

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\  
 Data File : BG043360.D  
 Acq On : 28 Oct 2019 21:30  
 Operator : JU  
 Sample : K5539-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 161-16-(0-1)

Quant Time: Oct 29 13:41:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

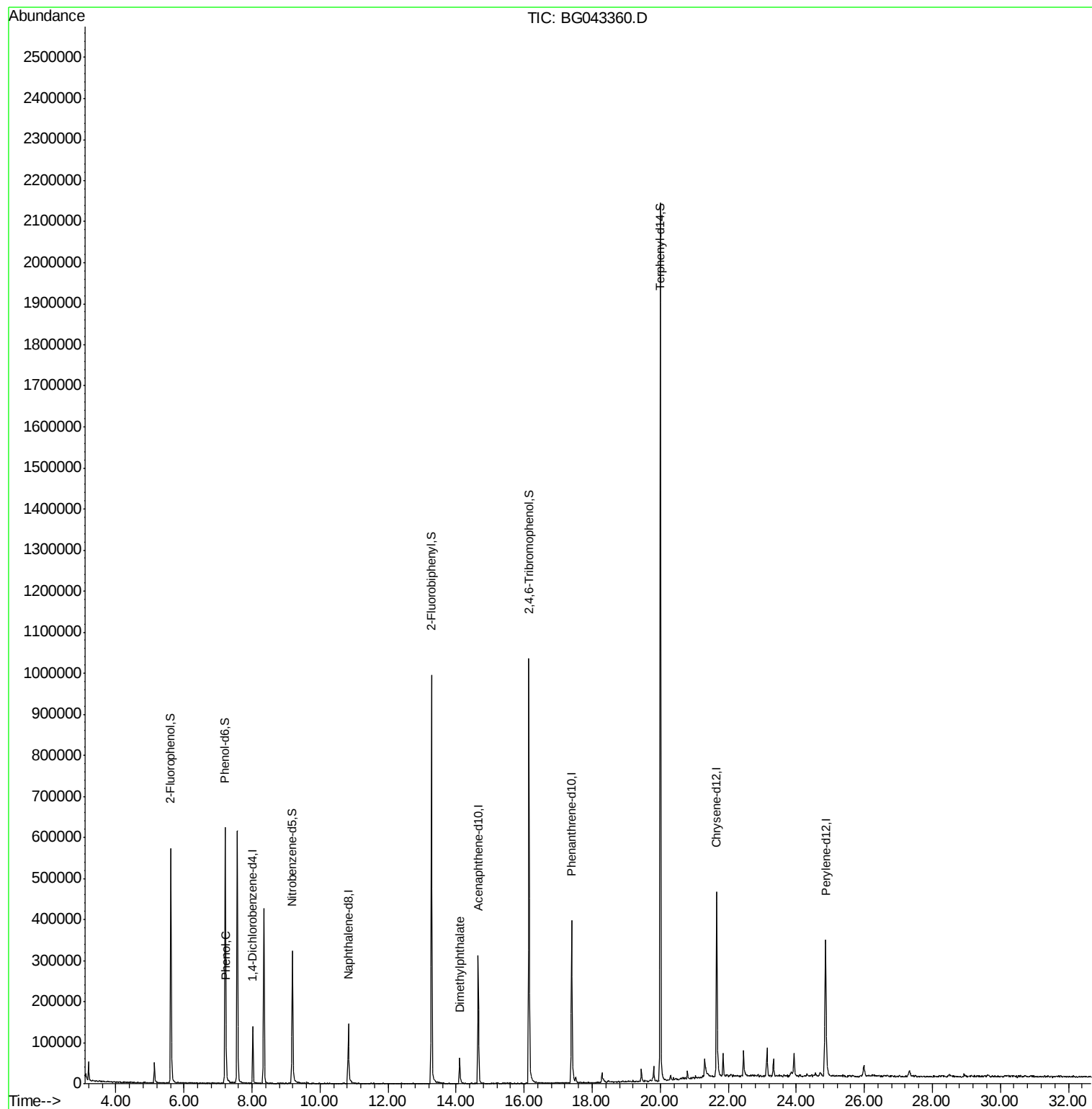
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 42899    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 155230   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 116888   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.39 | 188  | 284977   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.66 | 240  | 310618   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.86 | 264  | 367425   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 267702   | 114.35 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 389379   | 115.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 225104   | 74.76  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 264512   | 118.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.27 | 172  | 596062   | 70.46  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 1187896  | 71.75  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.24  | 94   | 10744    | 3.491  | ng    | 82       |
| 50) Dimethylphthalate       | 14.10 | 163  | 57319    | 6.331  | ng    | 99       |

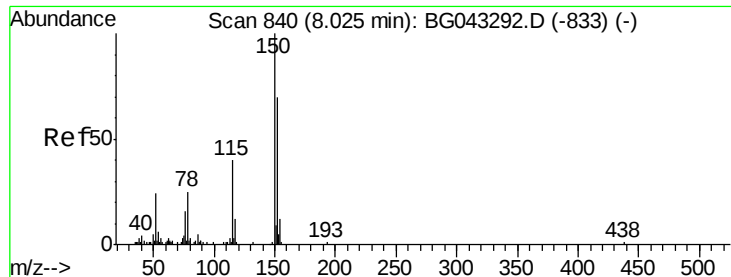
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
161-16-(0-1)

