

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\  
 Data File : BG041603.D  
 Acq On : 3 Jul 2019 23:34  
 Operator : HP/JU  
 Sample : K3648-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-1-CORE-HOLE-1

Quant Time: Jul 04 03:41:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 2019  
 Response via : Initial Calibration

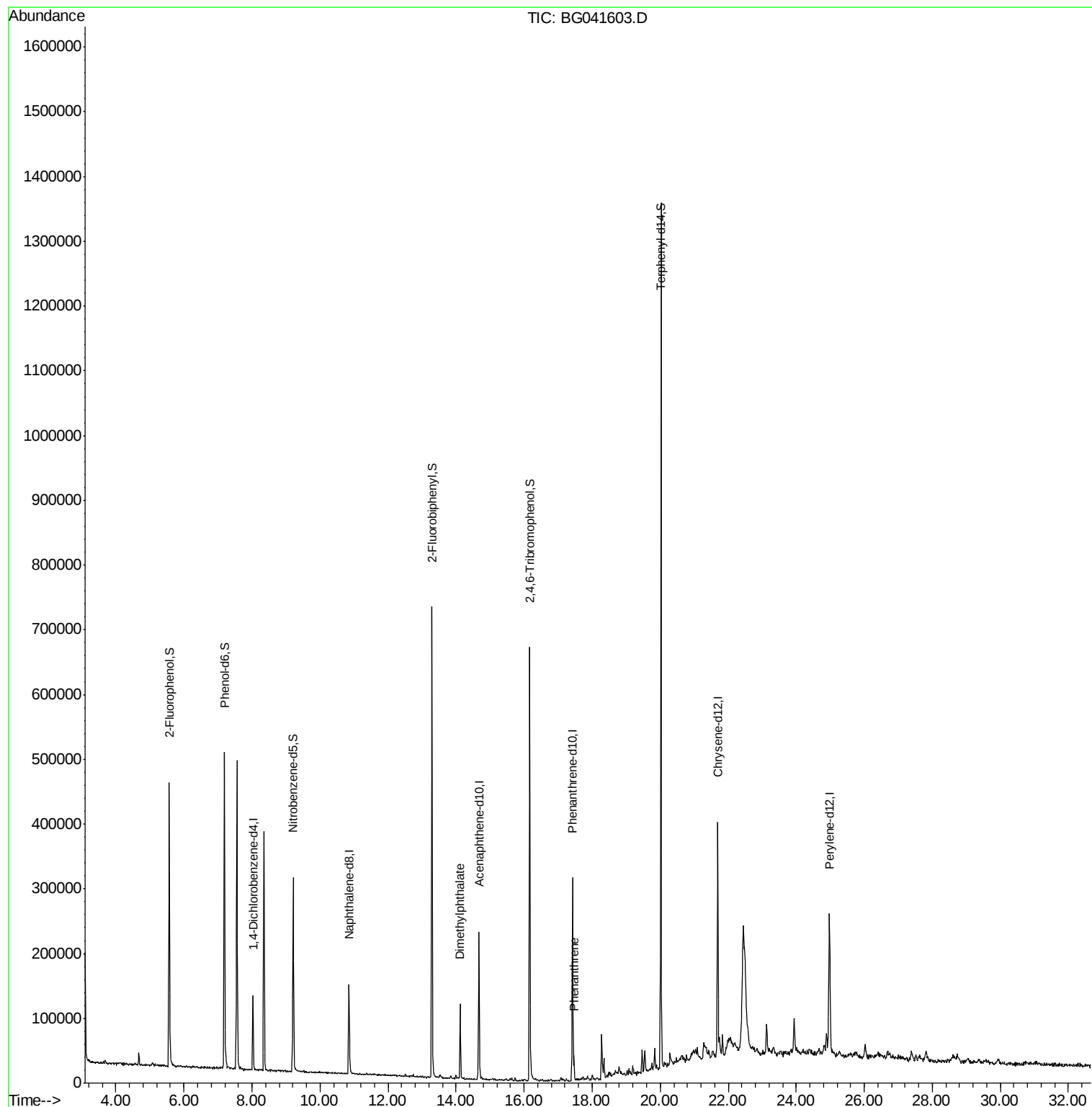
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 33407    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 117405   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.67 | 164  | 84645    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.42 | 188  | 212109   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 227770   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.97 | 264  | 246240   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 178701   | 95.37  | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 260139   | 98.62  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 187524   | 66.62  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 139595   | 96.59  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 385198   | 58.40  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 628849   | 58.67  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 14.12 | 163  | 81259    | 10.549 | ng    | 98       |
| 71) Phenanthrene            | 17.47 | 178  | 23670    | 2.025  | ng    | # 94     |

