

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082919\  
 Data File : BG042572.D  
 Acq On : 29 Aug 2019 19:32  
 Operator : HP/JU  
 Sample : K4577-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-2

Quant Time: Aug 30 05:35:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

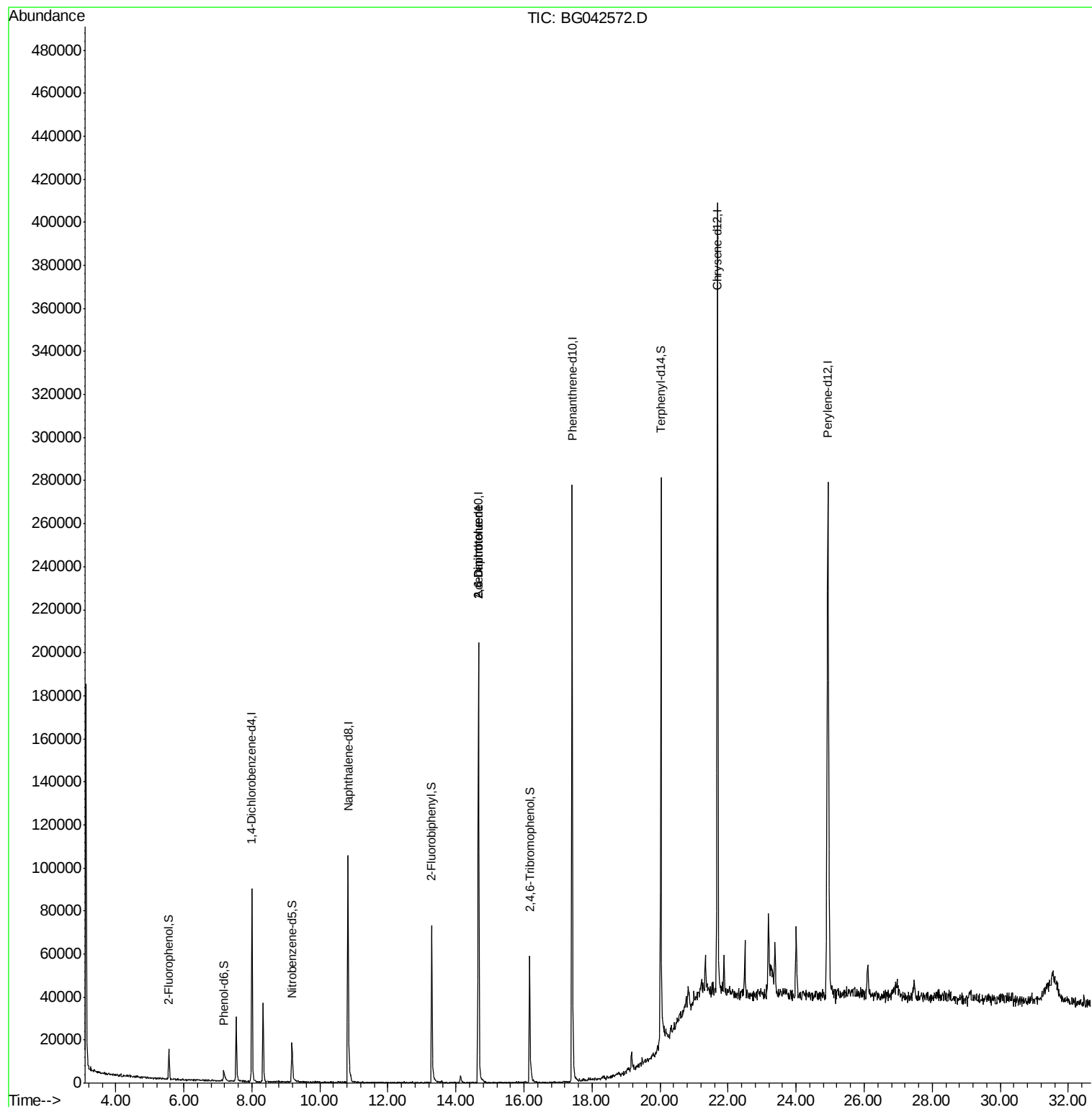
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 32105    | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.82 | 136  | 123920   | 20.00 | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.66 | 164  | 94371    | 20.00 | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.41 | 188  | 224523   | 20.00 | ng    | 0.00        |
| 76) Chrysene-d12            | 21.69 | 240  | 248482   | 20.00 | ng    | 0.00        |
| 87) Perylene-d12            | 24.93 | 264  | 293215   | 20.00 | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.56  | 112  | 8468     | 5.34  | ng    | 0.00        |
| 7) Phenol-d6                | 7.18  | 99   | 5210     | 2.43  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 16483    | 9.19  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 21035    | 15.68 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 60498    | 10.84 | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.02 | 244  | 154411   | 13.43 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 51) 2,6-Dinitrotoluene      | 14.66 | 165  | 11822    | 7.490 | ng    | Qvalue # 36 |
| 57) 2,4-Dinitrotoluene      | 14.66 | 165  | 11822    | 5.231 | ng    | # 38        |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082919\  
Data File : BG042572.D  
Acq On : 29 Aug 2019 19:32  
Operator : HP/JU  
Sample : K4577-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
GW-2

