

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\  
 Data File : BG043017.D  
 Acq On : 3 Oct 2019 18:27  
 Operator : JU  
 Sample : K5168-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2019071-SS-COMPOSITE-11

Quant Time: Oct 04 07:36:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

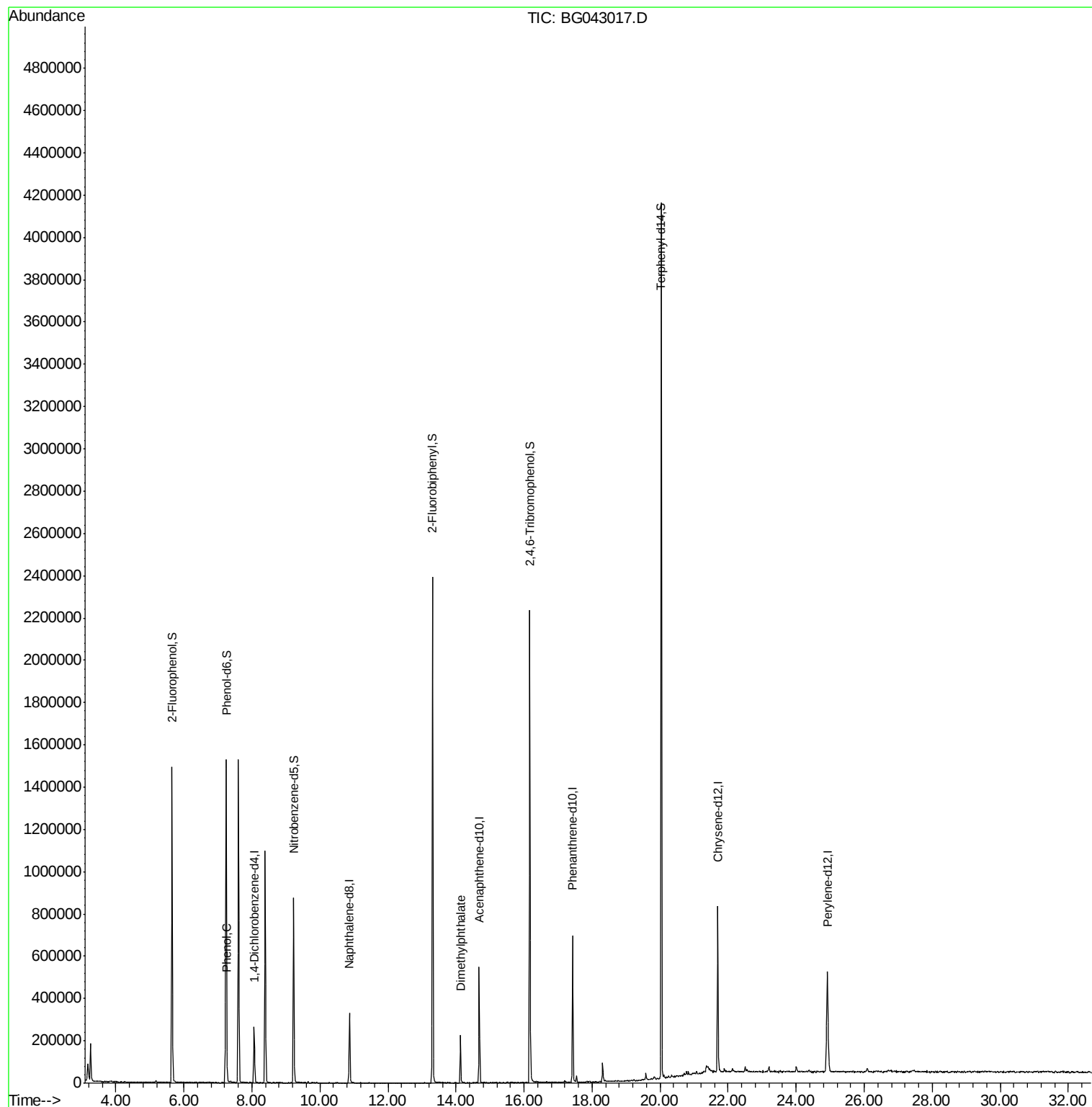
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 76071    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.87 | 136  | 285760   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.68 | 164  | 199632   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.43 | 188  | 455652   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.70 | 240  | 481635   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.92 | 264  | 548195   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 632078   | 148.29 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 911816   | 148.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 563671   | 95.88  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 500751   | 145.87 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1287988  | 93.53  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 2050407  | 90.72  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.27  | 94   | 26240    | 4.659  | ng    | 97       |
| 50) Dimethylphthalate       | 14.14 | 163  | 158436   | 10.592 | ng    | # 97     |

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

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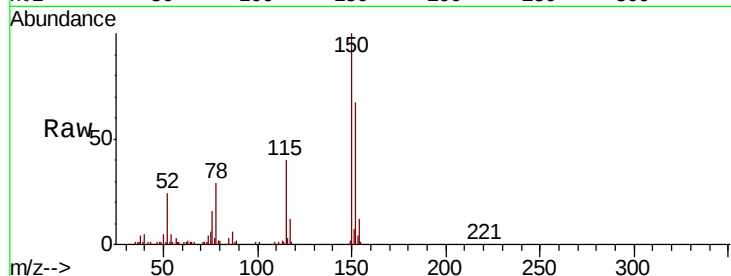


