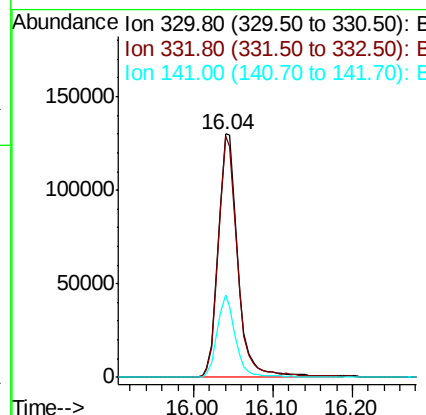
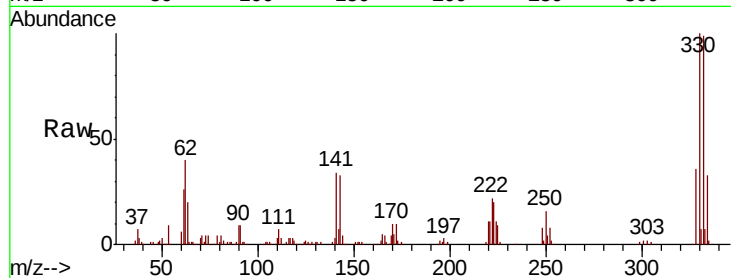




#42  
 2,4,6-Tribromophenol  
 Concen: 107.110 ng  
 RT: 16.04 min Scan# 2204  
 Delta R.T. 0.00 min  
 Lab File: BG046620.D  
 Acq: 15 Sep 2020 11:52

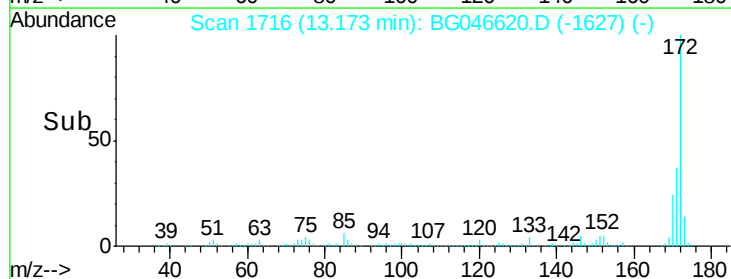
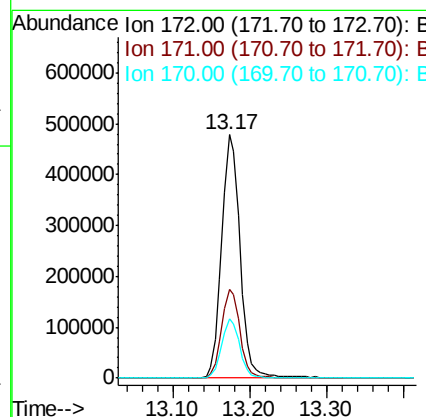
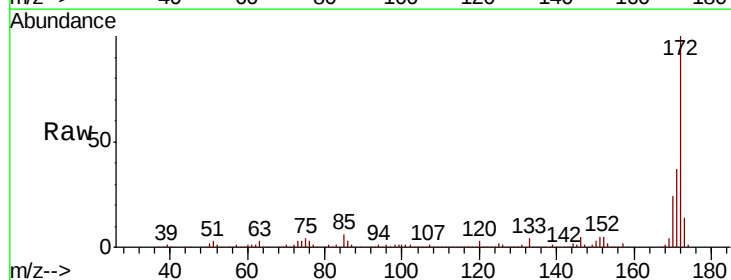
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131588BL

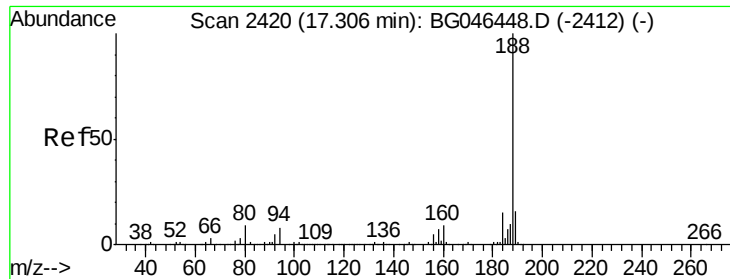
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 76.1  | 114.1 |
| 141     | 32.0  | 26.1  | 39.1  |



#45  
 2-Fluorobiphenyl  
 Concen: 78.724 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG046620.D  
 Acq: 15 Sep 2020 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 31.8  | 47.6  |
| 170     | 24.2  | 20.3  | 30.5  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

