

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\  
 Data File : BG033780.D  
 Acq On : 12 Apr 2018 19:55  
 Operator : SJ/JU  
 Sample : J2307-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-PH3-ARE-01

Quant Time: Apr 13 03:09:17 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

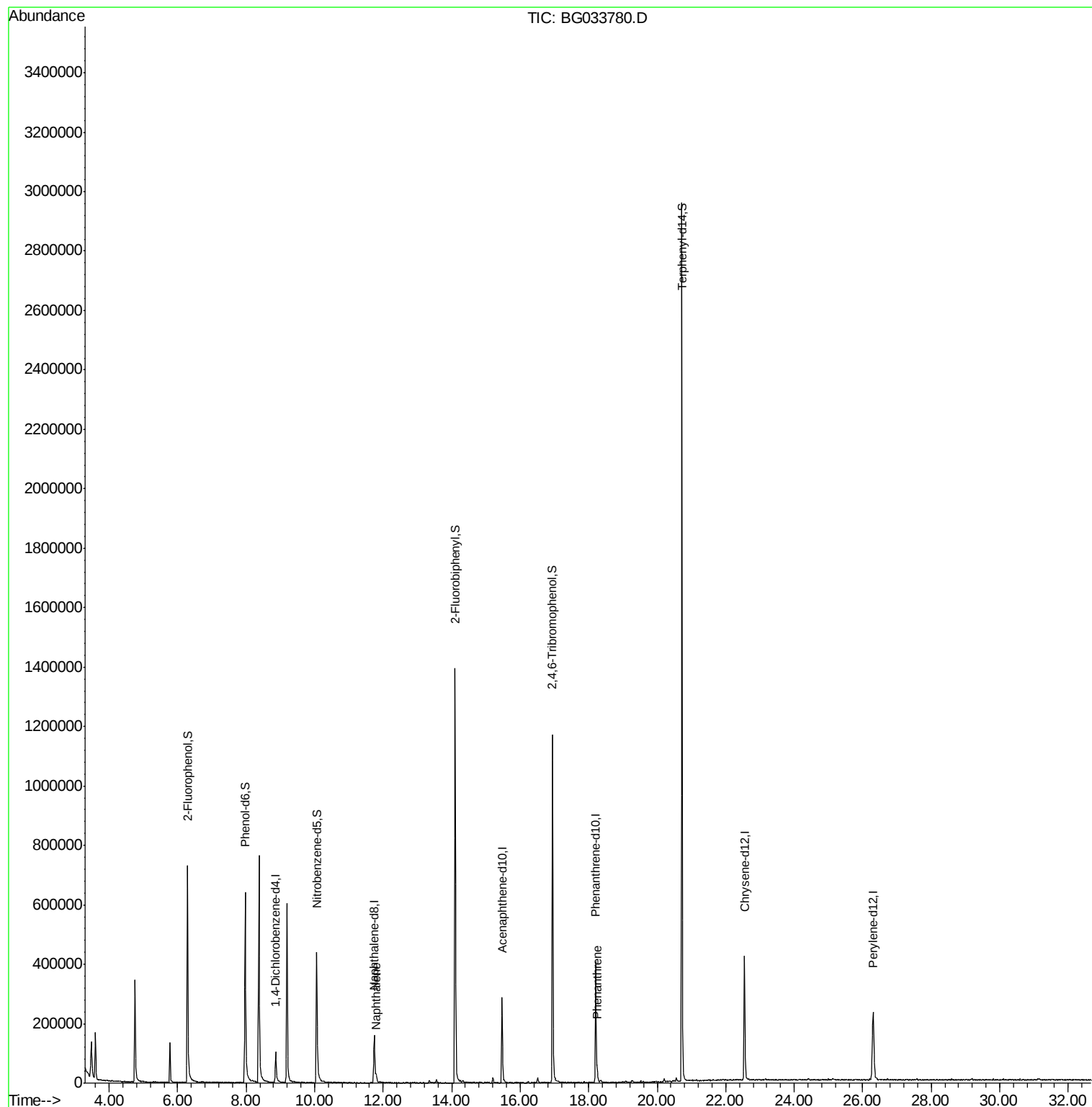
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.86  | 152  | 40101    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.74 | 136  | 156320   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.47 | 164  | 109799   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.20 | 188  | 285472   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 304154   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.30 | 264  | 319656   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 340599   | 159.26 | ng    | 0.00     |
| 7) Phenol-d6                | 7.97  | 99   | 439107   | 119.50 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 353464   | 103.89 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.94 | 330  | 230559   | 140.40 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.10 | 172  | 763473   | 100.38 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.72 | 244  | 1451061  | 102.03 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.79 | 128  | 21137    | 2.609  | ng    | 96       |
| 70) Phenanthrene            | 18.24 | 178  | 38139    | 2.565  | ng    | 95       |

