

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121718\  
 Data File : BG038665.D  
 Acq On : 17 Dec 2018 16:23  
 Operator : JU/SJ  
 Sample : J6378-20  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS001-1218-01

Quant Time: Dec 18 03:28:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

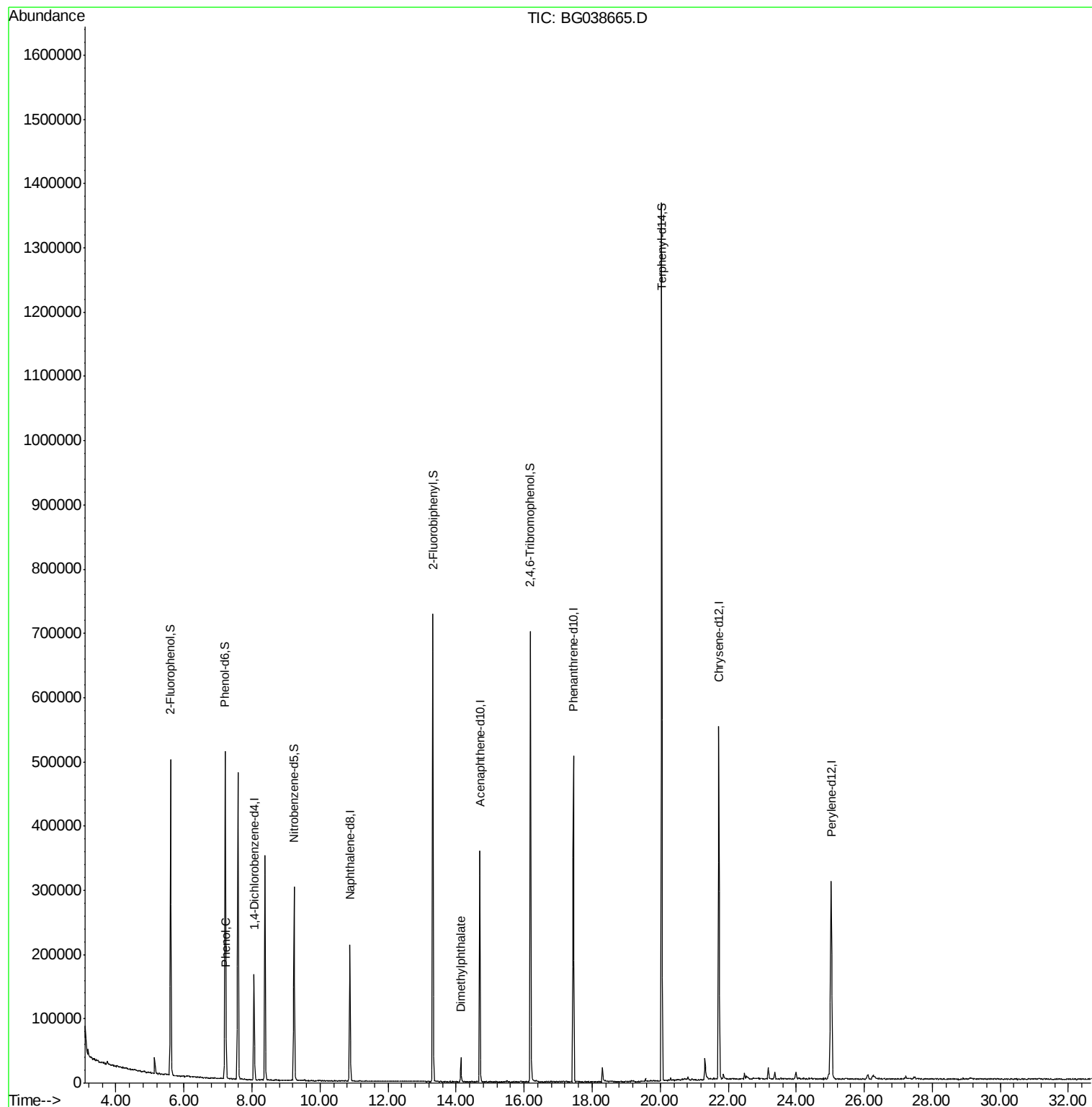
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 44687    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 186117   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 126801   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.45 | 188  | 329889   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 339413   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.03 | 264  | 367006   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 197801   | 78.51 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 271893   | 78.61 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 180397   | 49.52 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 140113   | 80.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 382175   | 41.35 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 647741   | 41.53 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.24  | 94   | 17411    | 4.738 | ng    | 90       |
| 50) Dimethylphthalate       | 14.14 | 163  | 27479    | 2.654 | ng    | 99       |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

Instrument :

BNA\_G

ClientSampleId :