Quant Time: Aug 30 05:35:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 22 14:29:15 2019  
Response via : Initial Calibration



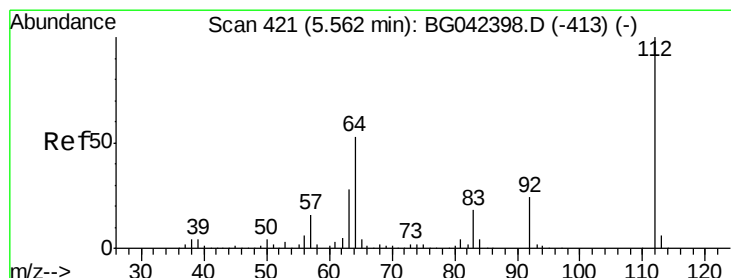
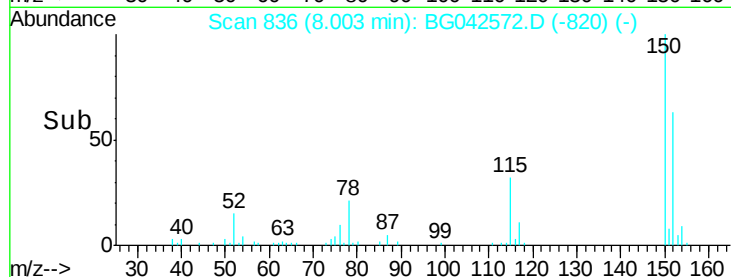
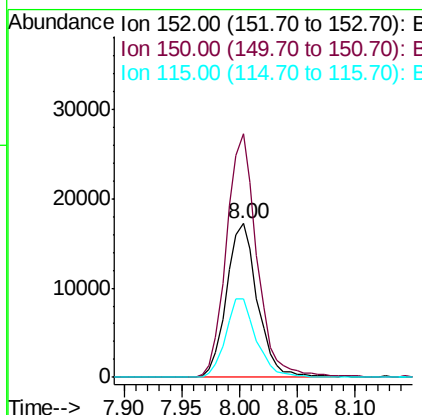
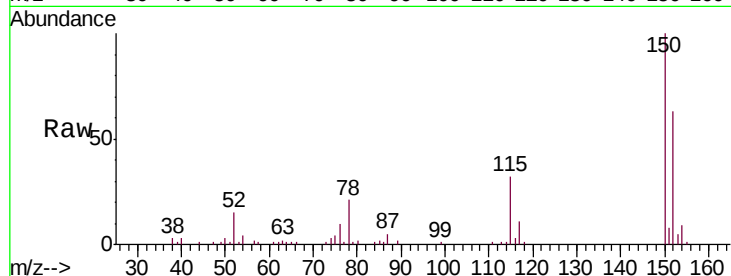


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

Instrument :  
BNA\_G  
ClientSampleId :  
GW-2

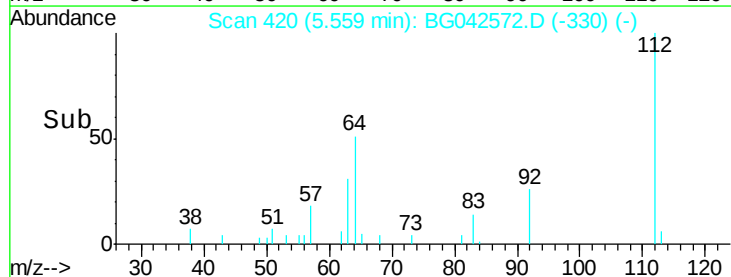
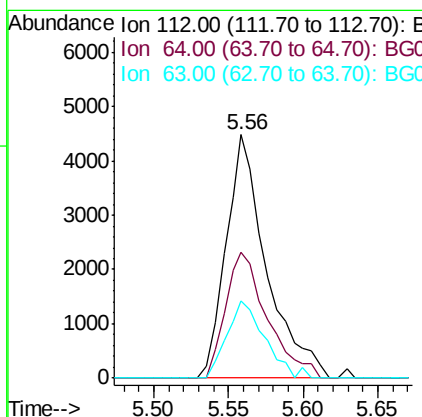
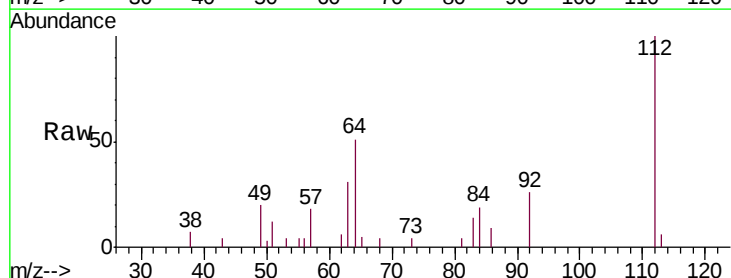
Tgt Ion:152 Resp: 32105  
Ion Ratio Lower Upper  
152 100  
150 158.7 125.4 188.0  
115 51.2 38.5 57.7

