

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121115\  
 Data File : BG020081.D  
 Acq On : 10 Dec 2015 18:35  
 Operator : UM/SJ  
 Sample : G4683-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S30-15

Quant Time: Dec 11 04:47:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

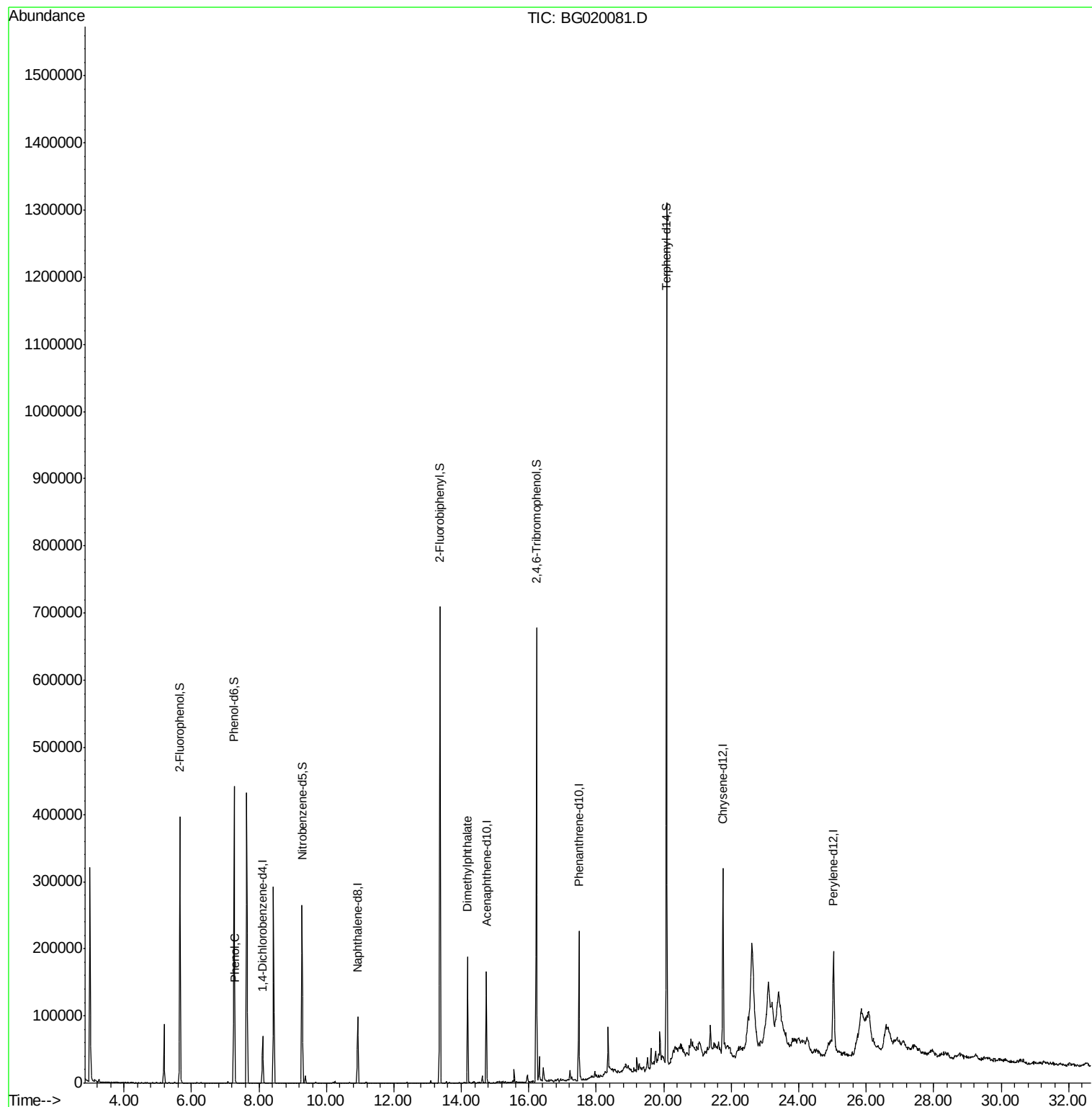
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 18980    | 20.00  | ng    | -0.03       |
| 21) Naphthalene-d8          | 10.93 | 136  | 83736    | 20.00  | ng    | -0.03       |
| 38) Acenaphthene-d10        | 14.74 | 164  | 56058    | 20.00  | ng    | -0.03       |
| 63) Phenanthrene-d10        | 17.48 | 188  | 139214   | 20.00  | ng    | -0.03       |
| 75) Chrysene-d12            | 21.75 | 240  | 171132   | 20.00  | ng    | -0.04       |
| 86) Perylene-d12            | 25.03 | 264  | 161279   | 20.00  | ng    | -0.06       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.66  | 112  | 170560   | 162.41 | ng    | 0.00        |
| 7) Phenol-d6                | 7.26  | 99   | 255374   | 161.06 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 166555   | 101.51 | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 128362   | 149.65 | ng    | -0.02       |
| 44) 2-Fluorobiphenyl        | 13.36 | 172  | 356117   | 86.74  | ng    | -0.03       |
| 78) Terphenyl-d14           | 20.08 | 244  | 587723   | 83.77  | ng    | -0.03       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.29  | 94   | 4211     | 2.52   | ng    | Qvalue # 66 |
| 49) Dimethylphthalate       | 14.19 | 163  | 124400   | 24.67  | ng    | 97          |