P001-SS001-1218-01

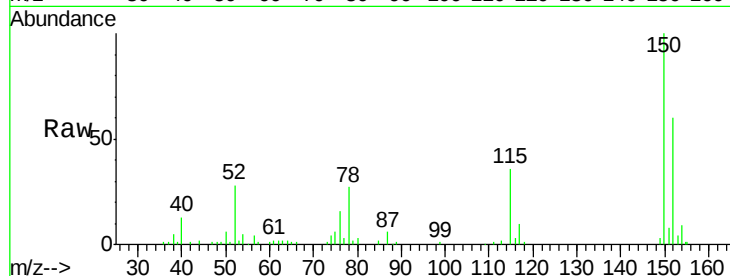
Tgt Ion:152 Resp: 44687

Ion Ratio Lower Upper

152 100

150 166.2 119.5 179.3

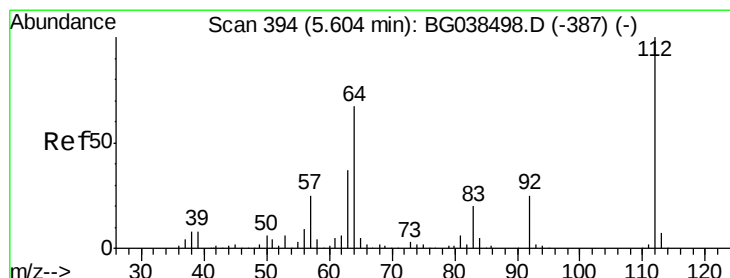
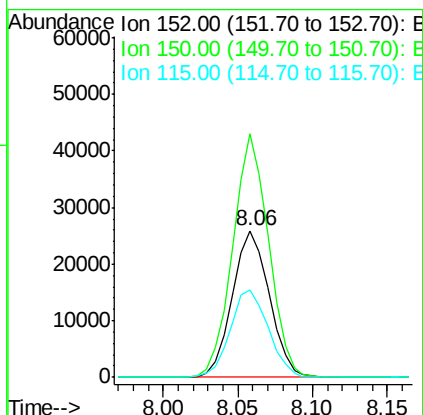
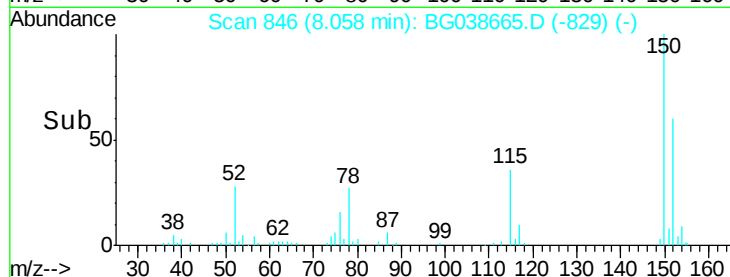
115 60.1 49.6 74.4



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: 78.508 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

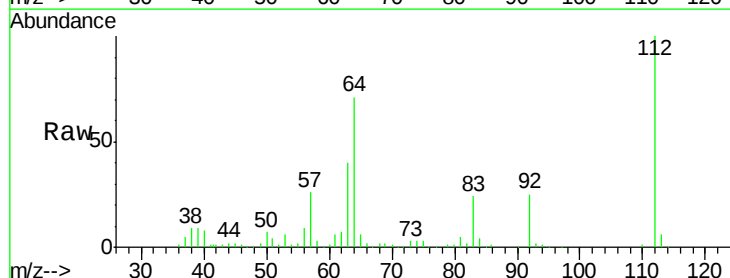
Tgt Ion:112 Resp: 197801

Ion Ratio Lower Upper

112 100

64 71.3 53.4 80.2

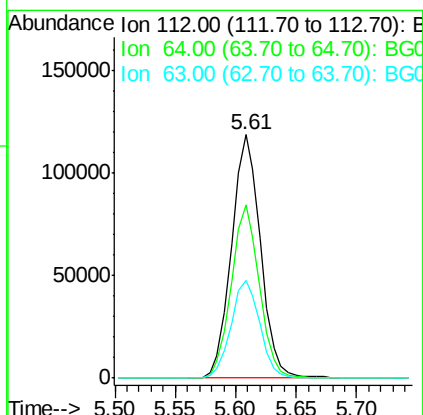
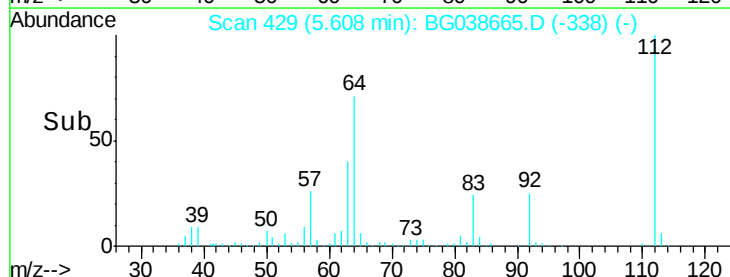
63 39.9 29.3 43.9



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: 78.610 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

Instrument :

BNA\_G

ClientSampleId :