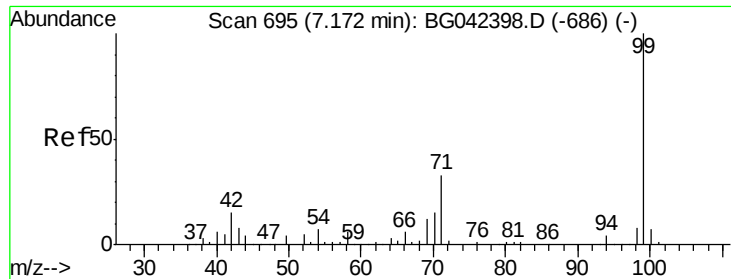


#5

2-Fluorophenol  
Concen: 5.342 ng  
RT: 5.56 min Scan# 420  
Delta R.T. -0.00 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

Tgt Ion:112 Resp: 8468  
Ion Ratio Lower Upper  
112 100  
64 51.5 42.8 64.2  
63 31.5 22.7 34.1





#7

Phenol-d6

Concen: 2.433 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042572.D

Acq: 29 Aug 2019 19:32

Instrument :

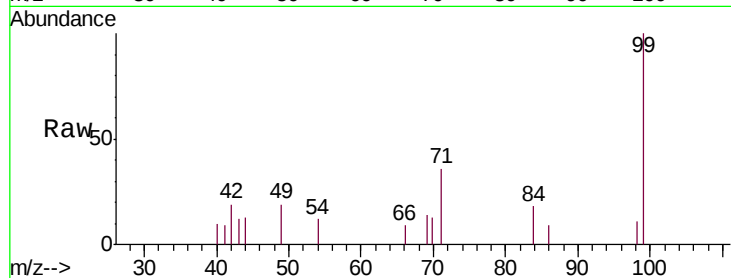
BNA\_G

ClientSampleId :

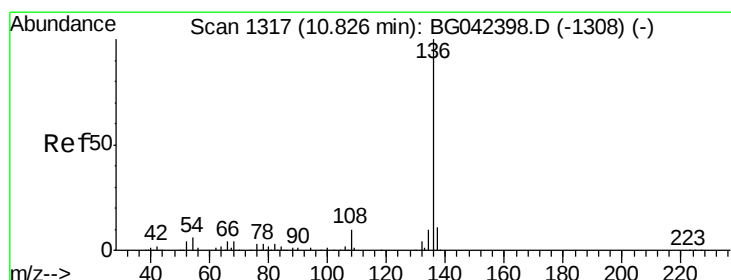
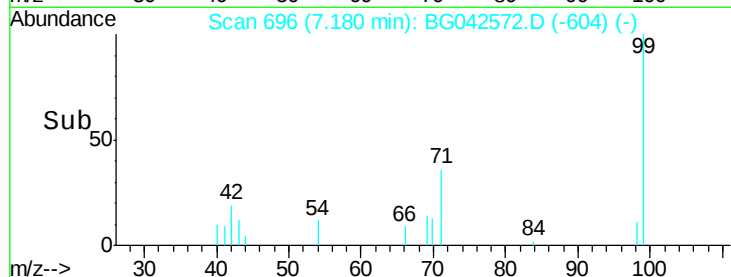
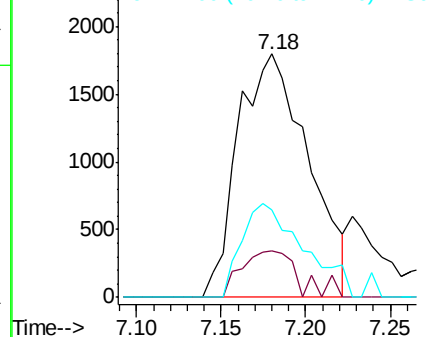
GW-2

Tgt Ion: 99 Resp: 5210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.9  | 12.0  | 18.0# |
| 71  | 35.7  | 26.3  | 39.5  |



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: 10.82 min Scan# 1316

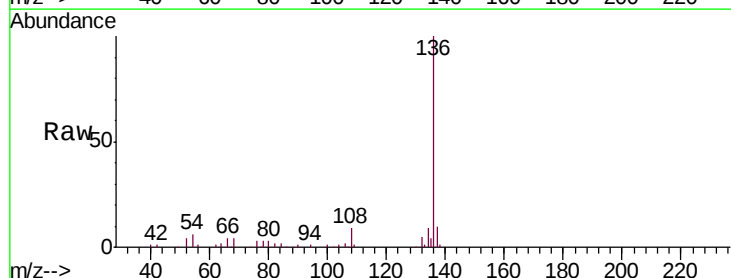
Delta R.T. -0.00 min

Lab File: BG042572.D

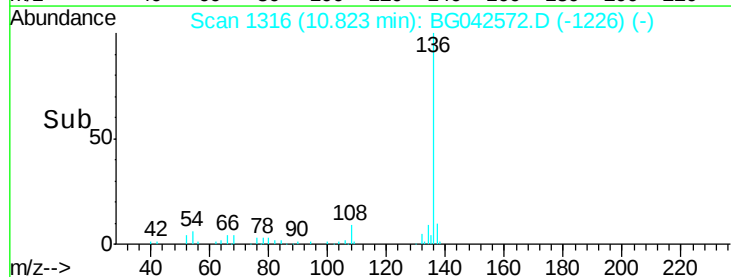
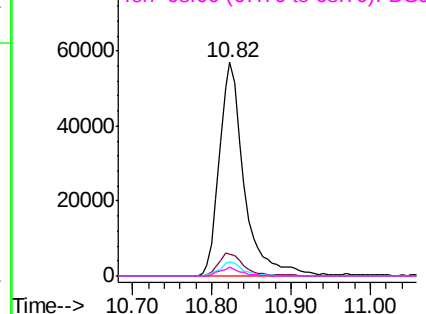
Acq: 29 Aug 2019 19:32