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

Instrument :  
BNA\_G  
ClientSampleId :  
2019071-SS-COMPOSITE-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.8 | 115.0 | 172.4 |
| 115     | 60.0  | 47.0  | 70.6  |

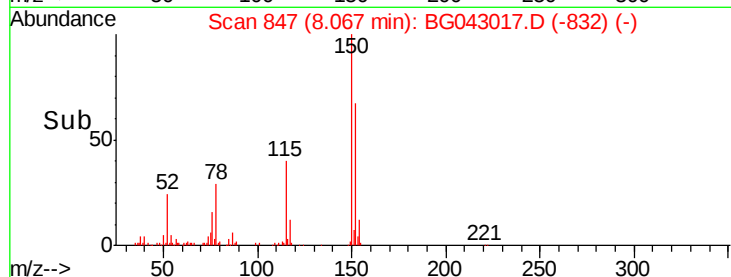
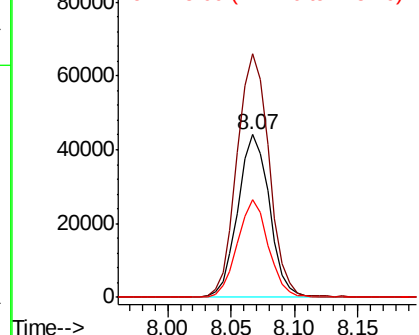


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

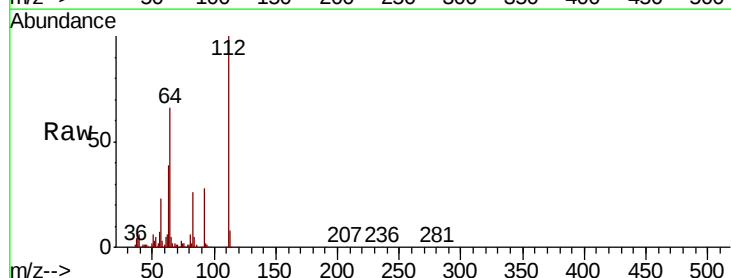
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 148.285 ng  
RT: 5.65 min Scan# 436  
Delta R.T. -0.01 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.1  | 56.6  | 84.8  |
| 63      | 38.8  | 35.1  | 52.7  |

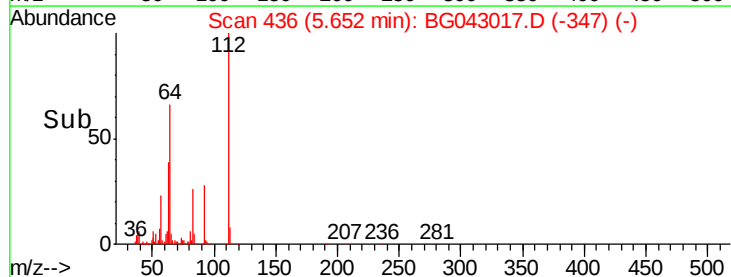
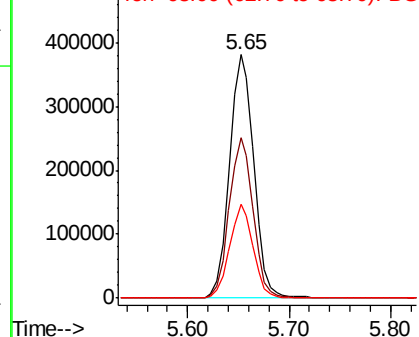


Abundance

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: 148.544 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

Instrument :

BNA\_G

ClientSampleId :

