

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
 Data File : BG042639.D  
 Acq On : 31 Aug 2019 17:46  
 Operator : HP/JU  
 Sample : K4577-02RE  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 01 00:11:10 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

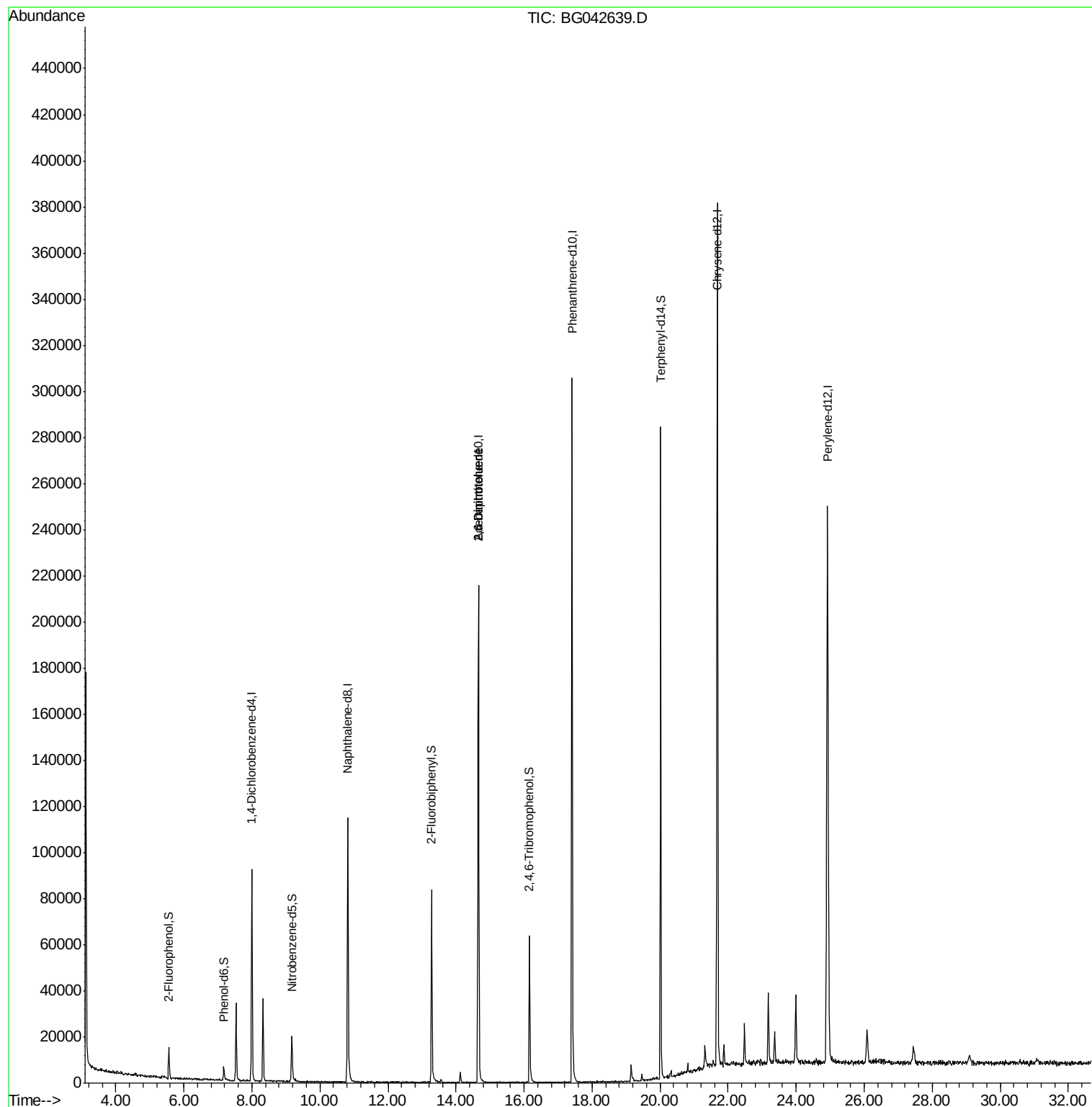
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 32306    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 126912   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 98981    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 238500   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.68 | 240  | 253825   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 24.92 | 264  | 298343   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 8749     | 5.48  | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 6348     | 2.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 16774    | 9.13  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 21597    | 15.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 66097    | 11.29 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 158569   | 13.51 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 51) 2,6-Dinitrotoluene      | 14.66 | 165  | 12673    | 7.655 | ng    | # 36     |
| 57) 2,4-Dinitrotoluene      | 14.66 | 165  | 12673    | 5.346 | ng    | # 38     |