Tgt Ion: 136 Resp: 123920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.2  | 8.7   | 13.1  |
| 54  | 6.4   | 4.9   | 7.3   |
| 68  | 4.0   | 3.6   | 5.4   |



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

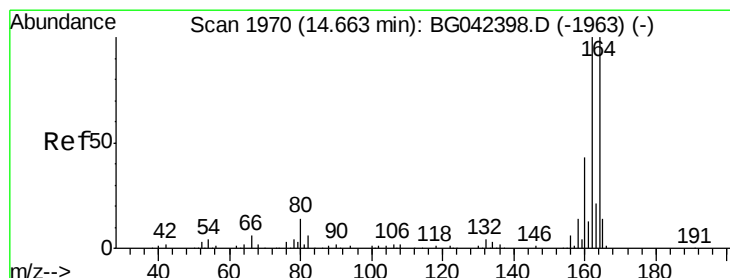
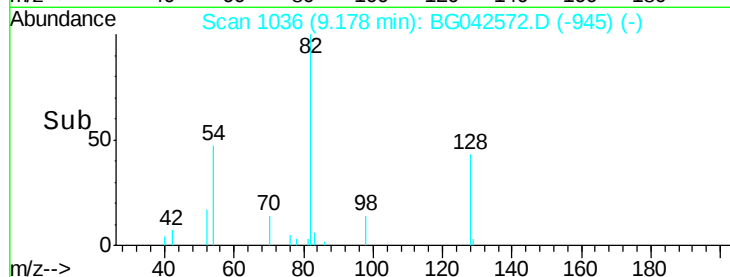
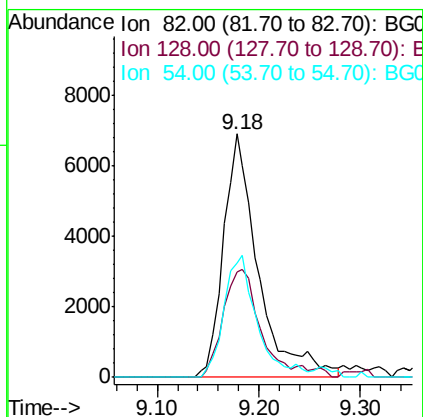
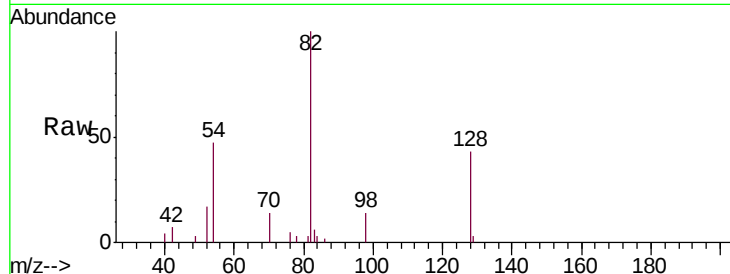




#23  
Nitrobenzene-d5  
Concen: 9.192 ng  
RT: 9.18 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

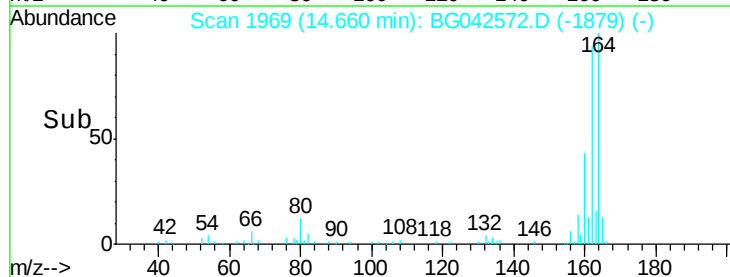
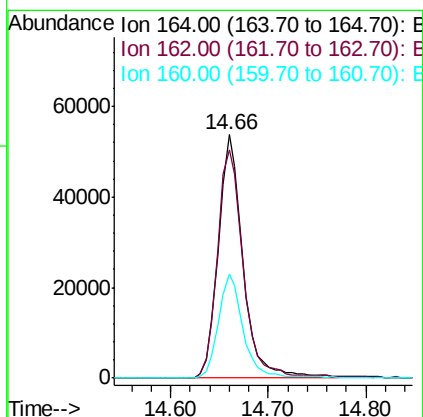
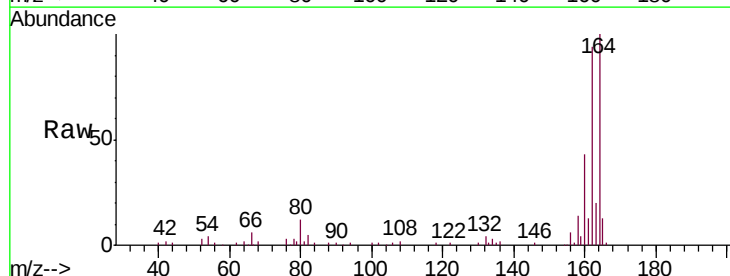
Instrument :  
BNA\_G  
ClientSampled :  
GW-2