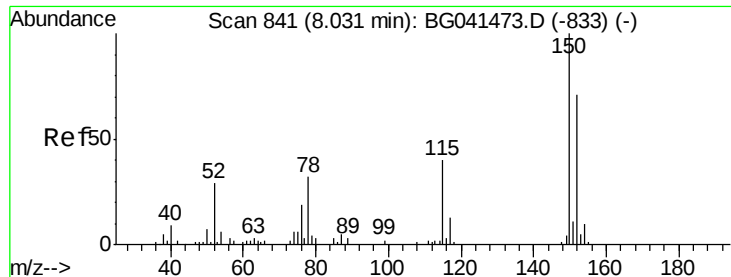
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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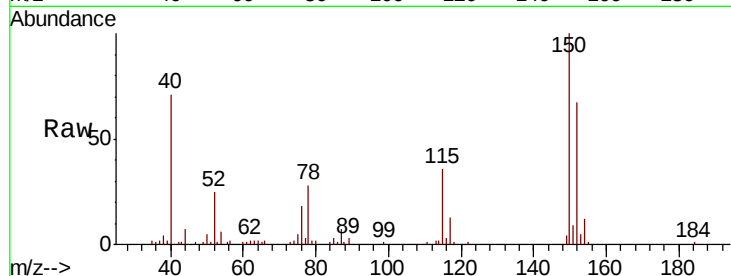


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.03 min Scan# 841  
 Delta R.T. -0.00 min  
 Lab File: BG041603.D  
 Acq: 3 Jul 2019 23:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-1-CORE-HOLE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.0 | 112.4 | 168.6 |
| 115     | 54.3  | 44.6  | 66.8  |

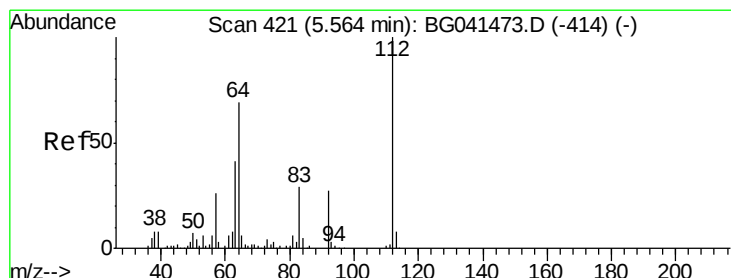
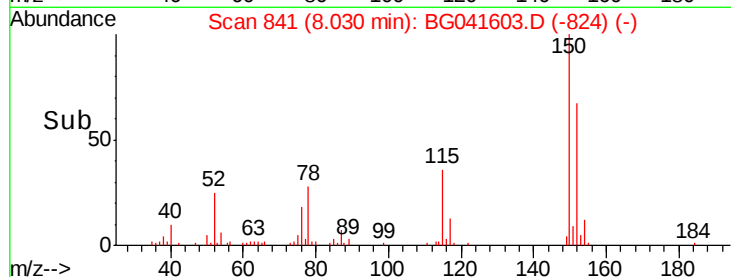
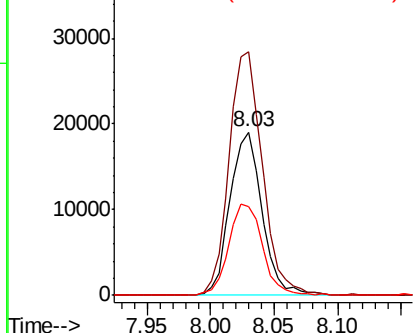


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

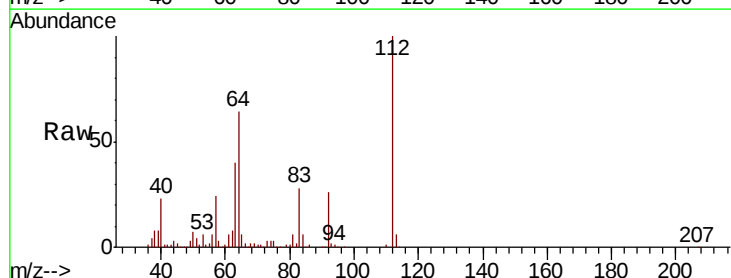
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 95.368 ng  
 RT: 5.57 min Scan# 422  
 Delta R.T. 0.00 min  
 Lab File: BG041603.D  
 Acq: 3 Jul 2019 23:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.8  | 55.1  | 82.7  |
| 63      | 40.0  | 32.4  | 48.6  |

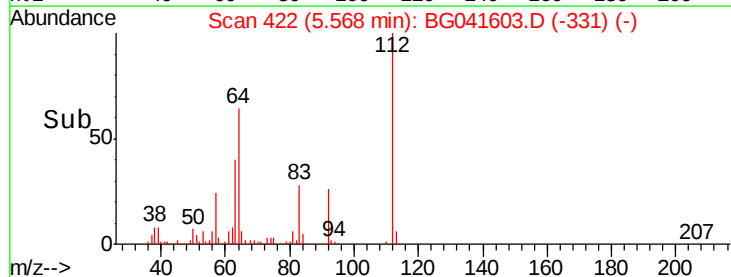
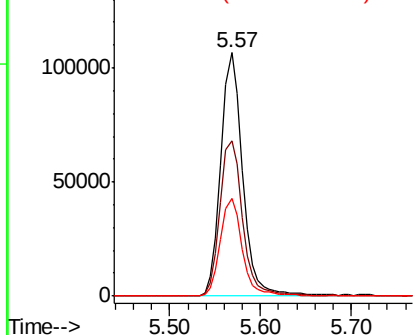


Abundance

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: 98.619 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

Instrument :