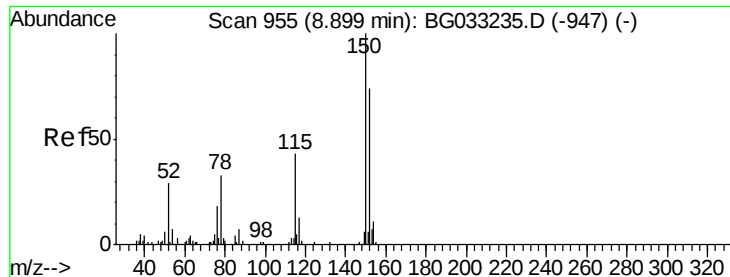
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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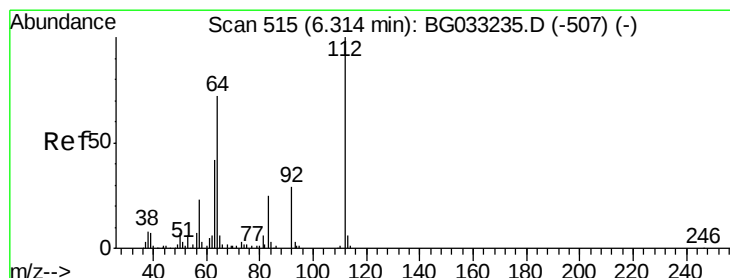
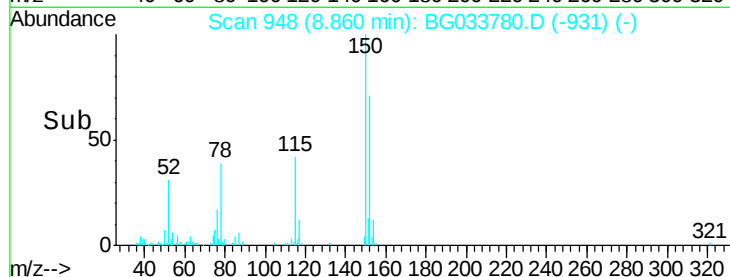
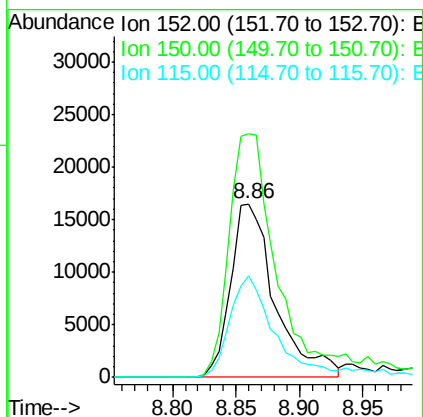
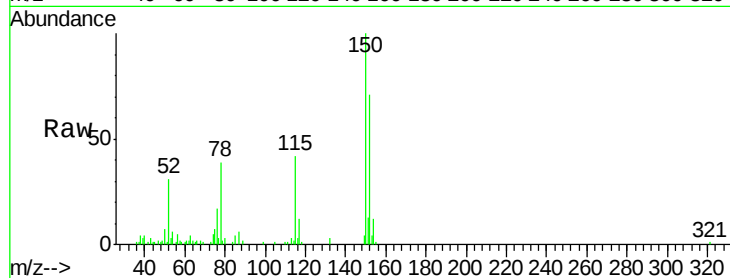


