

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\  
 Data File : BG046631.D  
 Acq On : 15 Sep 2020 19:28  
 Operator : CG/JU  
 Sample : L4005-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 22-31

Quant Time: Sep 16 00:51:53 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  | 75832    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.72 | 136  | 312932   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.55 | 164  | 225064   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.29 | 188  | 472654   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.54 | 240  | 498274   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.64 | 264  | 485212   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 484408   | 113.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 576084   | 94.92  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.08  | 82   | 485709   | 88.71  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.04 | 330  | 312402   | 102.45 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.17 | 172  | 1311718  | 88.97  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.91 | 244  | 1788178  | 76.37  | ng    | 0.00     |

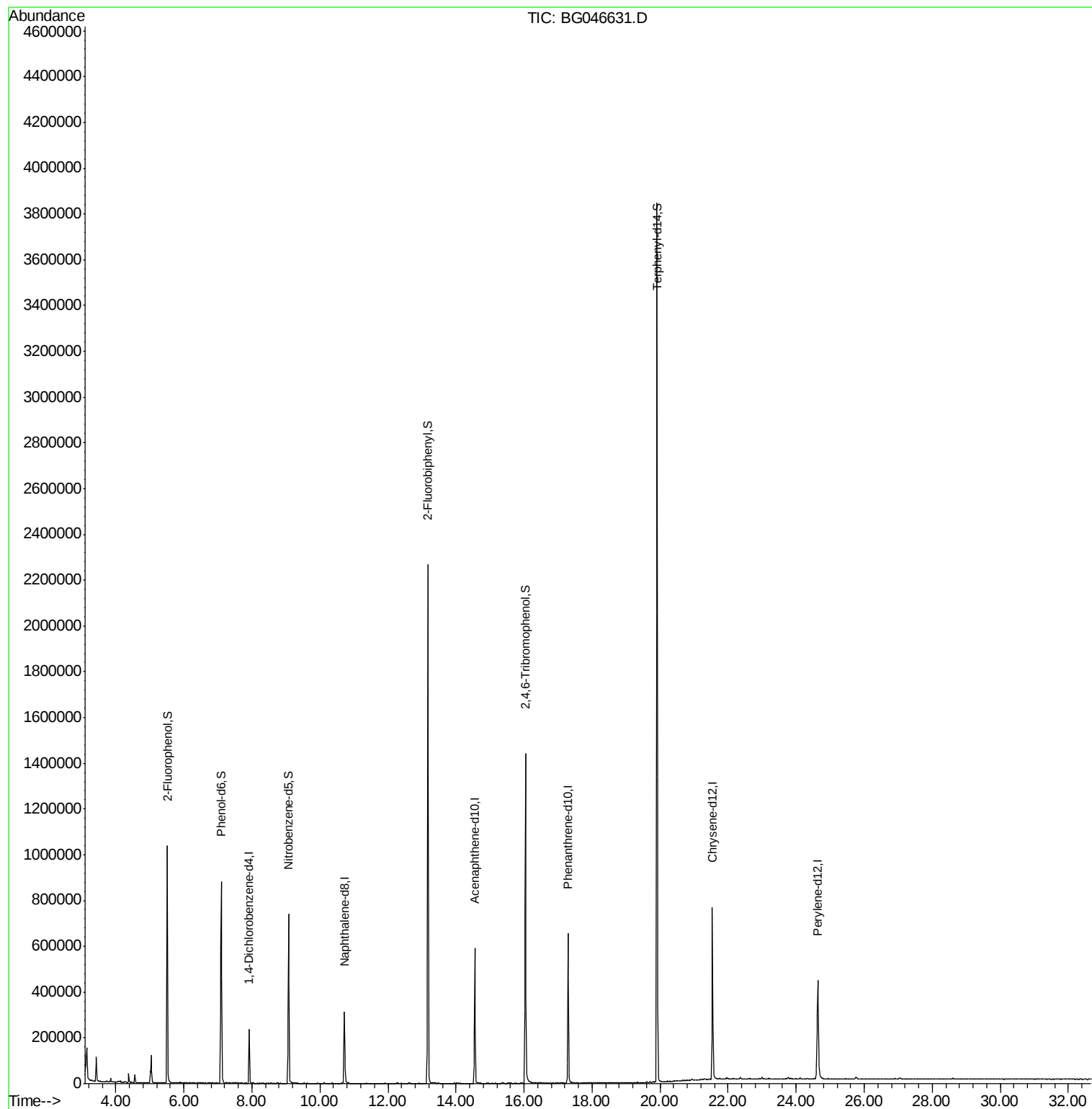
Target Compounds Qvalue

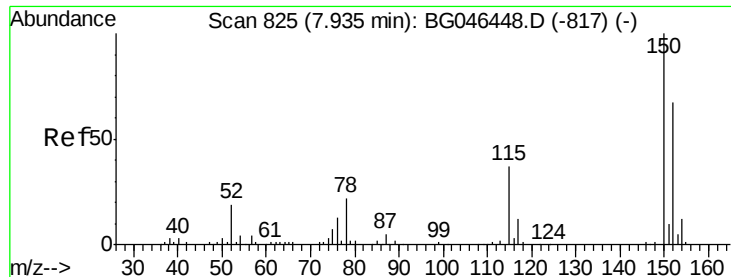
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : CG/JU  
Sample : L4005-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
22-31

Quant Time: Sep 16 00:51:53 2020  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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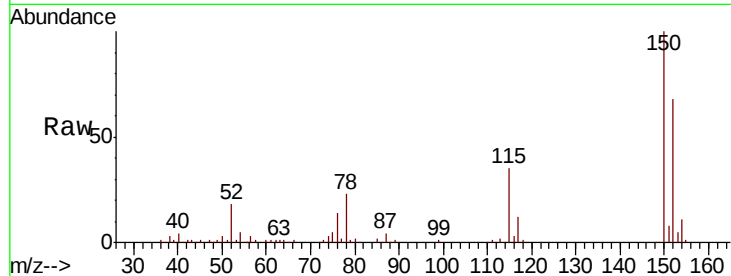


#1

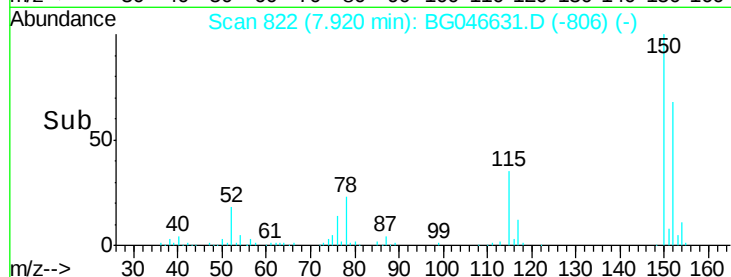
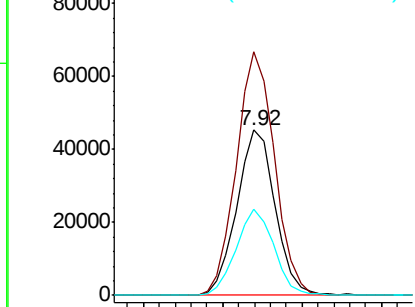
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.92 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BG046631.D  
Acq: 15 Sep 2020 19:28

Instrument :  
BNA\_G  
ClientSampled :  
22-31

Tot Ion:152 Resp: 75832  
Ion Ratio Lower Upper  
152 100  
150 147.3 119.5 179.3  
115 52.1 44.3 66.5



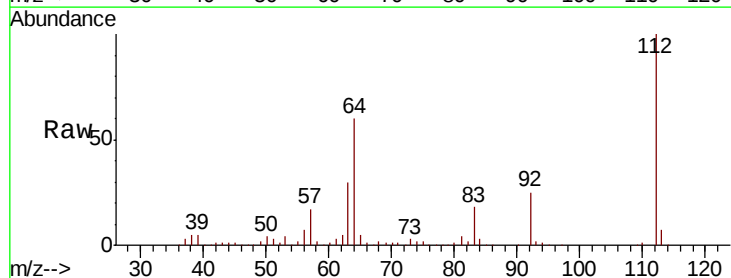
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



