

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\  
 Data File : BG033391.D  
 Acq On : 28 Mar 2018 18:21  
 Operator : SJ/JU  
 Sample : J2072-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AB2

Quant Time: Mar 29 08:03:43 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

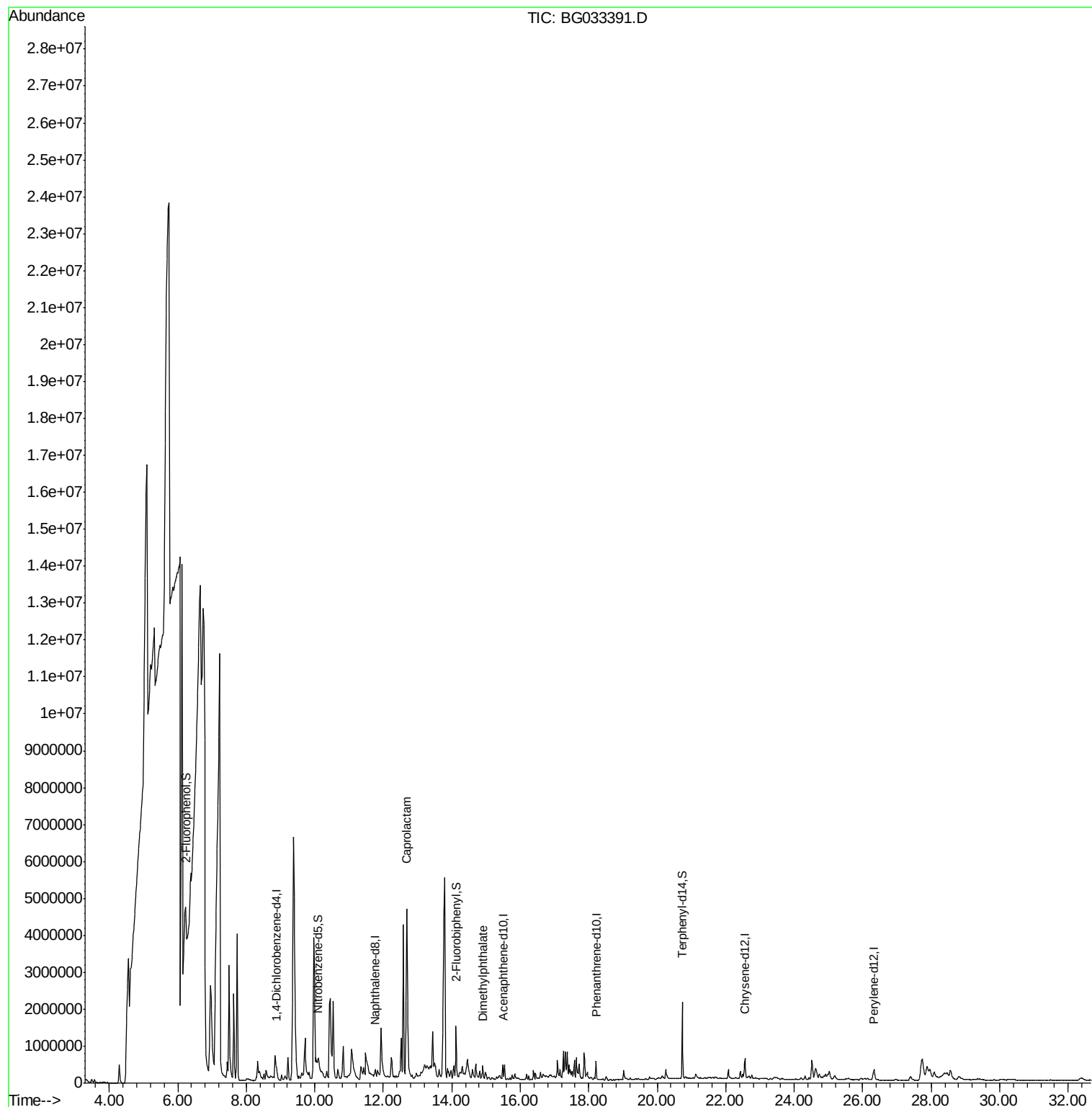
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|---------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.89  | 152  | 57482    | 20.00   | ng    | 0.00        |
| 21) Naphthalene-d8          | 11.77 | 136  | 221687   | 20.00   | ng    | 0.00        |
| 38) Acenaphthene-d10        | 15.49 | 164  | 149060   | 20.00   | ng    | 0.00        |
| 63) Phenanthrene-d10        | 18.21 | 188  | 351288   | 20.00   | ng    | 0.00        |
| 75) Chrysene-d12            | 22.56 | 240  | 374195   | 20.00   | ng    | 0.00        |
| 86) Perylene-d12            | 26.33 | 264  | 401507   | 20.00   | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |         |       |             |
| 5) 2-Fluorophenol           | 6.24  | 112  | 7520     | 2.45    | ng    | -0.05       |
| 7) Phenol-d6                | 0.00  | 99   | 0d       | 0.00    | ng    |             |
| 23) Nitrobenzene-d5         | 10.11 | 82   | 387951   | 80.40   | ng    | 0.03        |
| 41) 2,4,6-Tribromophenol    | 16.97 | 330  | 2568     | 1.15    | ng    | 0.02        |
| 44) 2-Fluorobiphenyl        | 14.13 | 172  | 781948   | 75.73   | ng    | 0.02        |
| 78) Terphenyl-d14           | 20.73 | 244  | 1031250  | 58.94   | ng    | 0.00        |
| Target Compounds            |       |      |          |         |       |             |
| 35) Caprolactam             | 12.69 | 113  | 175257   | 128.062 | ng    | Qvalue # 60 |
| 49) Dimethylphthalate       | 14.91 | 163  | 73040    | 5.630   | ng    | 96          |