Quant Time: Oct 29 13:41:00 2019  
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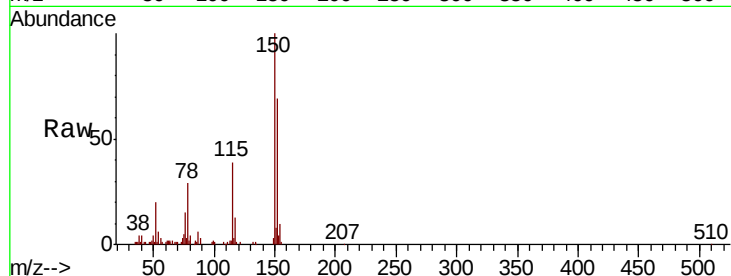


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
161-16-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.7 | 113.6 | 170.4 |
| 115     | 57.3  | 45.9  | 68.9  |

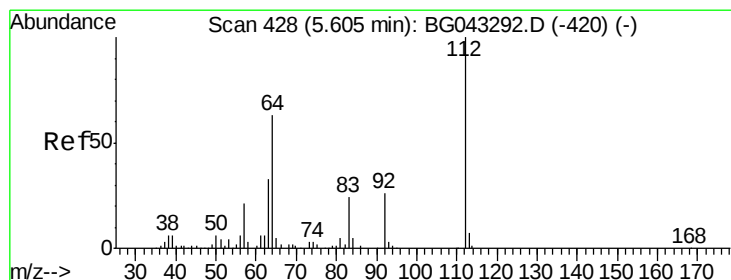
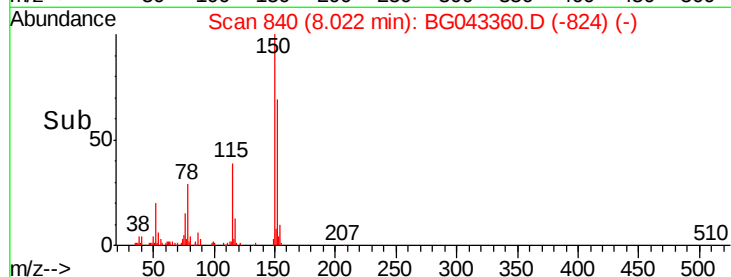
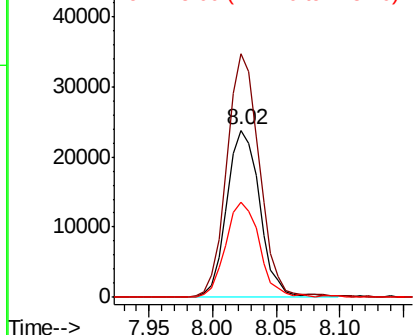


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

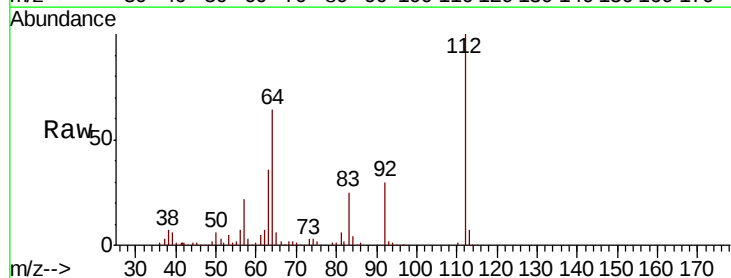
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 114.350 ng  
RT: 5.61 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.8  | 50.2  | 75.2  |
| 63      | 36.1  | 26.7  | 40.1  |

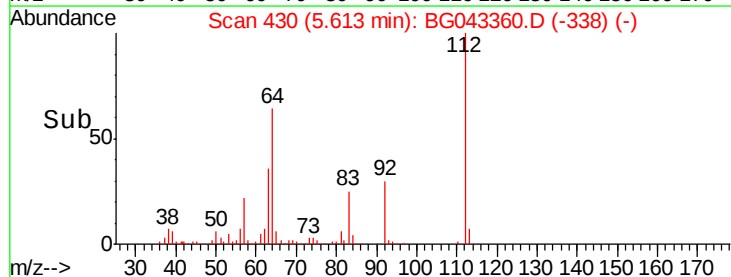
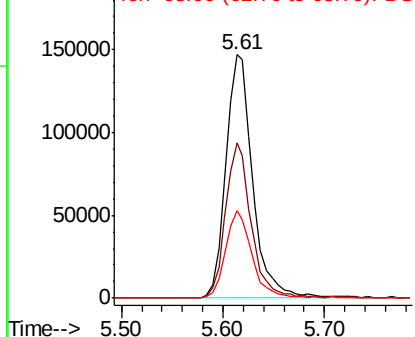


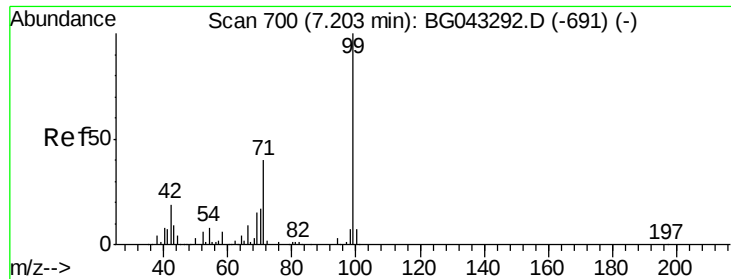
Abundance

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: 115.602 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Instrument :