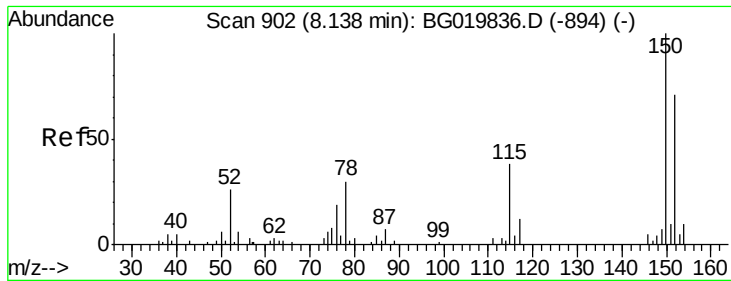
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121115\  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S30-15

Quant Time: Dec 11 04:47:35 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



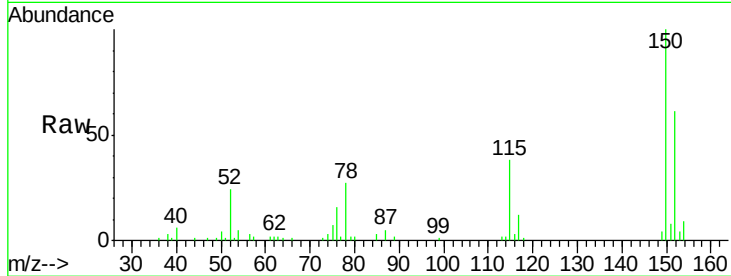


#1

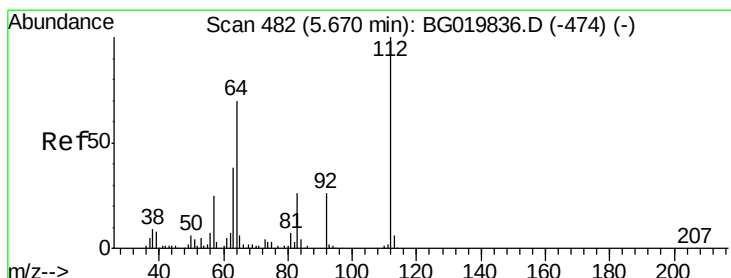
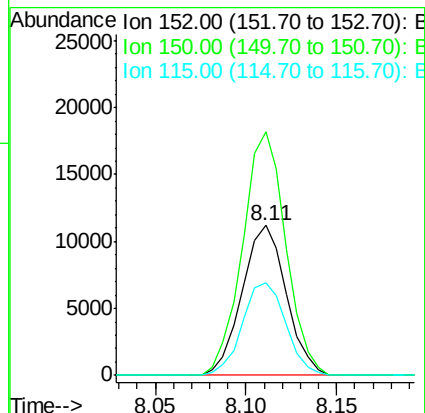
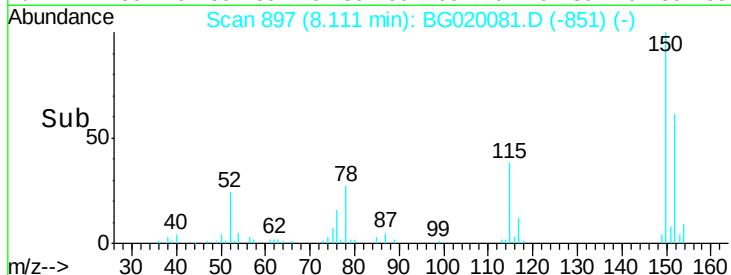
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.11 min Scan# 897  
 Delta R.T. -0.03 min  
 Lab File: BG020081.D  
 Acq: 10 Dec 2015 18:35

Instrument :  
 BNA\_G  
 ClientSampleID :  
 S30-15

Tgt Ion:152 Resp: 18980  
 Ion Ratio Lower Upper  
 152 100  
 150 162.6 115.0 172.4  
 115 61.9 43.9 65.9



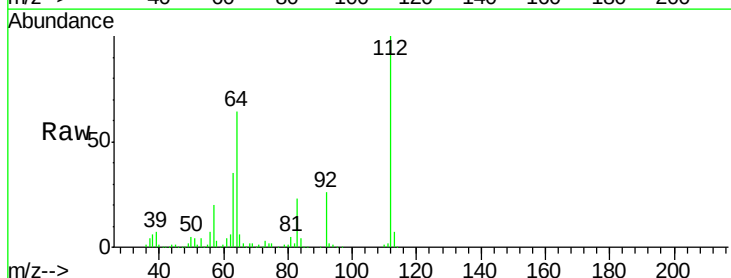
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



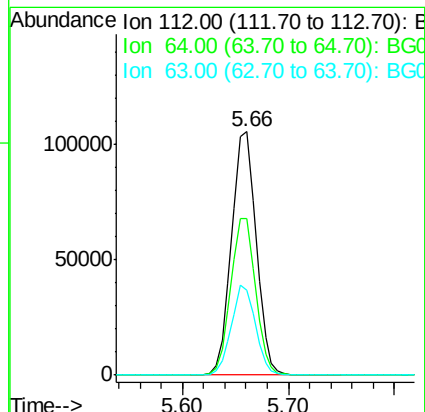
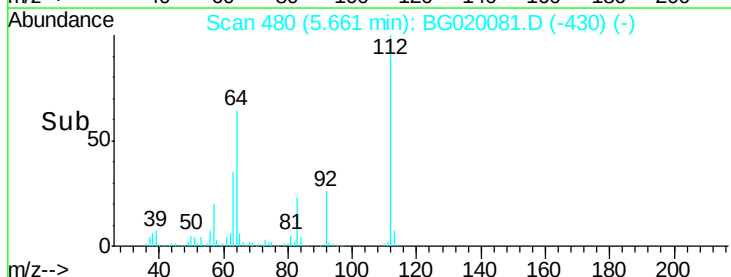
#5