2019071-SS-COMPOSITE-11

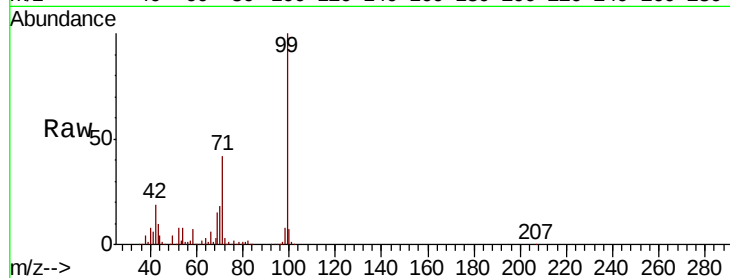
Tot Ion: 99 Resp: 911816

Ion Ratio Lower Upper

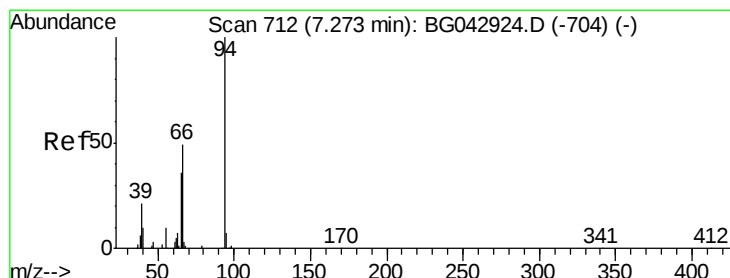
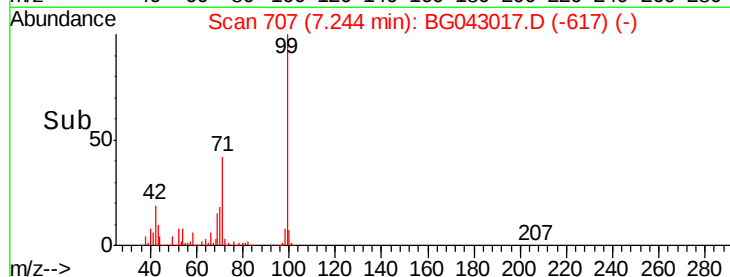
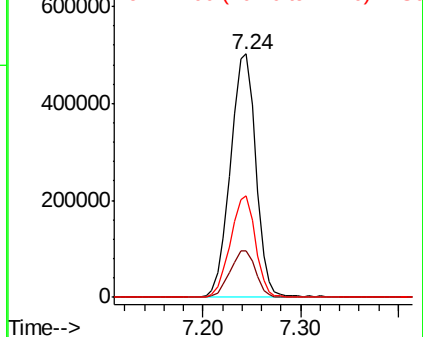
99 100

42 19.1 17.2 25.8

71 41.6 33.1 49.7



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: 4.659 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

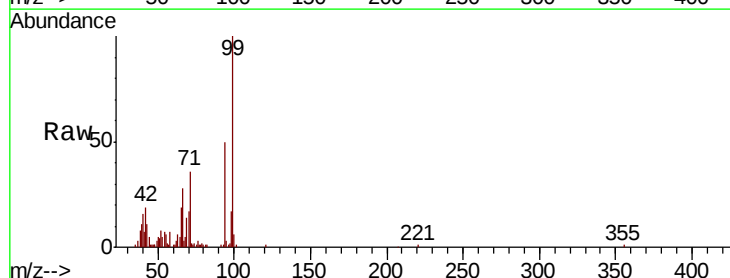
Tgt Ion: 94 Resp: 26240

Ion Ratio Lower Upper

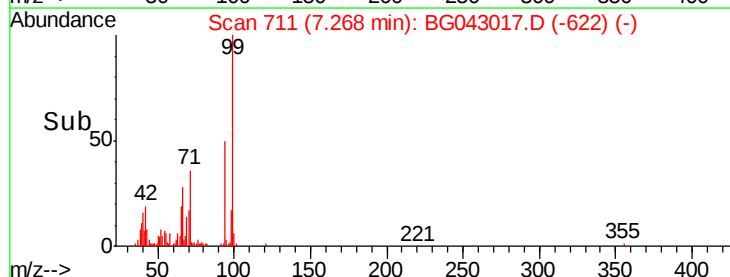
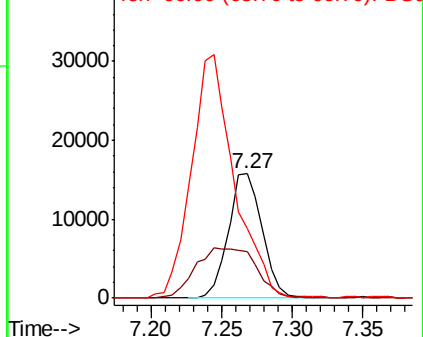
94 100