Instrument :

BNA\_G

ClientSampleId :

PB131588BL

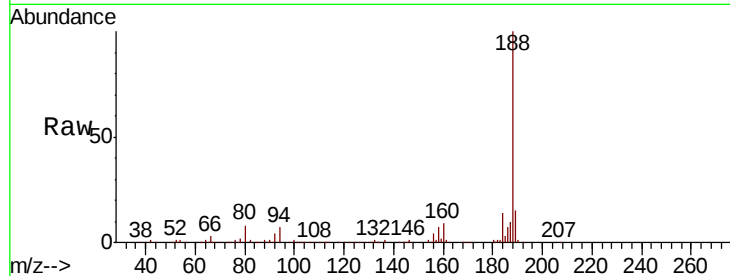
Tot Ion:188 Resp: 429478

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

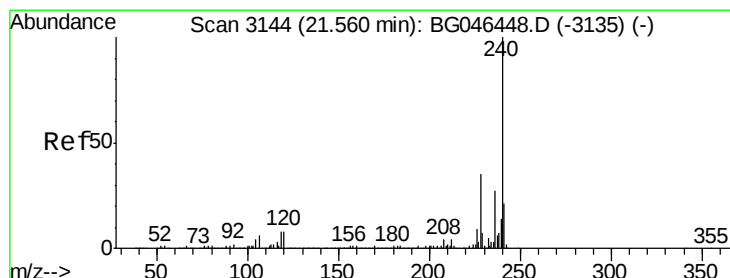
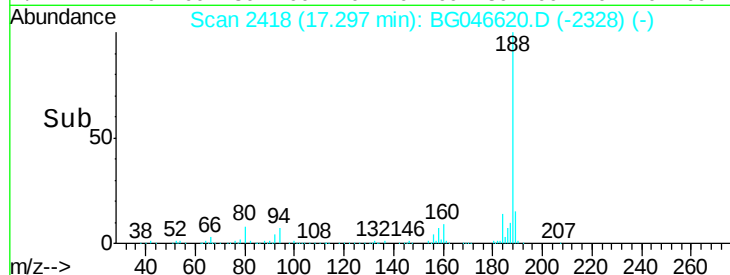
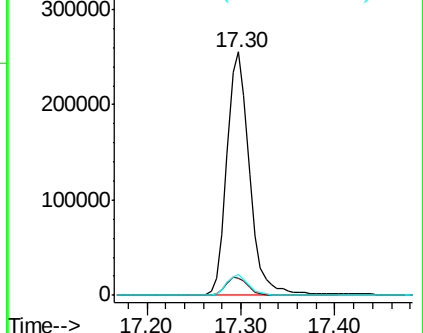
80 8.4 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

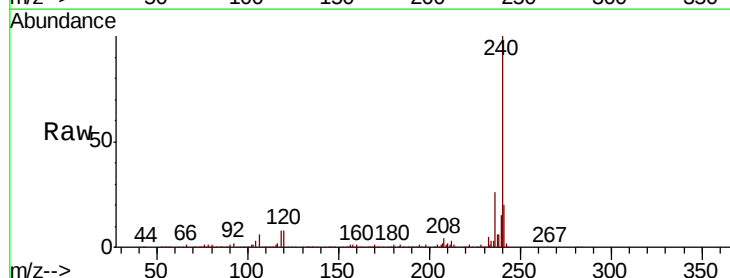
Tgt Ion:240 Resp: 499286

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

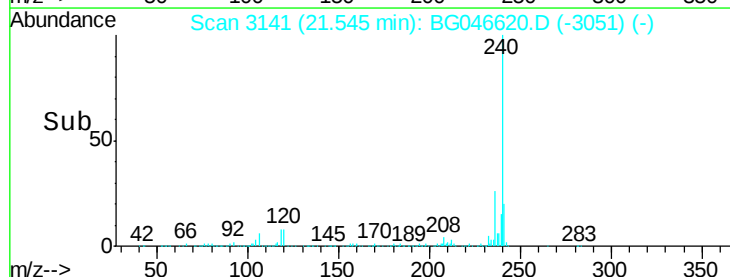
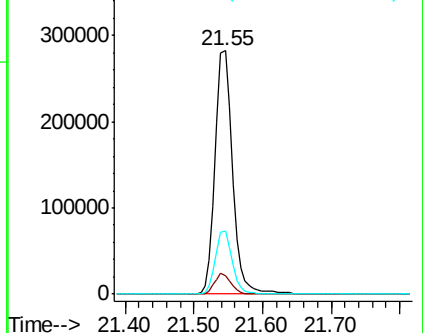
236 25.7 21.4 32.2