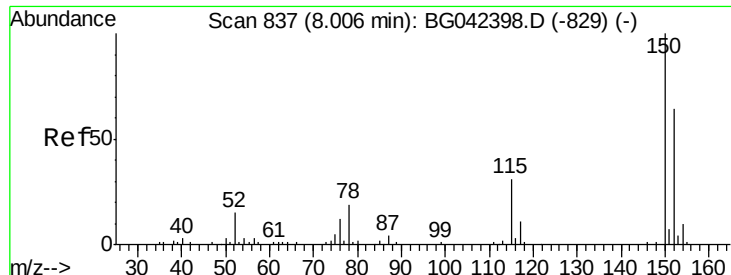
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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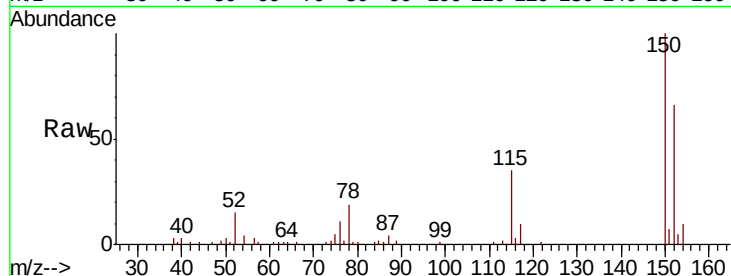


#1

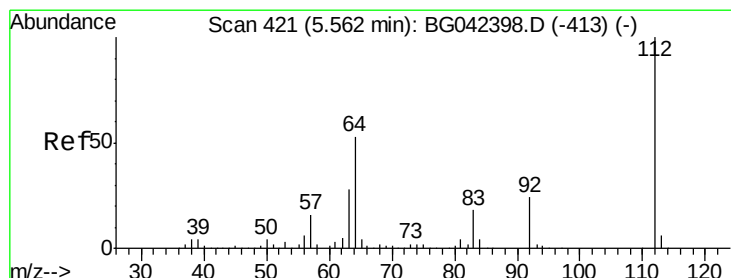
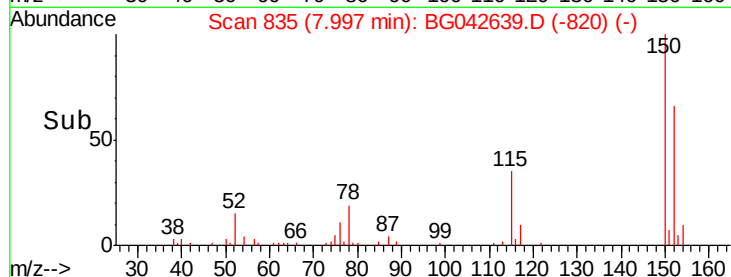
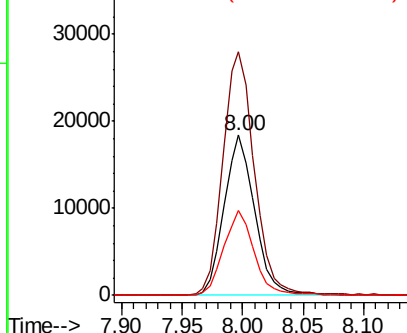
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 32306  
Ion Ratio Lower Upper  
152 100  
150 152.0 125.4 188.0  
115 52.9 38.5 57.7



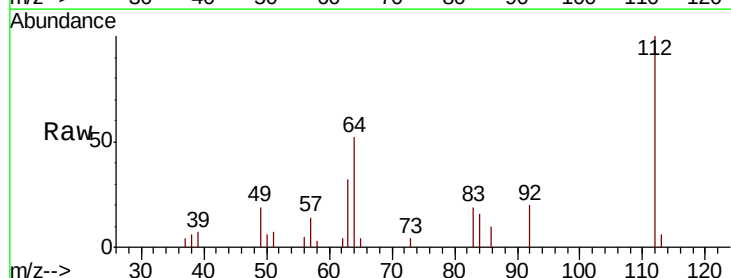
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



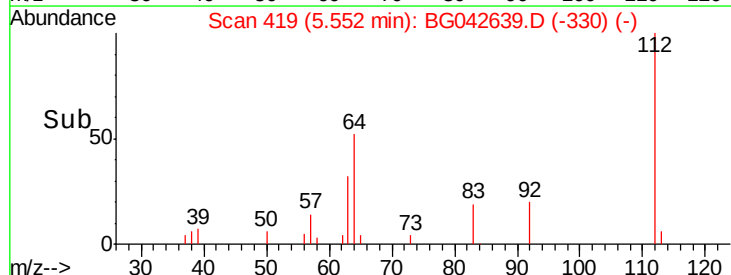
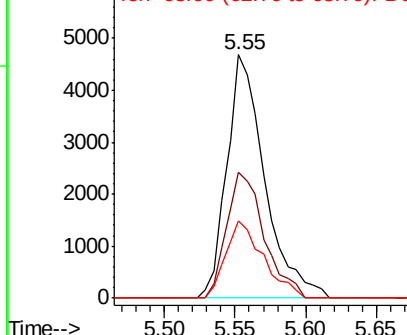
#5

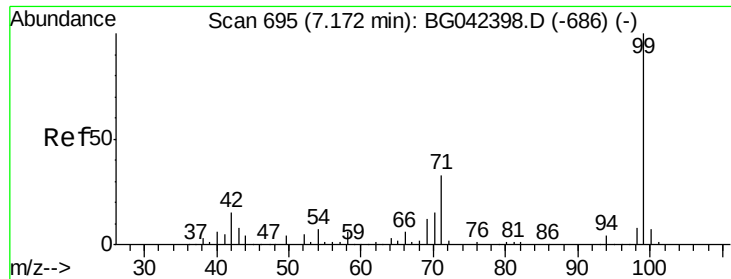
2-Fluorophenol  
Concen: 5.485 ng  
RT: 5.55 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

