

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\  
 Data File : BG045389.D  
 Acq On : 14 May 2020 22:31  
 Operator : CG/JU  
 Sample : L2605-07 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 239996

Quant Time: May 15 04:38:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 13:01:16 2020  
 Response via : Initial Calibration

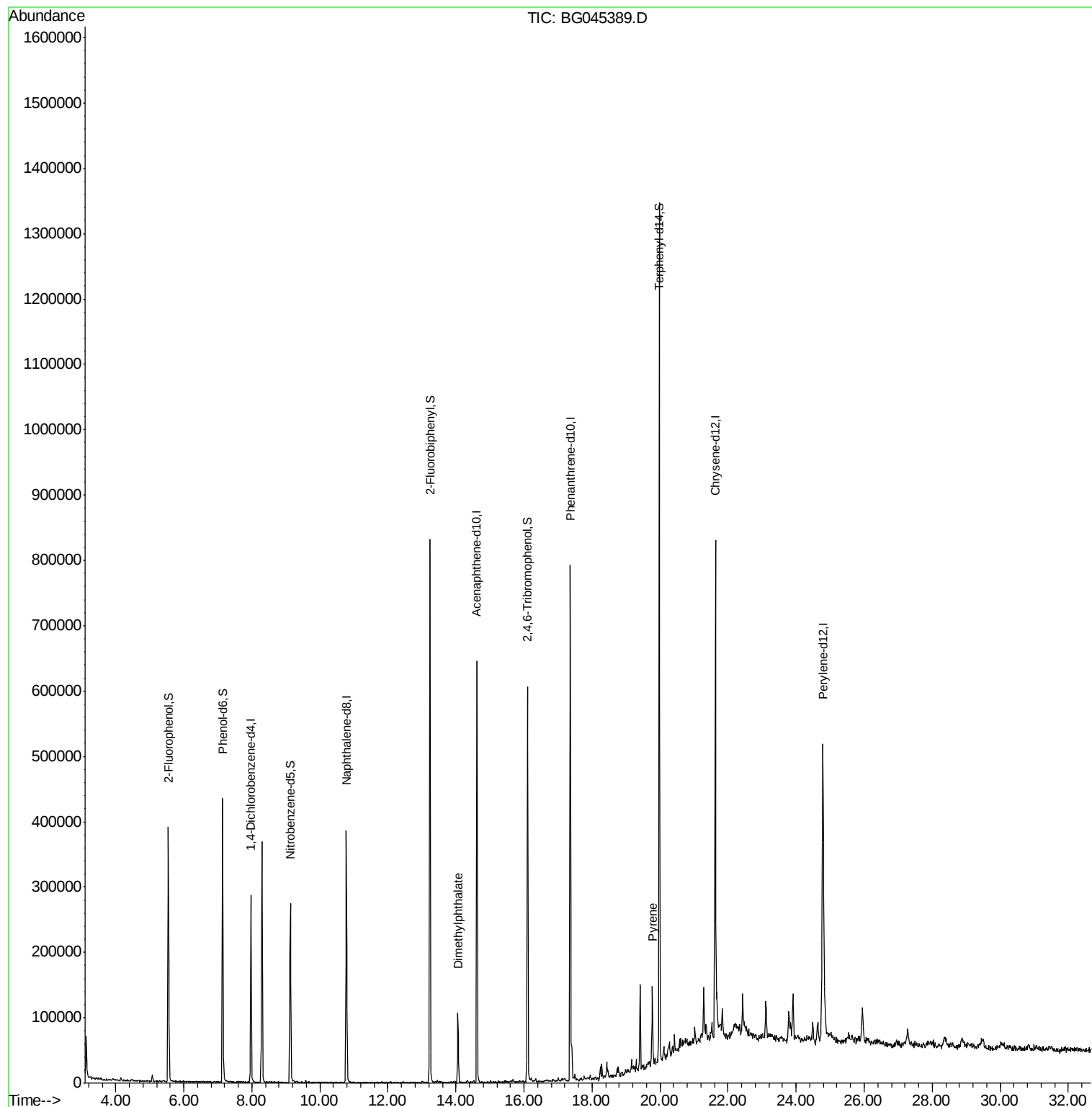
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.97  | 152  | 85195    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.78 | 136  | 356044   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.61 | 164  | 246577   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.36 | 188  | 520975   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.63 | 240  | 457782   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 24.79 | 264  | 498712   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 196131   | 38.01 | ng    | 0.00     |
| 7) Phenol-d6                | 7.14  | 99   | 286651   | 37.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 192823   | 24.71 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.10 | 330  | 125736   | 33.01 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.24 | 172  | 460637   | 27.39 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.97 | 244  | 655205   | 31.20 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 14.06 | 163  | 72401    | 3.606 | ng    | # 96     |
| 78) Pyrene                  | 19.77 | 202  | 84861    | 2.689 | ng    | # 91     |