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

Instrument :  
BNA\_G  
ClientSampleId :  
WC-PH3-ARE-01

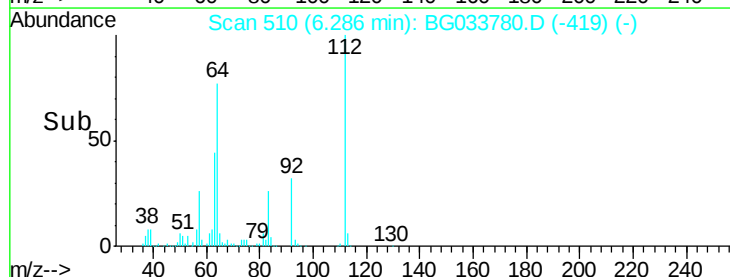
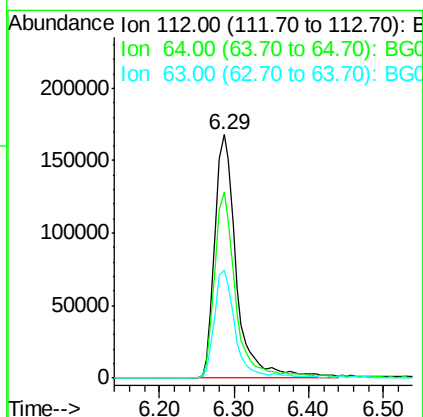
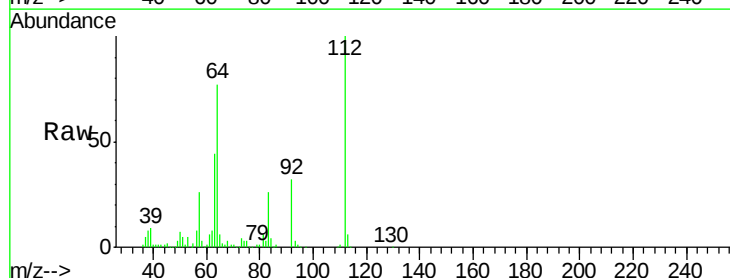
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 140.1 | 126.6 | 189.8 |
| 115     | 58.4  | 53.0  | 79.4  |

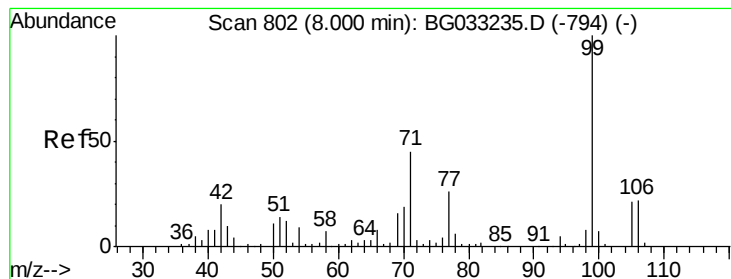


#5

2-Fluorophenol  
Concen: 159.264 ng  
RT: 6.29 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 76.6  | 56.3  | 84.5  |
| 63      | 44.4  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 119.500 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA\_G

ClientSampleId :