Tgt Ion:112 Resp: 8749  
Ion Ratio Lower Upper  
112 100  
64 51.6 42.8 64.2  
63 31.9 22.7 34.1



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: 2.946 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

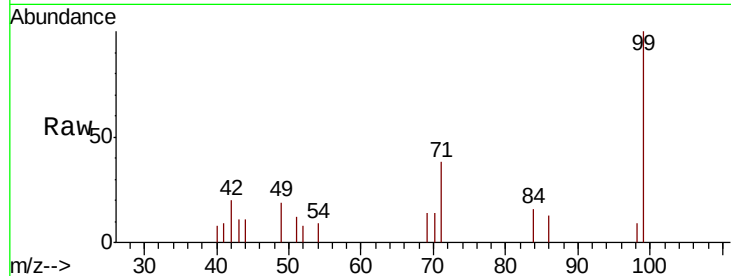
Tot Ion: 99 Resp: 6348

Ion Ratio Lower Upper

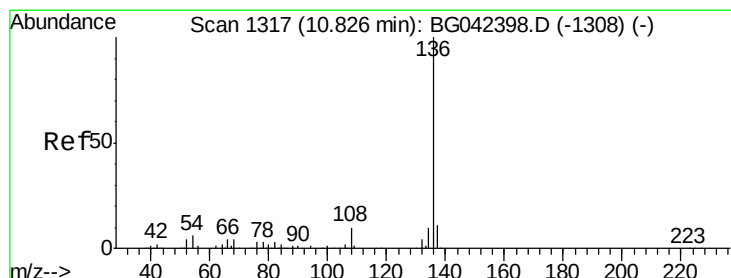
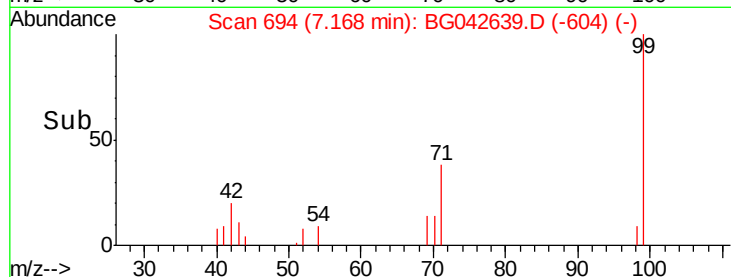
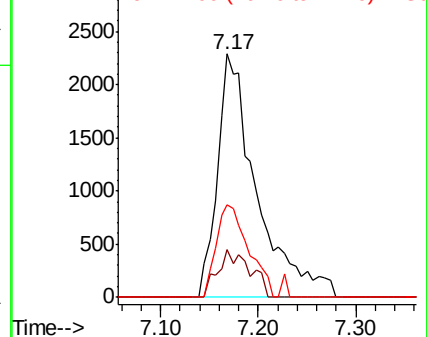
99 100

42 19.6 12.0 18.0#

71 38.3 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# 1315

Delta R.T. -0.01 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Tgt Ion: 136 Resp: 126912

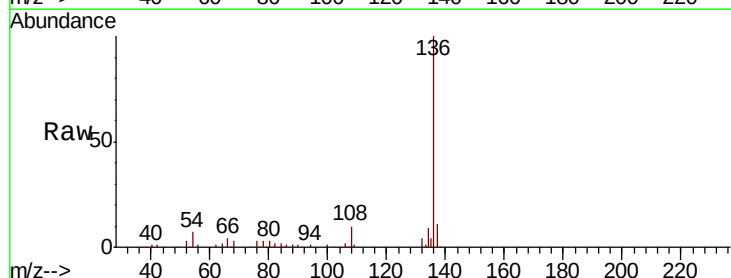
Ion Ratio Lower Upper

136 100

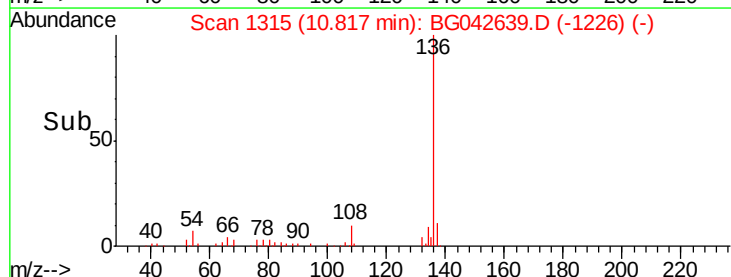
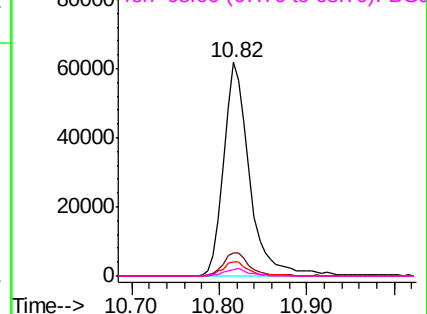
137 11.0 8.7 13.1