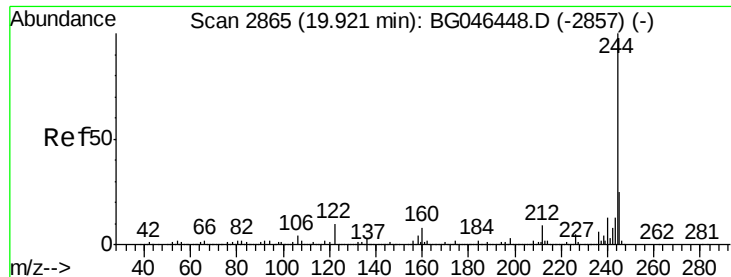


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 68.975 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

Instrument :

BNA\_G

ClientSampleId :

PB131588BL

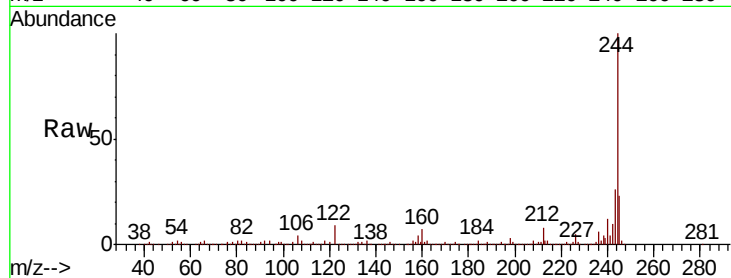
Tot Ion:244 Resp: 1618214

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

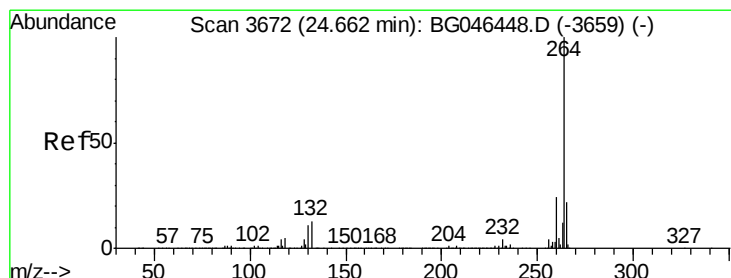
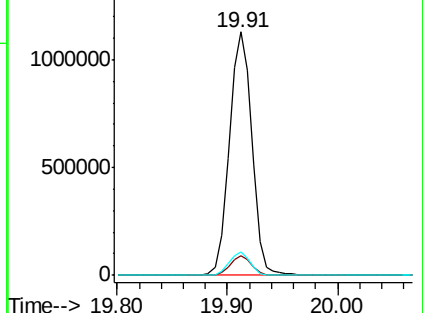
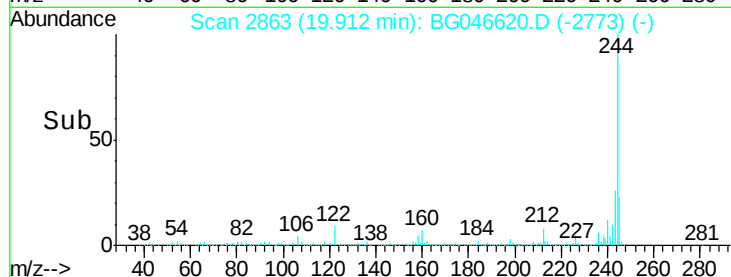
122 9.5 8.2 12.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. 0.01 min

Lab File: BG046620.D

Acq: 15 Sep 2020 11:52

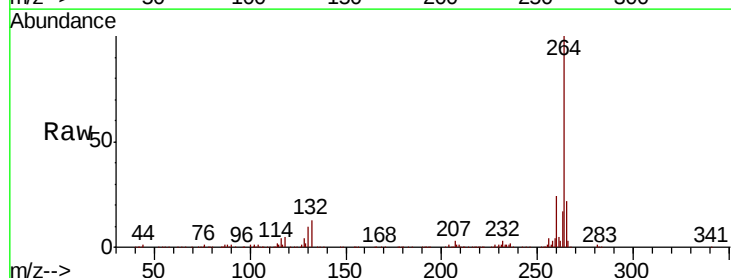
Tgt Ion:264 Resp: 473431

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.6 17.9 26.9



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