P001-SS001-1218-01

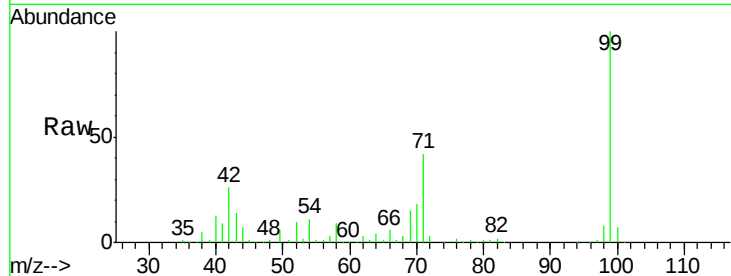
Tgt Ion: 99 Resp: 271893

Ion Ratio Lower Upper

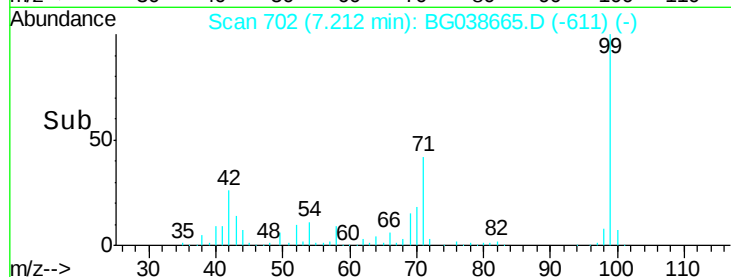
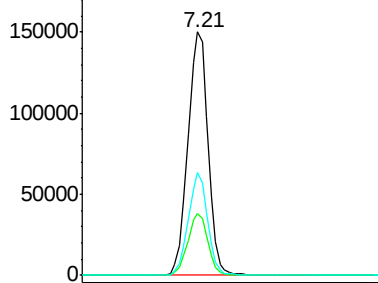
99 100

42 25.7 18.5 27.7

71 42.2 31.1 46.7



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: 4.738 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

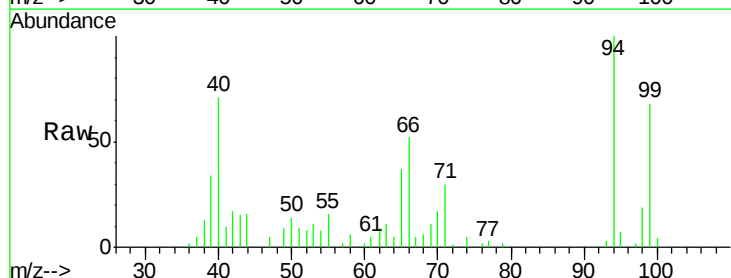
Tgt Ion: 94 Resp: 17411

Ion Ratio Lower Upper

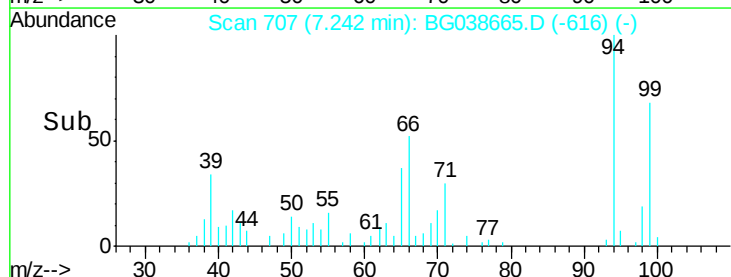
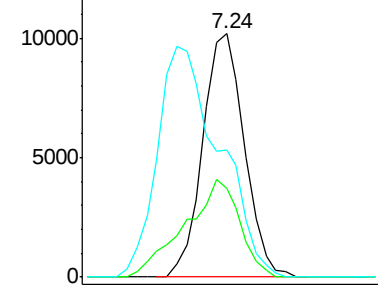
94 100