BNA\_G

ClientSampleId :

161-16-(0-1)

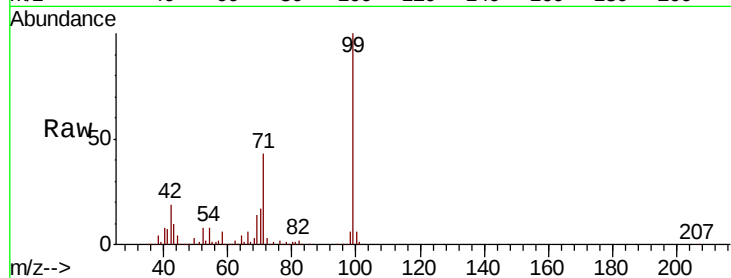
Tot Ion: 99 Resp: 389379

Ion Ratio Lower Upper

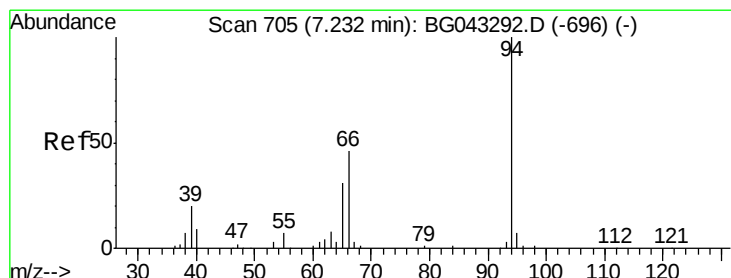
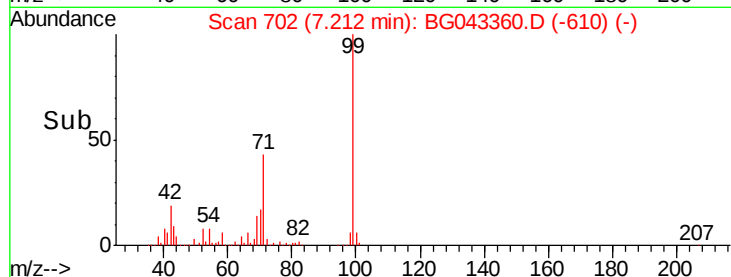
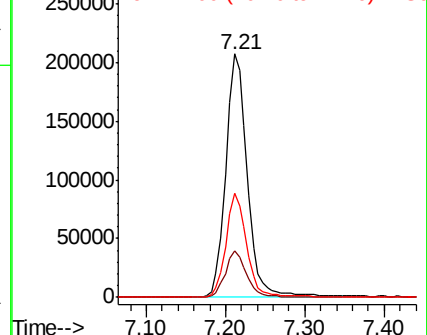
99 100

42 19.0 14.9 22.3

71 42.9 32.2 48.2



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



#10

Phenol

Concen: 3.491 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

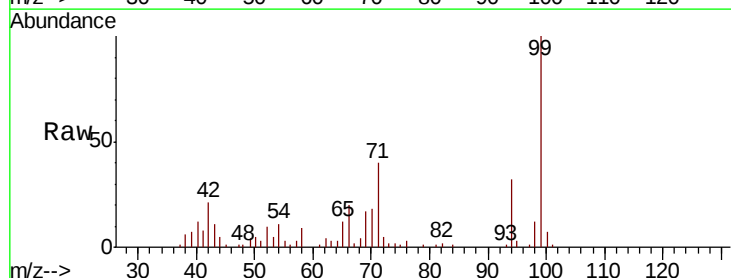
Tgt Ion: 94 Resp: 10744

Ion Ratio Lower Upper

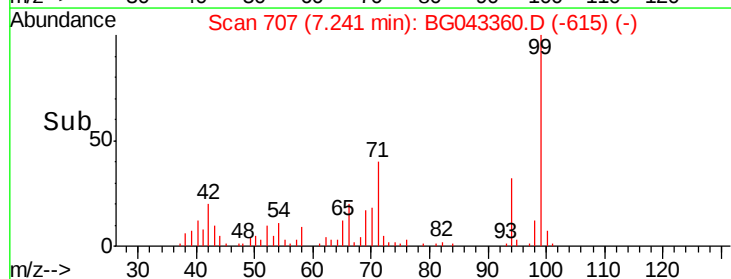
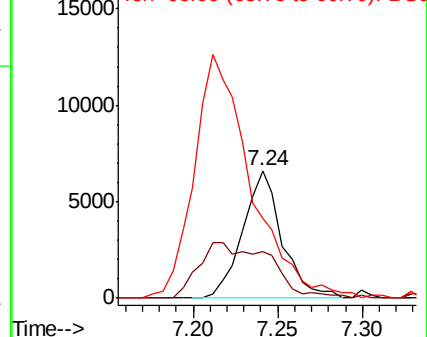
94 100