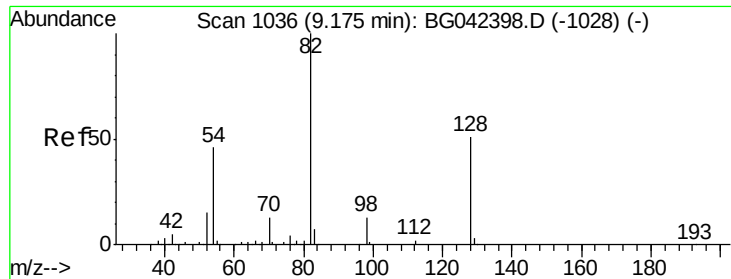
54 6.6 4.9 7.3

68 3.0 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

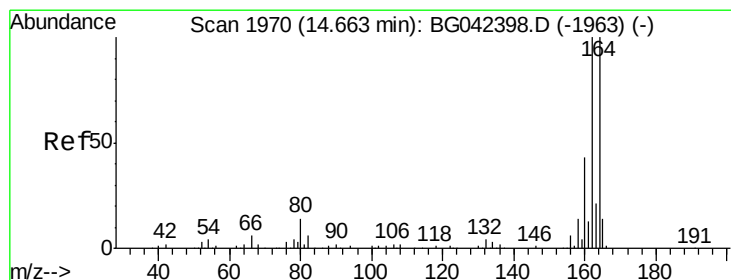
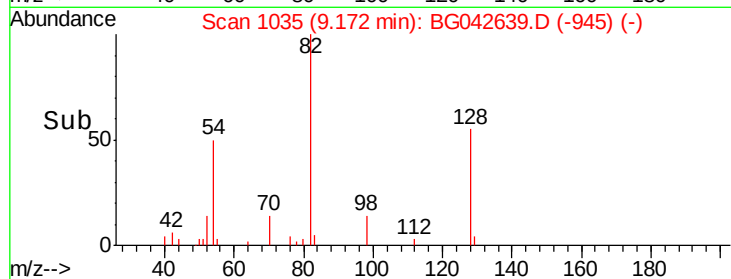
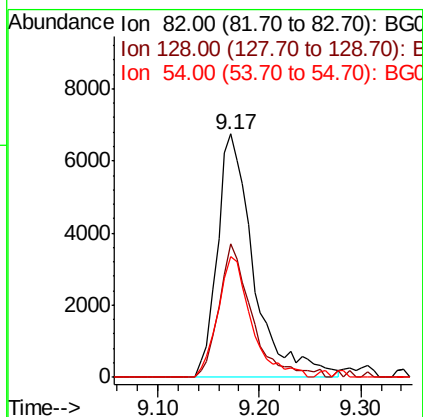
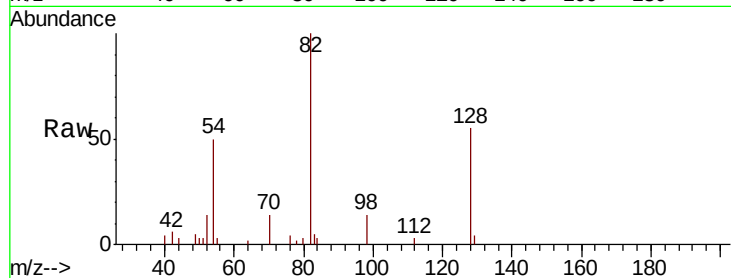




#23  
Nitrobenzene-d5  
Concen: 9.133 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

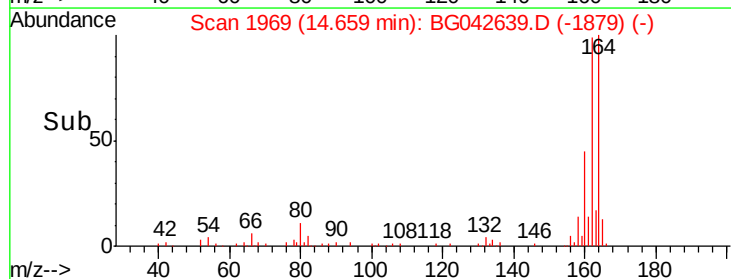
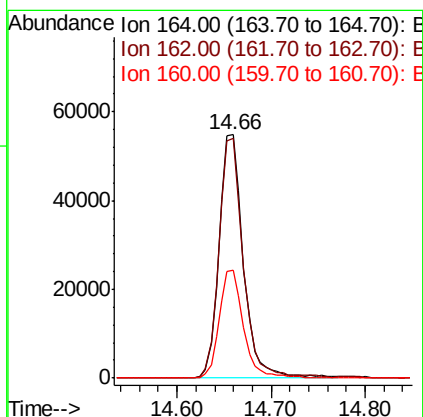
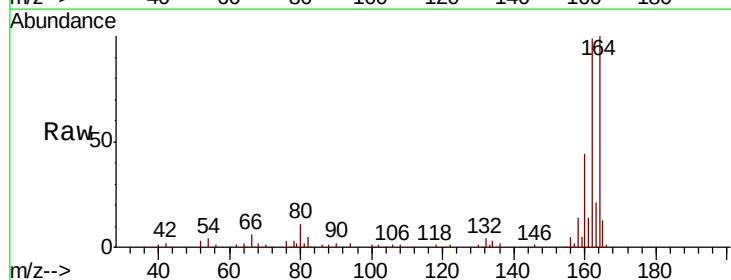
Instrument :  
BNA\_G  
ClientSampled :