WC-PH3-ARE-01

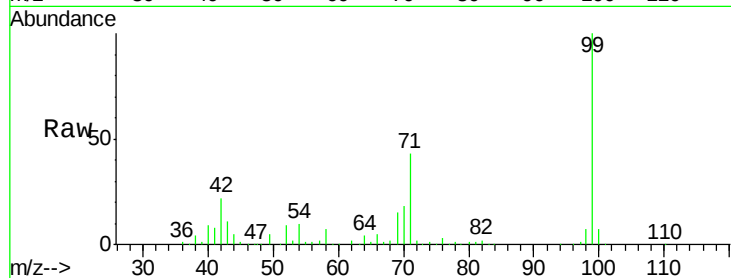
Tot Ion: 99 Resp: 439107

Ion Ratio Lower Upper

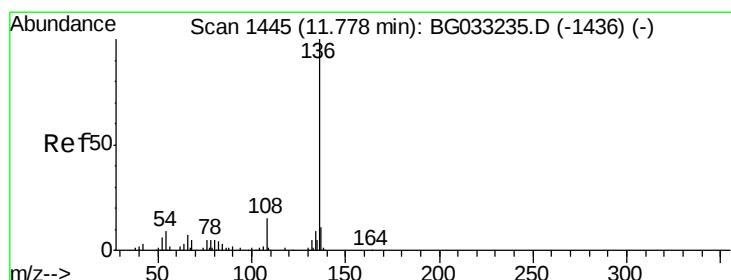
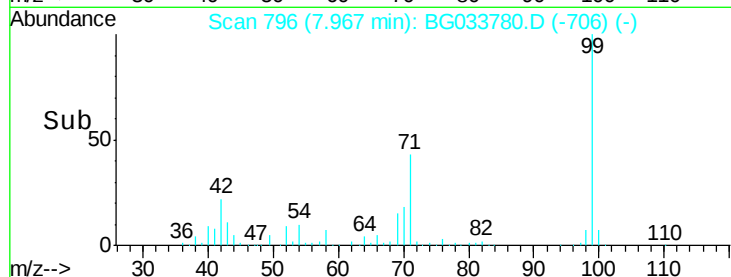
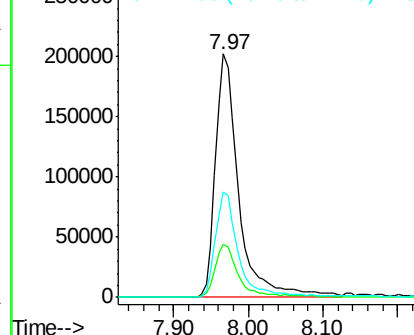
99 100

42 21.6 14.1 21.1#

71 43.0 26.1 39.1#



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: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Tgt Ion: 136 Resp: 156320

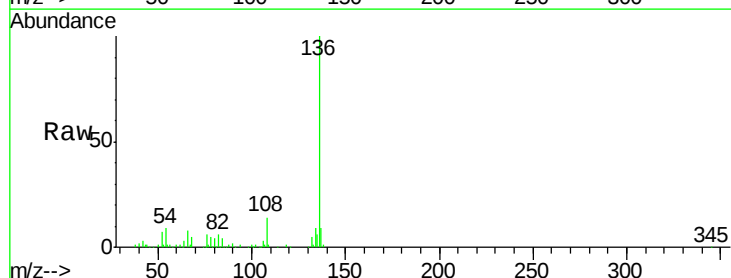
Ion Ratio Lower Upper

136 100

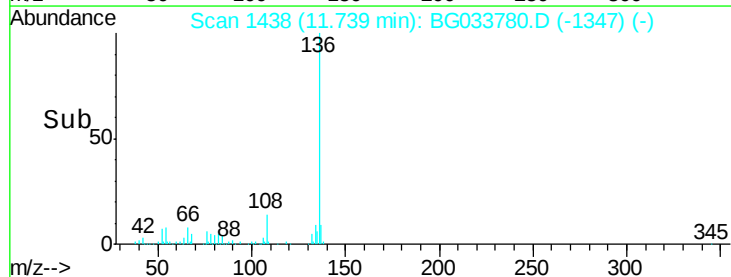
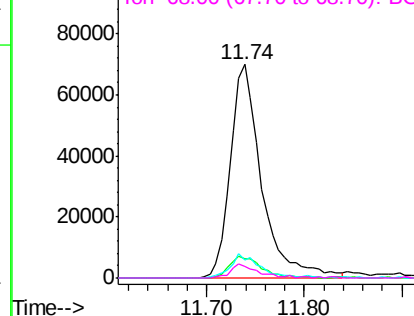
137 9.2 9.2 13.8