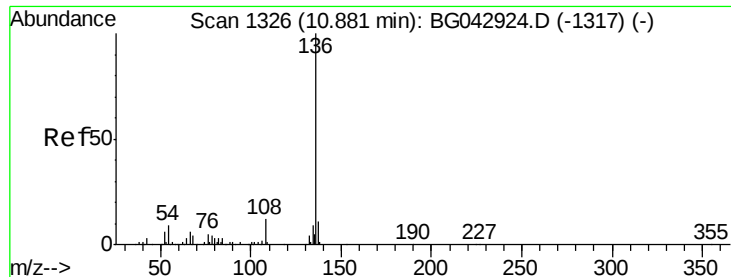
65 37.3 16.6 56.6

66 55.6 32.4 72.4



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

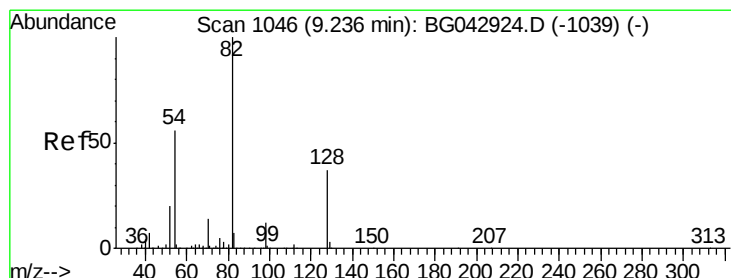
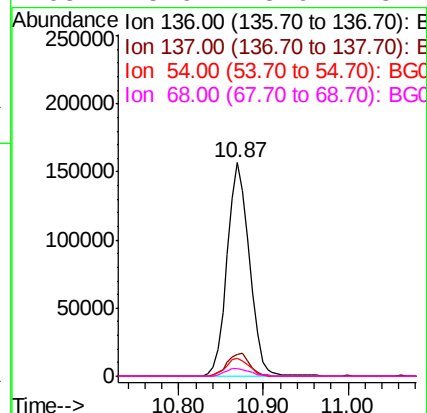
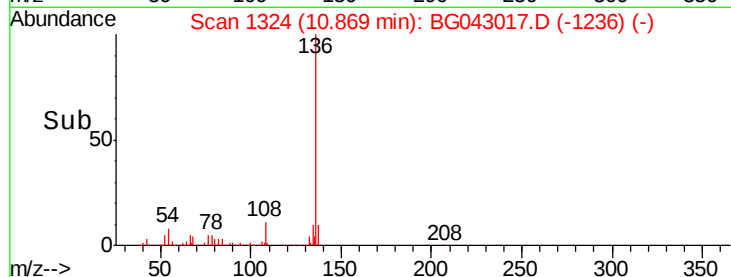
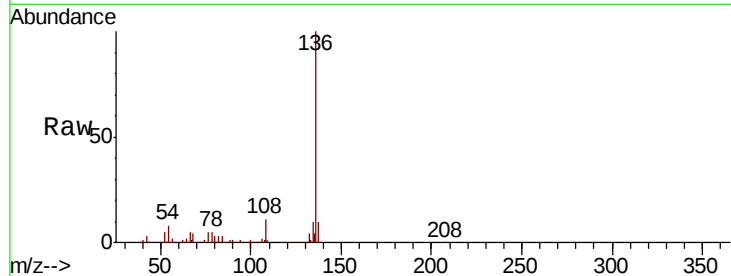




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

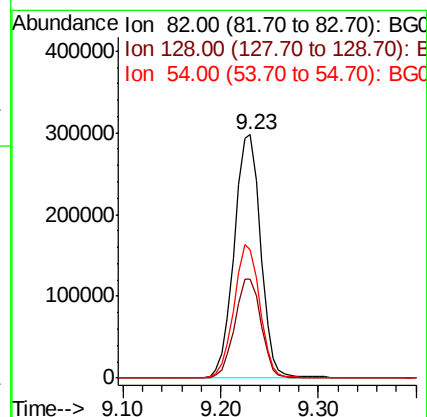
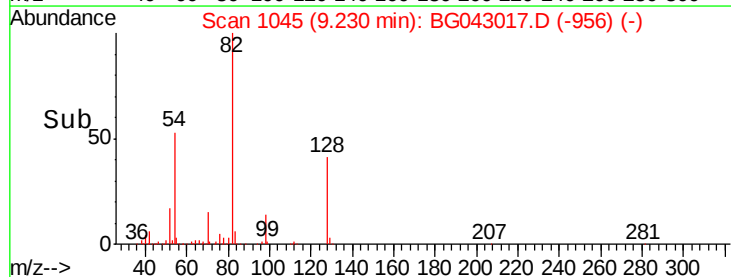
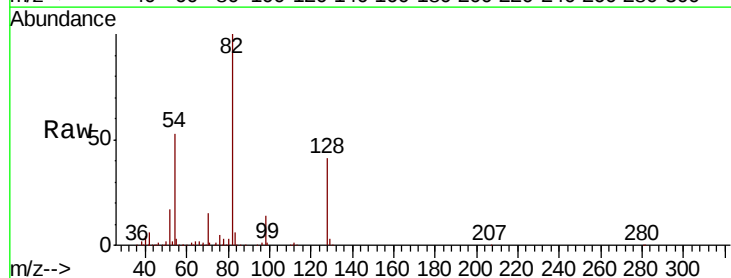
Instrument :  
BNA\_G  
ClientSampleId :  
2019071-SS-COMPOSITE-11

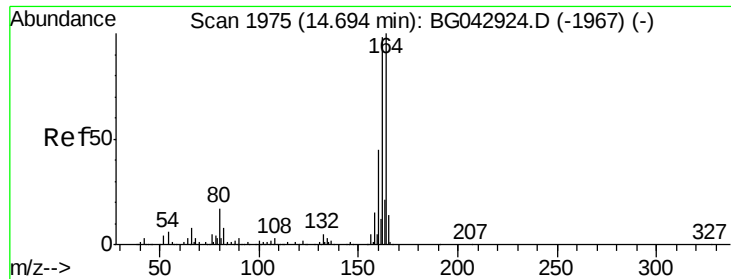
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 285760 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.4    | 8.5   | 12.7   |  |
| 54 8.1      | 7.4   | 11.2   |  |
| 68 3.6      | 3.6   | 5.4    |  |



#23  
Nitrobenzene-d5  
Concen: 95.875 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 563671 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 40.7    | 29.5 44.3    |
| 54 52.6     | 44.6 67.0    |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

Instrument :

BNA\_G

ClientSampleId :