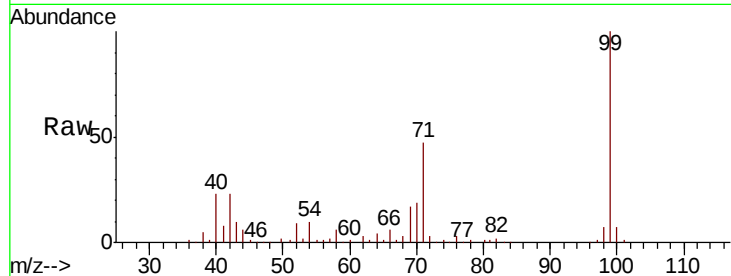
BNA\_G

ClientSampleId :

C-1-CORE-HOLE-1

Tot Ion: 99 Resp: 260139

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.0  | 19.0  | 28.6  |
| 71  | 47.4  | 37.4  | 56.2  |

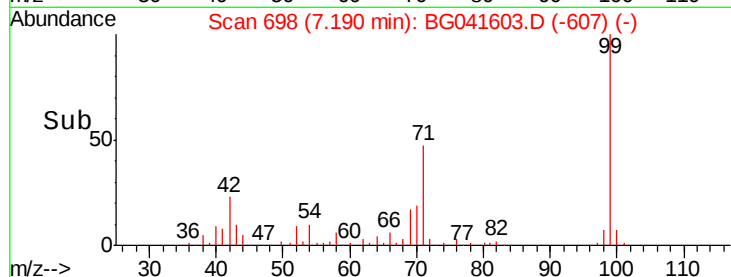
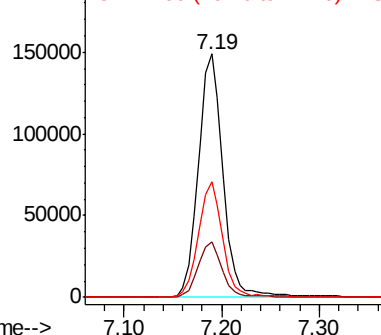


Abundance

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: 10.86 min Scan# 1322

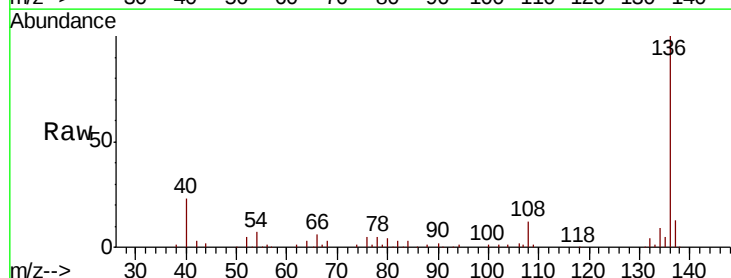
Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

Tgt Ion: 136 Resp: 117405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.5  | 9.3   | 13.9  |
| 54  | 7.2   | 7.1   | 10.7  |
| 68  | 3.1   | 3.3   | 4.9#  |



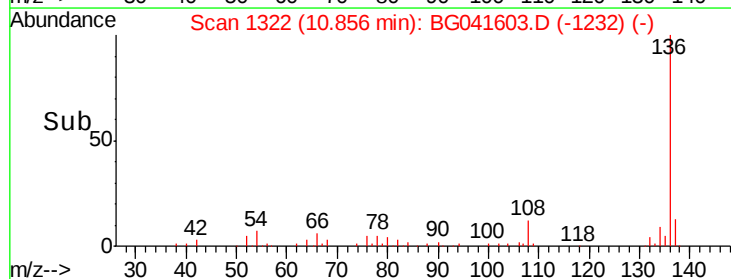
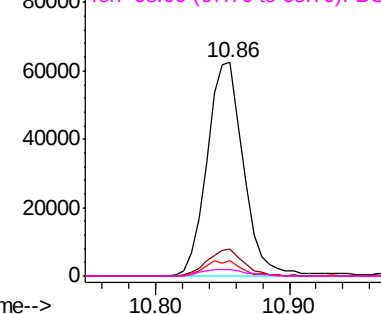
Abundance