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

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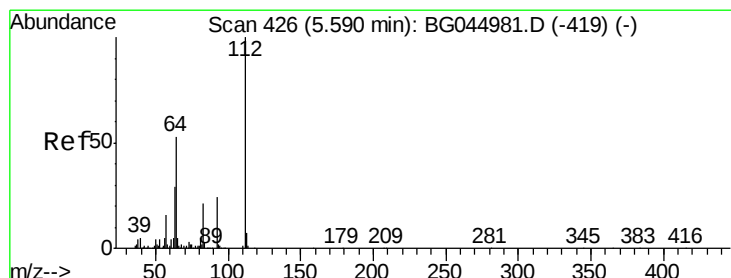
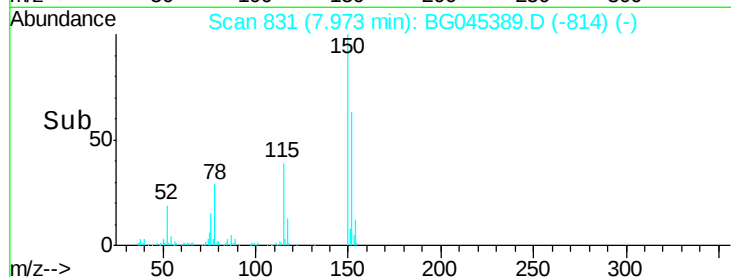
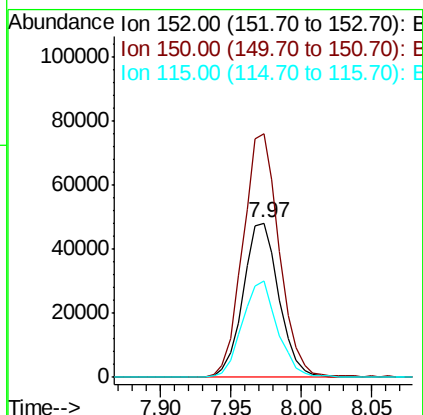
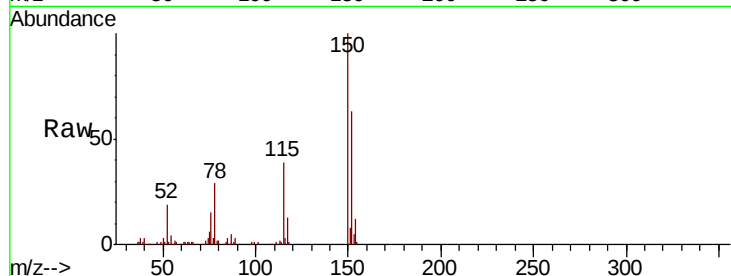


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.97 min Scan# 831  
Delta R.T. -0.00 min  
Lab File: BG045389.D  
Acq: 14 May 2020 22:31

Instrument :  
BNA\_G  
ClientSampleId :  
239996

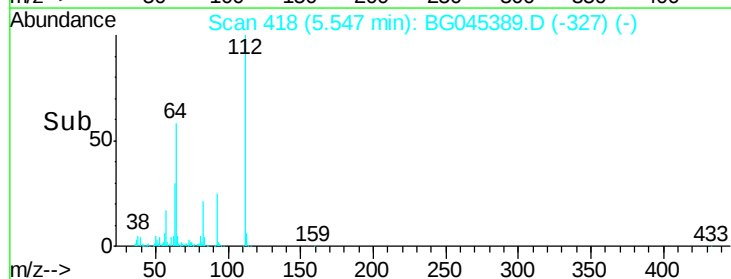
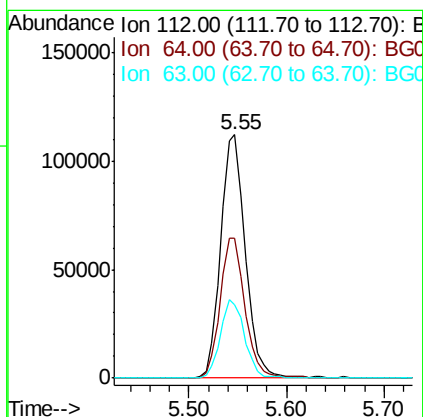
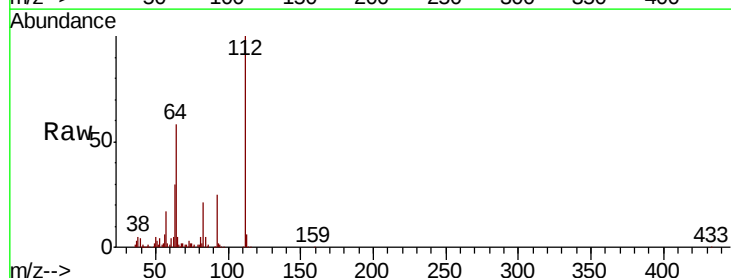
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.0 | 123.6 | 185.4 |
| 115     | 62.4  | 49.1  | 73.7  |