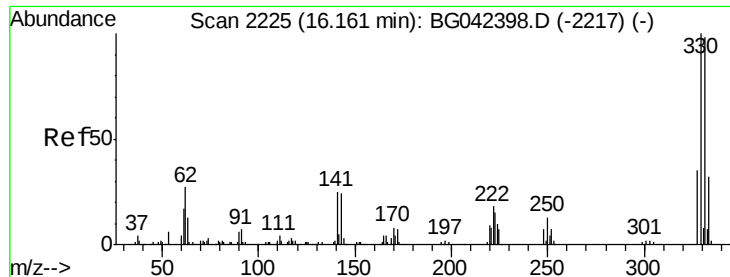
Tgt Ion: 82 Resp: 16483  
Ion Ratio Lower Upper  
82 100  
128 43.2 40.7 61.1  
54 47.0 36.3 54.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

Tgt Ion: 164 Resp: 94371  
Ion Ratio Lower Upper  
164 100  
162 93.9 79.9 119.9  
160 42.6 34.3 51.5

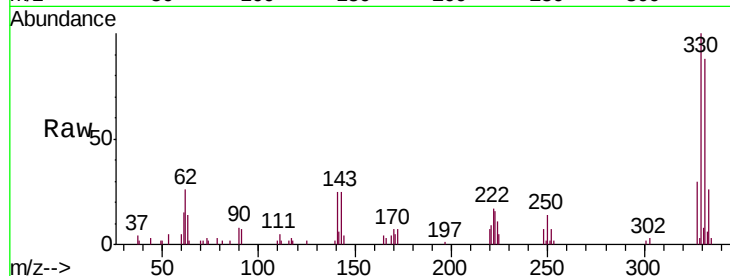




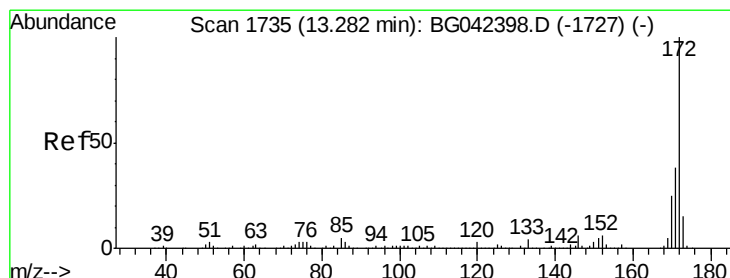
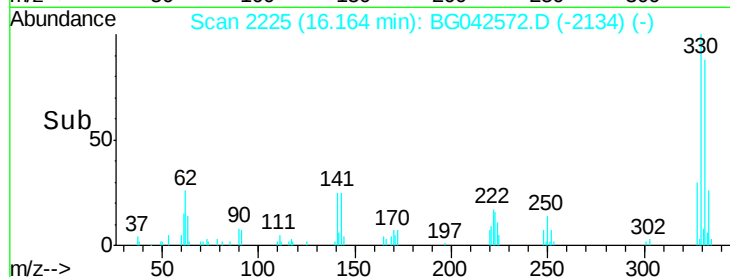
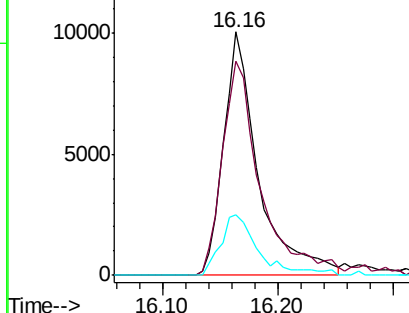
#42  
 2,4,6-Tribromophenol  
 Concen: 15.682 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. 0.00 min  
 Lab File: BG042572.D  
 Acq: 29 Aug 2019 19:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.4  | 116.0 |
| 141     | 27.3  | 21.4  | 32.0  |

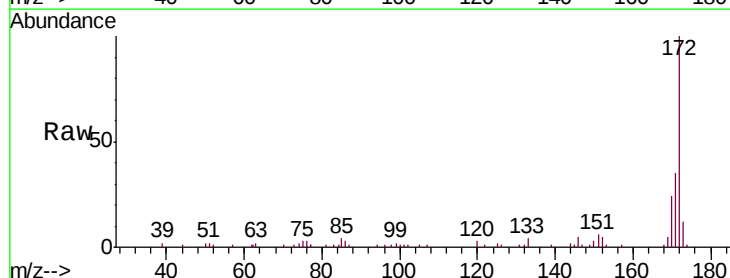


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

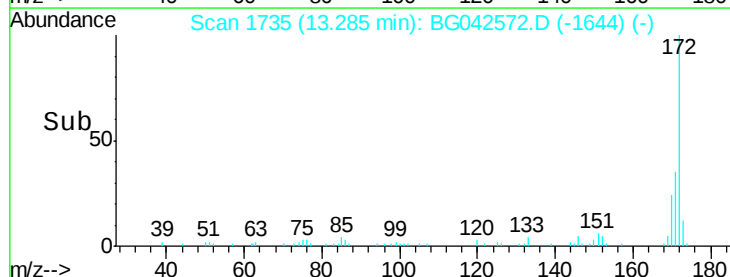
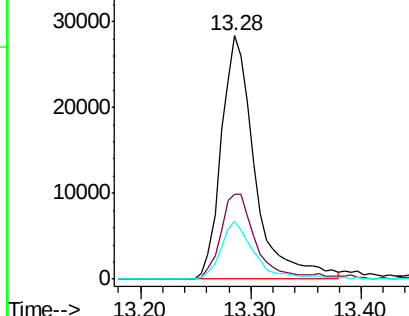