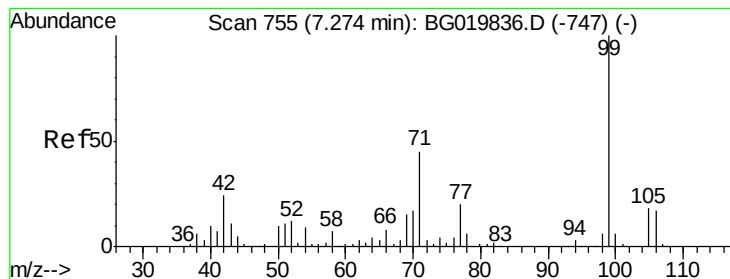
2-Fluorophenol  
 Concen: 162.41 ng  
 RT: 5.66 min Scan# 480  
 Delta R.T. -0.01 min  
 Lab File: BG020081.D  
 Acq: 10 Dec 2015 18:35

Tgt Ion:112 Resp: 170560  
 Ion Ratio Lower Upper  
 112 100  
 64 64.3 43.7 65.5  
 63 34.7 24.0 36.0



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: 161.06 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

Instrument :

BNA\_G

ClientSampleId :

S30-15

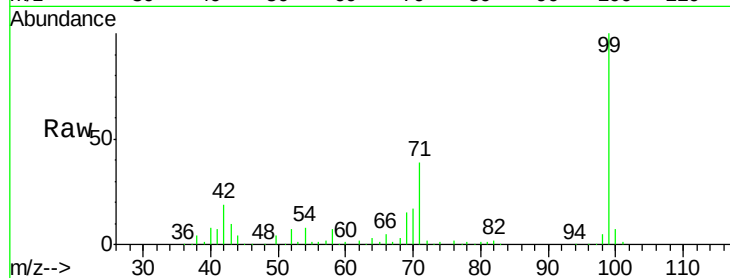
Tgt Ion: 99 Resp: 255374

Ion Ratio Lower Upper

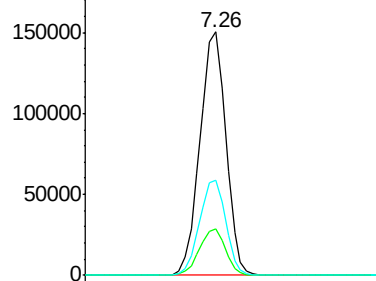
99 100

42 19.1 11.5 17.3#

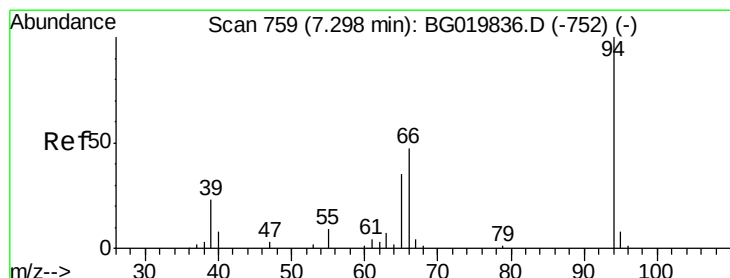
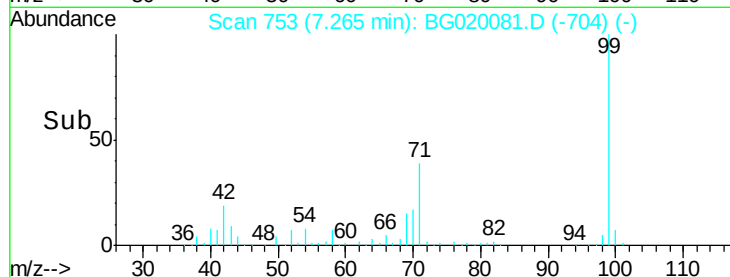
71 38.9 22.6 34.0#