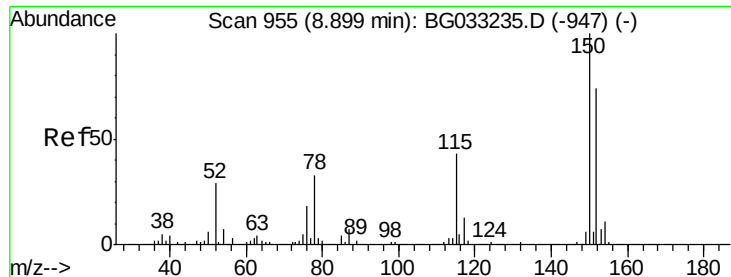
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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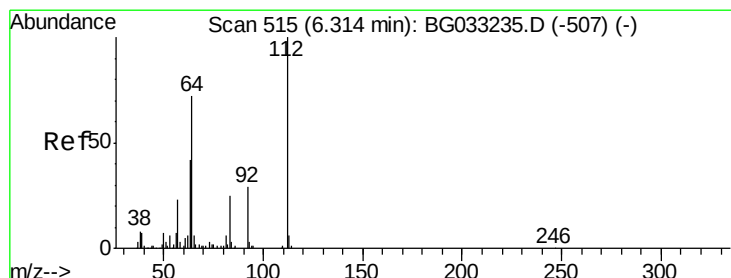
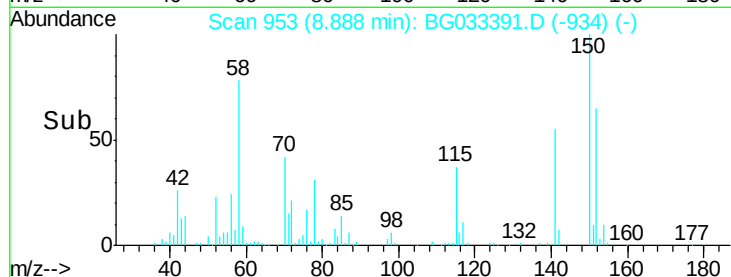
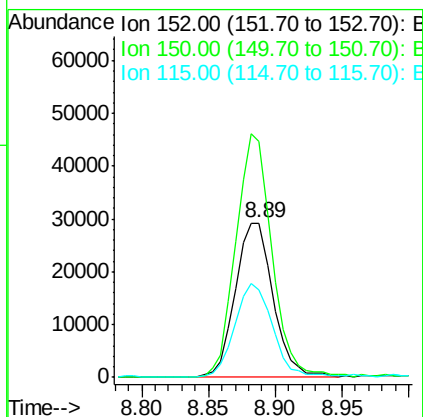
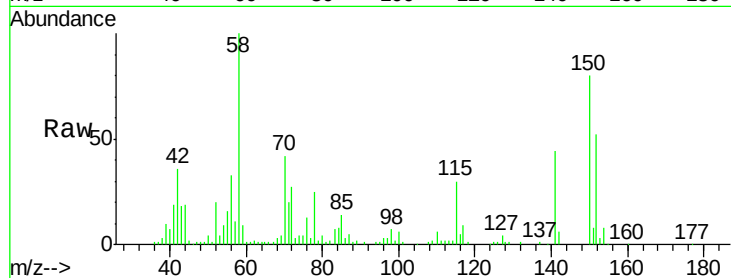


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

Instrument :  
BNA\_G  
ClientSampleId :  
C0AB2

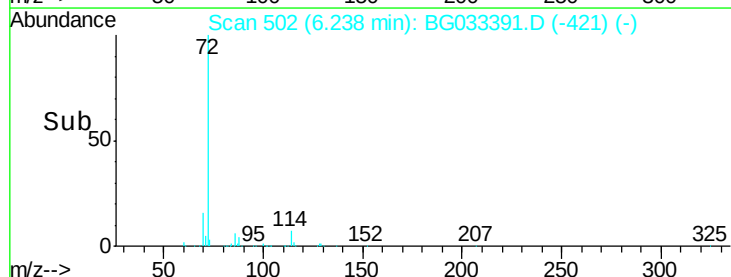
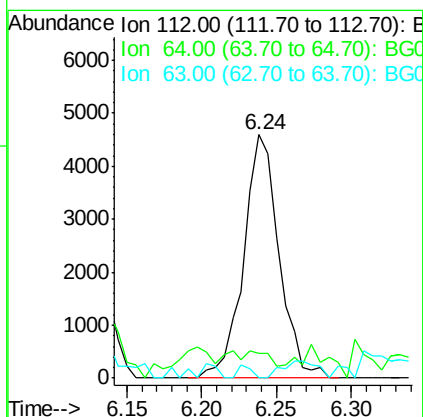
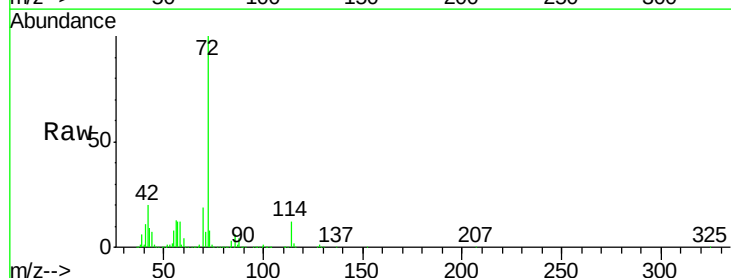
Tot Ion:152 Resp: 57482  
Ion Ratio Lower Upper  
152 100  
150 153.2 126.6 189.8  
115 56.8 53.0 79.4