2019071-SS-COMPOSITE-11

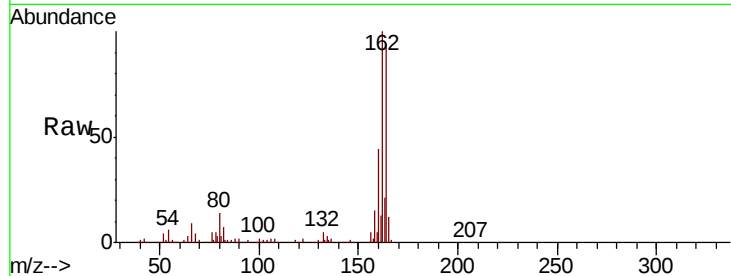
Tot Ion:164 Resp: 199632

Ion Ratio Lower Upper

164 100

162 106.1 78.5 117.7

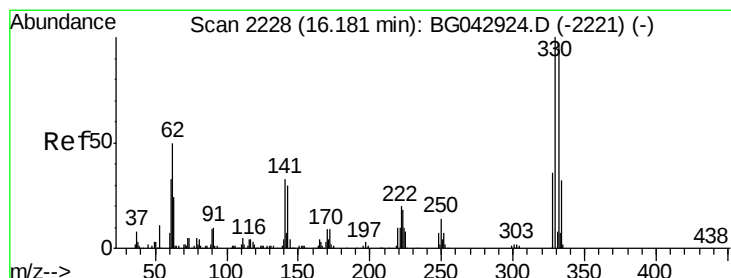
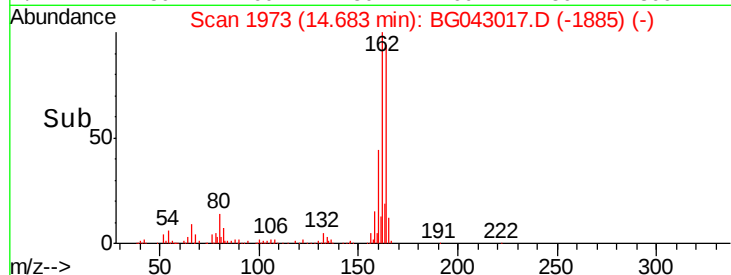
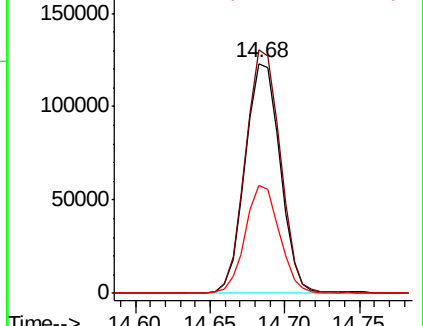
160 46.9 35.9 53.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 145.873 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

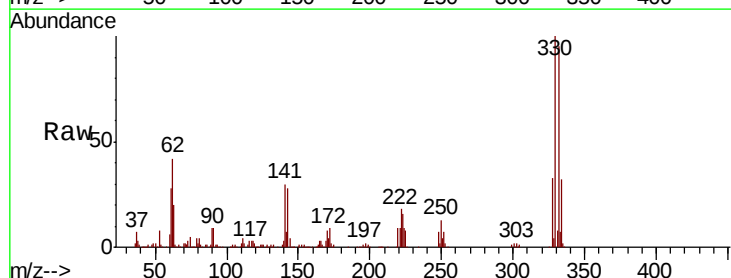
Tgt Ion:330 Resp: 500751

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.2

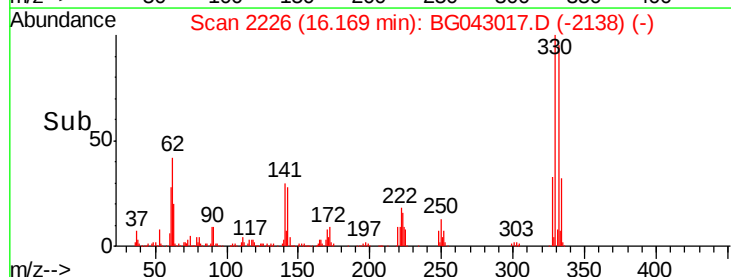
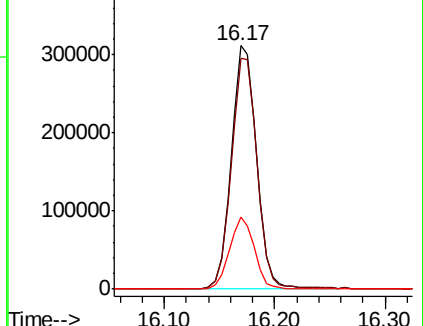
141 29.2 26.0 39.0