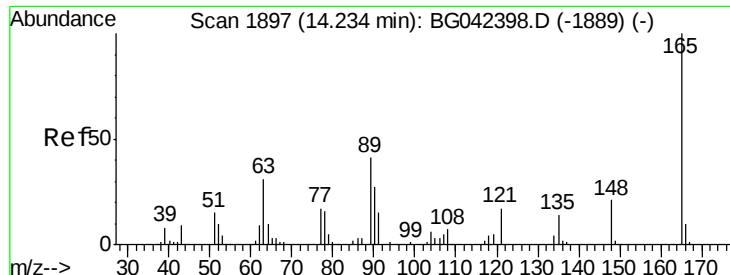
#45  
 2-Fluorobiphenyl  
 Concen: 10.842 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. 0.00 min  
 Lab File: BG042572.D  
 Acq: 29 Aug 2019 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 30.5  | 45.7  |
| 170     | 23.9  | 20.2  | 30.2  |



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

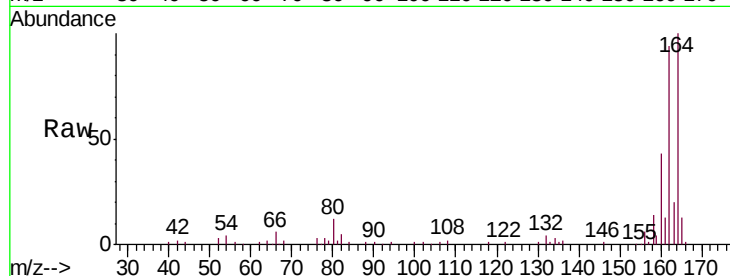




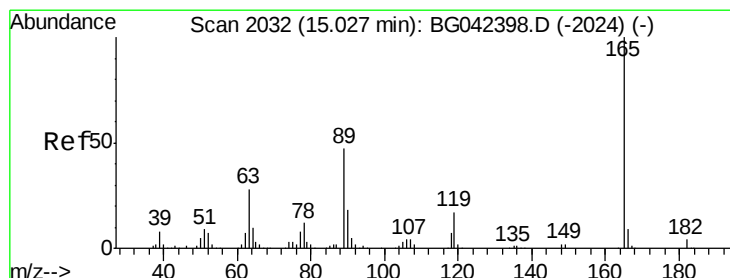
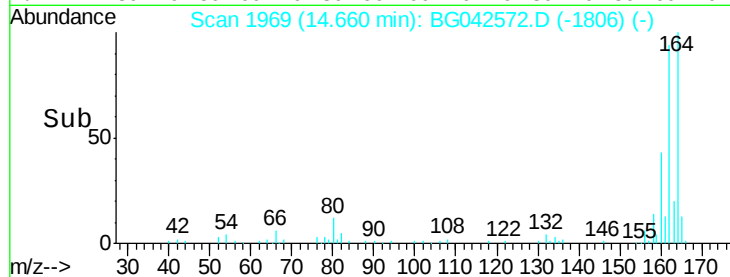
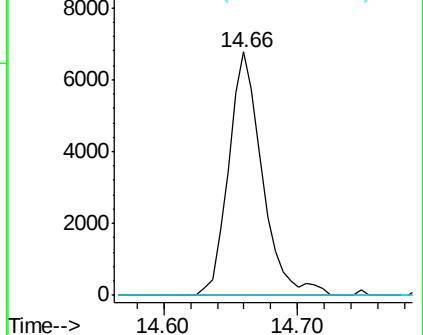
#51  
 2,6-Dinitrotoluene  
 Concen: 7.490 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. 0.43 min  
 Lab File: BG042572.D  
 Acq: 29 Aug 2019 19:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 30.6  | 45.8# |
| 89      | 0.0   | 32.6  | 49.0# |