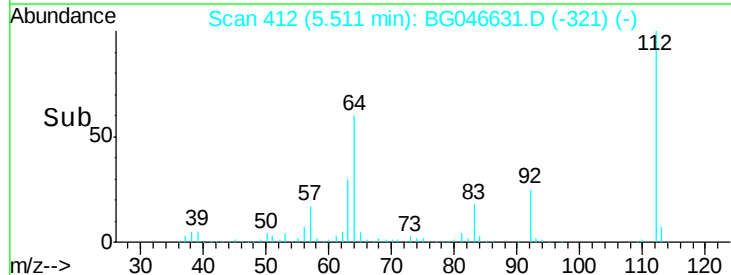
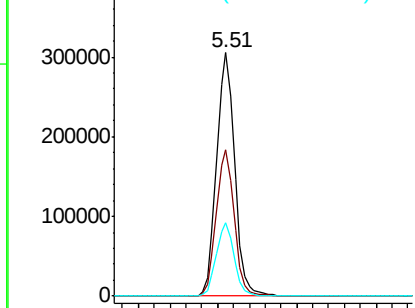
#5

2-Fluorophenol  
Concen: 113.142 ng  
RT: 5.51 min Scan# 412  
Delta R.T. 0.01 min  
Lab File: BG046631.D  
Acq: 15 Sep 2020 19:28

Tgt Ion:112 Resp: 484408  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.0 70.6  
63 30.2 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: 94.917 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Instrument :

BNA\_G

ClientSampleId :

22-31

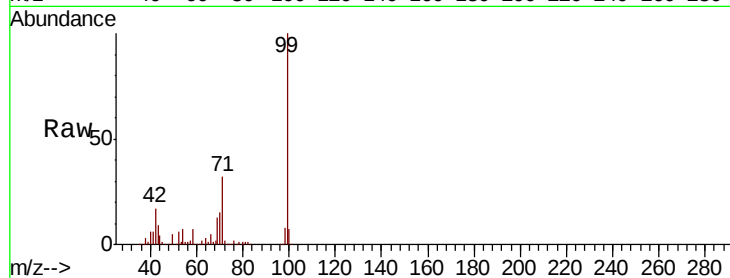
Tot Ion: 99 Resp: 576084

Ion Ratio Lower Upper

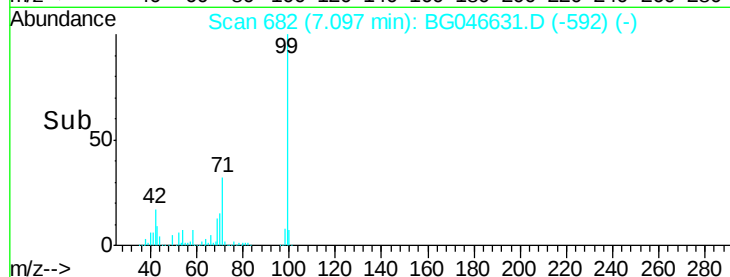
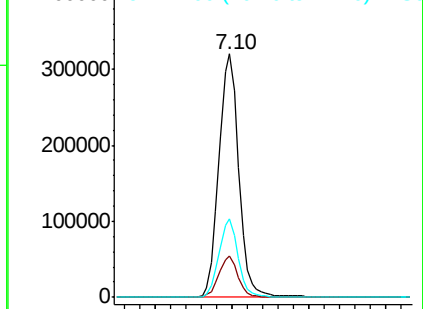
99 100