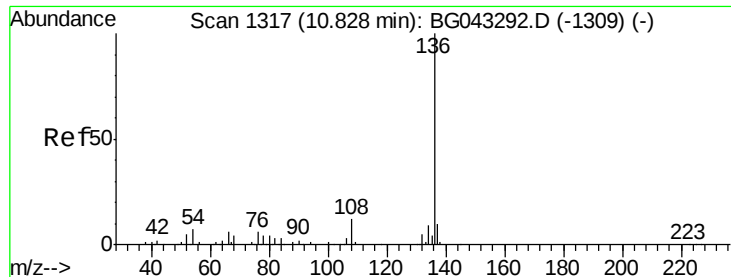
65 36.8 11.1 51.1

66 63.0 27.8 67.8



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

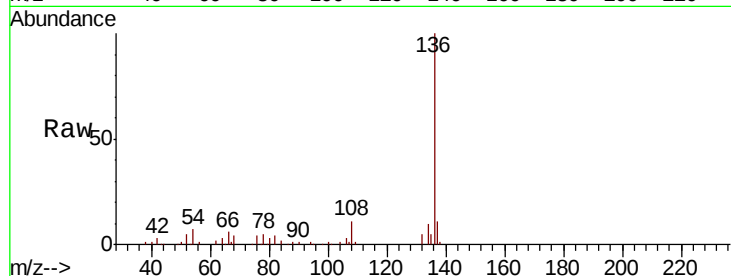




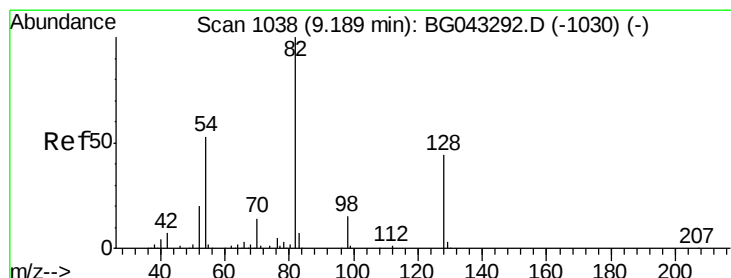
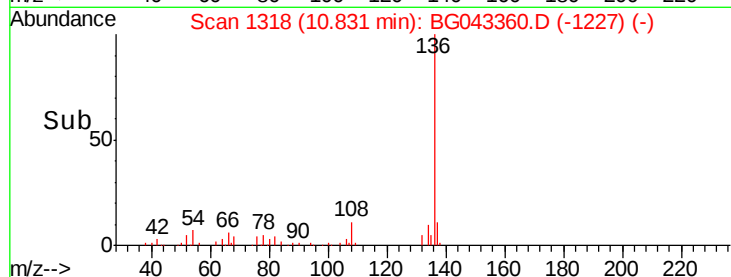
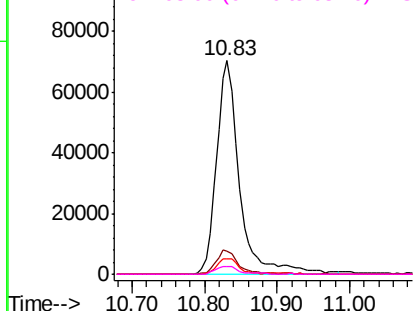
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
161-16-(0-1)

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 155230 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.5    | 8.2   | 12.2   |
| 54 7.2      | 5.4   | 8.2    |
| 68 3.6      | 3.3   | 4.9    |

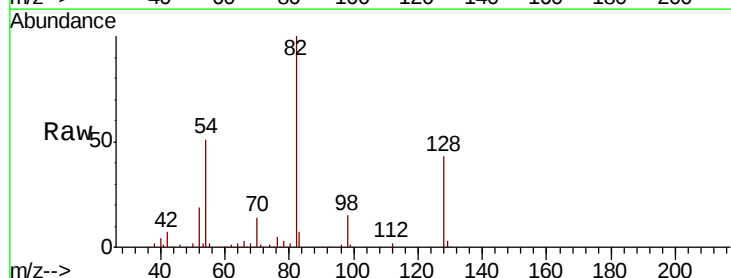


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

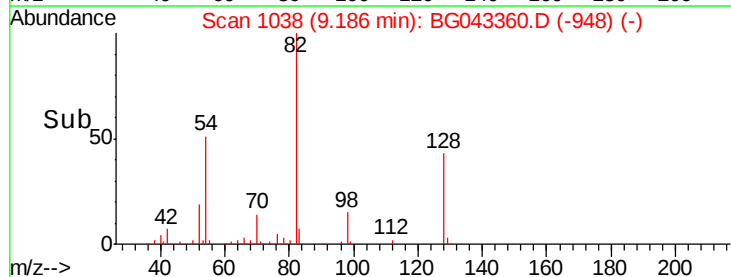
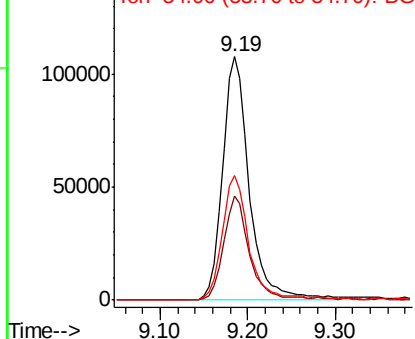


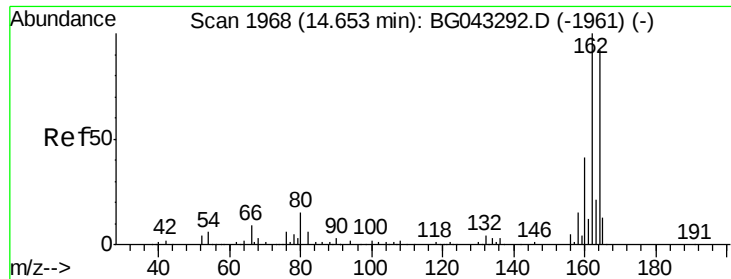
#23  
Nitrobenzene-d5  
Concen: 74.761 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 225104 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 42.7    | 35.3 52.9    |
| 54 51.2     | 42.3 63.5    |