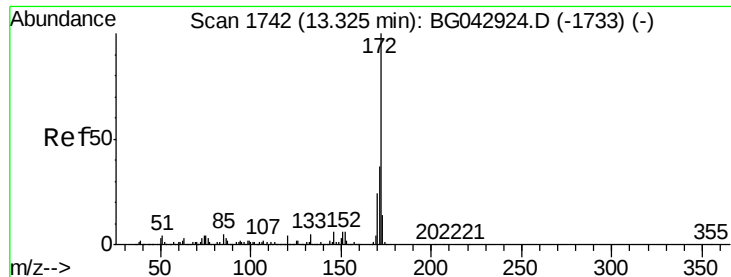


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

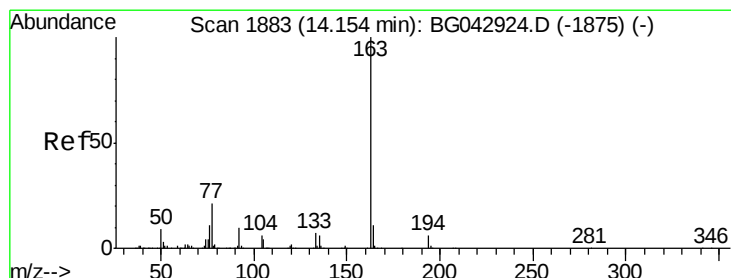
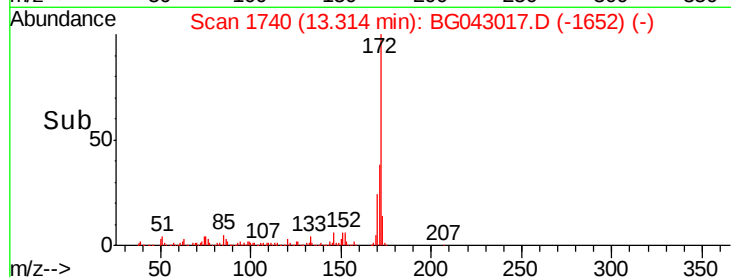
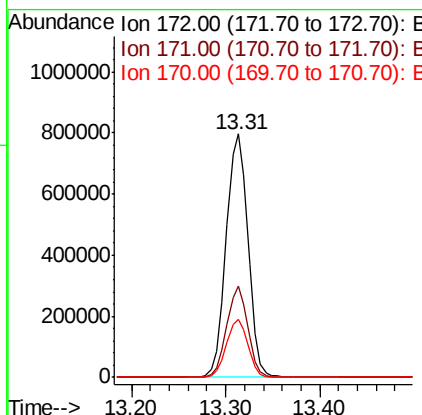
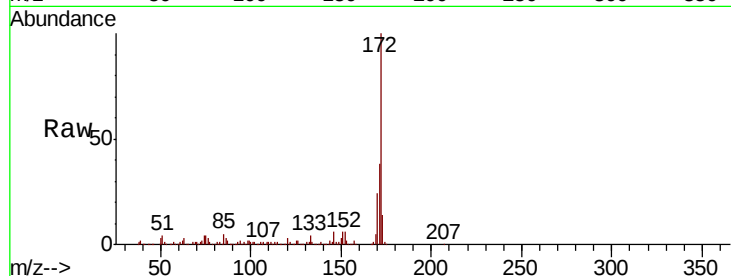




#45  
2-Fluorobiphenyl  
Concen: 93.532 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

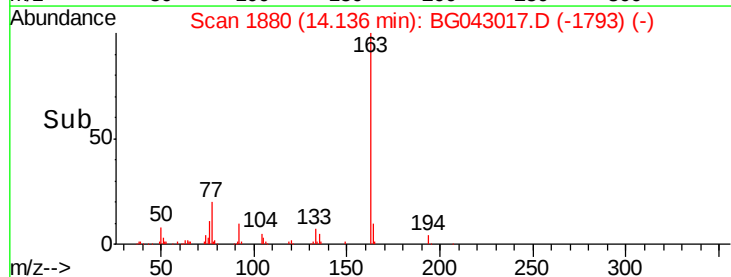
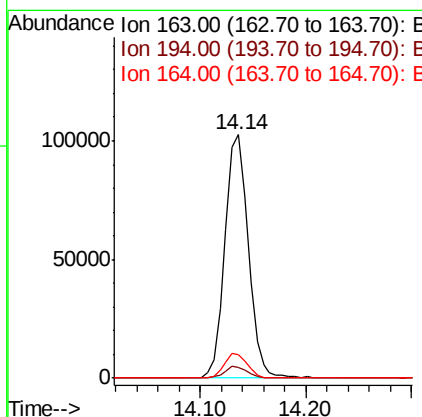
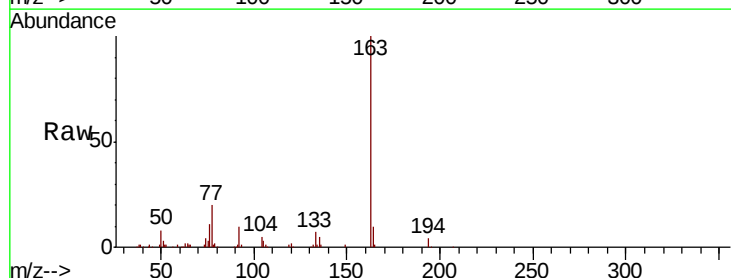
Instrument :  
BNA\_G  
ClientSampleId :  
2019071-SS-COMPOSITE-11