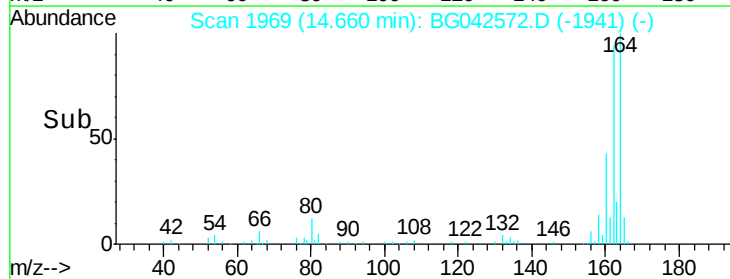
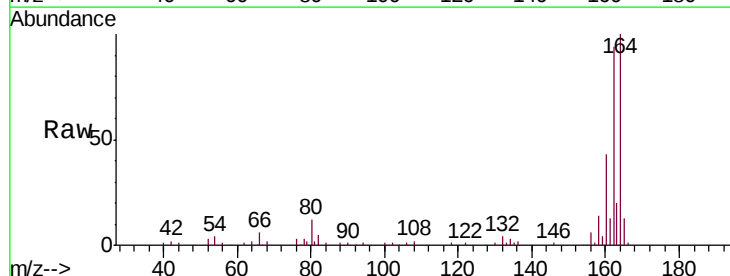
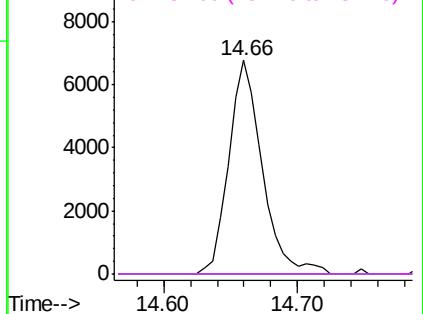
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC



#57  
 2,4-Dinitrotoluene  
 Concen: 5.231 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. -0.37 min  
 Lab File: BG042572.D  
 Acq: 29 Aug 2019 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 22.5  | 33.7# |
| 89      | 0.0   | 37.8  | 56.6# |
| 182     | 0.0   | 3.0   | 4.4#  |

Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

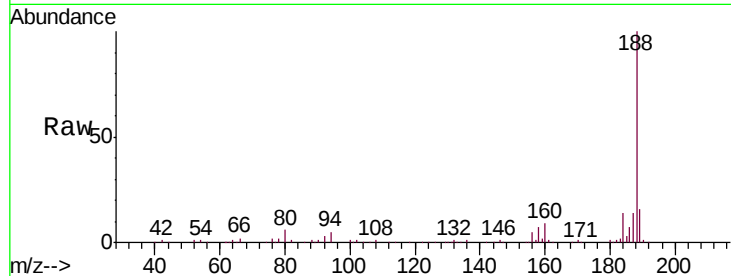




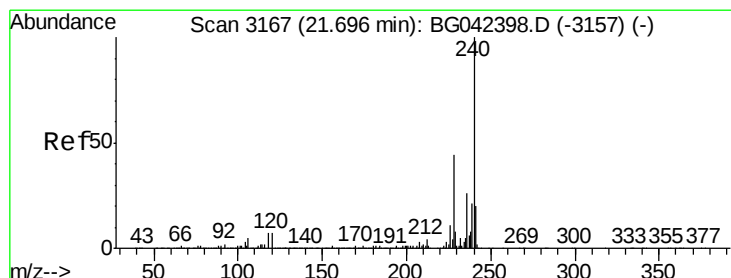
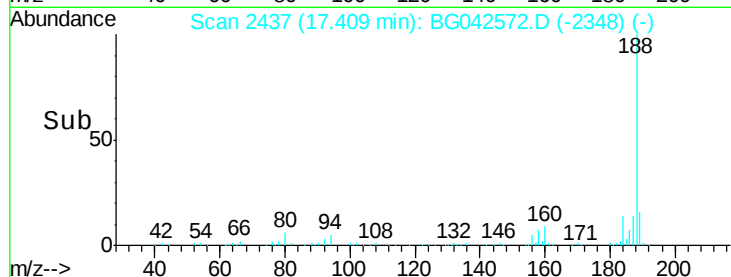
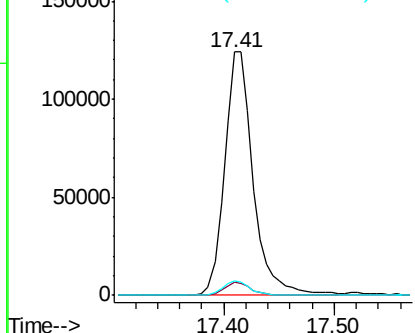
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2437  
Delta R.T. -0.01 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

Instrument :  
BNA\_G  
ClientSampleId :  
GW-2

Tgt Ion:188 Resp: 224523  
Ion Ratio Lower Upper  
188 100  
94 5.5 4.5 6.7  
80 6.0 4.9 7.3

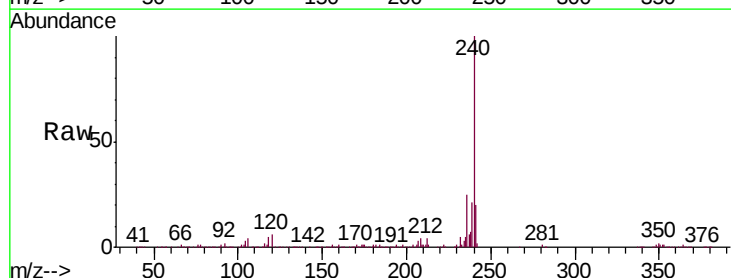


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

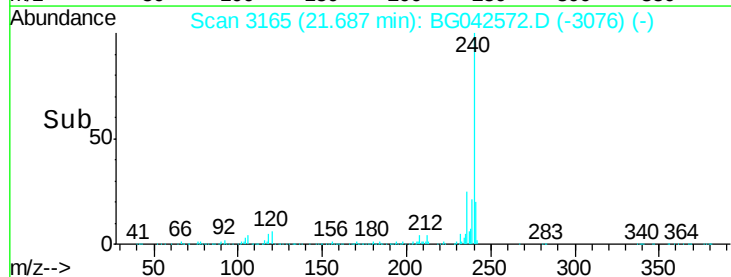
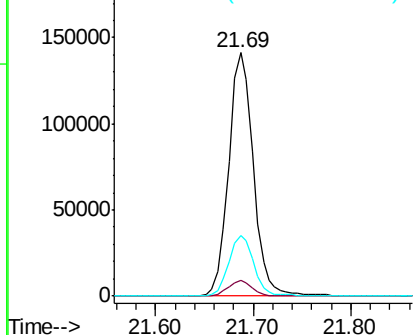