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



Time-->



#10

Phenol

Concen: 2.52 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

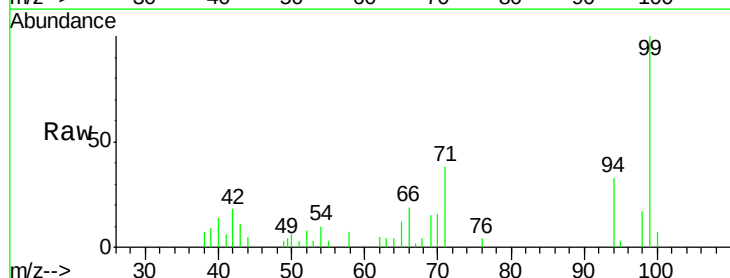
Tgt Ion: 94 Resp: 4211

Ion Ratio Lower Upper

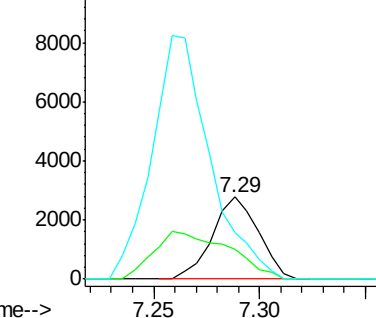
94 100

65 35.7 5.4 45.4

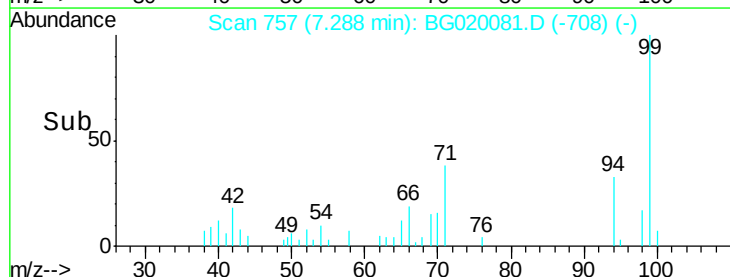
66 56.4 11.8 51.8#

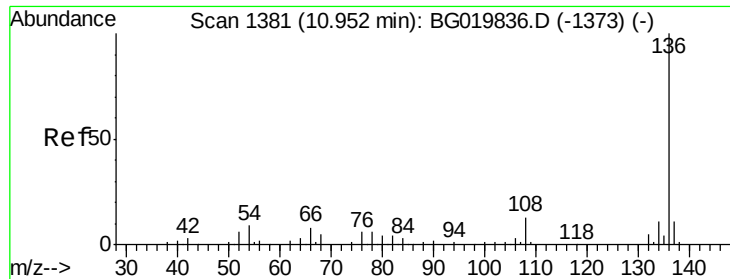


Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



Time-->

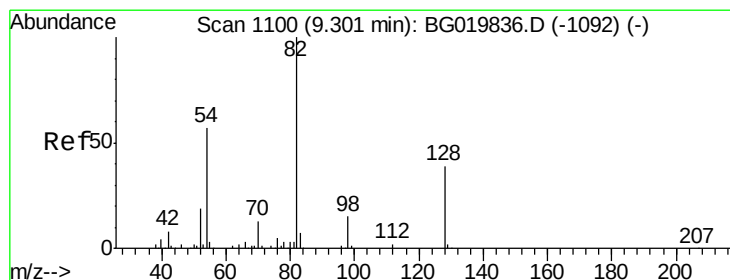
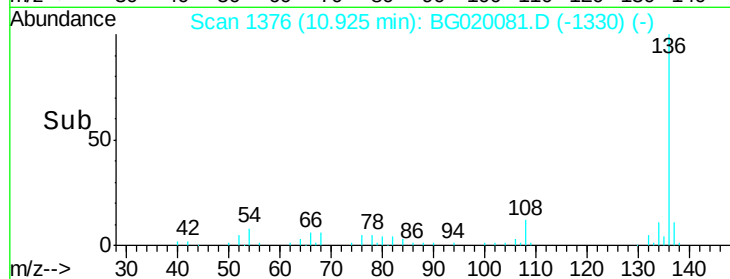
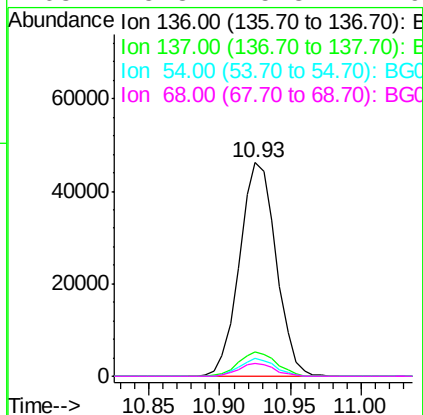
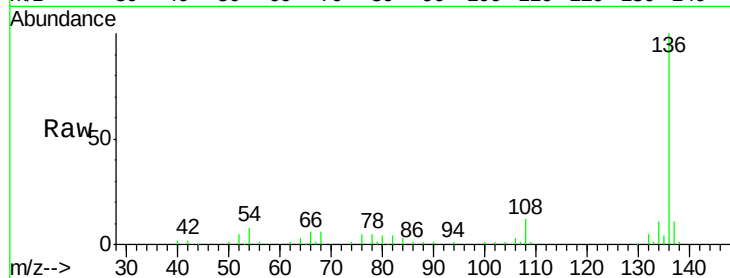




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1376  
Delta R.T. -0.03 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

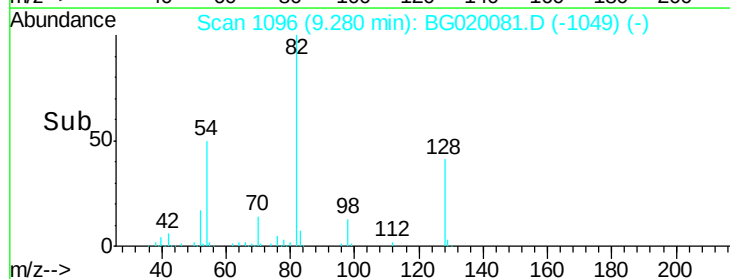
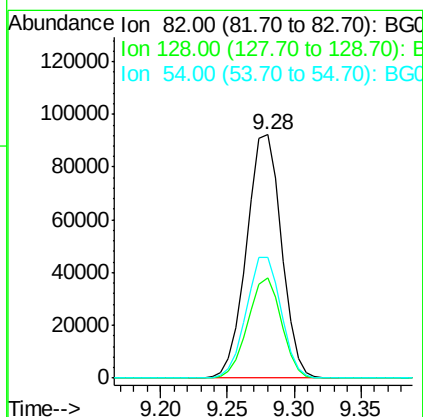
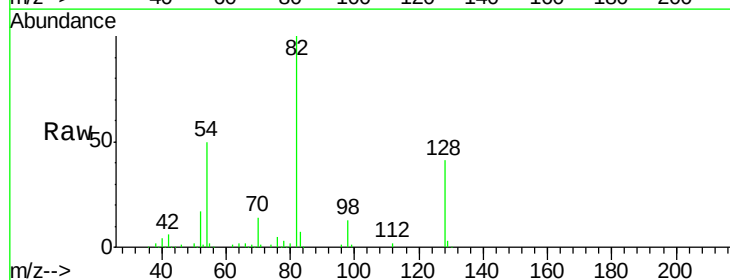
Instrument :  
BNA\_G  
ClientSampleId :  
S30-15