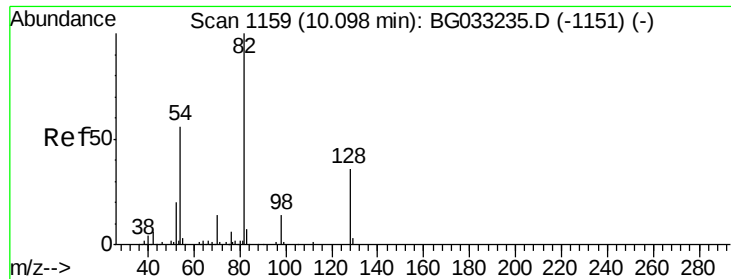
54 8.7 10.3 15.5#

68 5.4 4.5 6.7



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

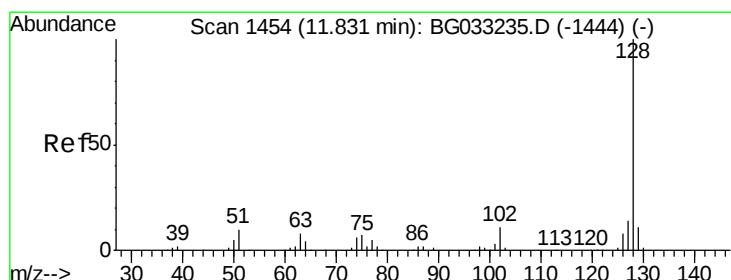
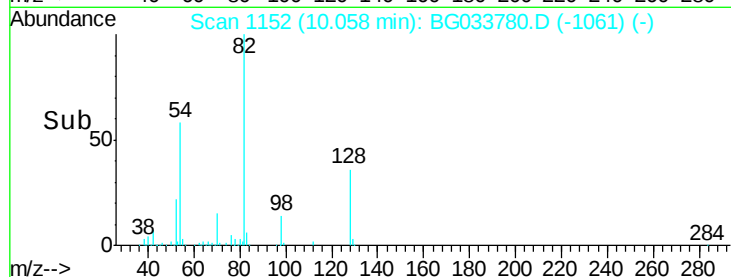
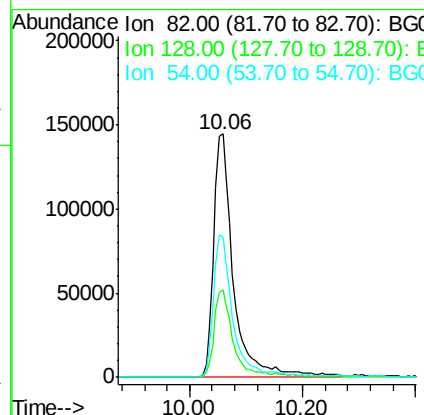
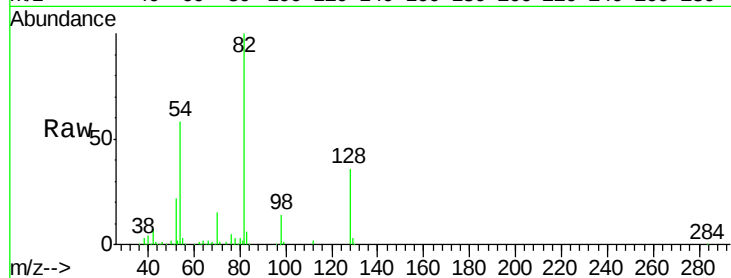




#23  
 Nitrobenzene-d5  
 Concen: 103.887 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BG033780.D  
 Acq: 12 Apr 2018 19:55