42 16.8 13.3 19.9

71 32.2 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: BG046631.D

Acq: 15 Sep 2020 19:28

Tgt Ion: 136 Resp: 312932

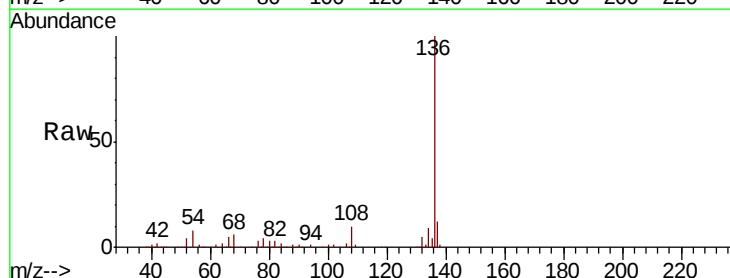
Ion Ratio Lower Upper

136 100

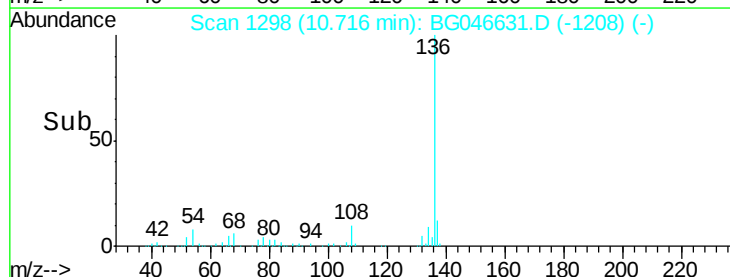
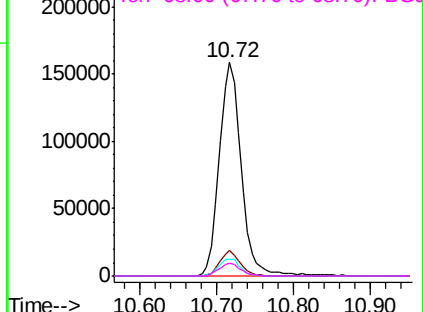
137 12.1 8.8 13.2

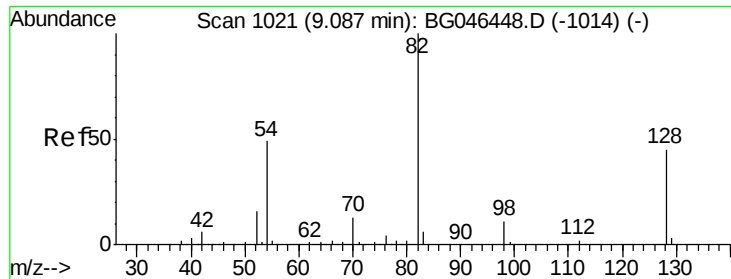
54 8.0 6.1 9.1

68 5.7 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

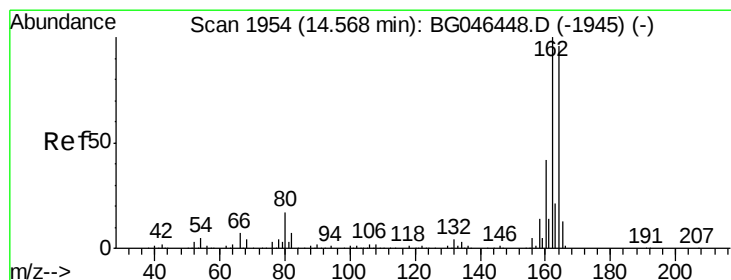
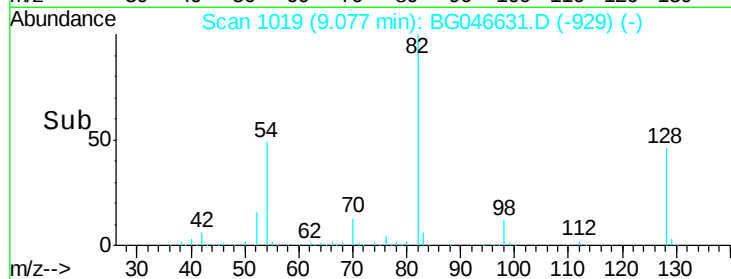
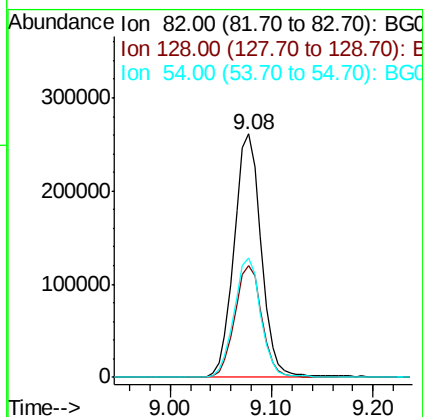
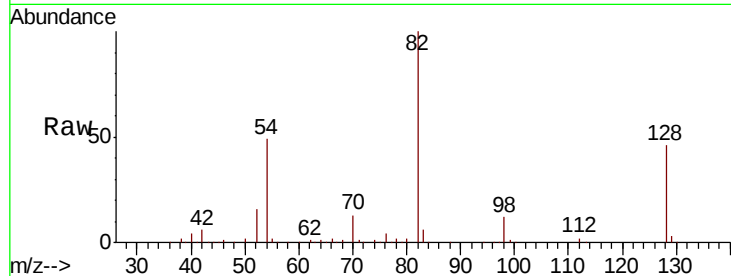




#23  
Nitrobenzene-d5  
Concen: 88.712 ng  
RT: 9.08 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BG046631.D  
Acq: 15 Sep 2020 19:28