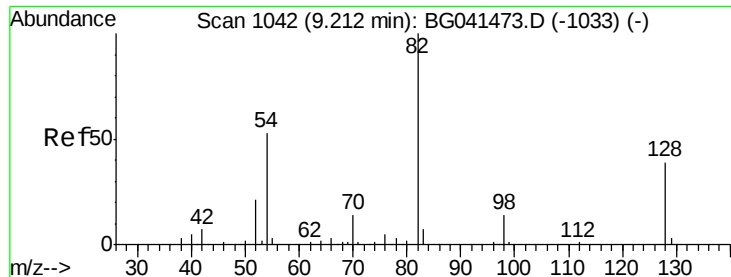
Ion 136.00 (135.70 to 136.70): BGC

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

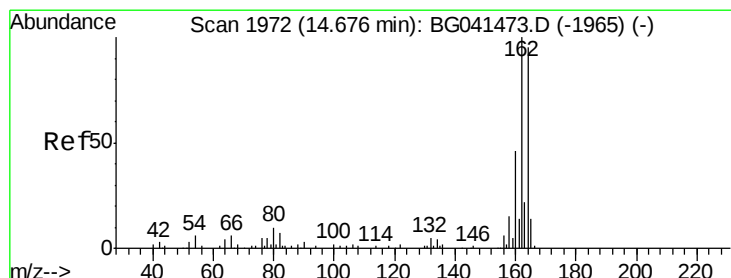
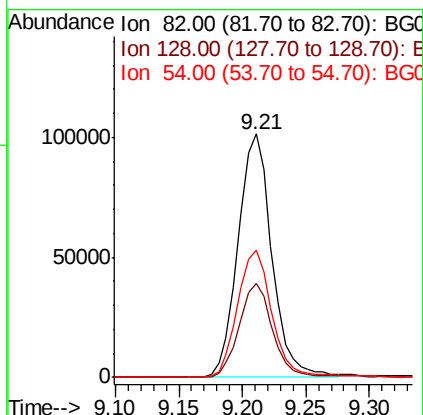
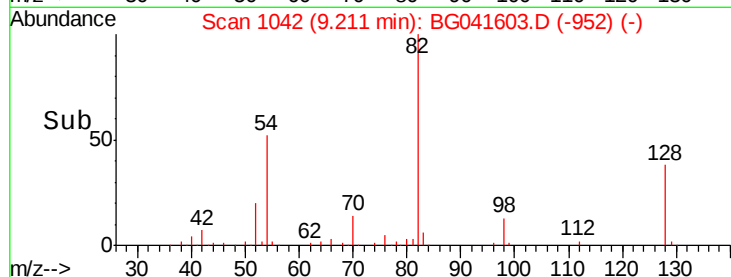
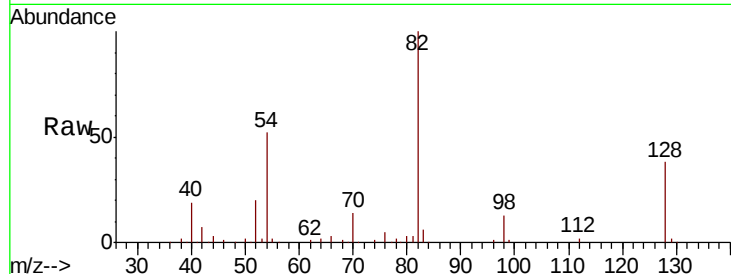




#23  
Nitrobenzene-d5  
Concen: 66.616 ng  
RT: 9.21 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BG041603.D  
Acq: 3 Jul 2019 23:34

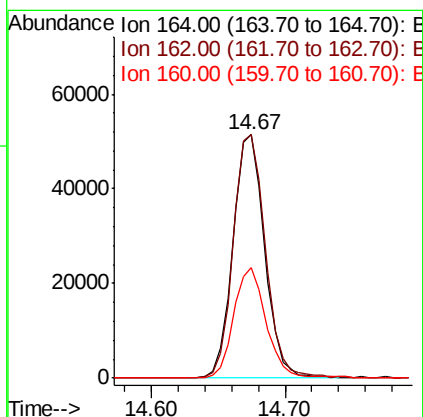
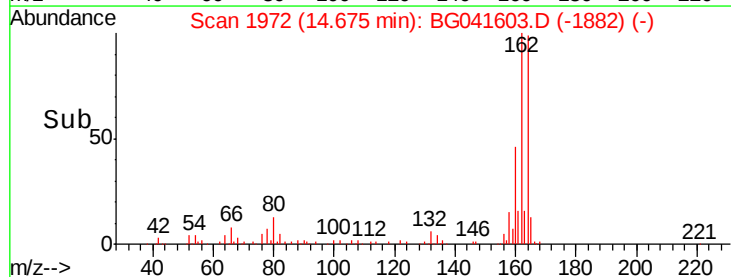
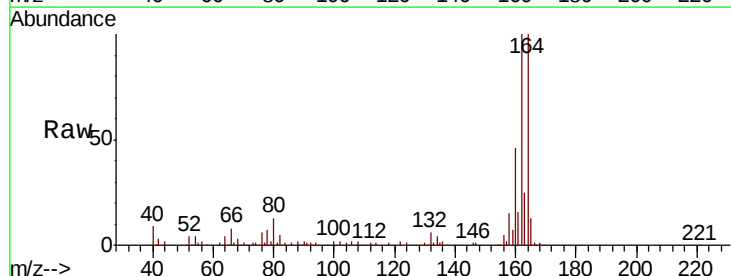
Instrument :  
BNA\_G  
ClientSampleId :  
C-1-CORE-HOLE-1

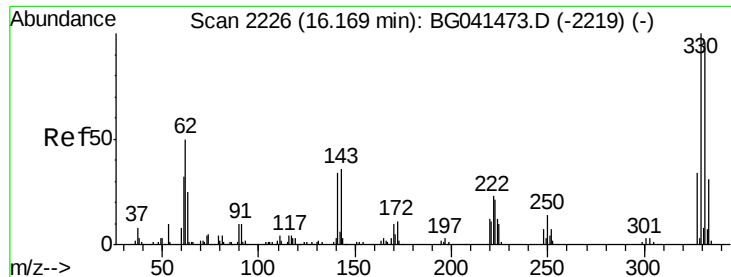
Tot Ion: 82 Resp: 187524  
Ion Ratio Lower Upper  
82 100  
128 38.5 30.9 46.3  
54 52.3 42.2 63.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1972  
Delta R.T. -0.00 min  
Lab File: BG041603.D  
Acq: 3 Jul 2019 23:34