65 36.7 12.6 52.6

66 52.0 24.1 64.1



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

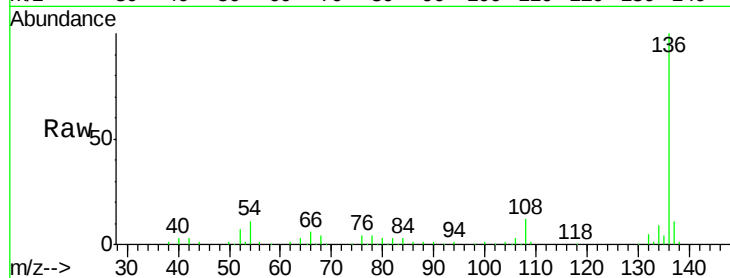




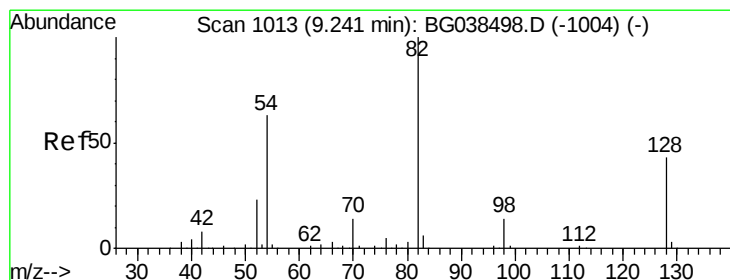
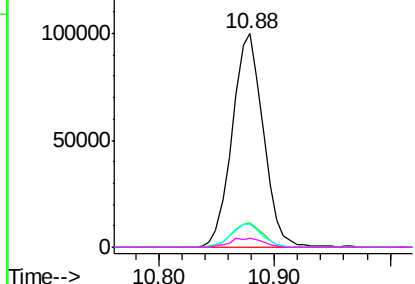
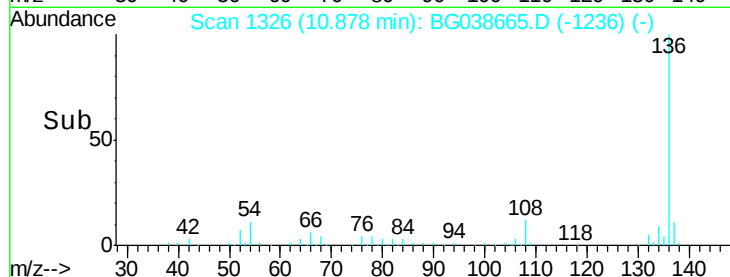
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG038665.D  
Acq: 17 Dec 2018 16:23

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS001-1218-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 186117 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.3   | 13.9   |
| 54       | 10.7  | 8.5   | 12.7   |
| 68       | 4.3   | 3.5   | 5.3    |

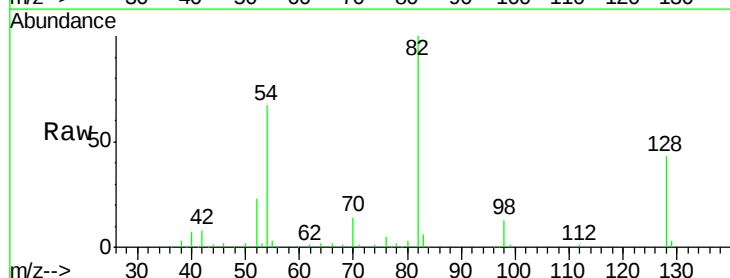


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

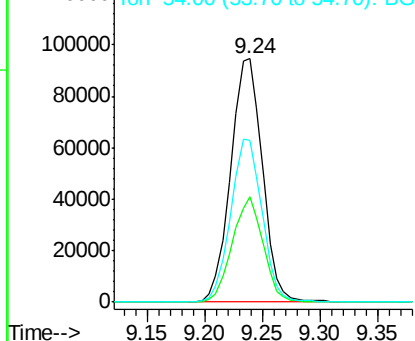
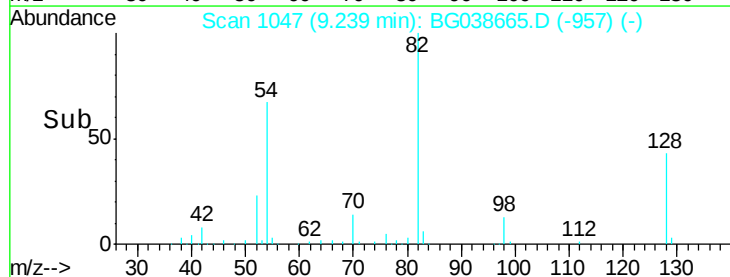


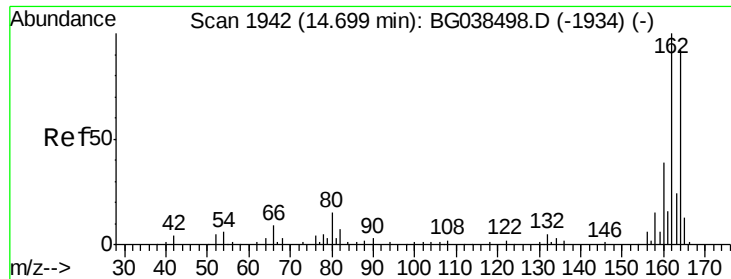
#23  
Nitrobenzene-d5  
Concen: 49.517 ng  
RT: 9.24 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BG038665.D  
Acq: 17 Dec 2018 16:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 180397 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.5  | 34.6  | 52.0   |
| 54       | 66.6  | 50.6  | 76.0   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

Instrument :

BNA\_G

ClientSampleId :