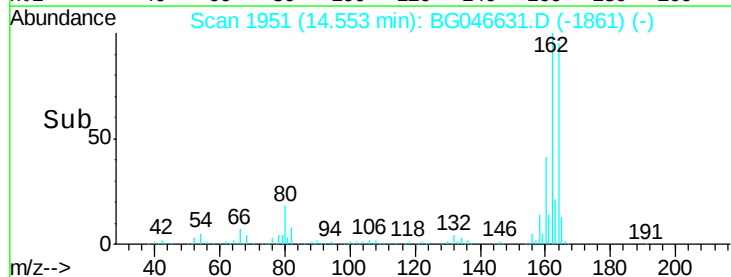
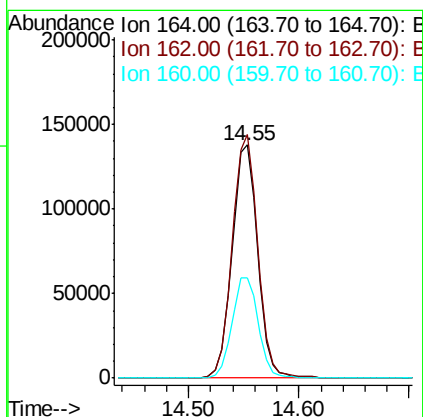
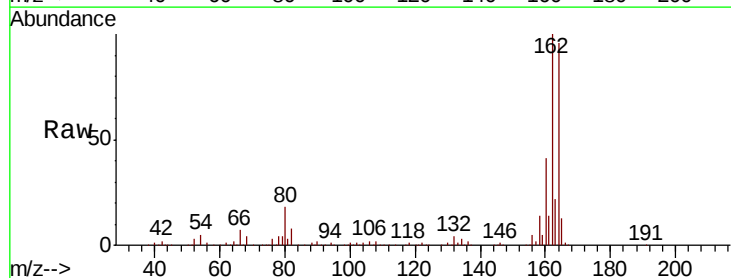
Instrument :  
BNA\_G  
ClientSampleId :  
22-31

| Tot Ion   | 82   | Resp  | 485709 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.9 | 35.7  | 53.5   |
| 54        | 49.0 | 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: BG046631.D  
Acq: 15 Sep 2020 19:28

| Tgt Ion                                              | 164   | Resp  | 225064 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 104.6 | 83.3  | 124.9  |
| 160                                                  | 43.3  | 35.0  | 52.6   |

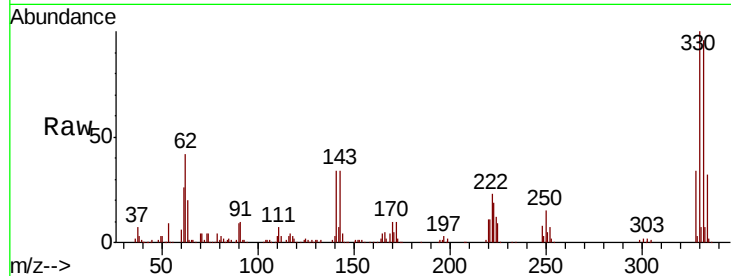




#42  
 2,4,6-Tribromophenol  
 Concen: 102.445 ng  
 RT: 16.04 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: BG046631.D  
 Acq: 15 Sep 2020 19:28

Instrument :  
 BNA\_G  
 ClientSampled :  
 22-31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 76.1  | 114.1 |
| 141     | 33.4  | 26.1  | 39.1  |