Tgt Ion:164 Resp: 84645  
Ion Ratio Lower Upper  
164 100  
162 99.9 84.4 126.6  
160 45.6 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 96.588 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

Instrument :

BNA\_G

ClientSampleId :

C-1-CORE-HOLE-1

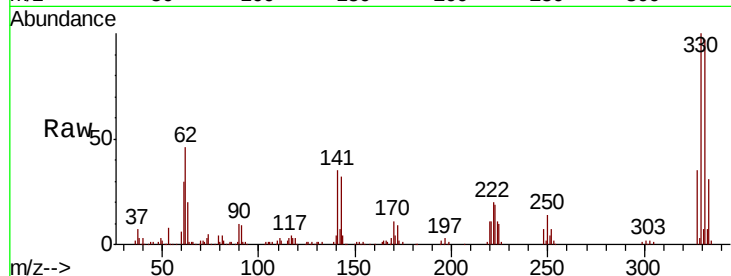
Tot Ion:330 Resp: 139595

Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

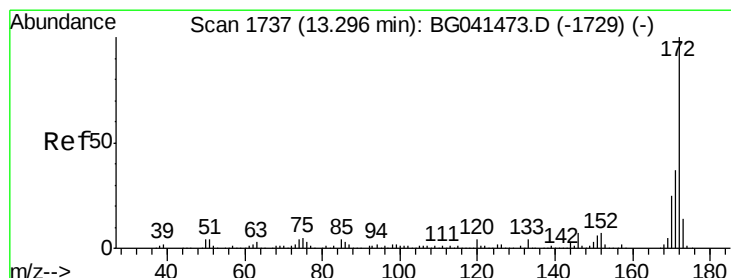
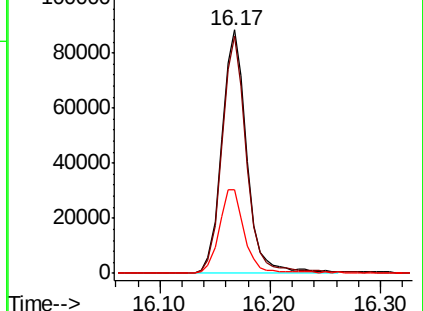
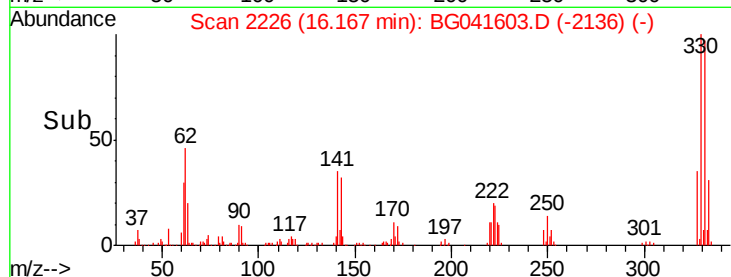
141 34.7 27.8 41.6



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: 58.398 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

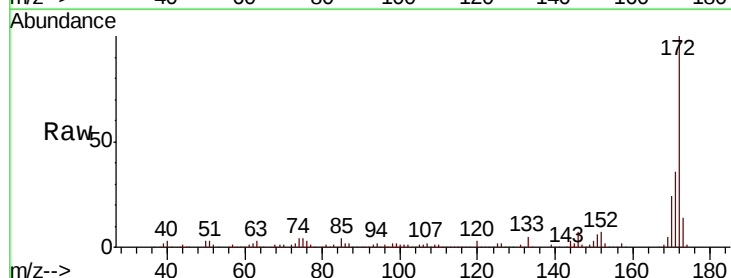
Tgt Ion:172 Resp: 385198

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

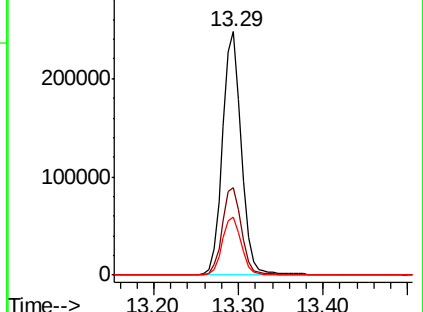
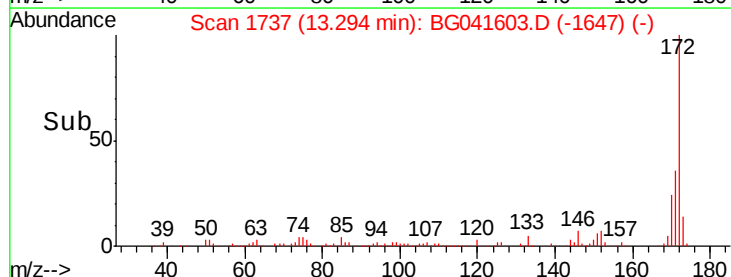
170 24.1 20.0 30.0