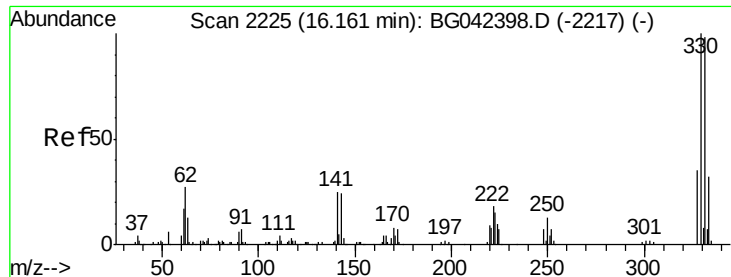
| Tot Ion   | 82    | Resp  | 16774 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 55.0  | 40.7  | 61.1  |
| 54        | 49.7  | 36.3  | 54.5  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

| Tgt Ion   | 164   | Resp  | 98981 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 98.7  | 79.9  | 119.9 |
| 160       | 44.4  | 34.3  | 51.5  |





#42

2,4,6-Tribromophenol

Concen: 15.351 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

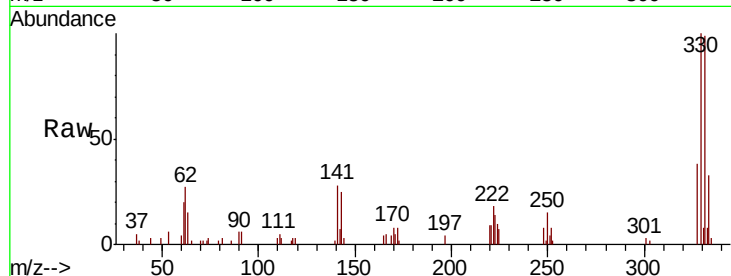
Tot Ion:330 Resp: 21597

Ion Ratio Lower Upper

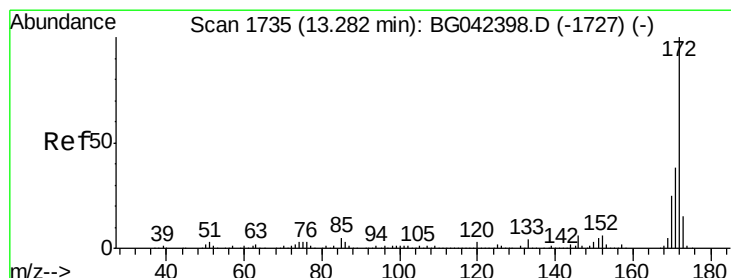
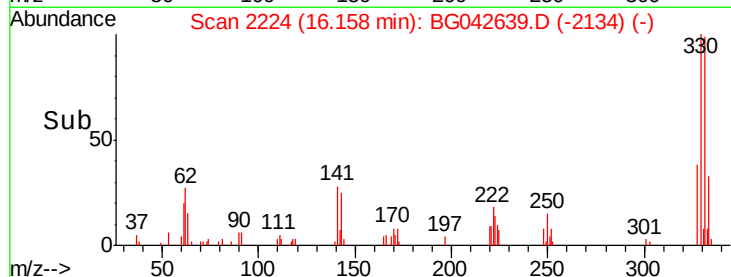
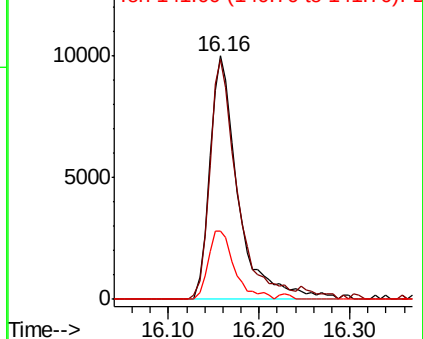
330 100

332 95.4 77.4 116.0

141 26.0 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: 11.294 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

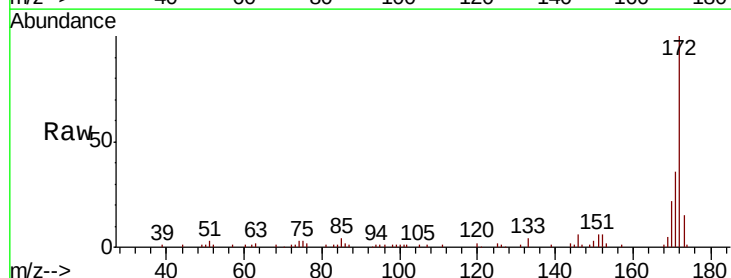
Tgt Ion:172 Resp: 66097

Ion Ratio Lower Upper

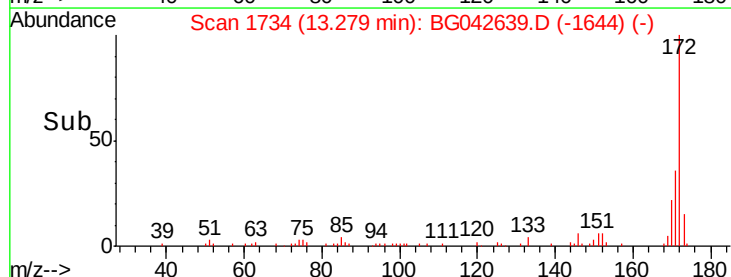
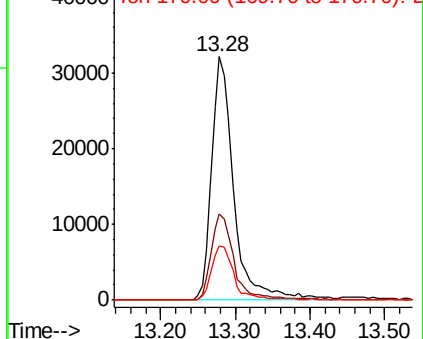
172 100