P001-SS001-1218-01

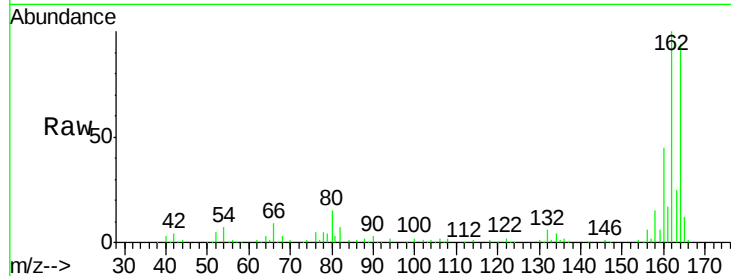
Tgt Ion:164 Resp: 126801

Ion Ratio Lower Upper

164 100

162 106.2 86.6 130.0

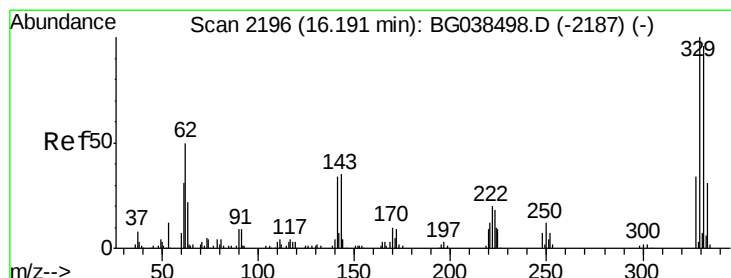
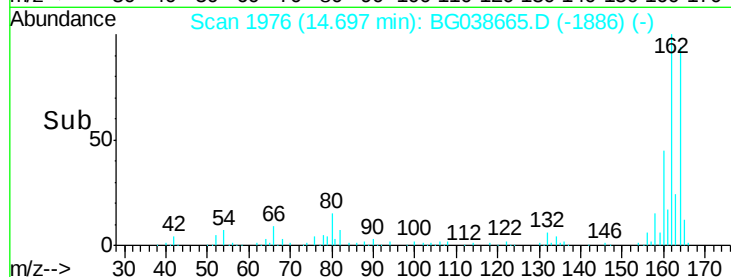
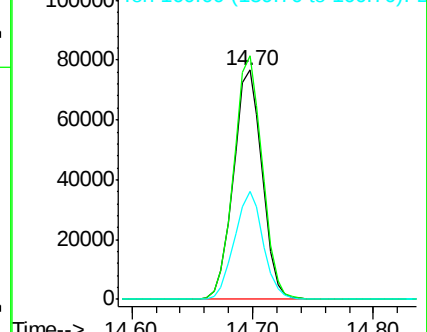
160 47.3 34.2 51.2



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: 80.177 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

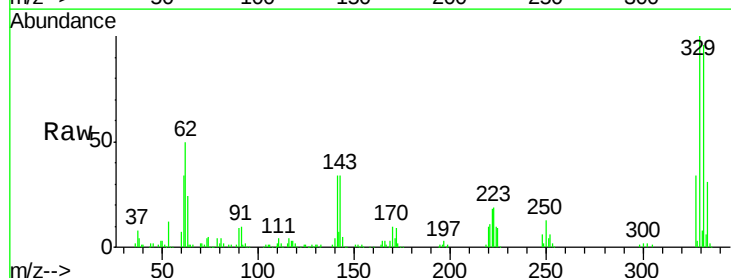
Tgt Ion:330 Resp: 140113

Ion Ratio Lower Upper

330 100

332 95.0 76.9 115.3

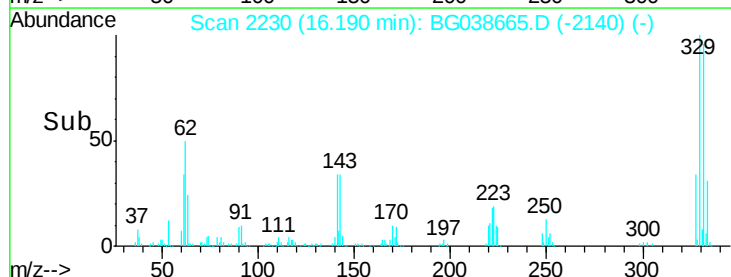
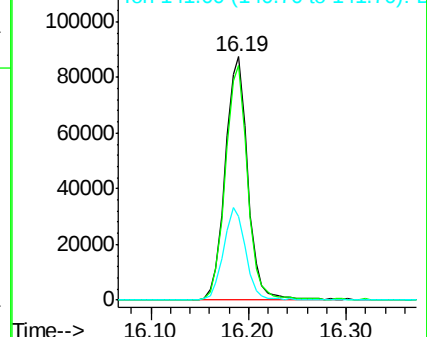
141 36.9 28.8 43.2