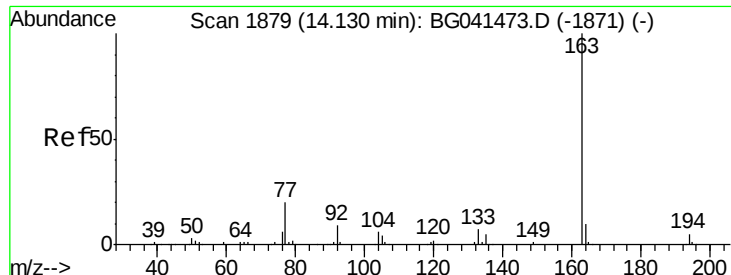


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

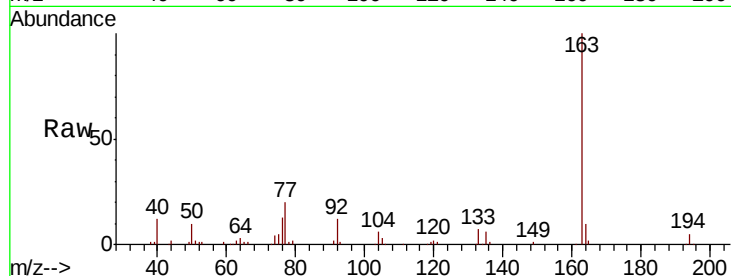




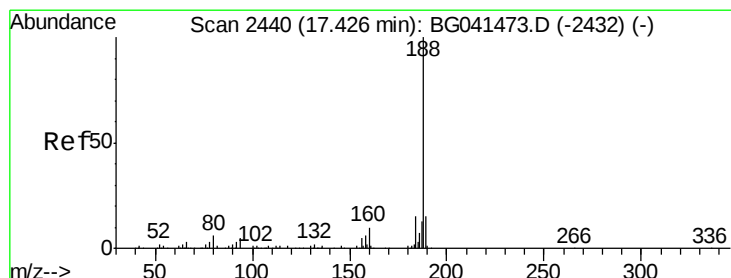
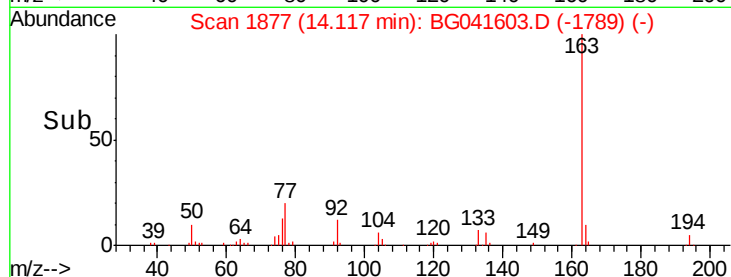
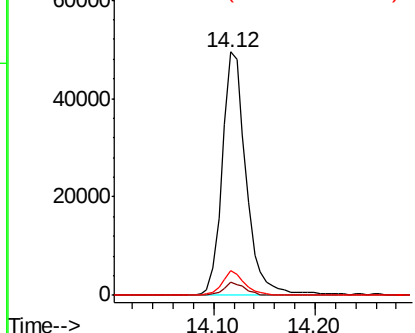
#50  
Dimethylphthalate  
Concen: 10.549 ng  
RT: 14.12 min Scan# 1877  
Delta R.T. -0.01 min  
Lab File: BG041603.D  
Acq: 3 Jul 2019 23:34

Instrument :  
BNA\_G  
ClientSampleId :  
C-1-CORE-HOLE-1

Tot Ion:163 Resp: 81259  
Ion Ratio Lower Upper  
163 100  
194 5.2 3.7 5.5  
164 10.4 7.8 11.6

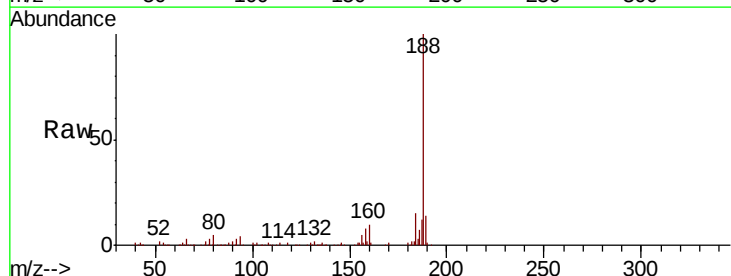


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

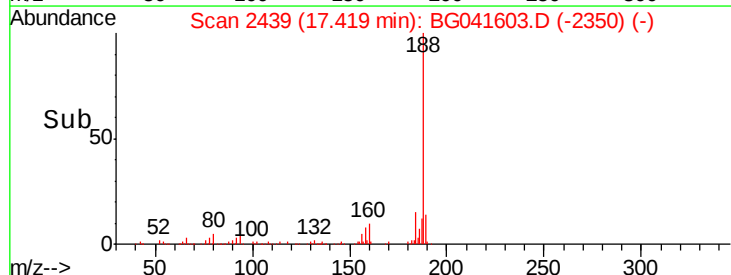
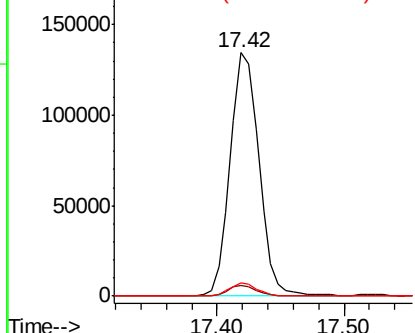