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

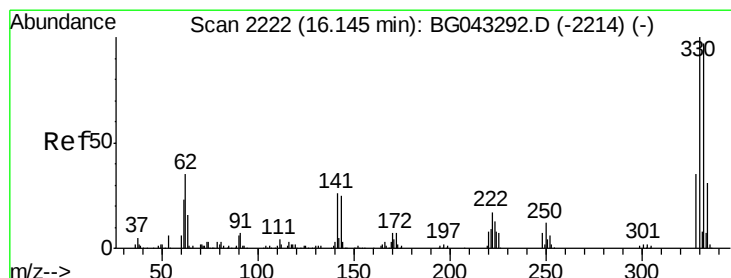
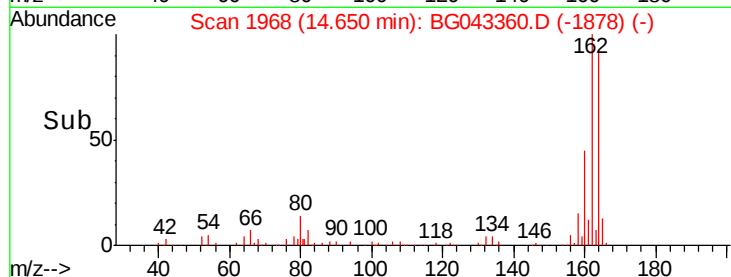
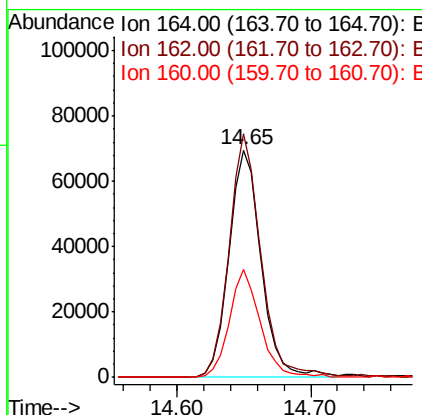
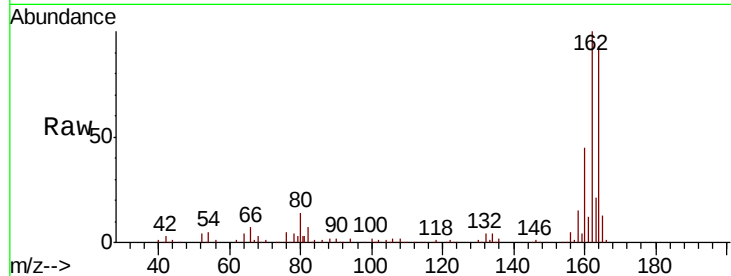




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: BG043360.D  
 Acq: 28 Oct 2019 21:30

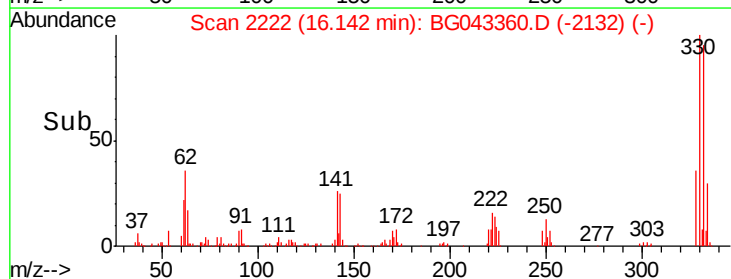
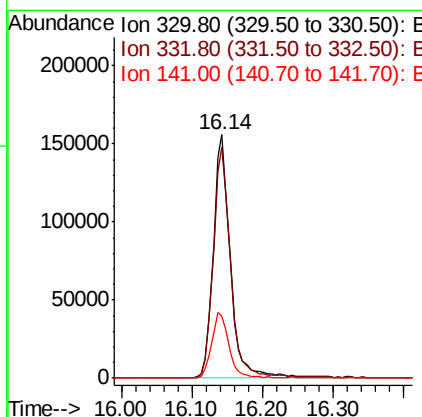
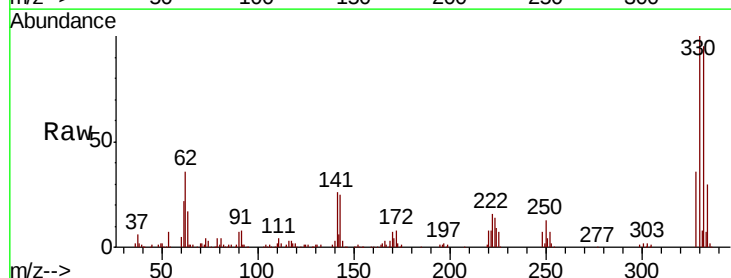
Instrument :  
 BNA\_G  
 ClientSampleId :  
 161-16-(0-1)