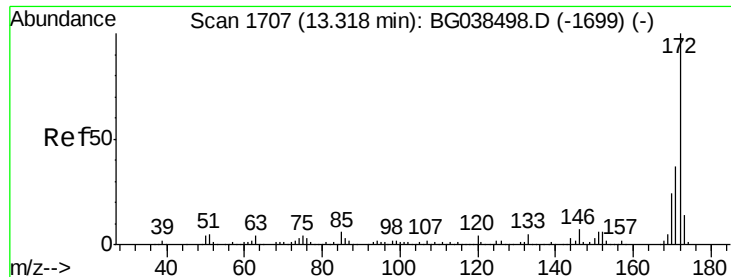


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

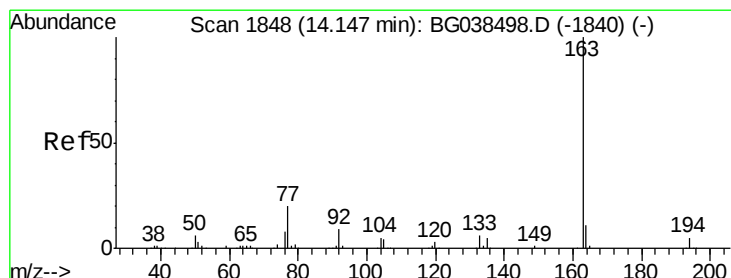
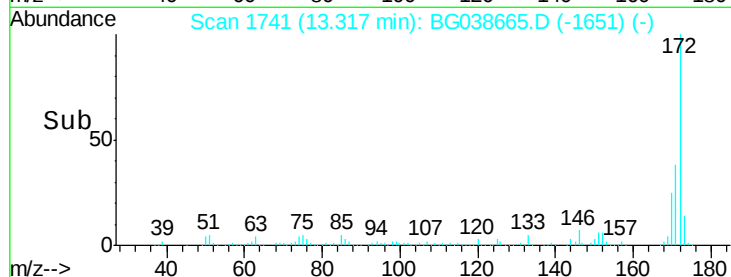
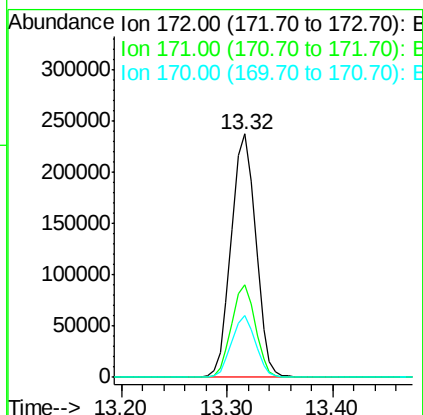
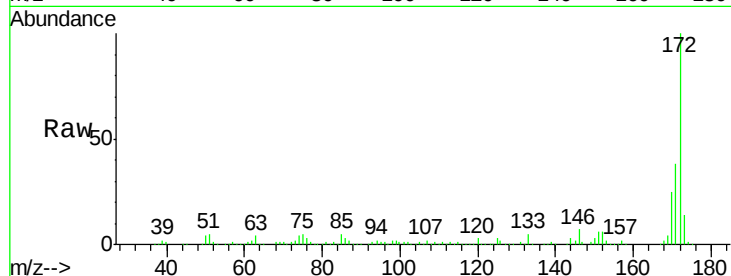




#45  
 2-Fluorobiphenyl  
 Concen: 41.347 ng  
 RT: 13.32 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: BG038665.D  
 Acq: 17 Dec 2018 16:23

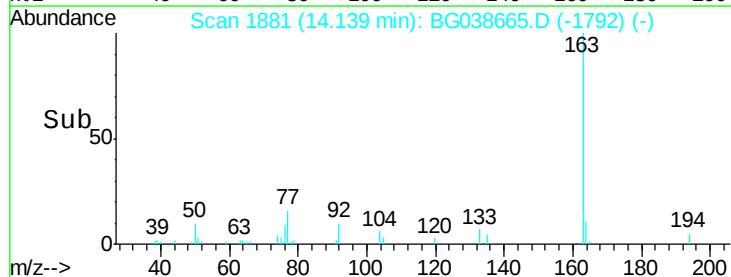
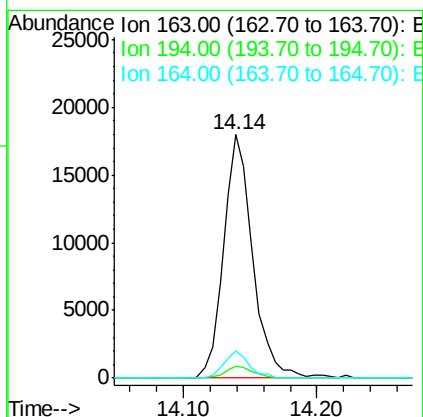
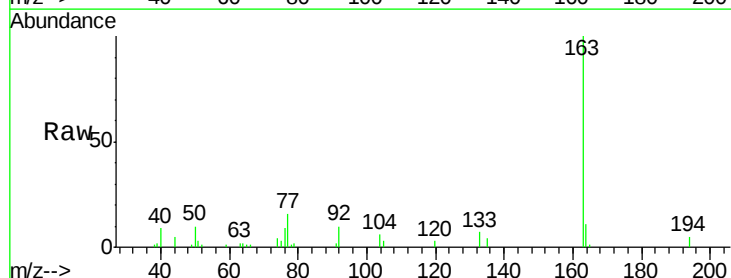
Instrument :  
 BNA\_G  
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 P001-SS001-1218-01

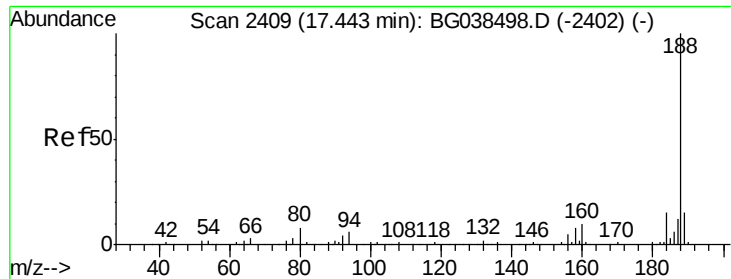
Tgt Ion:172 Resp: 382175  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 29.8 44.6  
 170 25.4 19.5 29.3