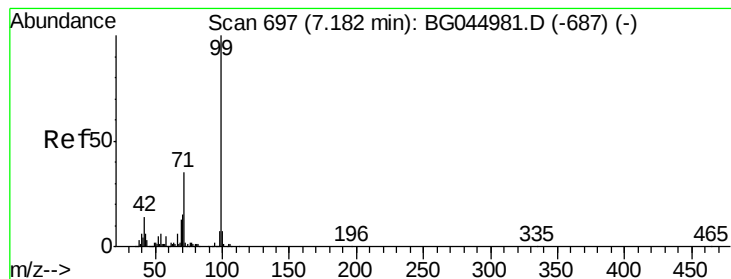


#5

2-Fluorophenol  
Concen: 38.007 ng  
RT: 5.55 min Scan# 418  
Delta R.T. 0.00 min  
Lab File: BG045389.D  
Acq: 14 May 2020 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.7  | 42.4  | 63.6  |
| 63      | 30.4  | 23.1  | 34.7  |





#7

Phenol-d6

Concen: 37.388 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA\_G

ClientSampleId :

239996

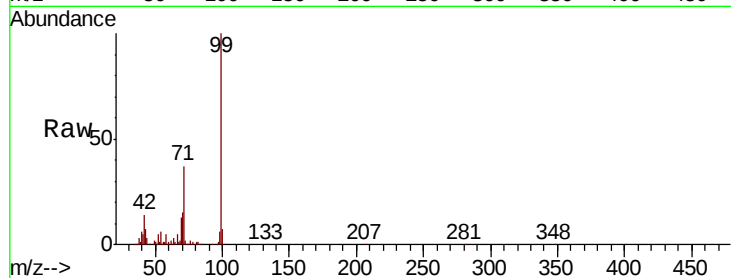
Tot Ion: 99 Resp: 286651

Ion Ratio Lower Upper

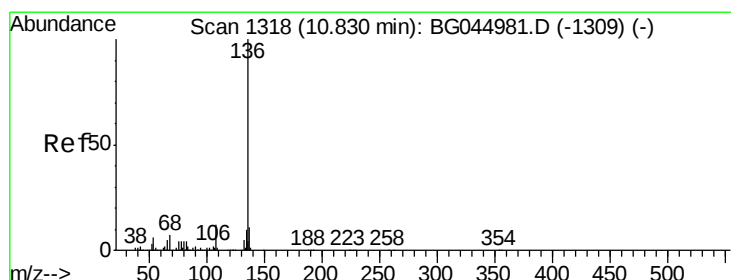
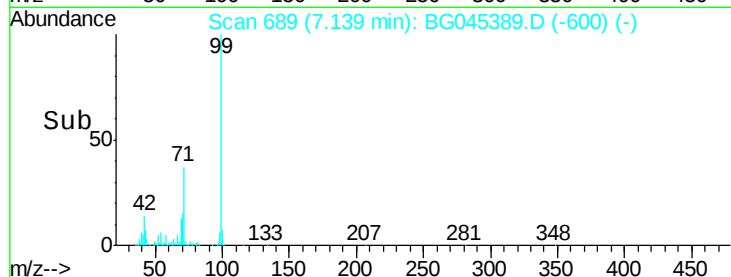
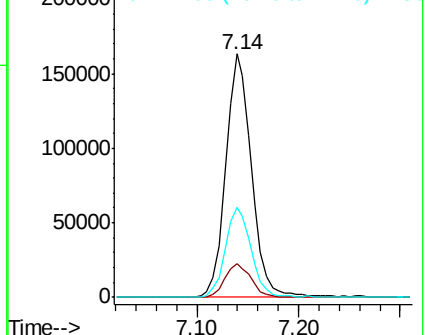
99 100

42 13.9 11.3 16.9

71 36.9 28.3 42.5



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: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Tgt Ion: 136 Resp: 356044

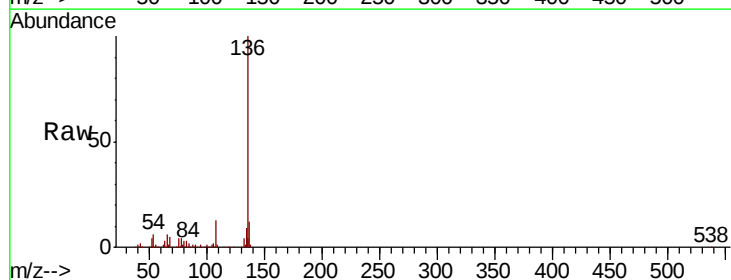
Ion Ratio Lower Upper

136 100

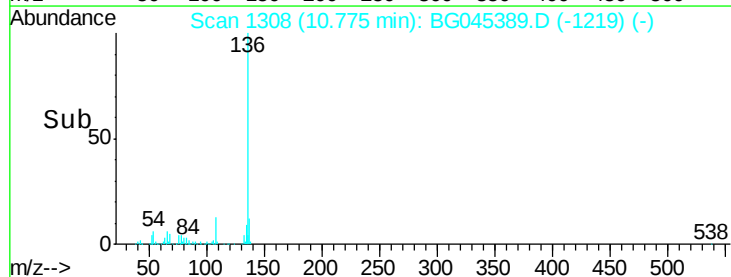
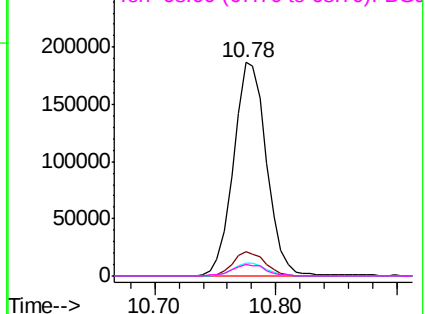
137 11.5 8.6 13.0