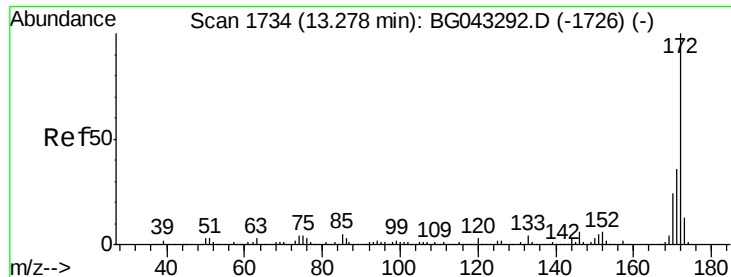
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.2 | 87.0  | 130.4 |
| 160     | 47.7  | 35.5  | 53.3  |



#42  
 2,4,6-Tribromophenol  
 Concen: 118.915 ng  
 RT: 16.14 min Scan# 2222  
 Delta R.T. -0.00 min  
 Lab File: BG043360.D  
 Acq: 28 Oct 2019 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 76.4  | 114.6 |
| 141     | 26.7  | 21.4  | 32.0  |

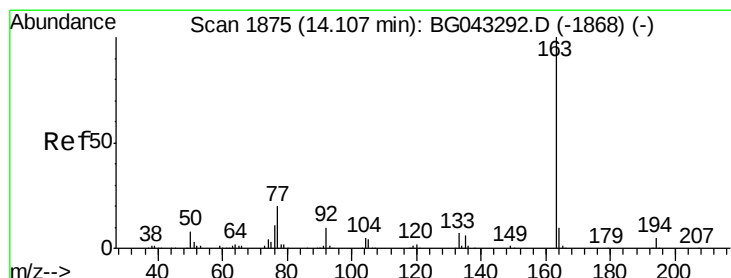
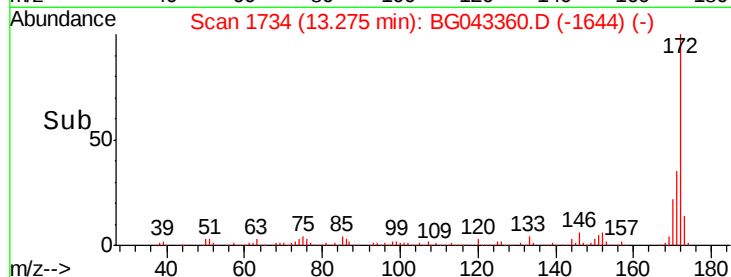
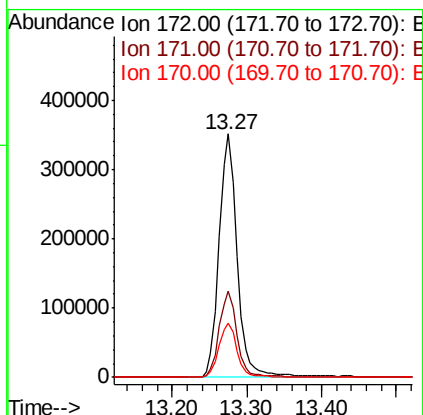
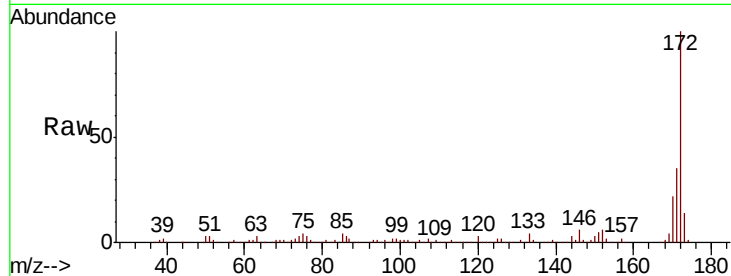




#45  
2-Fluorobiphenyl  
Concen: 70.464 ng  
RT: 13.27 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

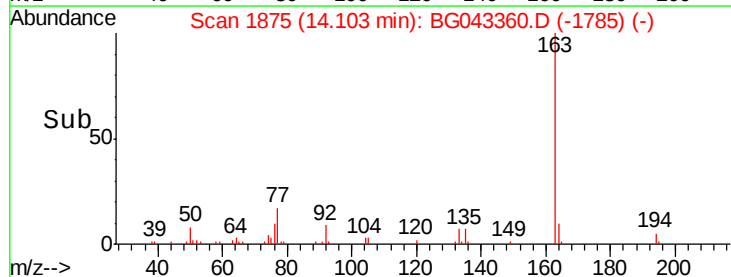
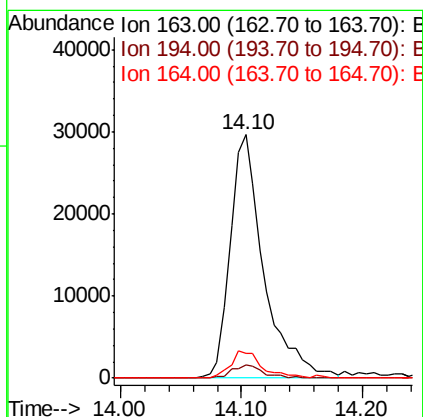
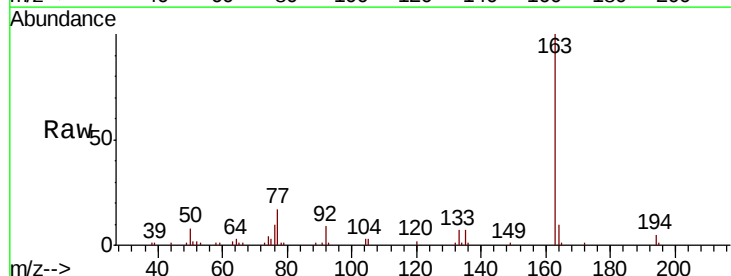
Instrument :  
BNA\_G  
ClientSampleId :  
161-16-(0-1)