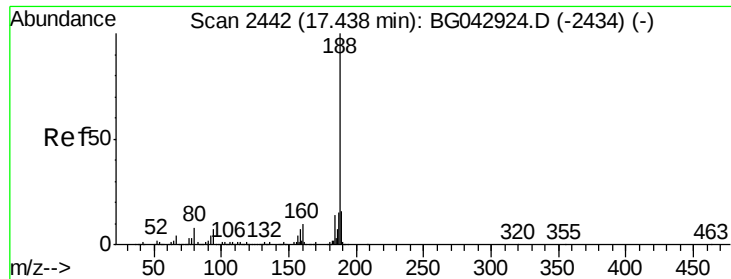
Tot Ion:172 Resp: 1287988  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.6 44.4  
170 24.0 19.6 29.4



#50  
Dimethylphthalate  
Concen: 10.592 ng  
RT: 14.14 min Scan# 1880  
Delta R.T. -0.02 min  
Lab File: BG043017.D  
Acq: 3 Oct 2019 18:27

Tgt Ion:163 Resp: 158436  
Ion Ratio Lower Upper  
163 100  
194 4.2 4.4 6.6#  
164 9.6 8.6 12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

Instrument :

BNA\_G

ClientSampleId :

2019071-SS-COMPOSITE-11

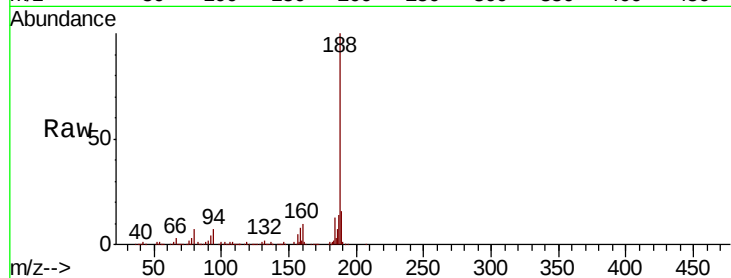
Tot Ion:188 Resp: 455652

Ion Ratio Lower Upper

188 100

94 6.5 5.7 8.5

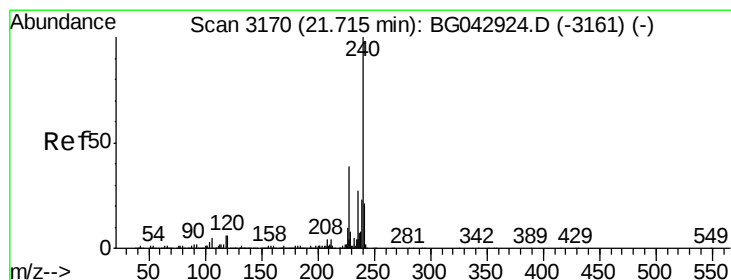
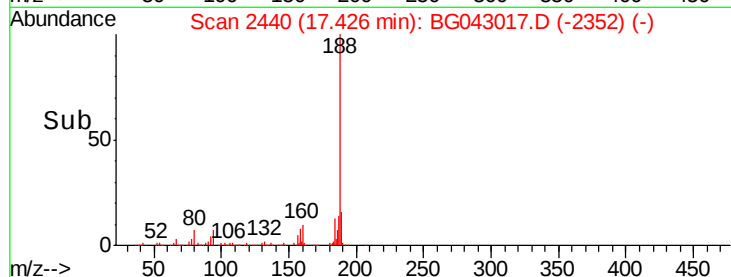
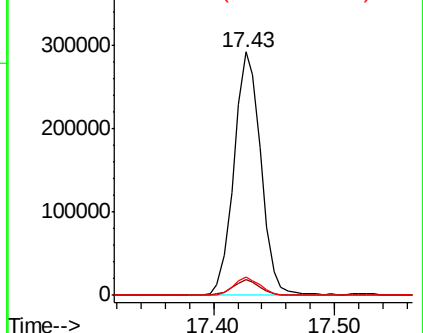
80 7.4 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