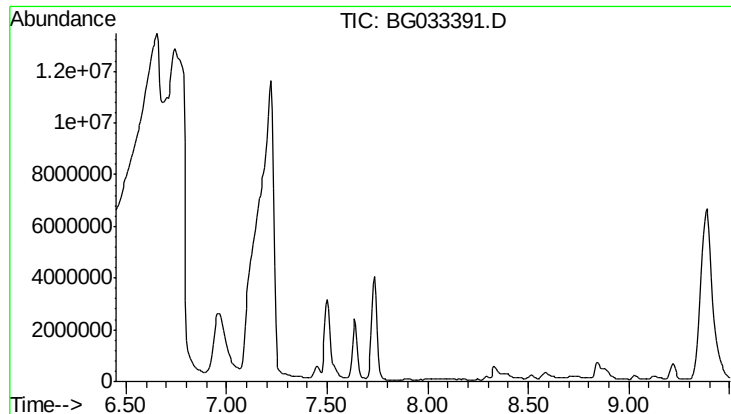


#5

2-Fluorophenol  
Concen: 2.453 ng  
RT: 6.24 min Scan# 502  
Delta R.T. -0.05 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

Tgt Ion:112 Resp: 7520  
Ion Ratio Lower Upper  
112 100  
64 10.0 56.3 84.5#  
63 0.0 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.98 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

Instrument :

BNA\_G

ClientSampleId :

C0AB2

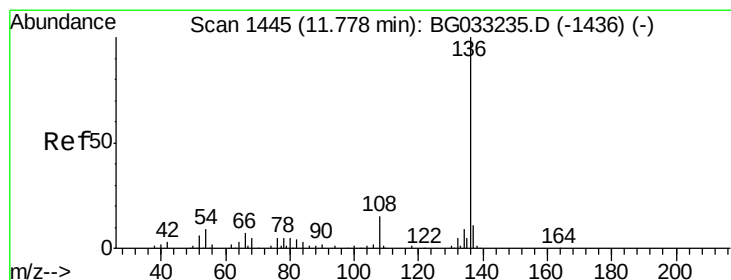
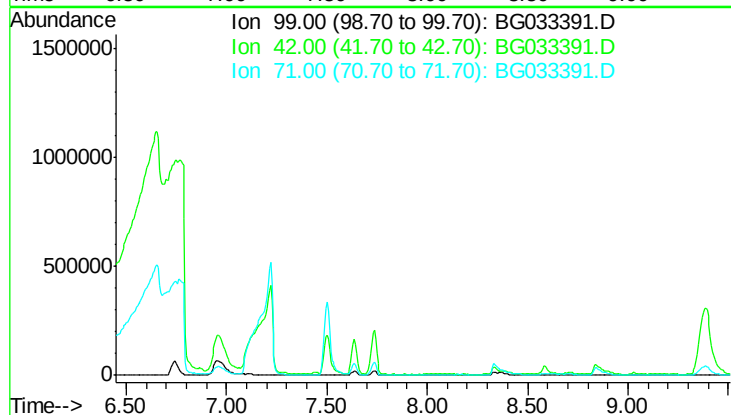
Tot Ion: 99

Sig Exp Ratio

99 100

42 17.6

71 32.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.77 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

Tgt Ion: 136 Resp: 221687

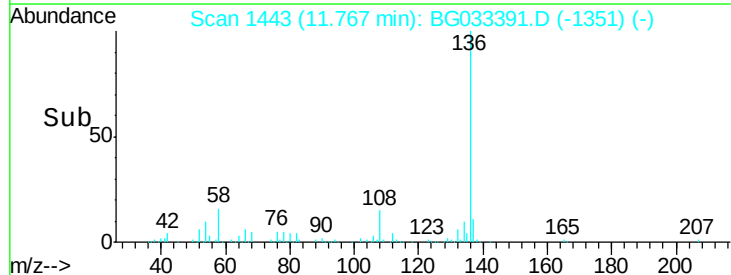
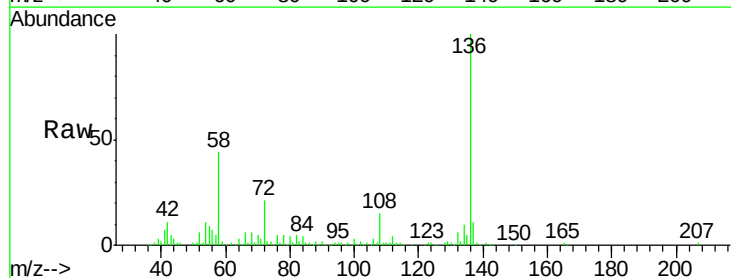
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 11.2 10.3 15.5