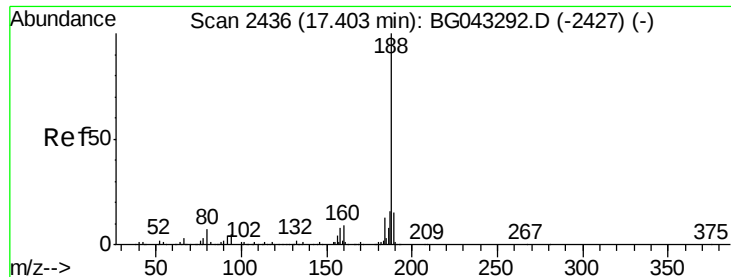
Tot Ion:172 Resp: 596062  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 22.4 18.8 28.2



#50  
Dimethylphthalate  
Concen: 6.331 ng  
RT: 14.10 min Scan# 1875  
Delta R.T. -0.00 min  
Lab File: BG043360.D  
Acq: 28 Oct 2019 21:30

Tgt Ion:163 Resp: 57319  
Ion Ratio Lower Upper  
163 100  
194 5.2 3.7 5.5  
164 10.1 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Instrument :

BNA\_G

ClientSampleId :

161-16-(0-1)

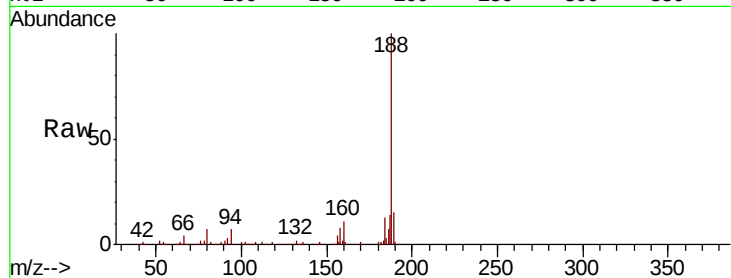
Tot Ion:188 Resp: 284977

Ion Ratio Lower Upper

188 100

94 6.7 4.2 6.2#

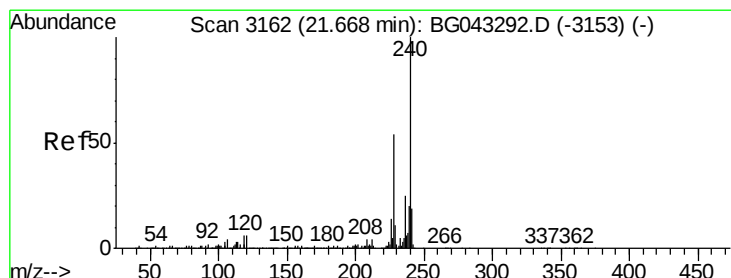
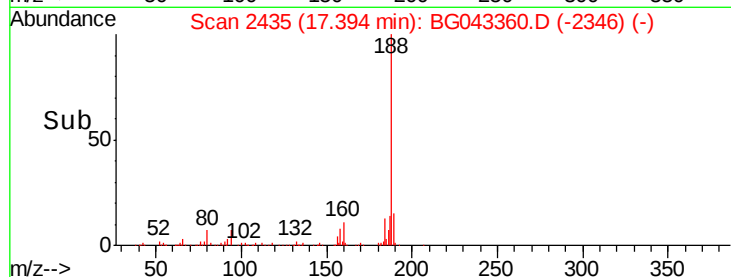
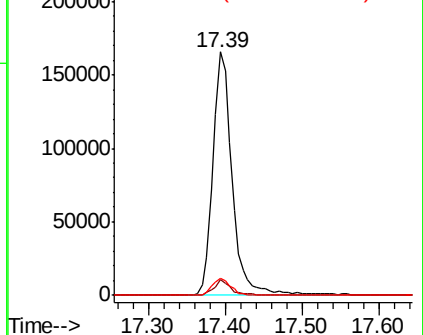
80 7.0 5.2 7.8