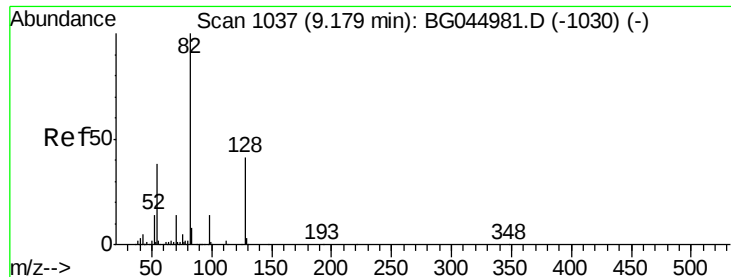
54 6.0 4.8 7.2

68 5.5 5.2 7.8



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

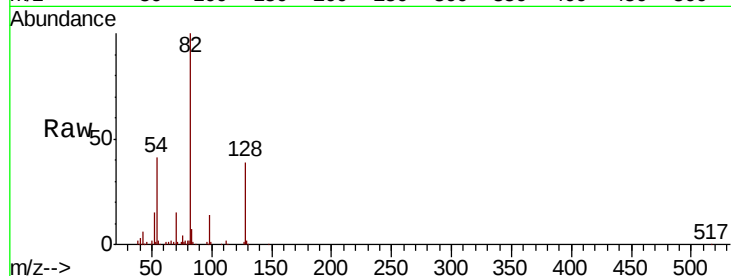




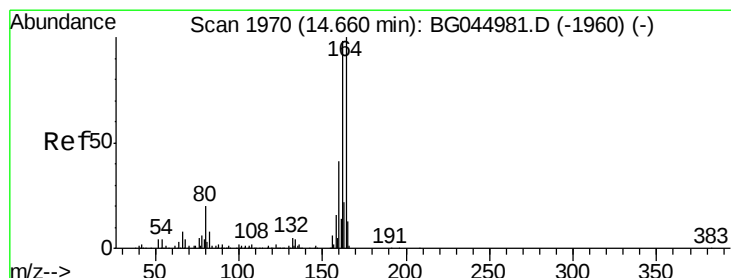
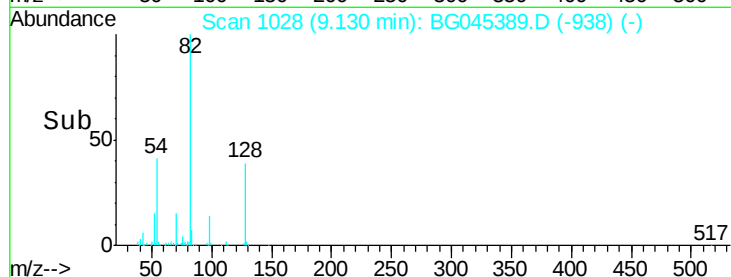
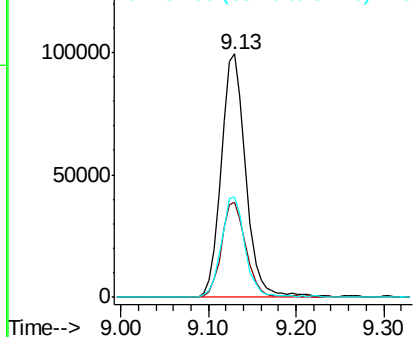
#23  
Nitrobenzene-d5  
Concen: 24.711 ng  
RT: 9.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BG045389.D  
Acq: 14 May 2020 22:31

Instrument :  
BNA\_G  
ClientSampled :  
239996

| Tot Ion   | 82    | Resp  | 192823 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.1  | 33.0  | 49.4   |
| 54        | 41.0  | 30.4  | 45.6   |

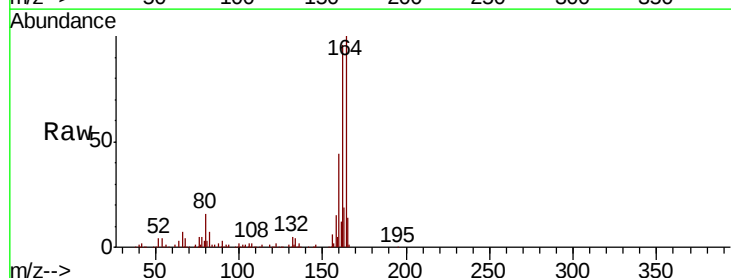


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

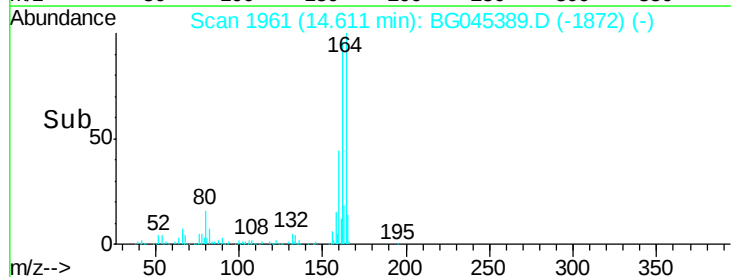
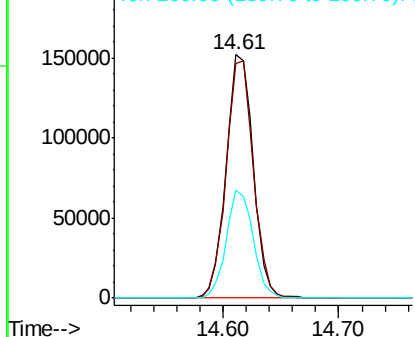