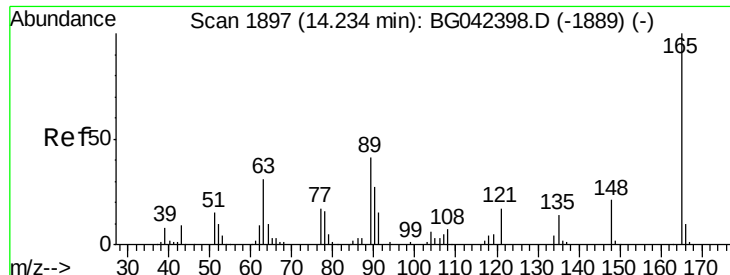
171 35.6 30.5 45.7

170 22.5 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

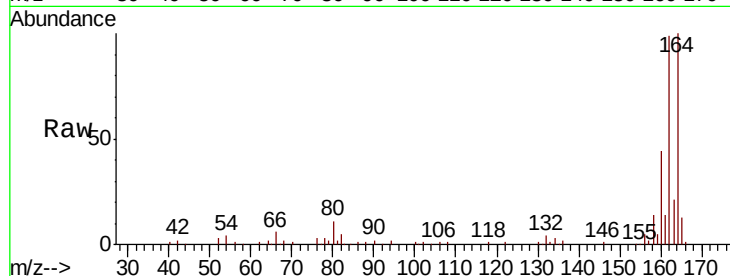




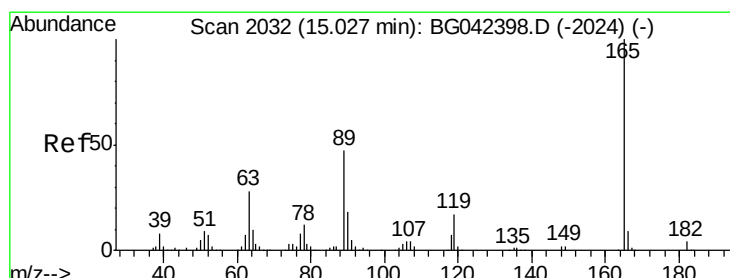
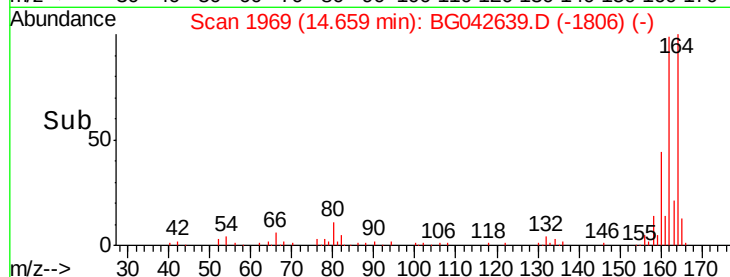
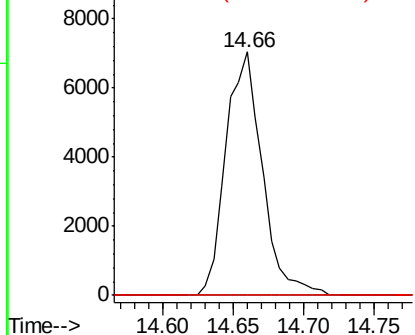
#51  
 2,6-Dinitrotoluene  
 Concen: 7.655 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. 0.43 min  
 Lab File: BG042639.D  
 Acq: 31 Aug 2019 17:46

Instrument :  
 BNA\_G  
 ClientSampleId :

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



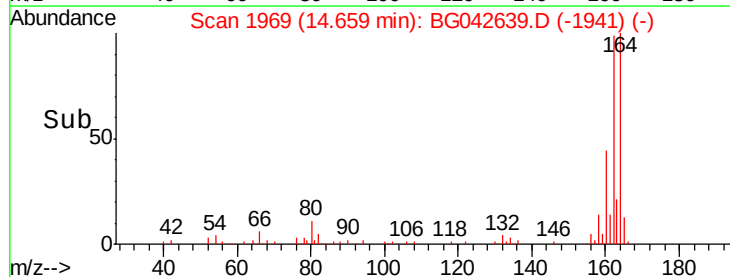
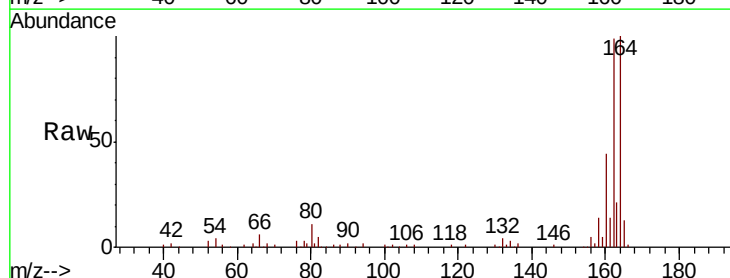
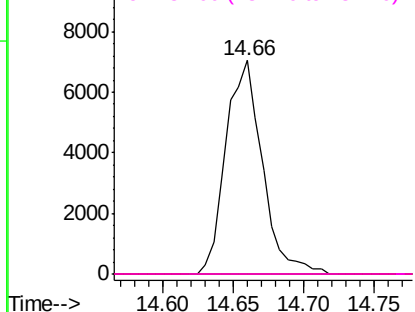
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