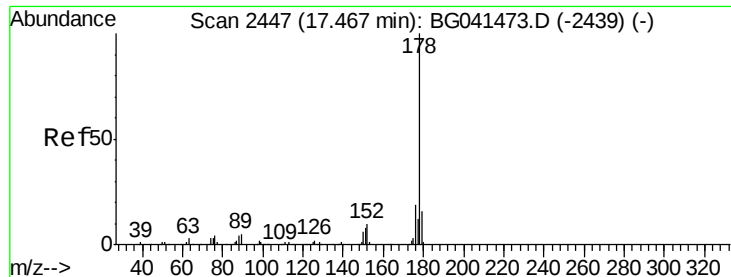
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2439  
Delta R.T. -0.01 min  
Lab File: BG041603.D  
Acq: 3 Jul 2019 23:34

Tgt Ion:188 Resp: 212109  
Ion Ratio Lower Upper  
188 100  
94 4.2 3.8 5.8  
80 5.2 4.8 7.2



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





#71

Phenanthrene

Concen: 2.025 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

Instrument :

BNA\_G

ClientSampleId :

C-1-CORE-HOLE-1

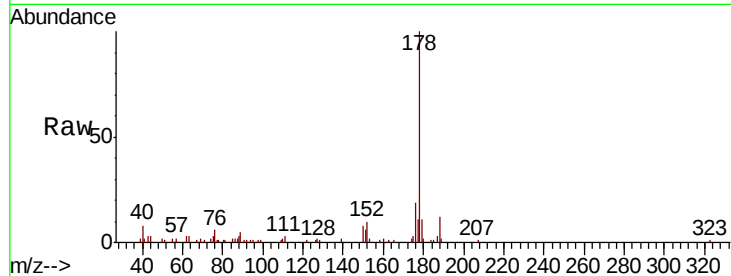
Tot Ion:178 Resp: 23670

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

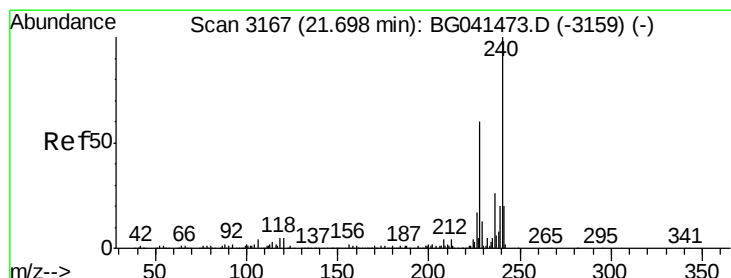
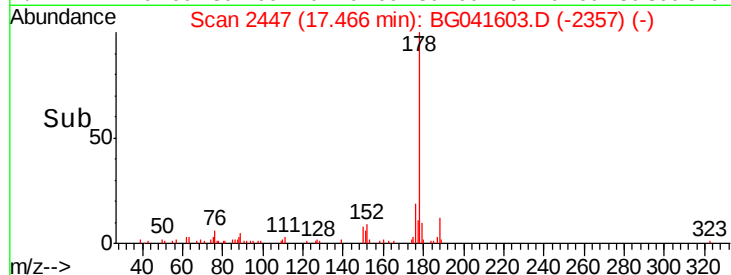
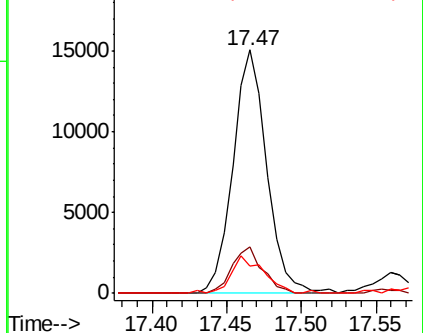
179 11.0 13.0 19.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

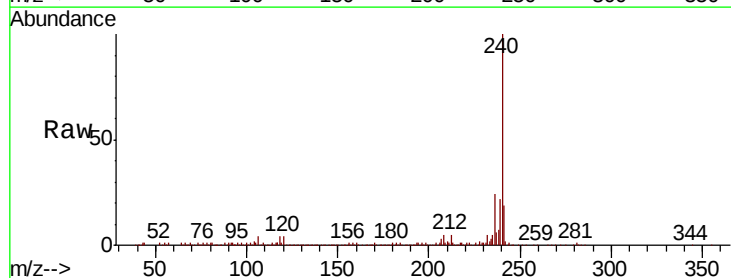
Tgt Ion:240 Resp: 227770

Ion Ratio Lower Upper

240 100

120 3.5 3.7 5.5#

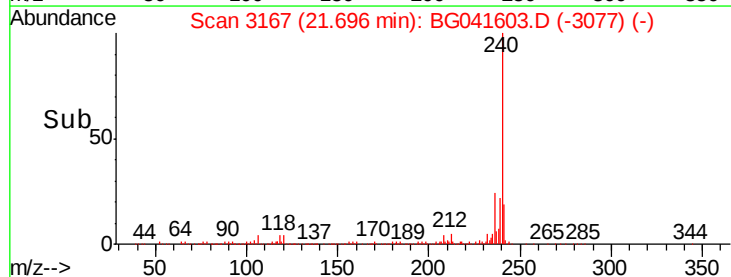
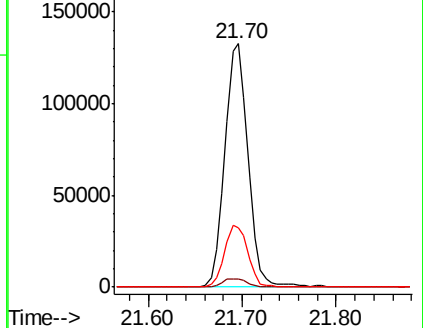
236 24.3 20.8 31.2