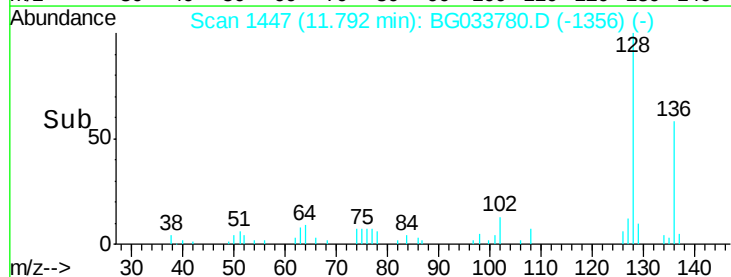
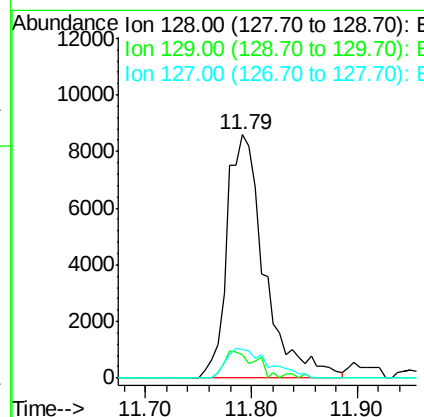
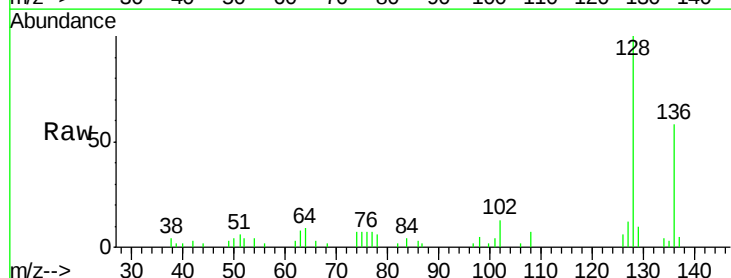
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-PH3-ARE-01

| Tot Ion   | 82    | Resp  | 353464 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.7  | 29.7  | 44.5   |
| 54        | 57.5  | 43.1  | 64.7   |



#31  
 Naphthalene  
 Concen: 2.609 ng  
 RT: 11.79 min Scan# 1447  
 Delta R.T. 0.00 min  
 Lab File: BG033780.D  
 Acq: 12 Apr 2018 19:55

| Tgt Ion   | 128   | Resp  | 21137 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 9.9   | 8.6   | 12.8  |
| 127       | 12.0  | 11.6  | 17.4  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA\_G

ClientSampleId :

WC-PH3-ARE-01

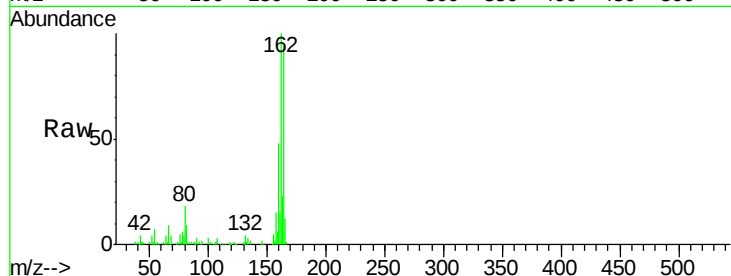
Tot Ion:164 Resp: 109799

Ion Ratio Lower Upper

164 100

162 106.1 78.8 118.2

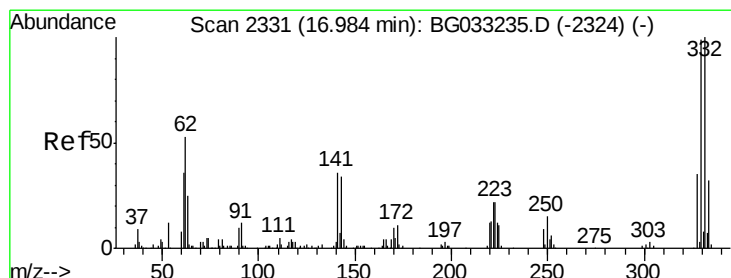
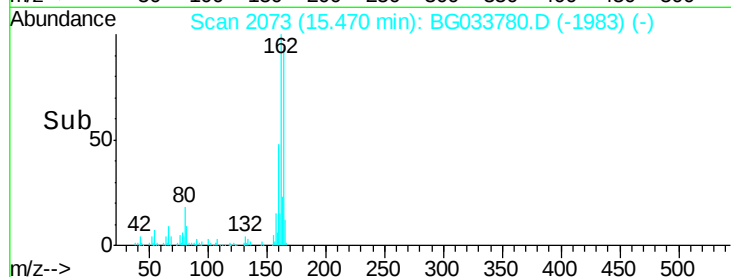
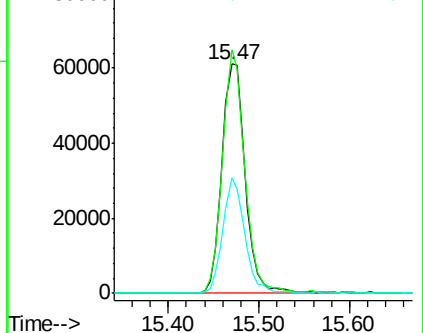
160 50.5 35.4 53.0