68 5.8 4.5 6.7

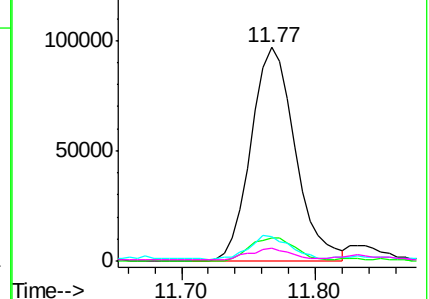


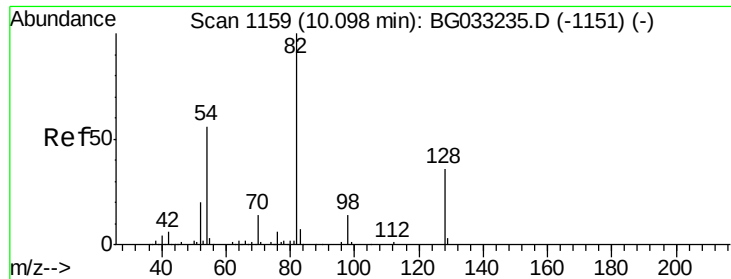
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

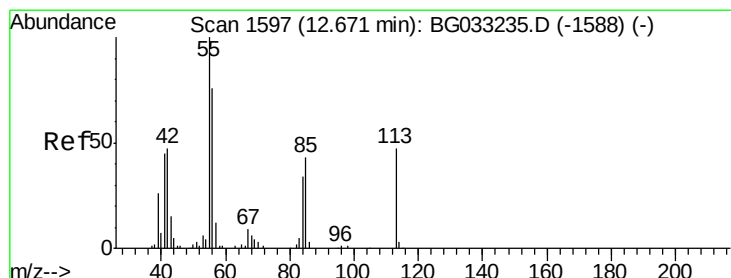
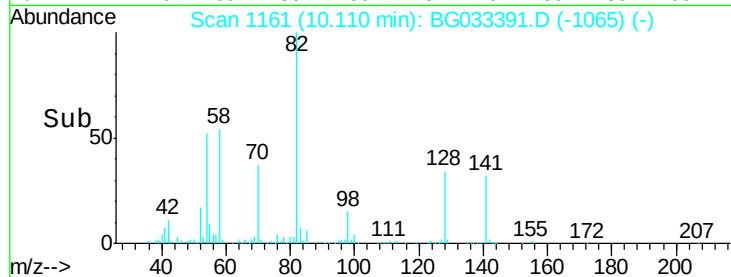
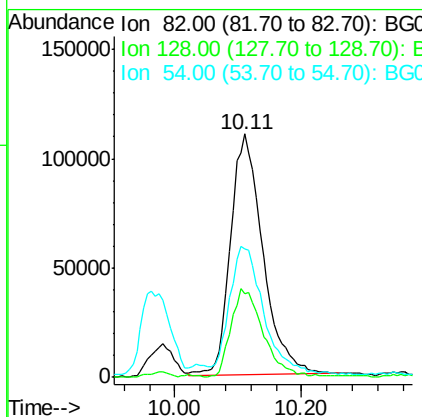
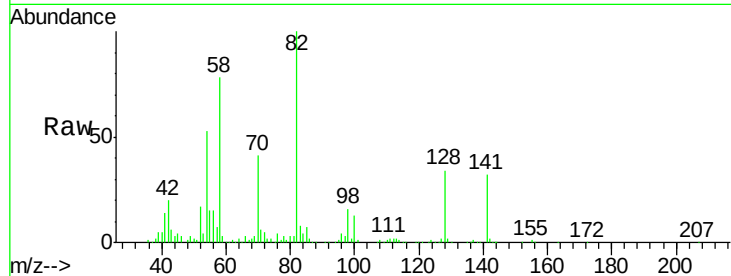




#23  
Nitrobenzene-d5  
Concen: 80.402 ng  
RT: 10.11 min Scan# 1161  
Delta R.T. 0.03 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

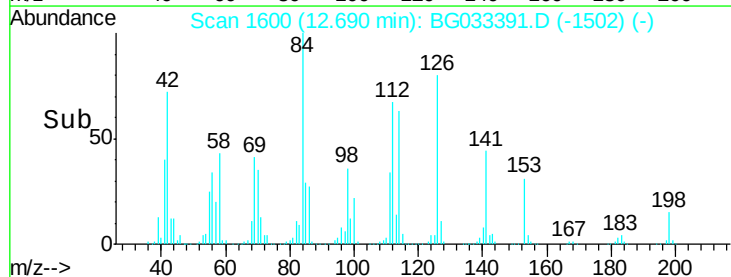
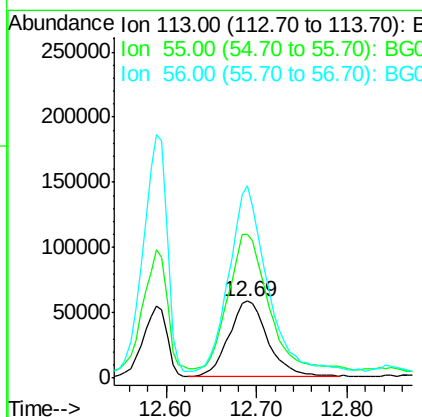
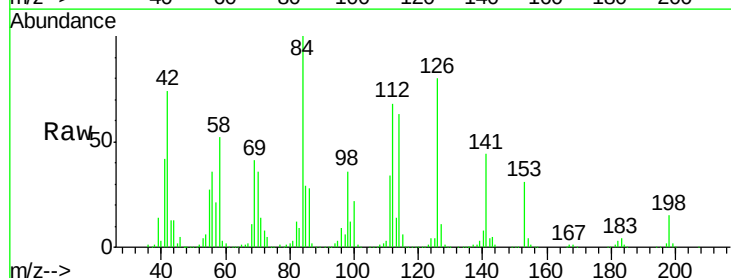
Instrument :  
BNA\_G  
ClientSampled :  
C0AB2