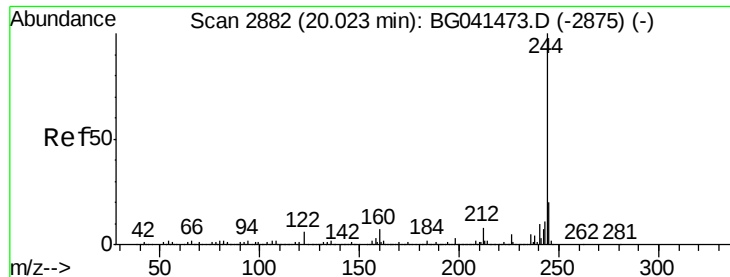


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 58.671 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

Instrument :

BNA\_G

ClientSampleId :

C-1-CORE-HOLE-1

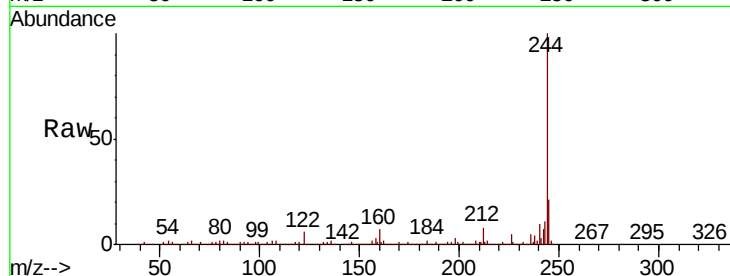
Tot Ion:244 Resp: 628849

Ion Ratio Lower Upper

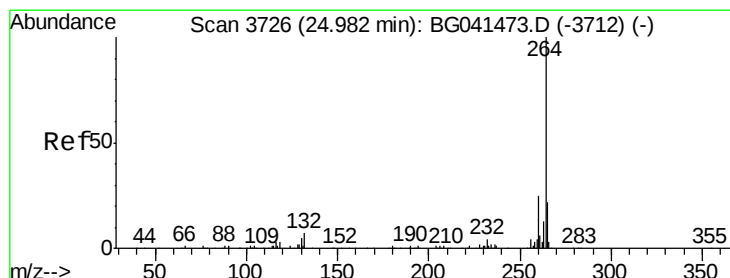
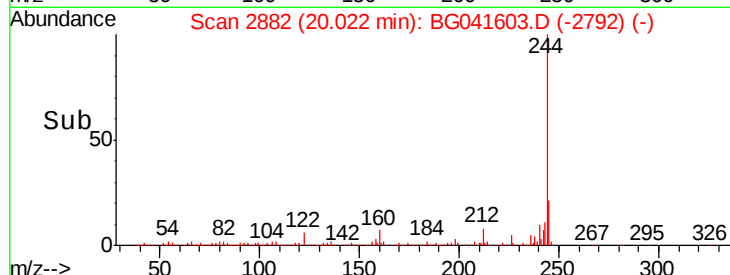
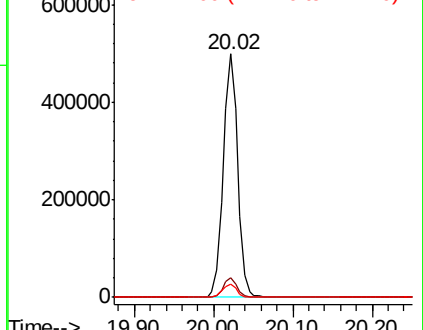
244 100

212 7.9 6.2 9.4

122 5.6 4.8 7.2



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: 24.97 min Scan# 3725

Delta R.T. -0.01 min

Lab File: BG041603.D

Acq: 3 Jul 2019 23:34

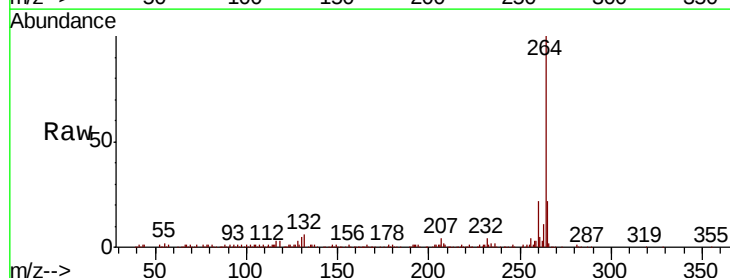
Tgt Ion:264 Resp: 246240

Ion Ratio Lower Upper

264 100

260 22.2 19.7 29.5

265 21.9 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