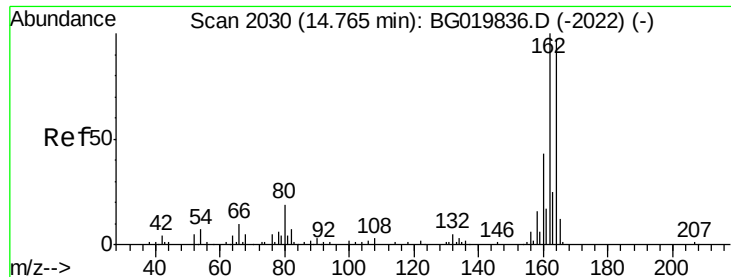
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 83736 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 8.6   | 12.8  |
| 54       | 8.4   | 5.4   | 8.2#  |
| 68       | 5.8   | 5.3   | 7.9   |



#23  
Nitrobenzene-d5  
Concen: 101.51 ng  
RT: 9.28 min Scan# 1096  
Delta R.T. -0.02 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 166555 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.4  | 36.7  | 55.1   |
| 54       | 49.8  | 33.8  | 50.8   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

Instrument :

BNA\_G

ClientSampleId :

S30-15

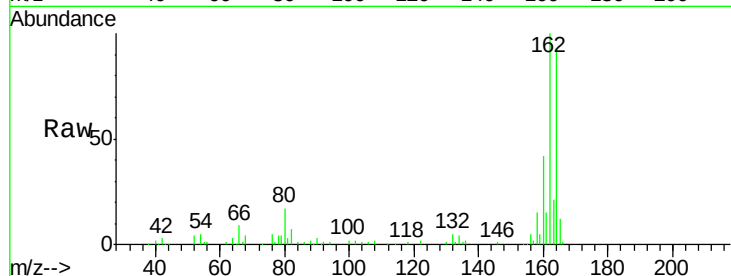
Tgt Ion:164 Resp: 56058

Ion Ratio Lower Upper

164 100

162 107.6 78.8 118.2

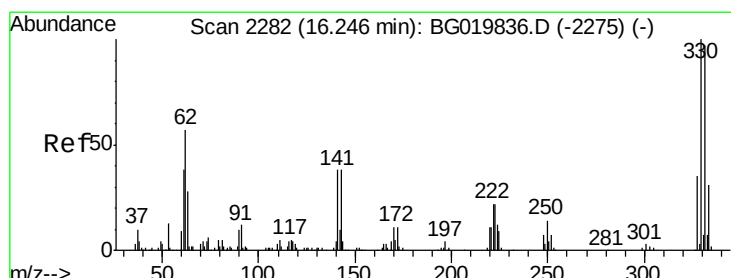
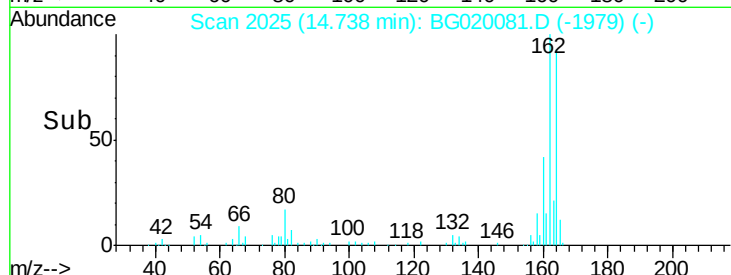
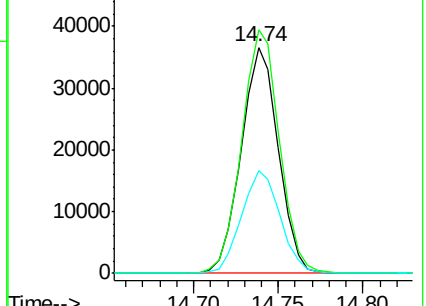
160 45.6 36.4 54.6



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: 149.65 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

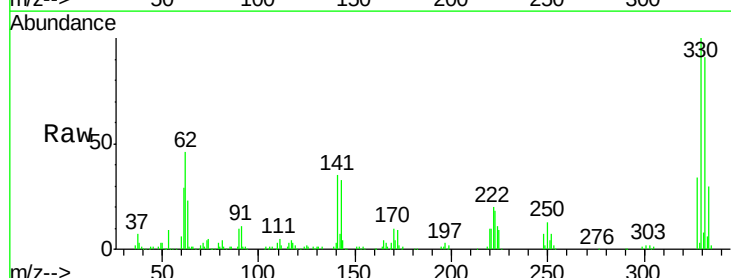
Tgt Ion:330 Resp: 128362

Ion Ratio Lower Upper

330 100

332 94.6 78.1 117.1

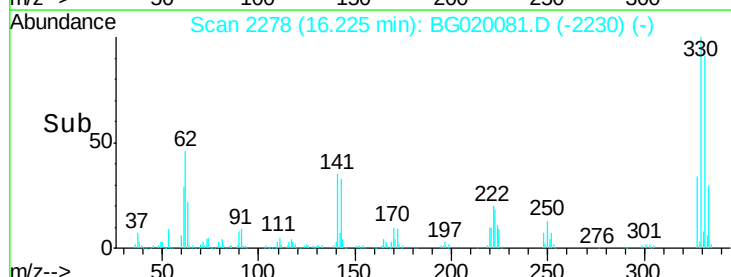
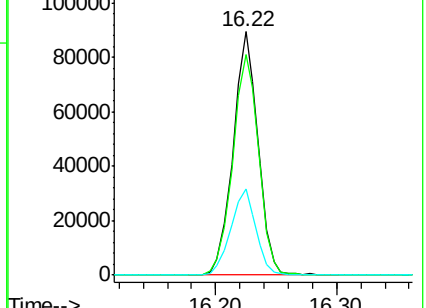
141 35.6 28.2 42.2