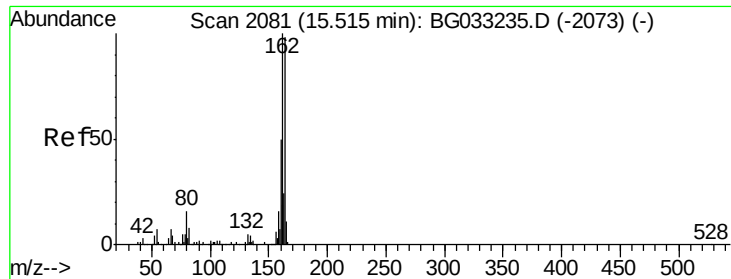
| Tot Ion   | 82   | Resp  | 387951 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 34.2 | 29.7  | 44.5   |
| 54        | 52.5 | 43.1  | 64.7   |



#35  
Caprolactam  
Concen: 128.062 ng  
RT: 12.69 min Scan# 1600  
Delta R.T. 0.05 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

| Tgt Ion   | 113   | Resp  | 175257 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 55        | 187.3 | 186.9 | 226.9  |
| 56        | 249.0 | 130.9 | 170.9# |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

Instrument :

BNA\_G

ClientSampleId :

C0AB2

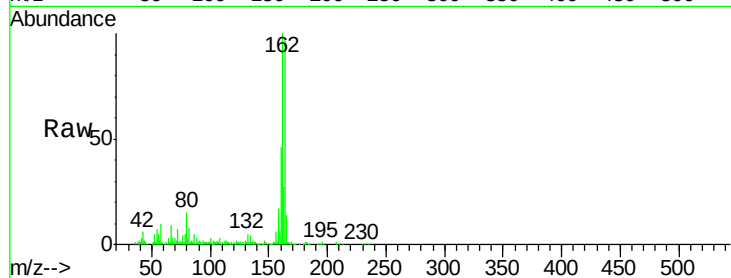
Tot Ion:164 Resp: 149060

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

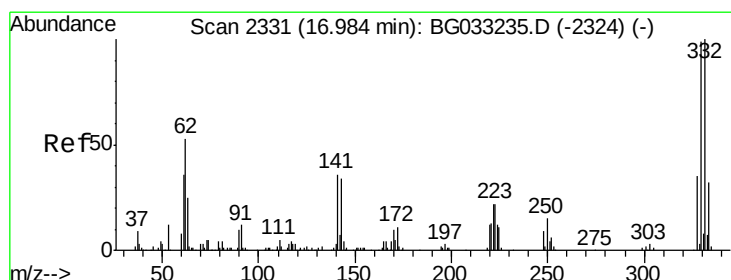
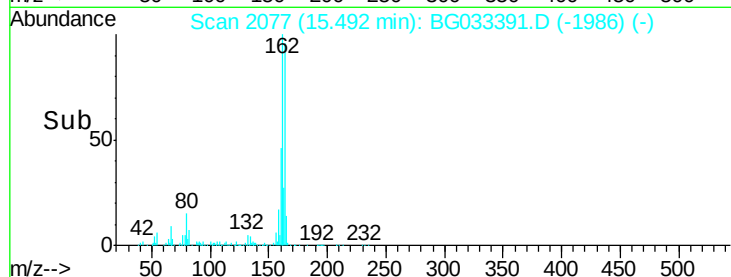
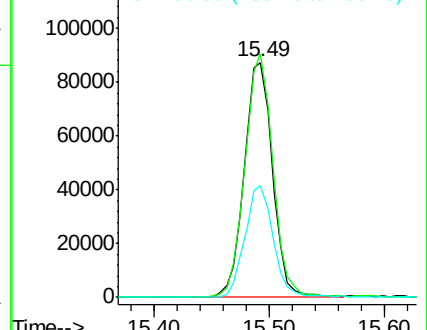
160 47.7 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 1.152 ng

RT: 16.97 min Scan# 2329

Delta R.T. 0.02 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

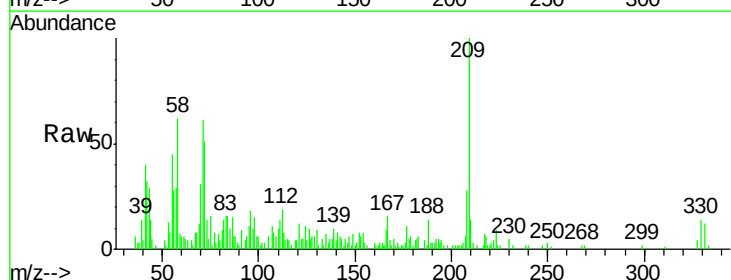
Tgt Ion:330 Resp: 2568

Ion Ratio Lower Upper

330 100

332 102.3 77.0 115.6

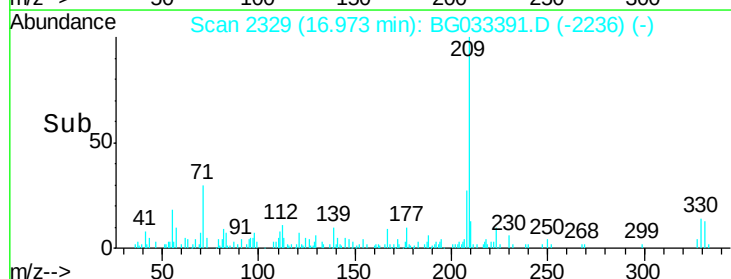
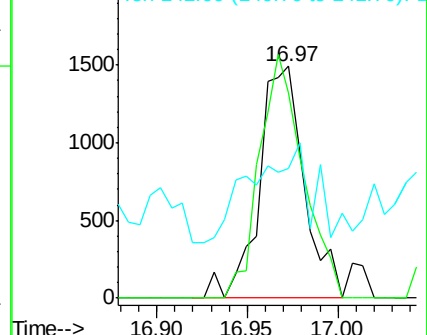
141 59.0 25.2 37.8#