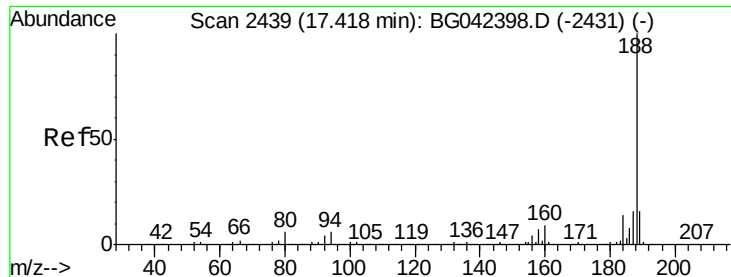


#57  
 2,4-Dinitrotoluene  
 Concen: 5.346 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. -0.37 min  
 Lab File: BG042639.D  
 Acq: 31 Aug 2019 17:46

| 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

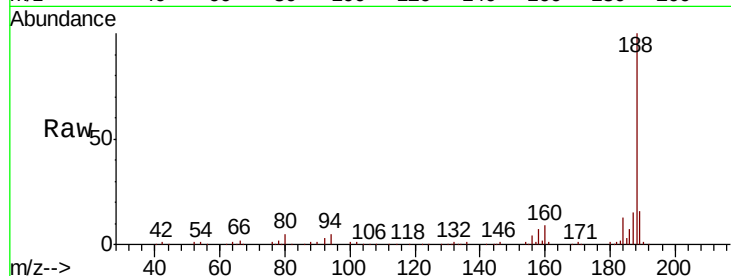




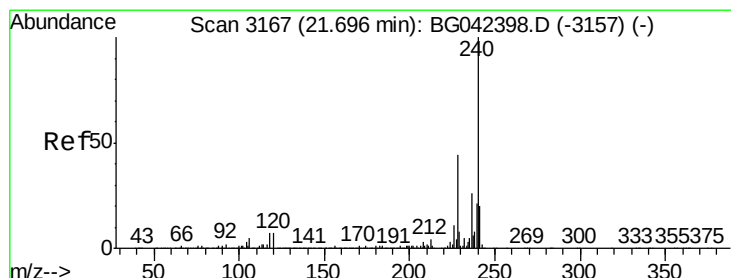
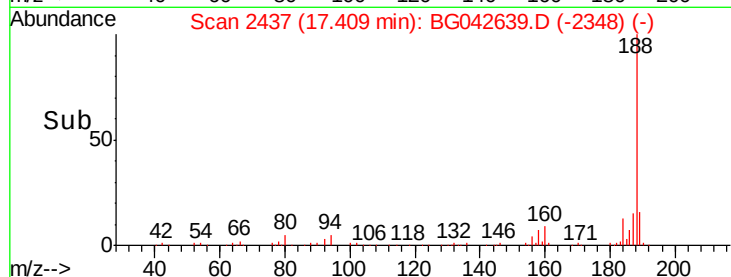
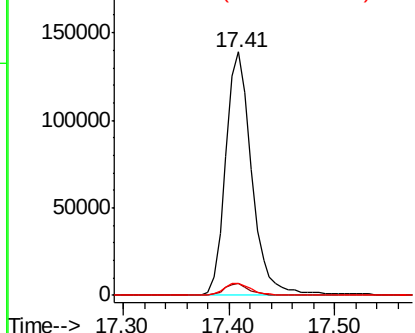
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2437  
Delta R.T. -0.01 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 238500  
Ion Ratio Lower Upper  
188 100  
94 5.0 4.5 6.7  
80 5.2 4.9 7.3