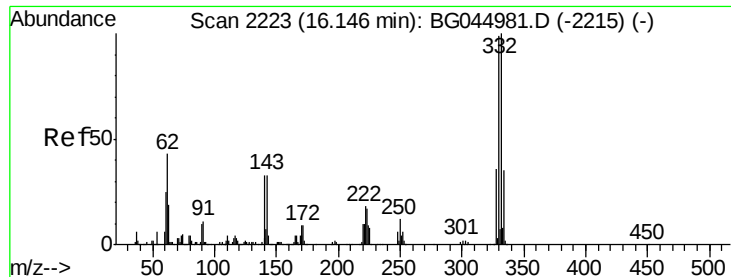
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.61 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: BG045389.D  
Acq: 14 May 2020 22:31

| Tgt Ion   | 164   | Resp  | 246577 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 96.3  | 78.7  | 118.1  |
| 160       | 44.3  | 32.8  | 49.2   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 33.008 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA\_G

ClientSampleId :

239996

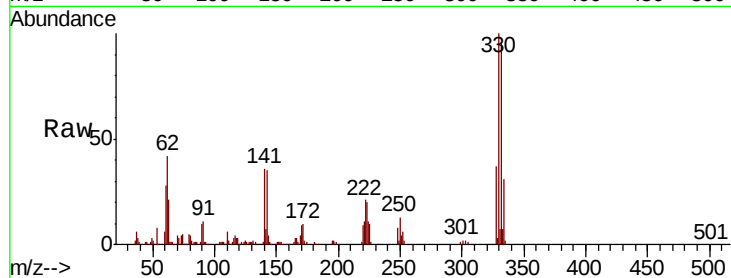
Tot Ion:330 Resp: 125736

Ion Ratio Lower Upper

330 100

332 98.1 79.1 118.7

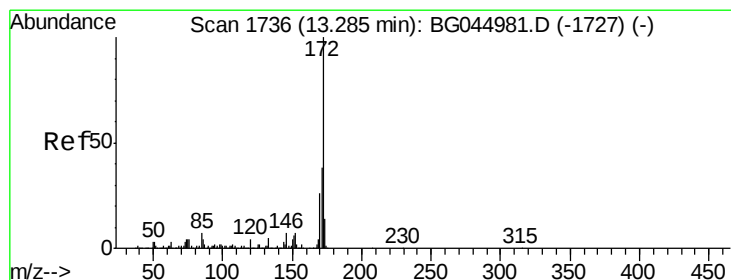
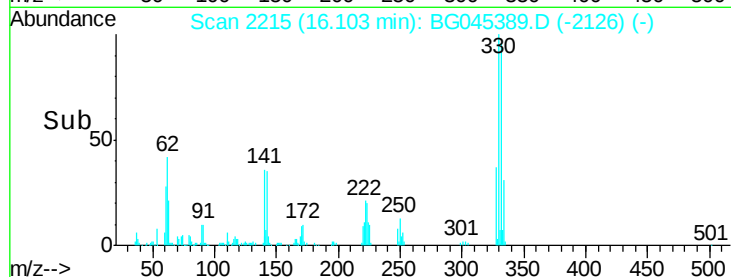
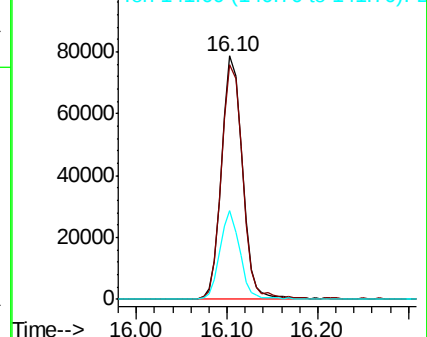
141 34.5 27.1 40.7