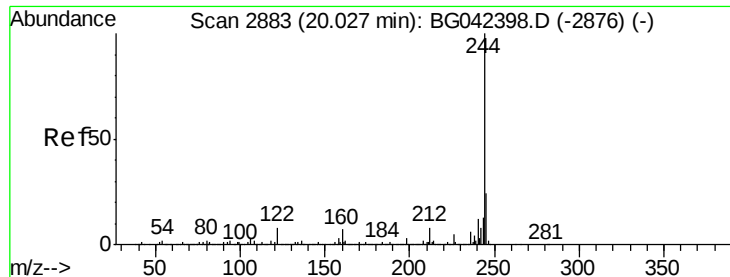
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042572.D  
Acq: 29 Aug 2019 19:32

Tgt Ion:240 Resp: 248482  
Ion Ratio Lower Upper  
240 100  
120 6.2 5.7 8.5  
236 25.0 21.0 31.4



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: 13.435 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042572.D

Acq: 29 Aug 2019 19:32

Instrument :

BNA\_G

ClientSampleId :

GW-2

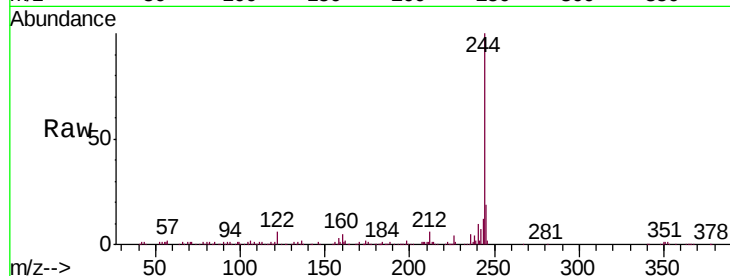
Tgt Ion:244 Resp: 154411

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

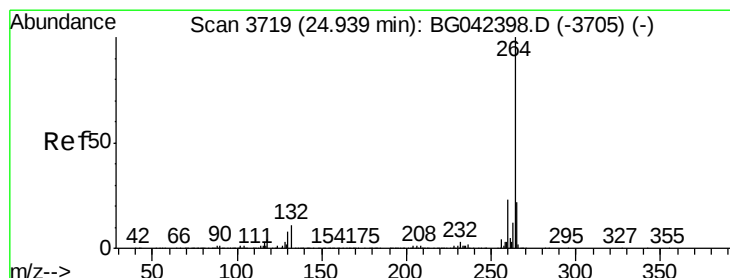
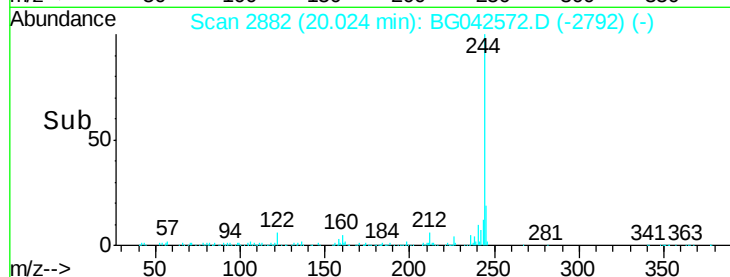
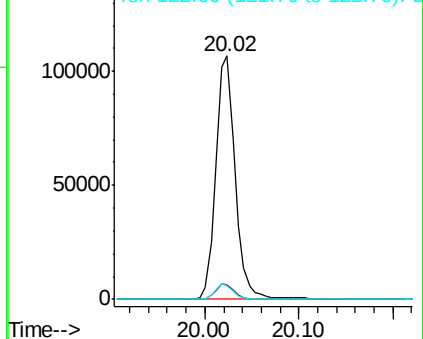
122 5.5 6.7 10.1#



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042572.D

Acq: 29 Aug 2019 19:32

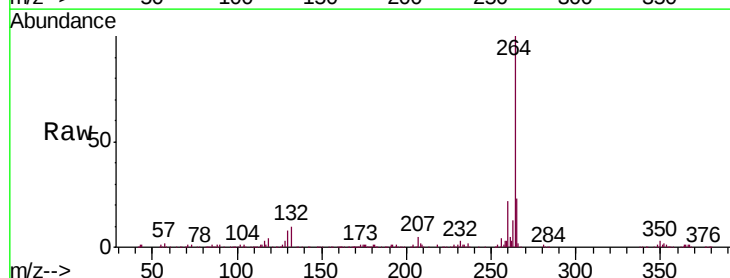
Tgt Ion:264 Resp: 293215

Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

265 23.0 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