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: 140.399 ng

RT: 16.94 min Scan# 2324

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

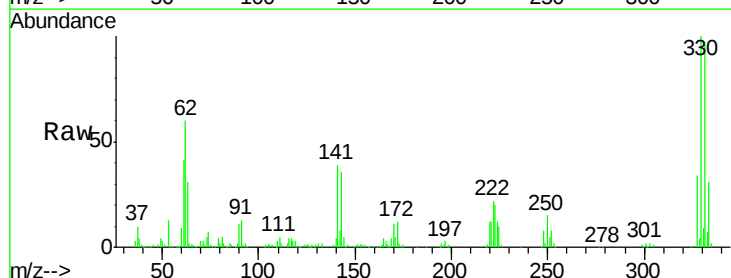
Tgt Ion:330 Resp: 230559

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

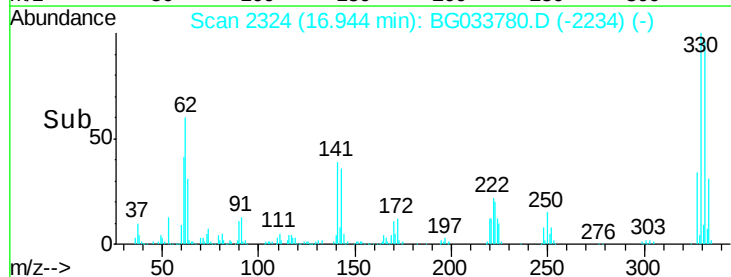
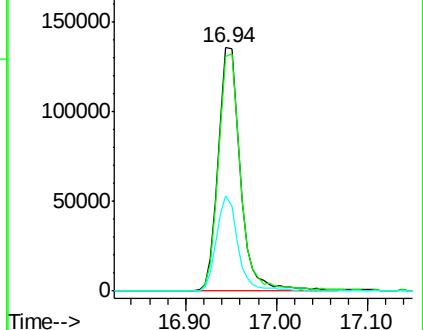
141 37.7 25.2 37.8



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

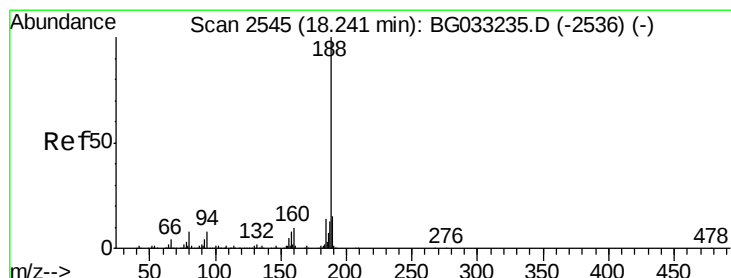
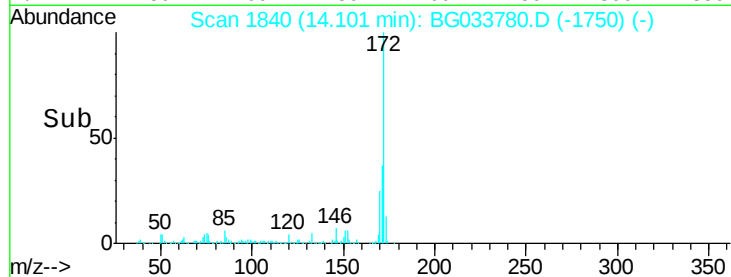
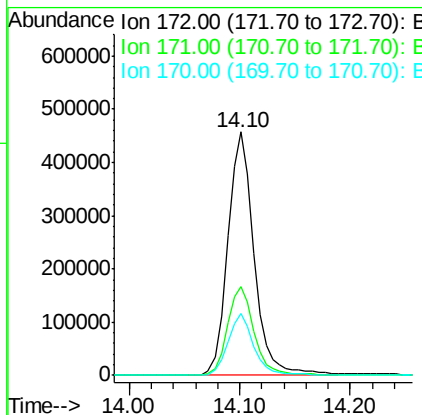
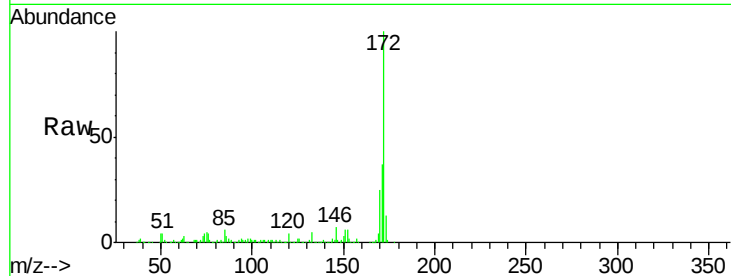