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: 27.393 ng

RT: 13.24 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

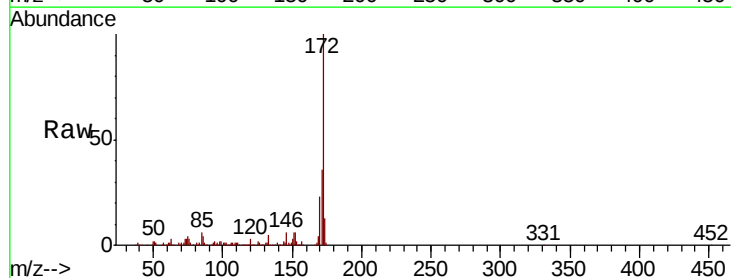
Tgt Ion:172 Resp: 460637

Ion Ratio Lower Upper

172 100

171 35.7 30.6 46.0

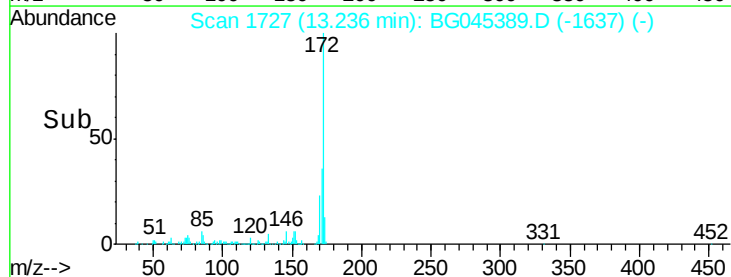
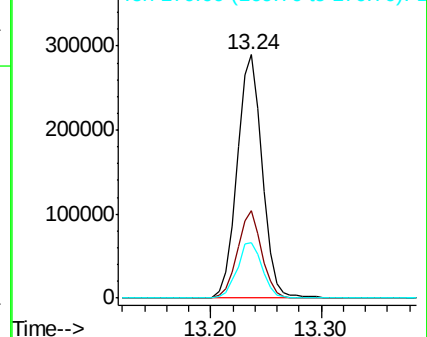
170 22.5 20.5 30.7

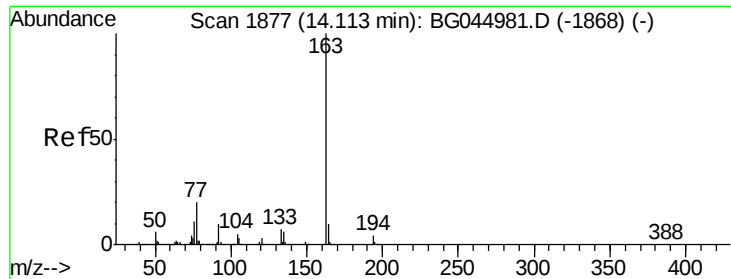


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.606 ng

RT: 14.06 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA\_G

ClientSampleId :

239996

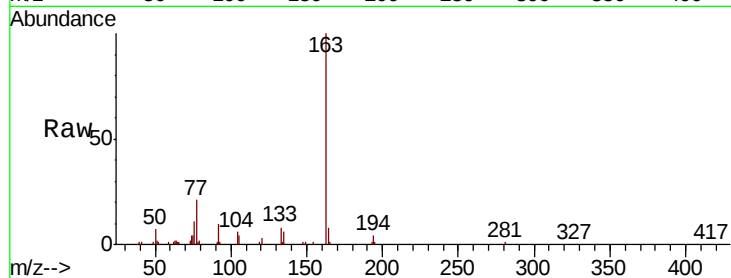
Tot Ion:163 Resp: 72401

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

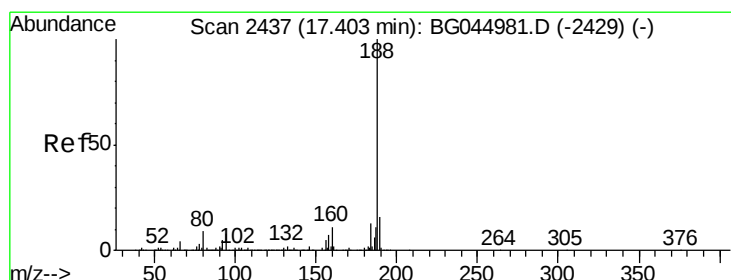
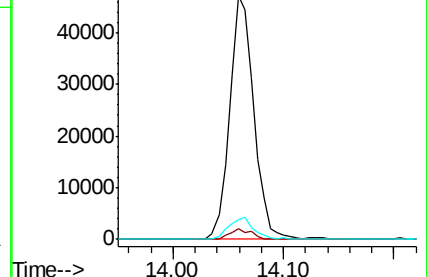
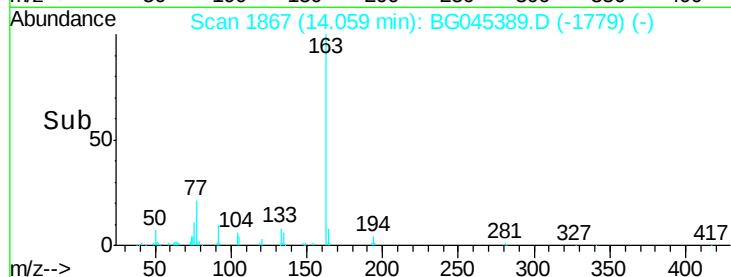
164 8.2 8.2 12.4#



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: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