#50  
 Dimethylphthalate  
 Concen: 2.654 ng  
 RT: 14.14 min Scan# 1881  
 Delta R.T. -0.01 min  
 Lab File: BG038665.D  
 Acq: 17 Dec 2018 16:23

Tgt Ion:163 Resp: 27479  
 Ion Ratio Lower Upper  
 163 100  
 194 4.8 3.7 5.5  
 164 11.4 8.6 12.8

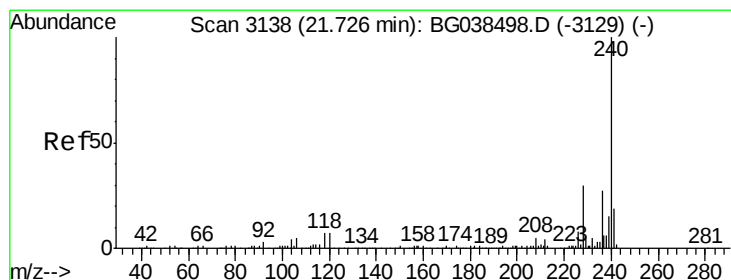
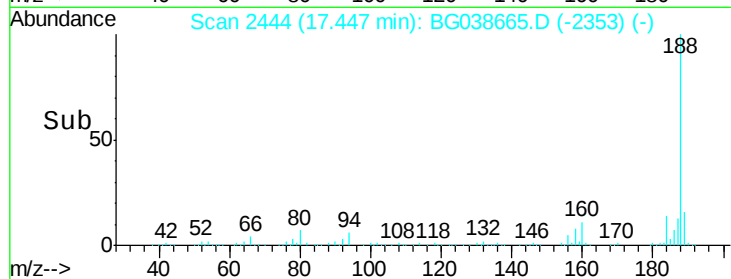
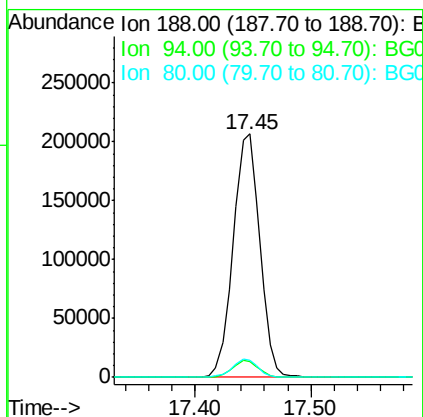
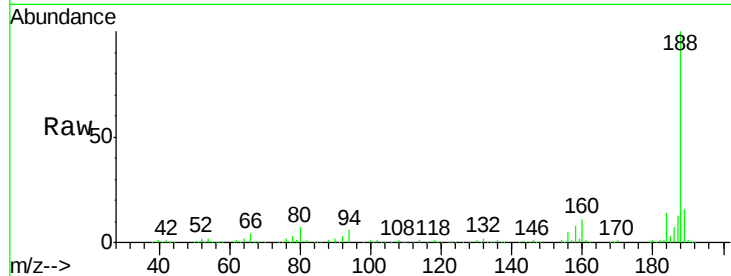




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2444  
Delta R.T. 0.00 min  
Lab File: BG038665.D  
Acq: 17 Dec 2018 16:23

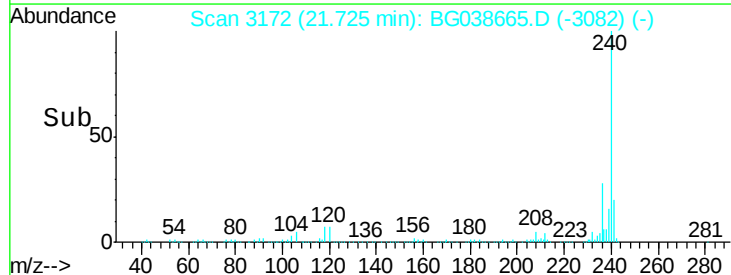
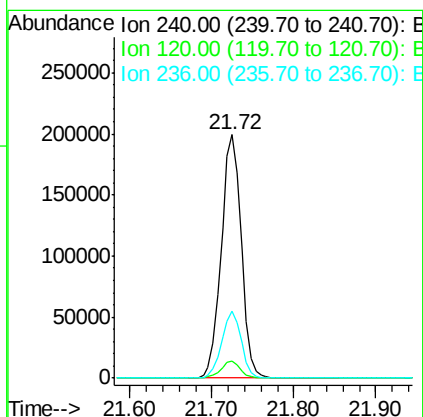
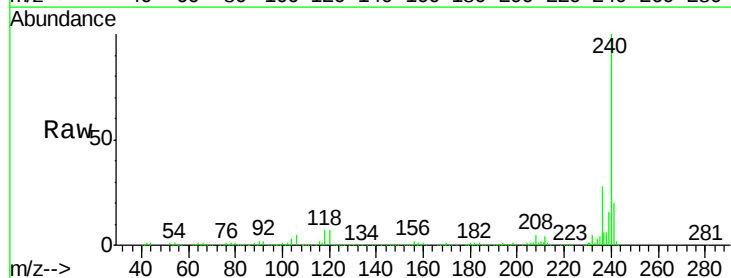
Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS001-1218-01