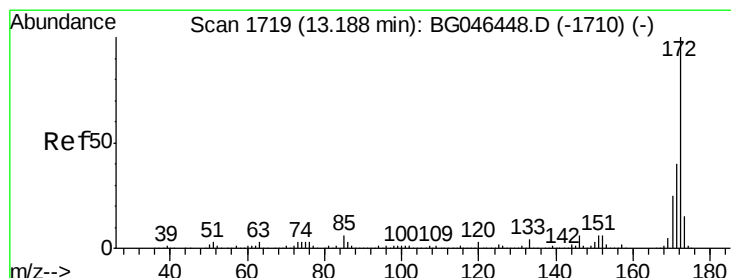
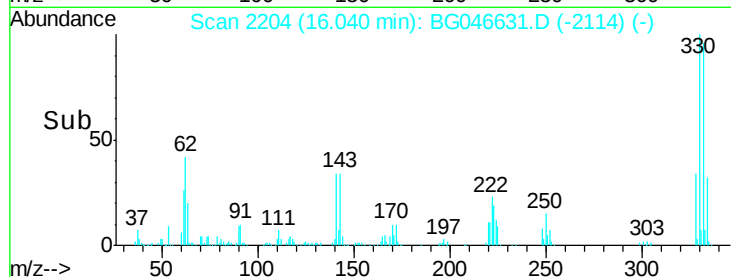
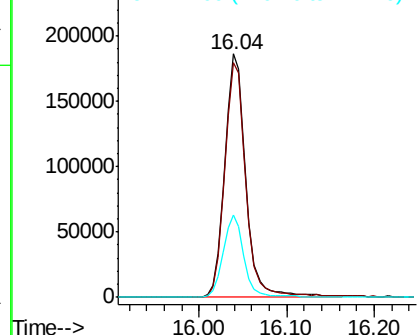


Abundance

Ion 329.80 (329.50 to 330.50): E

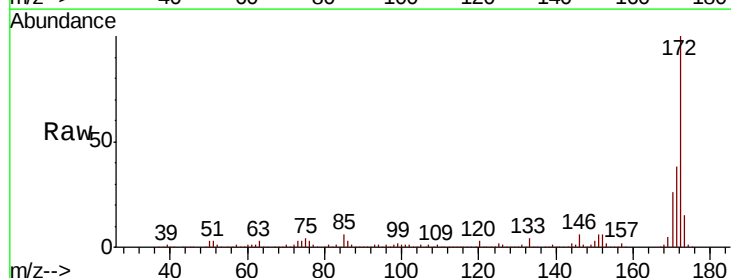
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.971 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG046631.D  
 Acq: 15 Sep 2020 19:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 31.8  | 47.6  |
| 170     | 25.5  | 20.3  | 30.5  |

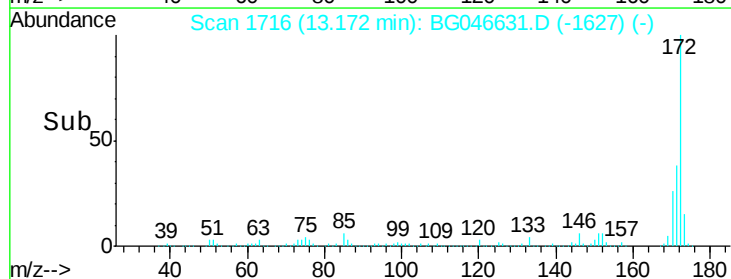
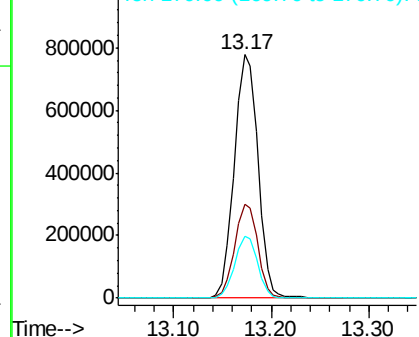