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

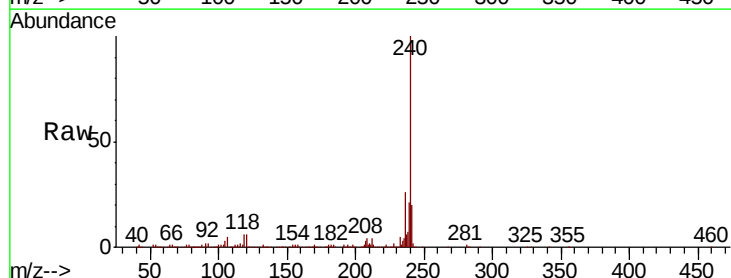
Tgt Ion:240 Resp: 310618

Ion Ratio Lower Upper

240 100

120 5.7 4.6 7.0

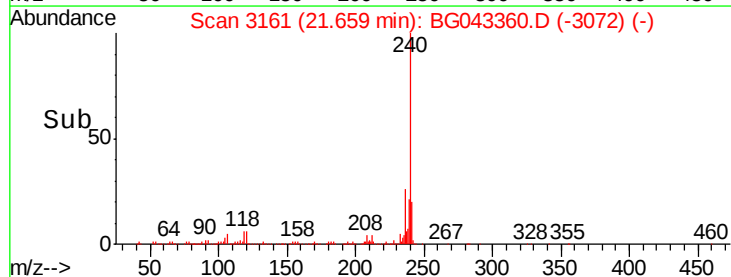
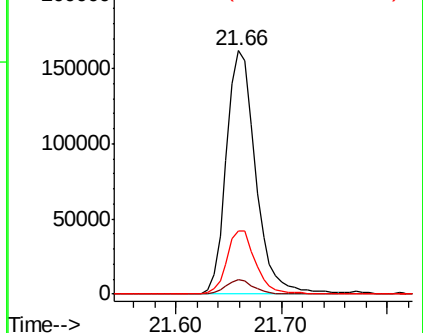
236 26.0 20.2 30.4

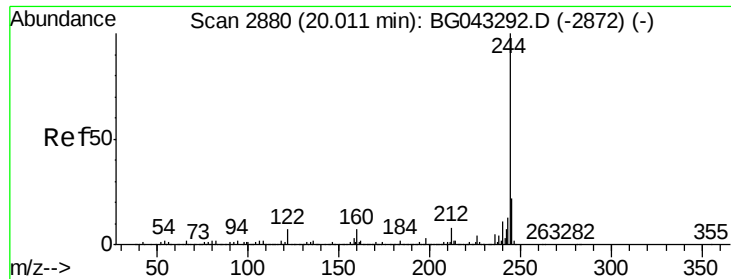


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.746 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Instrument :

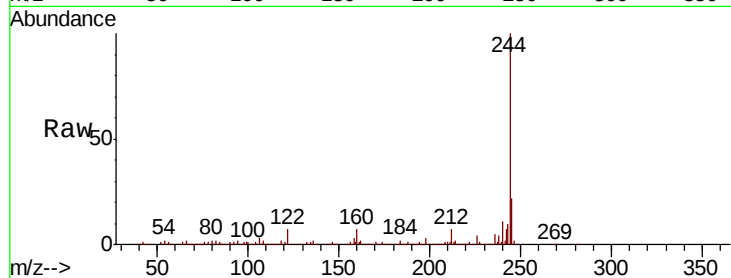
BNA\_G

ClientSampled :

161-16-(0-1)

Tot Ion:244 Resp: 1187896

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 6.4   | 9.6   |
| 122 | 7.2   | 5.3   | 7.9   |

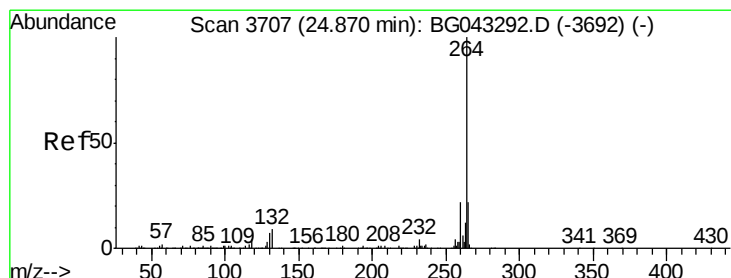
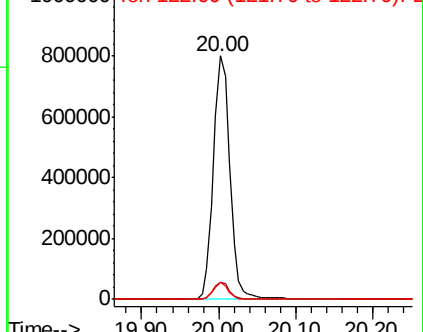
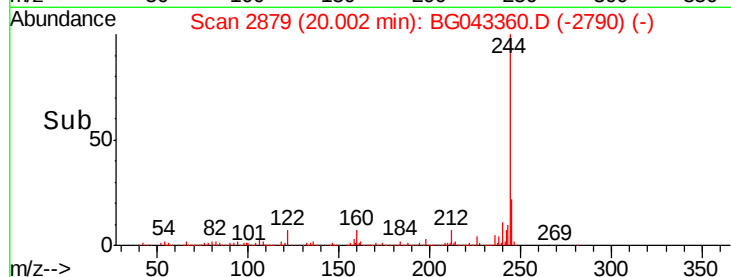


Abundance

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: 24.86 min Scan# 3705

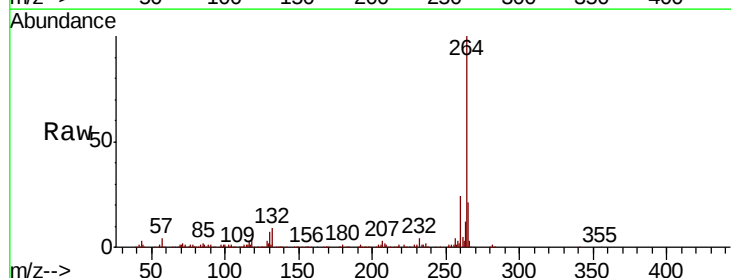
Delta R.T. -0.01 min

Lab File: BG043360.D

Acq: 28 Oct 2019 21:30

Tgt Ion:264 Resp: 367425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 17.9  | 26.9  |
| 265 | 21.3  | 17.4  | 26.2  |



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