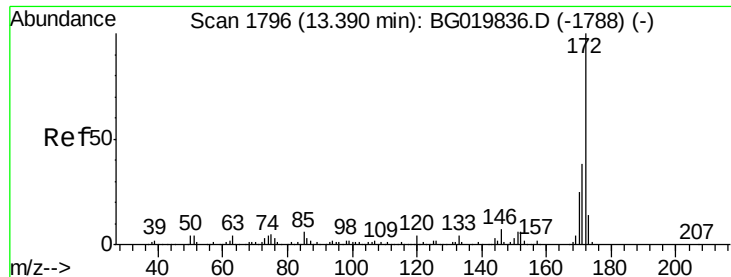


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

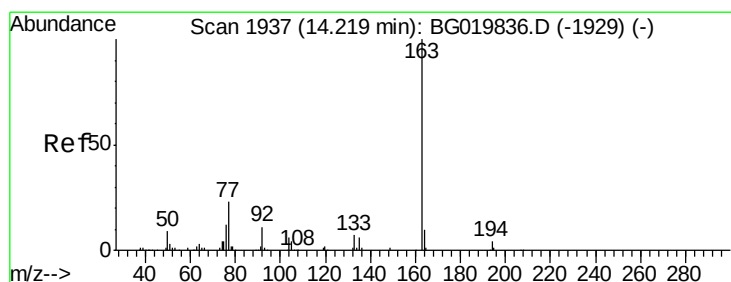
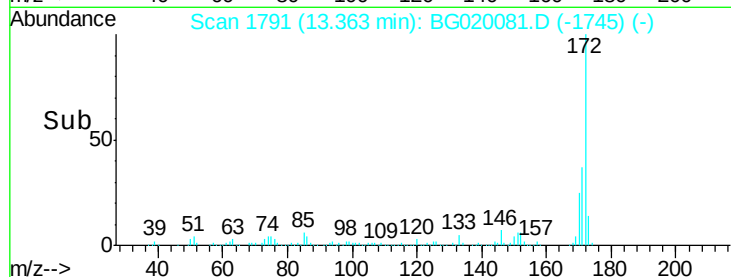
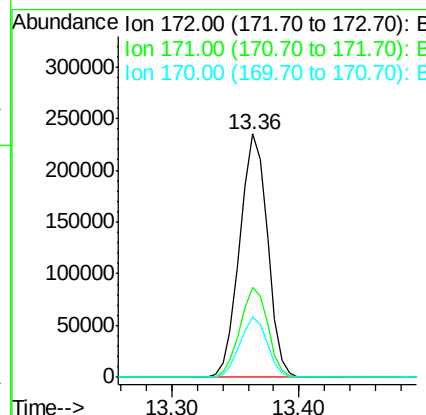
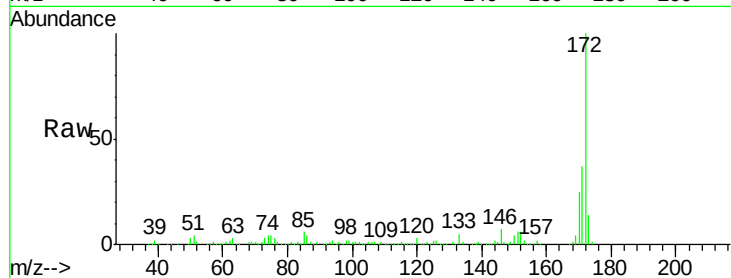




#44  
2-Fluorobiphenyl  
Concen: 86.74 ng  
RT: 13.36 min Scan# 1791  
Delta R.T. -0.03 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

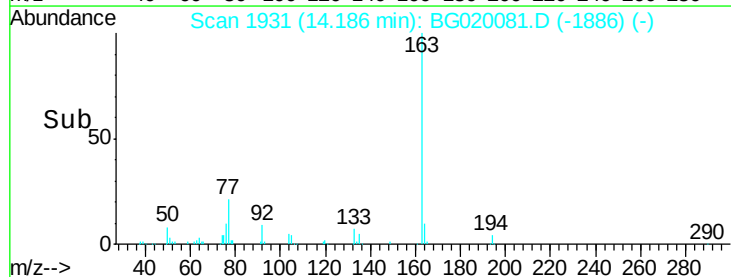
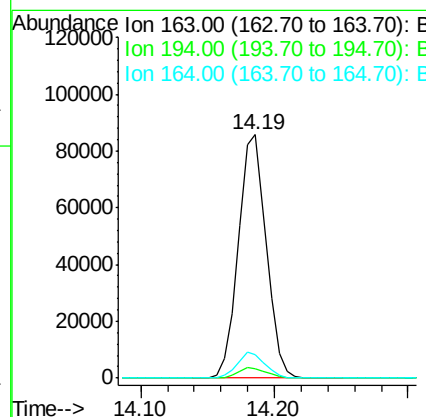
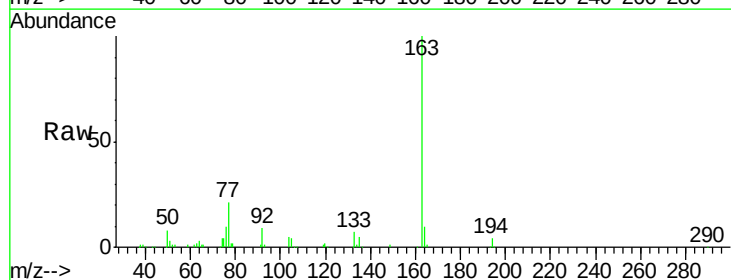
Instrument :  
BNA\_G  
ClientSampleId :  
S30-15