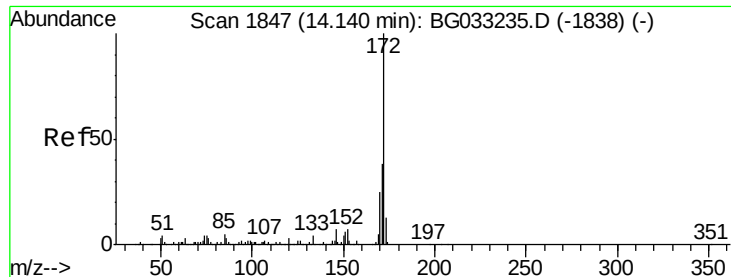


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

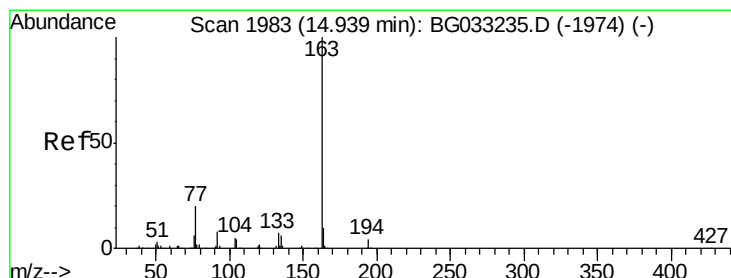
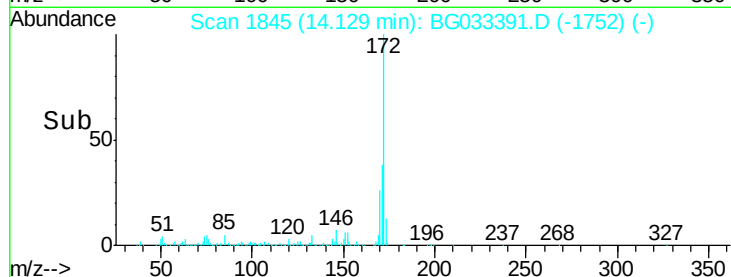
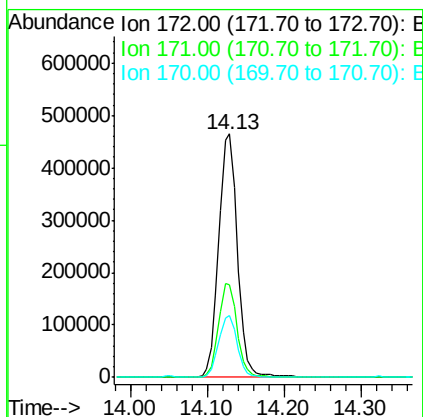
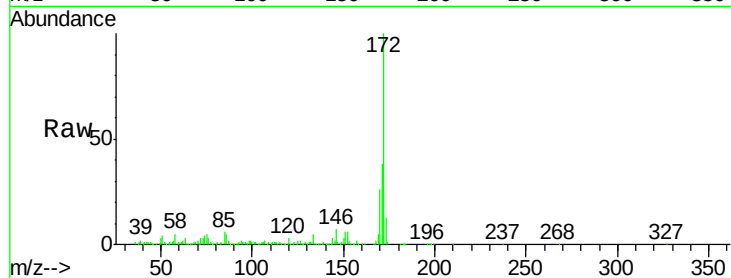




#44  
2-Fluorobiphenyl  
Concen: 75.731 ng  
RT: 14.13 min Scan# 1845  
Delta R.T. 0.02 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

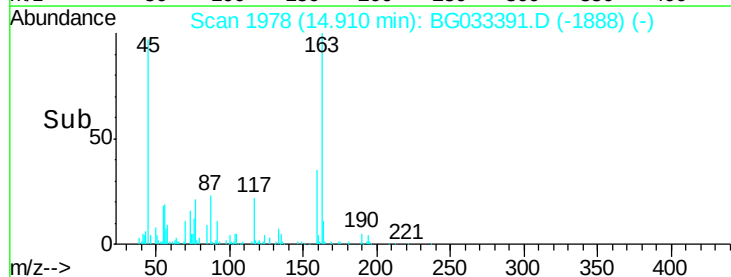
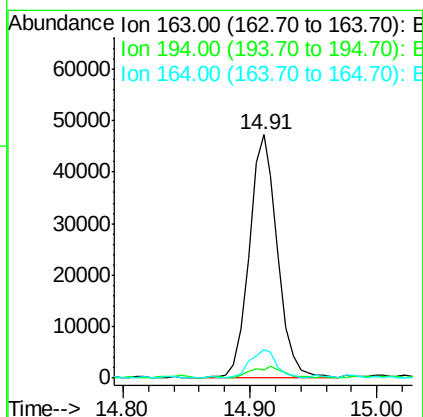
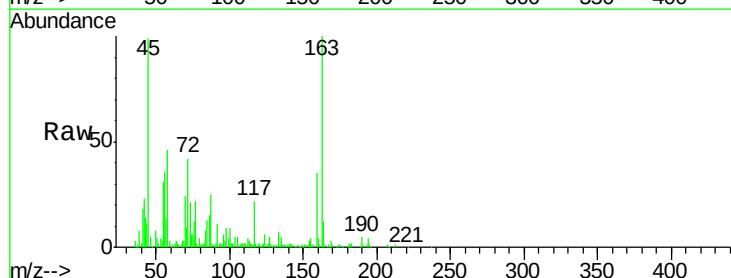
Instrument :  
BNA\_G  
ClientSampleId :  
C0AB2