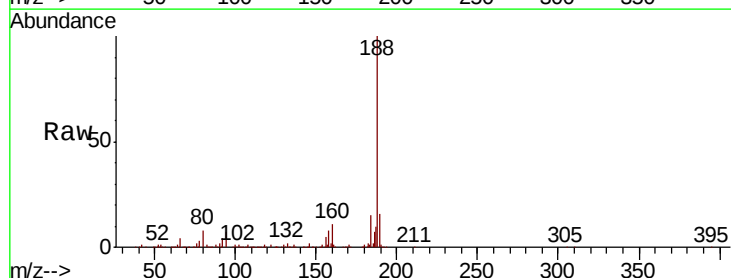
Tgt Ion:188 Resp: 520975

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

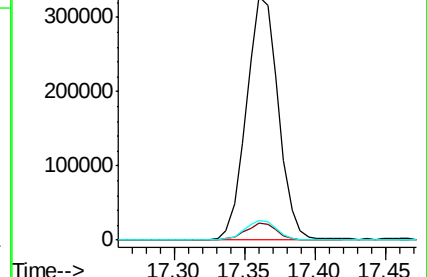
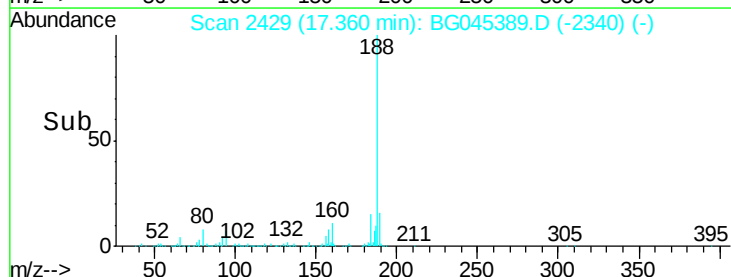
80 8.2 7.0 10.6



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: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA\_G

ClientSampleId :

239996

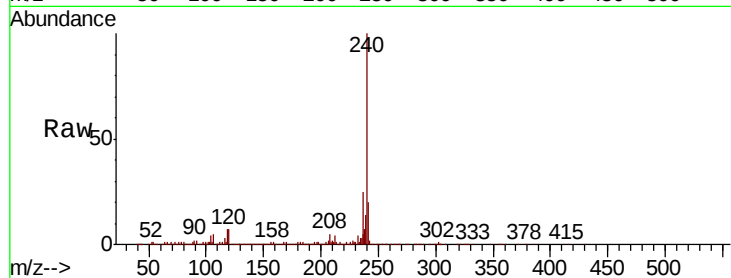
Tot Ion:240 Resp: 457782

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

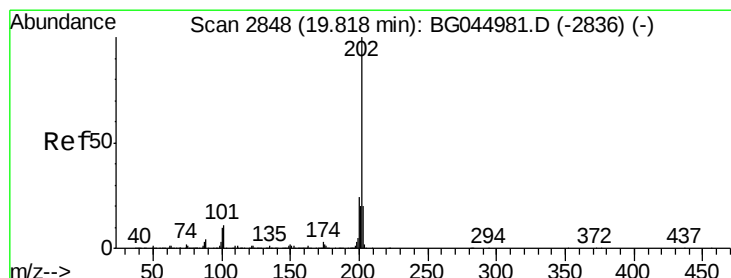
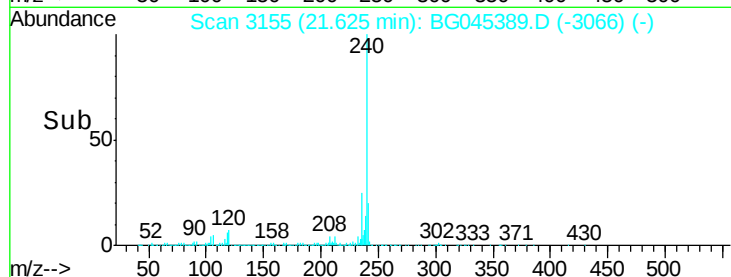
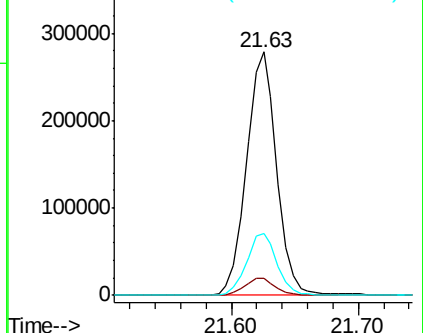
236 25.2 22.2 33.2