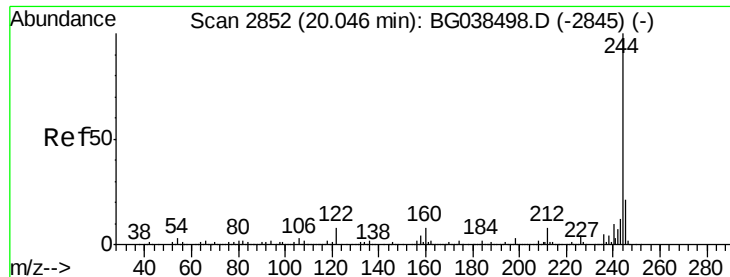
Tgt Ion:188 Resp: 329889  
Ion Ratio Lower Upper  
188 100  
94 6.5 5.1 7.7  
80 7.2 6.1 9.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.72 min Scan# 3172  
Delta R.T. -0.00 min  
Lab File: BG038665.D  
Acq: 17 Dec 2018 16:23

Tgt Ion:240 Resp: 339413  
Ion Ratio Lower Upper  
240 100  
120 6.8 5.3 7.9  
236 27.7 21.4 32.2





#79

Terphenyl-d14

Concen: 41.533 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

Instrument :

BNA\_G

ClientSampleId :

P001-SS001-1218-01

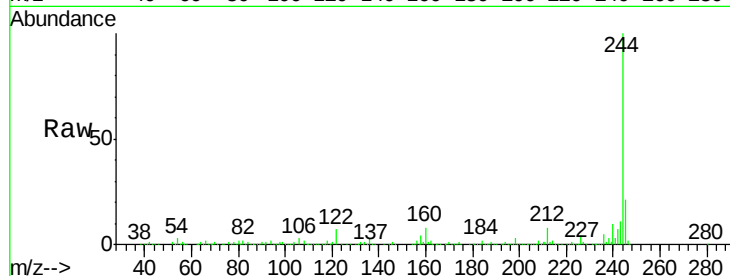
Tgt Ion:244 Resp: 647741

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

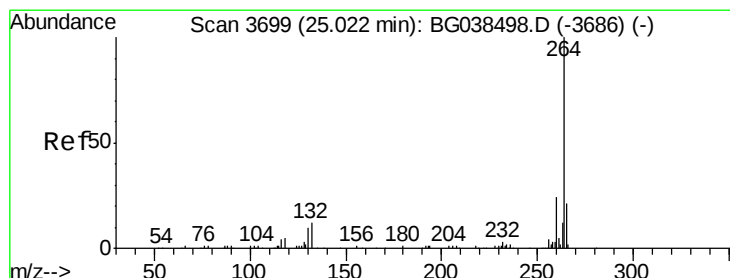
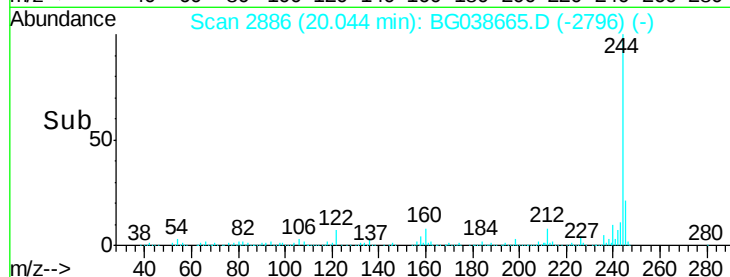
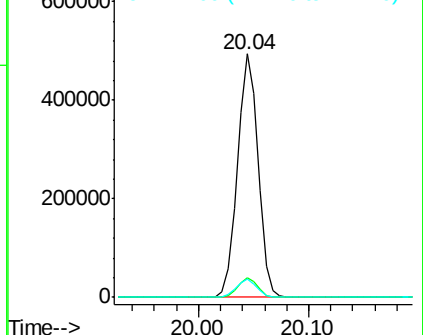
122 7.4 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038665.D

Acq: 17 Dec 2018 16:23

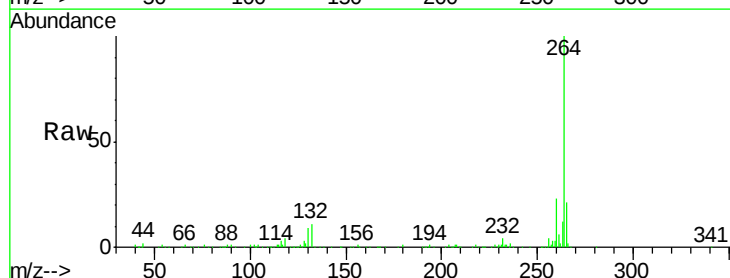
Tgt Ion:264 Resp: 367006

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 21.4 17.0 25.4



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