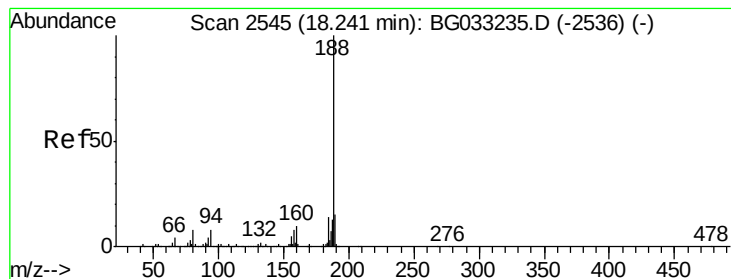
Tot Ion:172 Resp: 781948  
Ion Ratio Lower Upper  
172 100  
171 37.8 30.0 45.0  
170 25.6 19.5 29.3



#49  
Dimethylphthalate  
Concen: 5.630 ng  
RT: 14.91 min Scan# 1978  
Delta R.T. -0.00 min  
Lab File: BG033391.D  
Acq: 28 Mar 2018 18:21

Tgt Ion:163 Resp: 73040  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.4 5.2  
164 11.9 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

Instrument :

BNA\_G

ClientSampleId :

C0AB2

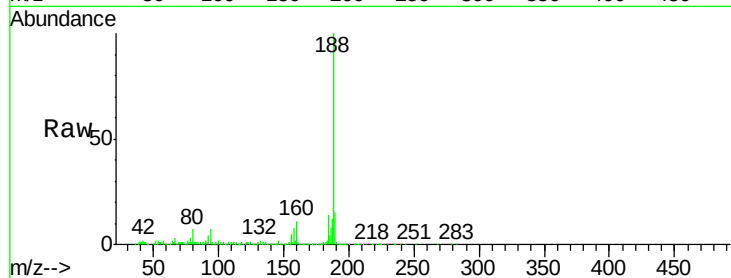
Tot Ion:188 Resp: 351288

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

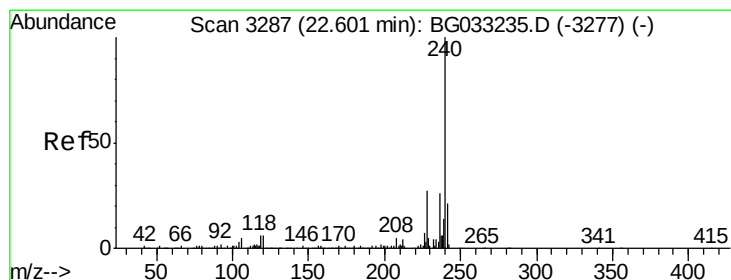
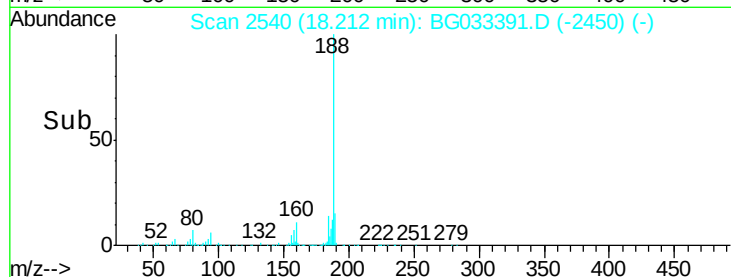
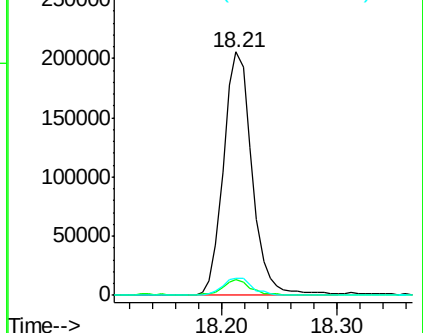
80 7.2 7.7 11.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