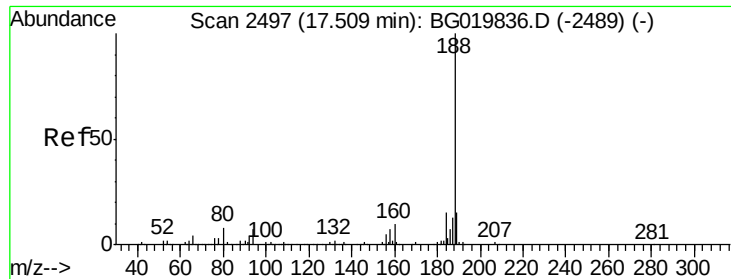
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.0  | 43.6  |
| 170     | 24.7  | 19.9  | 29.9  |



#49  
Dimethylphthalate  
Concen: 24.67 ng  
RT: 14.19 min Scan# 1931  
Delta R.T. -0.03 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.1   | 4.7   |
| 164     | 9.7   | 8.8   | 13.2  |

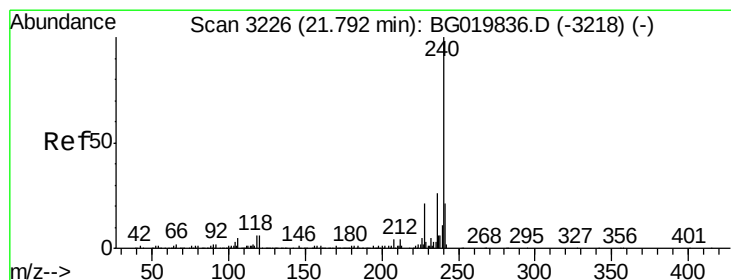
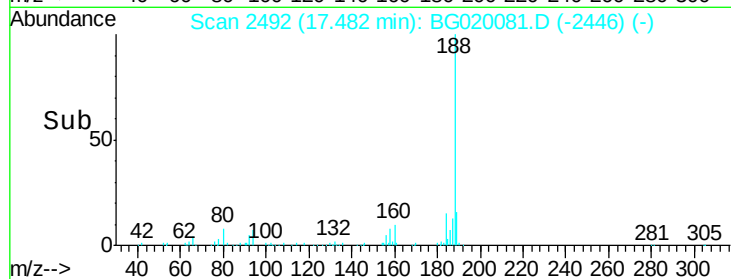
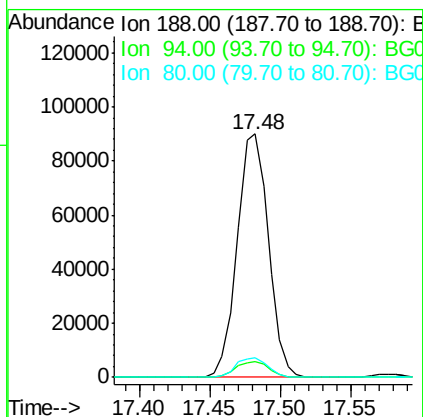
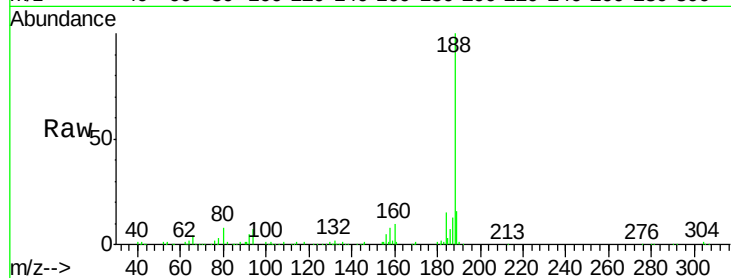




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.03 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

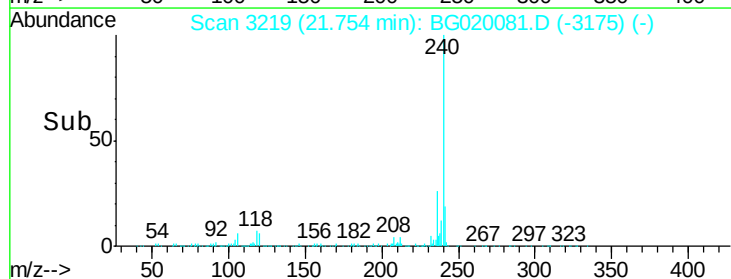
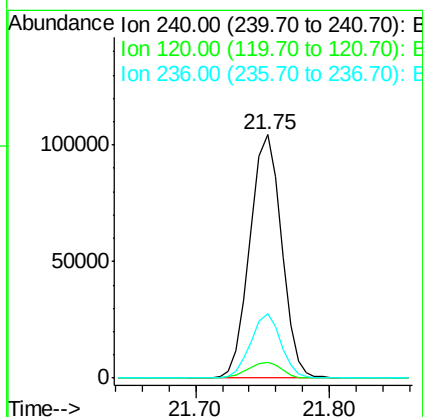
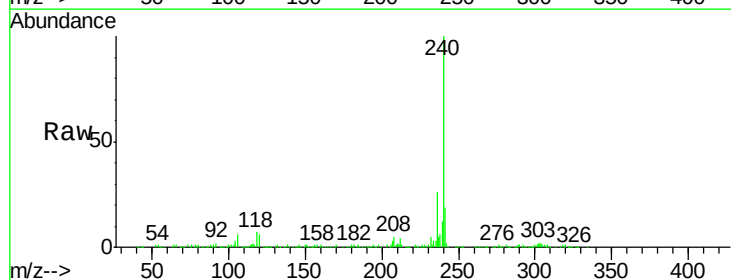
Instrument :  
BNA\_G  
ClientSampleId :  
S30-15