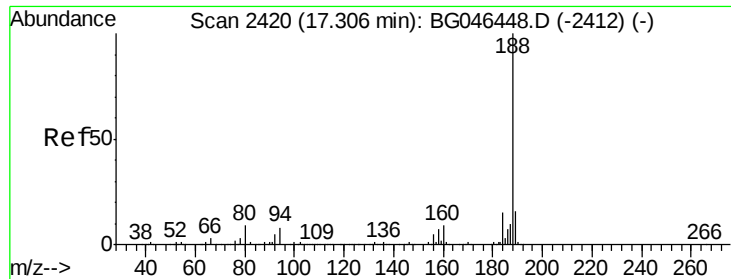
Abundance

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

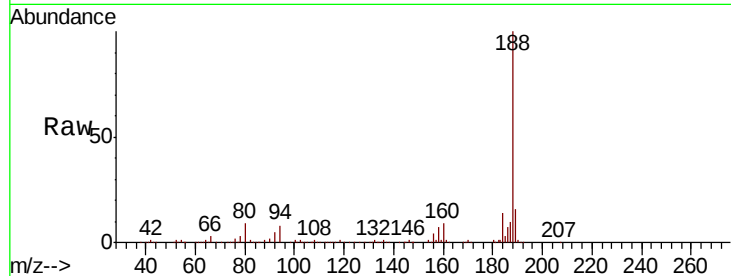




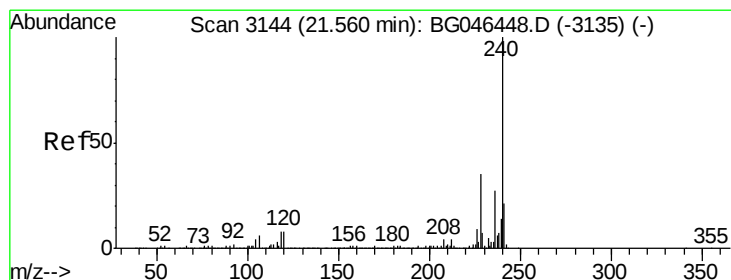
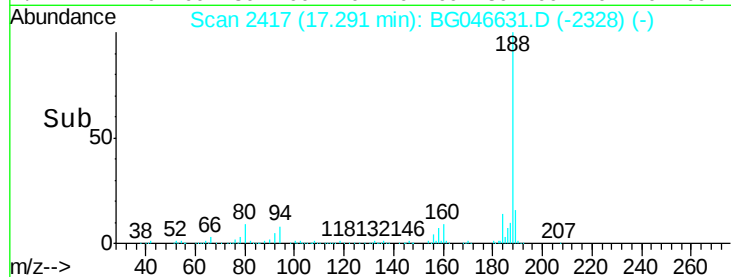
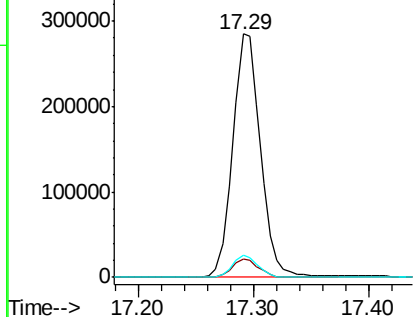
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 2417  
Delta R.T. -0.01 min  
Lab File: BG046631.D  
Acq: 15 Sep 2020 19:28

Instrument :  
BNA\_G  
ClientSampleId :  
22-31

Tot Ion:188 Resp: 472654  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.3 9.5  
80 9.1 6.9 10.3

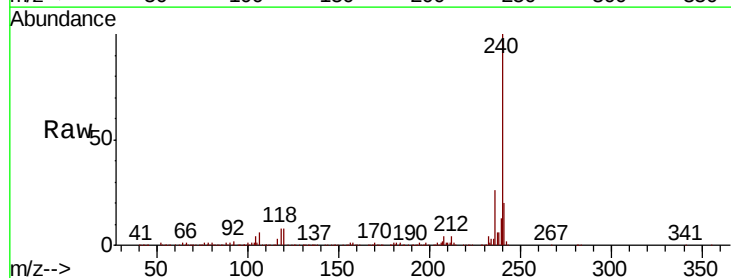


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

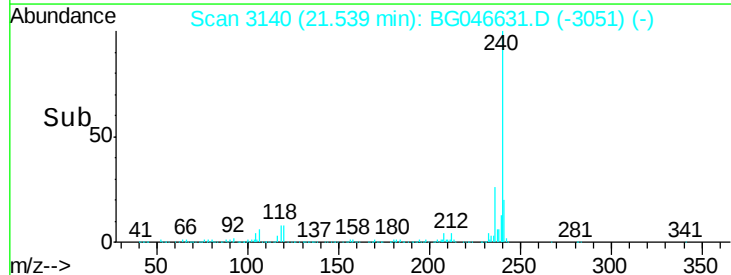
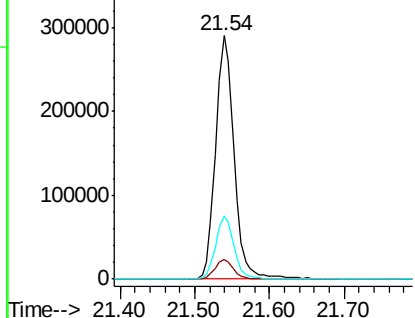