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



#78

Pyrene

Concen: 2.689 ng

RT: 19.77 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

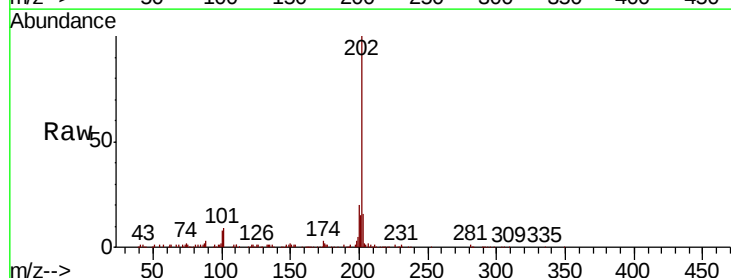
Tgt Ion:202 Resp: 84861

Ion Ratio Lower Upper

202 100

200 19.6 19.0 28.6

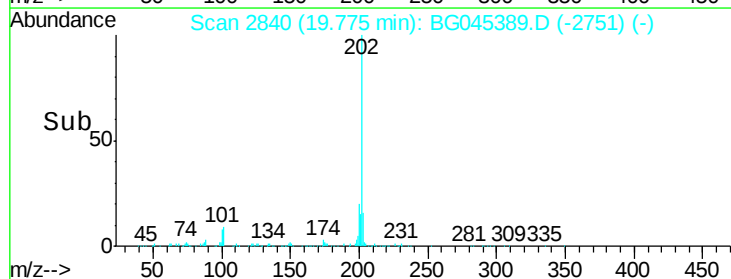
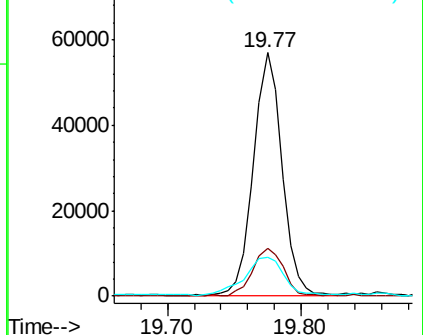
203 16.0 16.1 24.1#

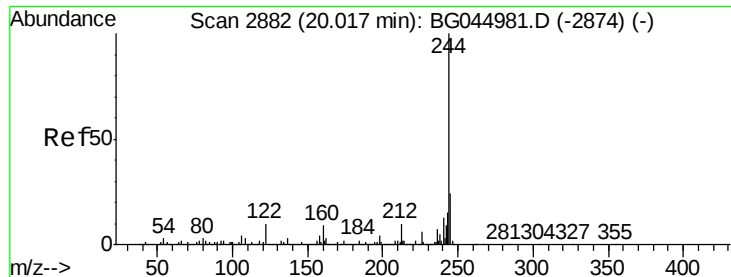


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 31.195 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

Instrument :

BNA\_G

ClientSampleId :

239996

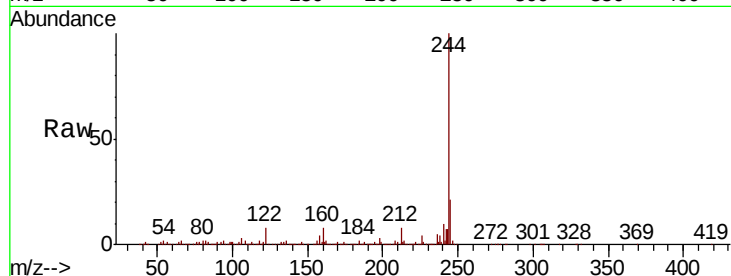
Tot Ion:244 Resp: 655205

Ion Ratio Lower Upper

244 100

212 8.1 7.9 11.9

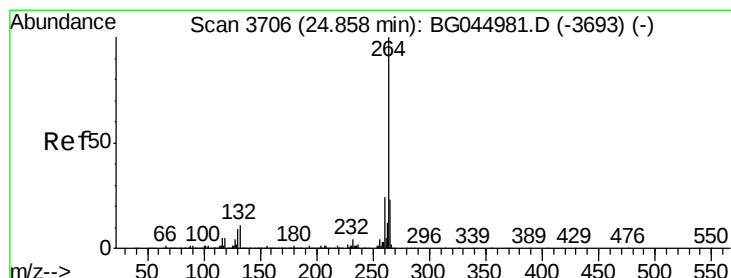
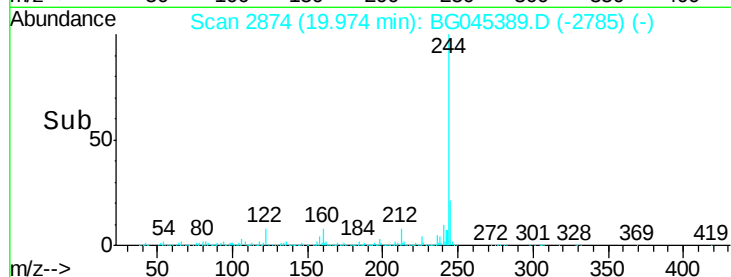
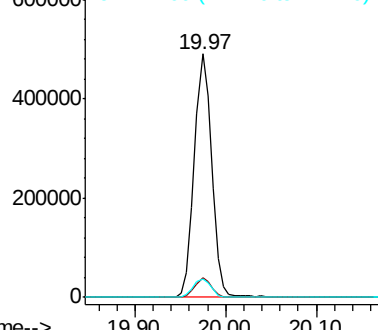
122 7.7 7.7 11.5



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: 24.79 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045389.D

Acq: 14 May 2020 22:31

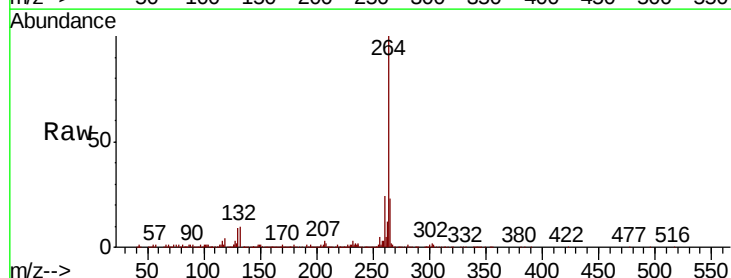
Tgt Ion:264 Resp: 498712

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.7 19.0 28.4



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