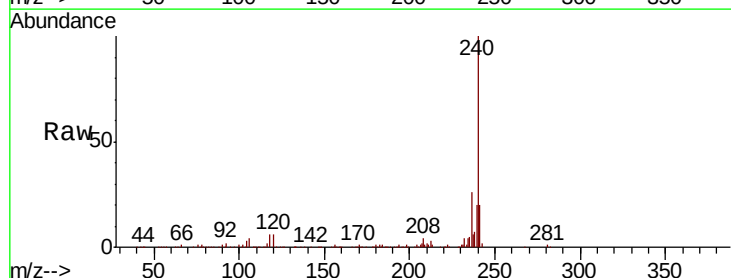


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

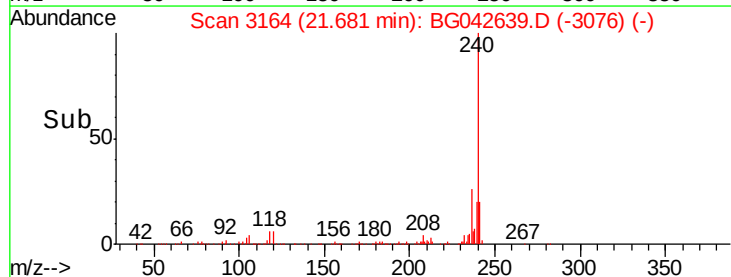
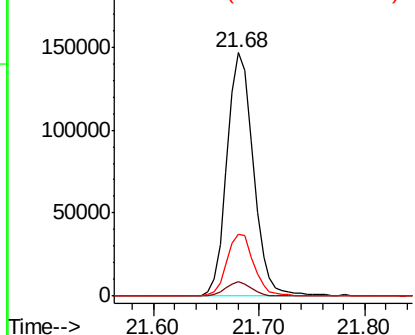


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3164  
Delta R.T. -0.02 min  
Lab File: BG042639.D  
Acq: 31 Aug 2019 17:46

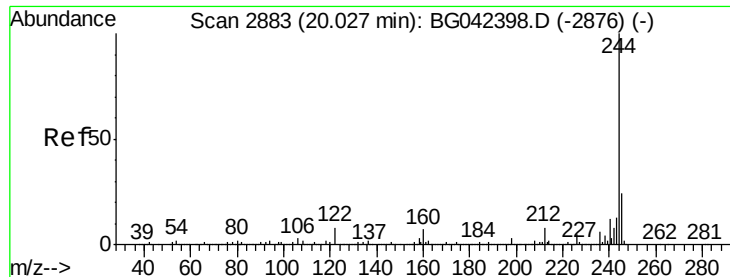
Tgt Ion:240 Resp: 253825  
Ion Ratio Lower Upper  
240 100  
120 6.1 5.7 8.5  
236 25.7 21.0 31.4



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: 13.506 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

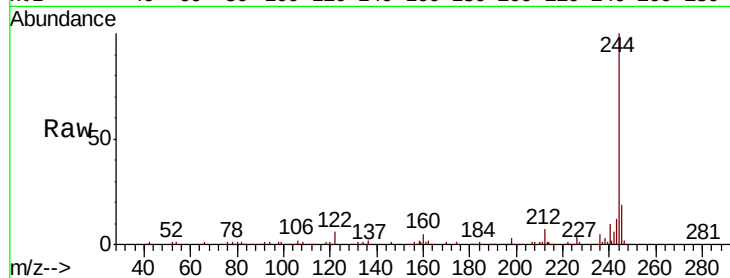
Tot Ion:244 Resp: 158569

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

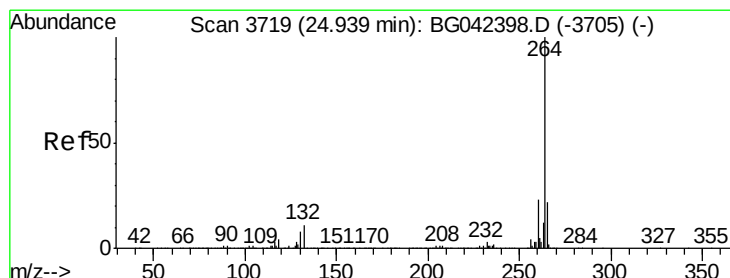
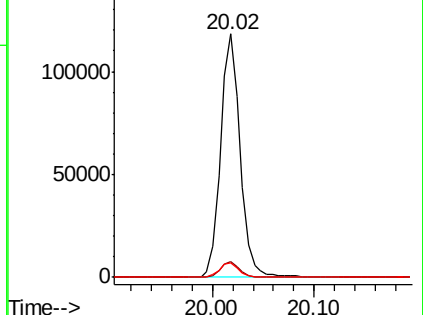
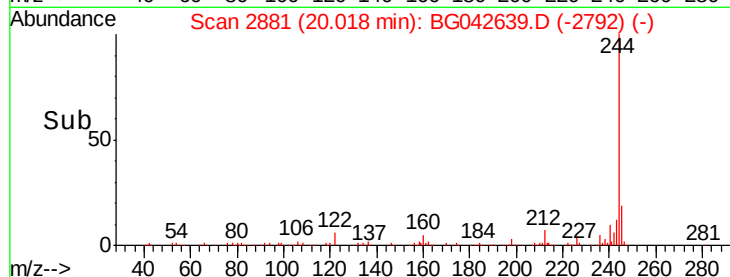
122 6.0 6.7 10.1#



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

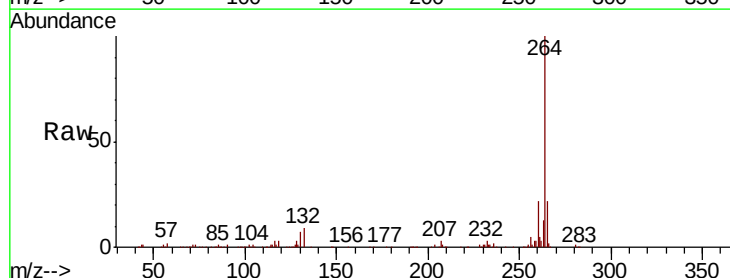
Tgt Ion:264 Resp: 298343

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 21.9 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