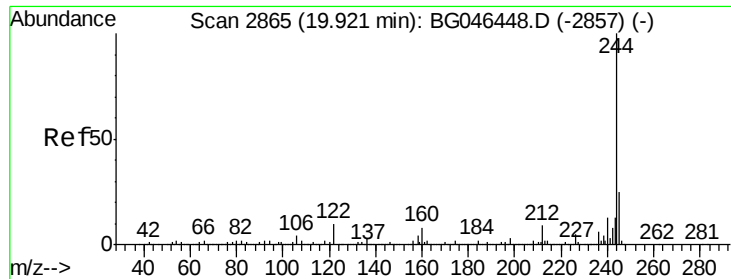
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.54 min Scan# 3140  
Delta R.T. -0.01 min  
Lab File: BG046631.D  
Acq: 15 Sep 2020 19:28

Tgt Ion:240 Resp: 498274  
Ion Ratio Lower Upper  
240 100  
120 8.1 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: 76.375 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Instrument :

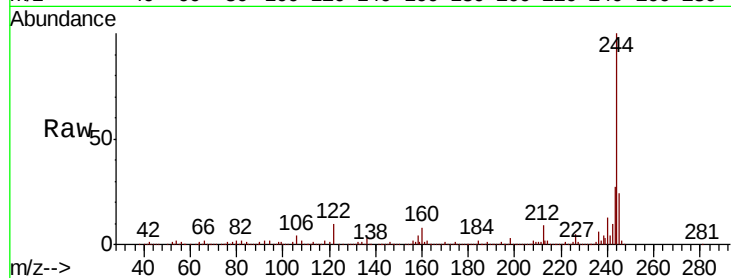
BNA\_G

ClientSampleId :

22-31

Tot Ion:244 Resp: 1788178

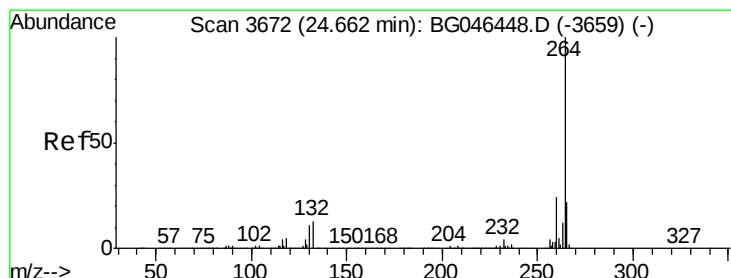
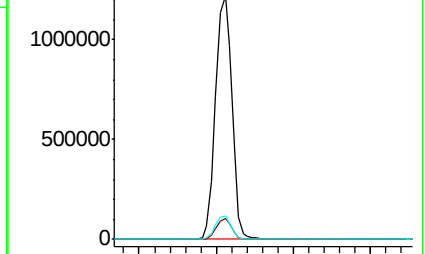
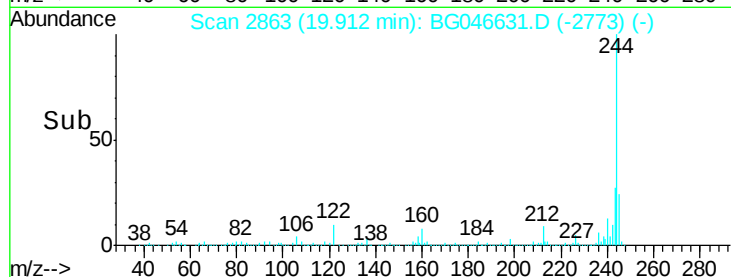
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.7   | 6.9   | 10.3  |
| 122 | 9.6   | 8.2   | 12.4  |



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# 3667

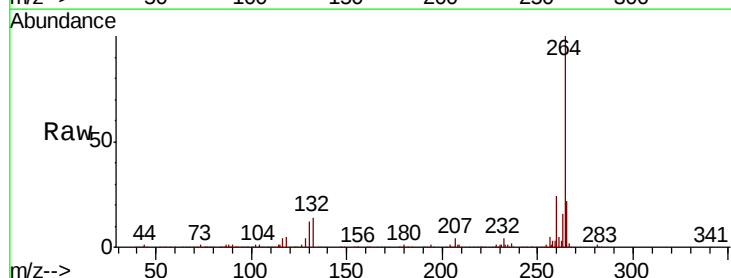
Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Tgt Ion:264 Resp: 485212

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.2  | 28.8  |
| 265 | 21.7  | 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