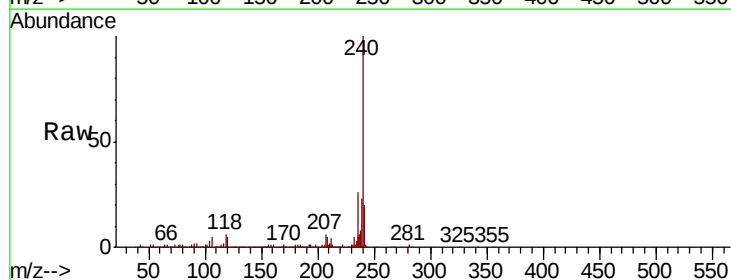
Tgt Ion:240 Resp: 481635

Ion Ratio Lower Upper

240 100

120 5.5 4.8 7.2

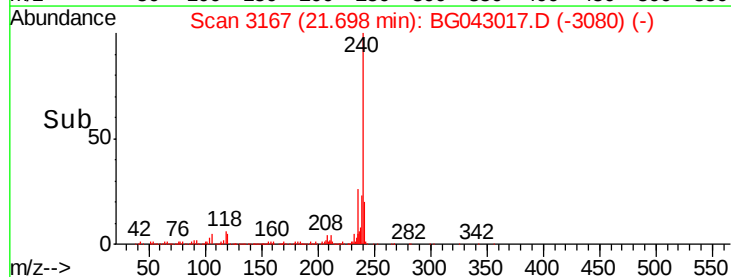
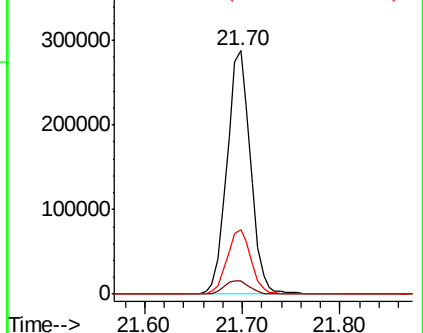
236 26.3 21.4 32.0

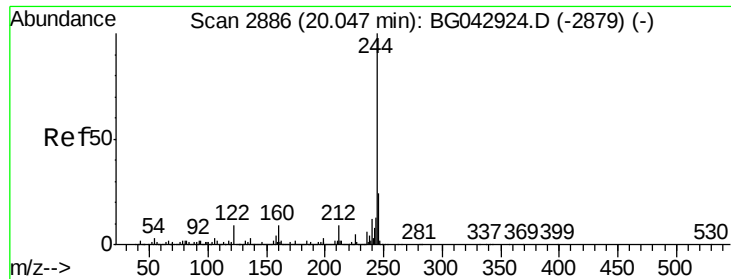


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 90.715 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

Instrument :

BNA\_G

ClientSampleId :

2019071-SS-COMPOSITE-11

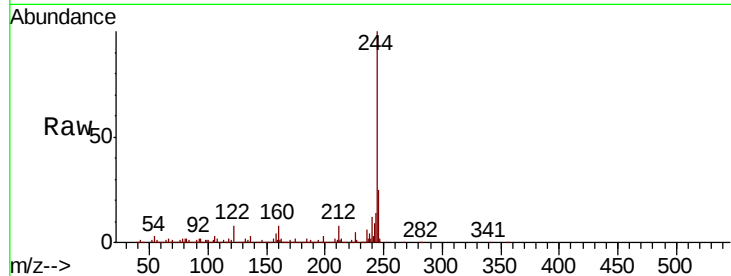
Tot Ion:244 Resp: 2050407

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.0

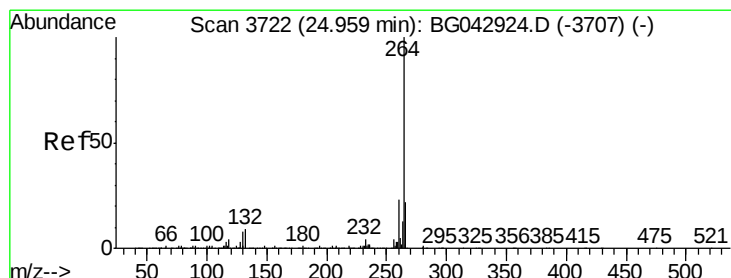
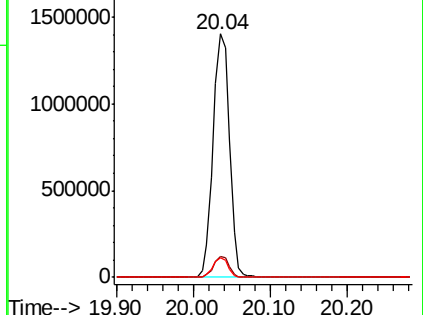
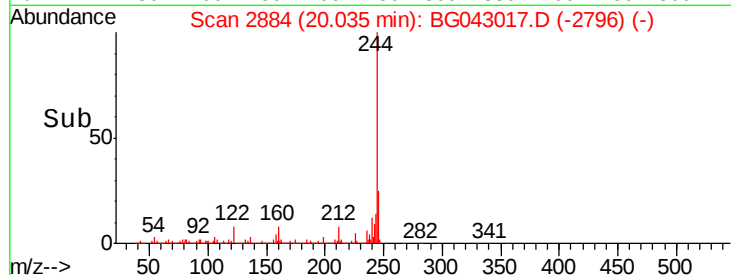
122 8.0 7.0 10.4



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# 3715

Delta R.T. -0.04 min

Lab File: BG043017.D

Acq: 3 Oct 2019 18:27

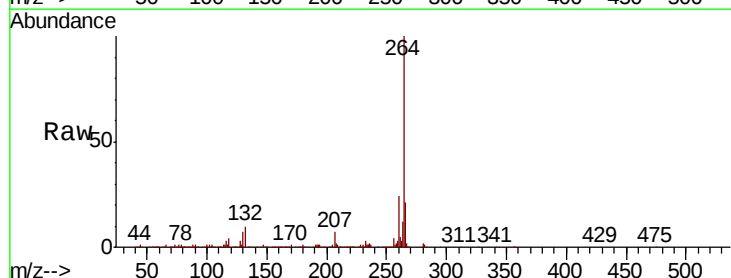
Tgt Ion:264 Resp: 548195

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 20.9 17.7 26.5



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