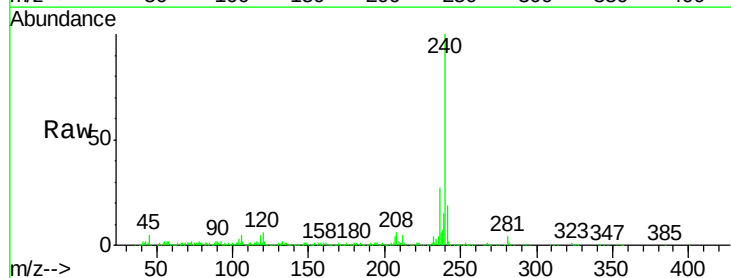
Tgt Ion:240 Resp: 374195

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

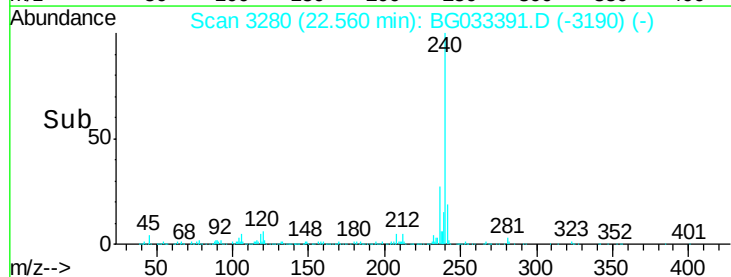
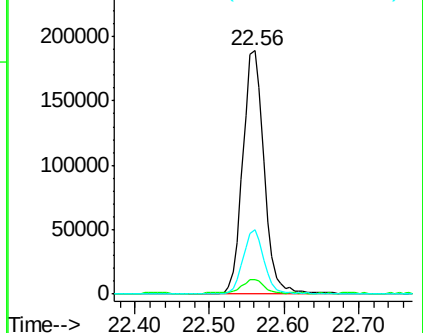
236 26.6 20.9 31.3



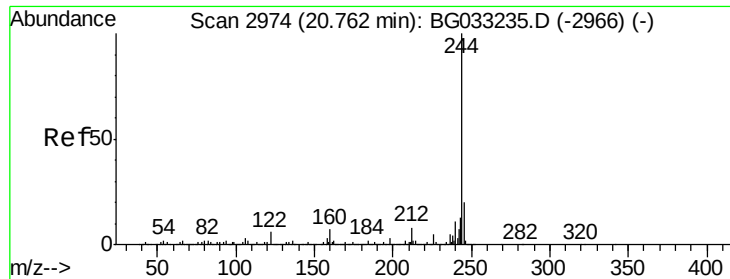
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 58.938 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

Instrument :

BNA\_G

ClientSampleId :

C0AB2

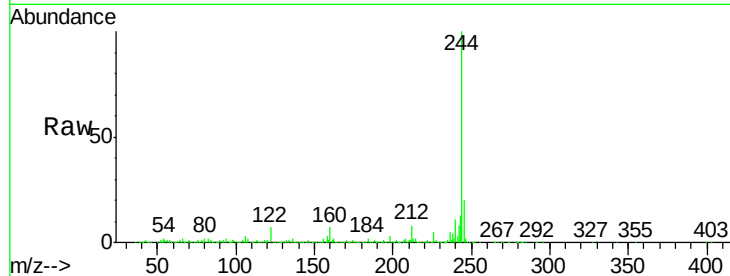
Tot Ion:244 Resp: 1031250

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

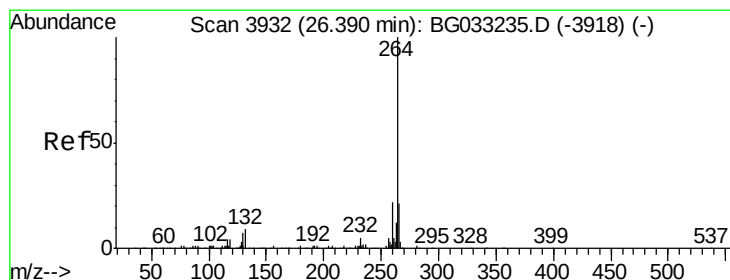
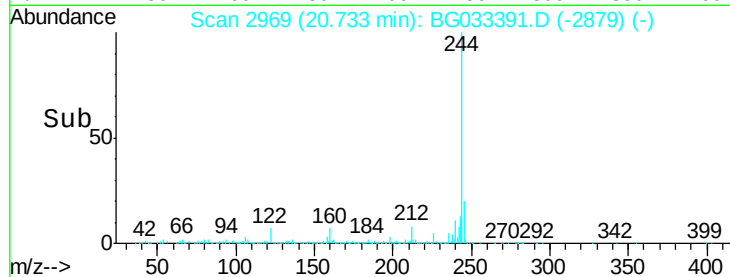
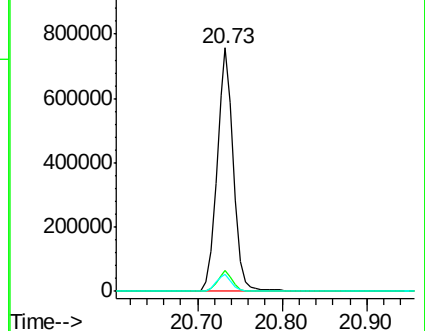
122 6.9 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033391.D

Acq: 28 Mar 2018 18:21

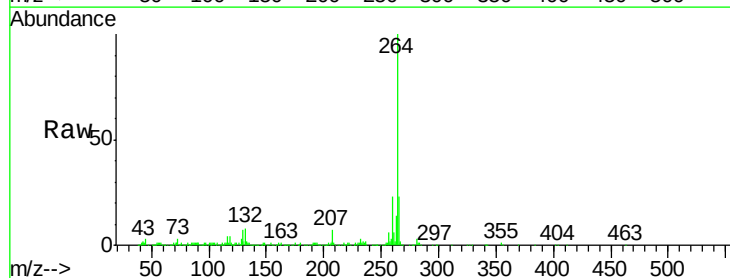
Tgt Ion:264 Resp: 401507

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 23.2 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