Tgt Ion:188 Resp: 139214  
Ion Ratio Lower Upper  
188 100  
94 6.6 7.7 11.5#  
80 8.2 7.8 11.8

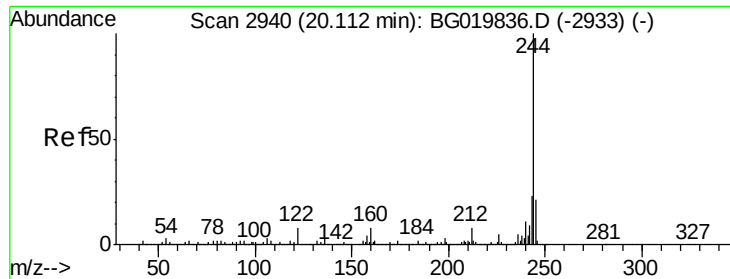


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.75 min Scan# 3219  
Delta R.T. -0.04 min  
Lab File: BG020081.D  
Acq: 10 Dec 2015 18:35

Tgt Ion:240 Resp: 171132  
Ion Ratio Lower Upper  
240 100  
120 6.5 7.4 11.0#  
236 26.4 20.7 31.1







#78

Terphenyl-d14

Concen: 83.77 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

Instrument :

BNA\_G

ClientSampled :

S30-15

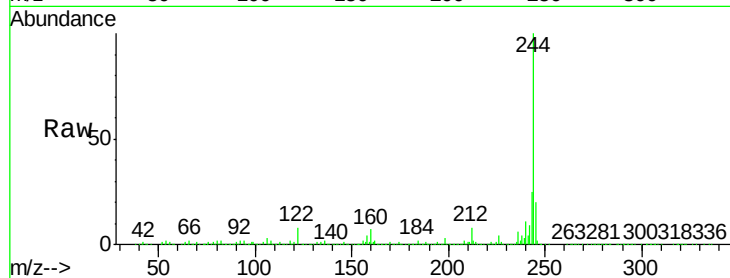
Tgt Ion:244 Resp: 587723

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

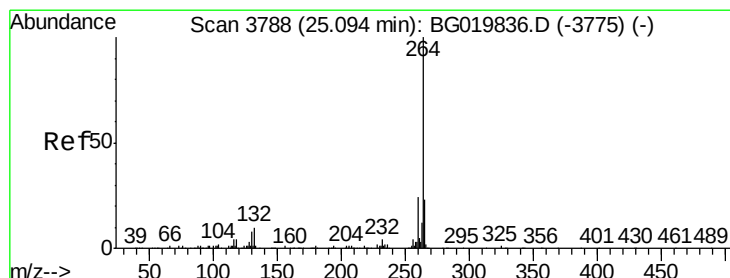
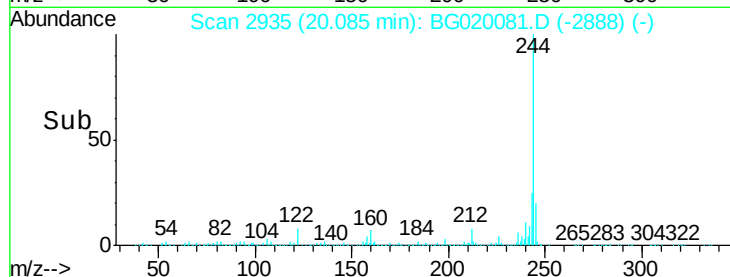
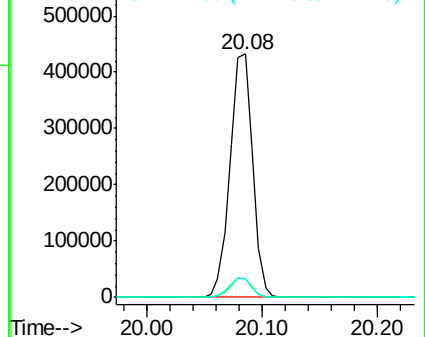
122 7.5 10.2 15.2#



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: 20.00 ng

RT: 25.03 min Scan# 3777

Delta R.T. -0.06 min

Lab File: BG020081.D

Acq: 10 Dec 2015 18:35

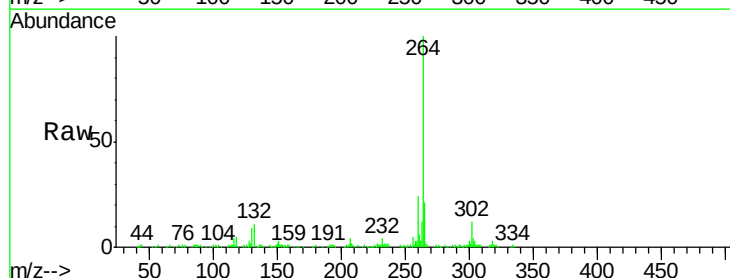
Tgt Ion:264 Resp: 161279

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 21.5 17.2 25.8



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