#44  
2-Fluorobiphenyl  
Concen: 100.381 ng  
RT: 14.10 min Scan# 1840  
Delta R.T. -0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

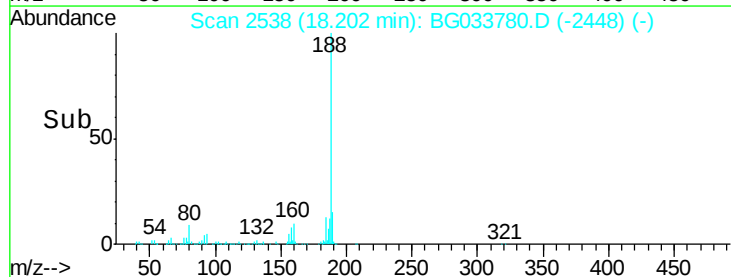
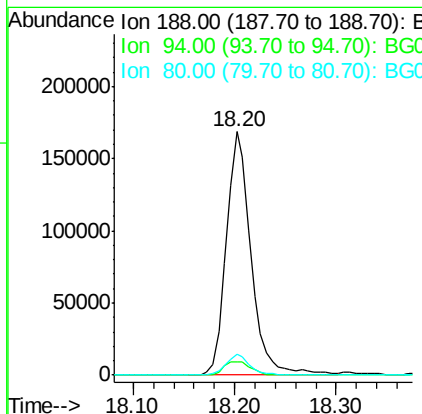
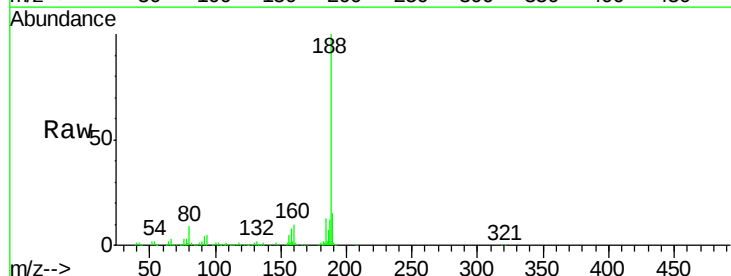
Instrument :  
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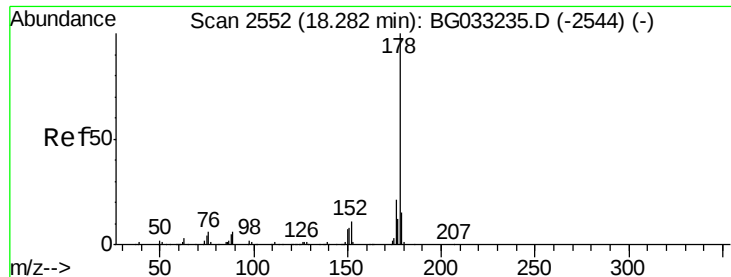
Tot Ion:172 Resp: 763473  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.0 45.0  
170 25.3 19.5 29.3



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.20 min Scan# 2538  
Delta R.T. -0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

Tgt Ion:188 Resp: 285472  
Ion Ratio Lower Upper  
188 100  
94 5.5 6.9 10.3#  
80 8.5 7.7 11.5

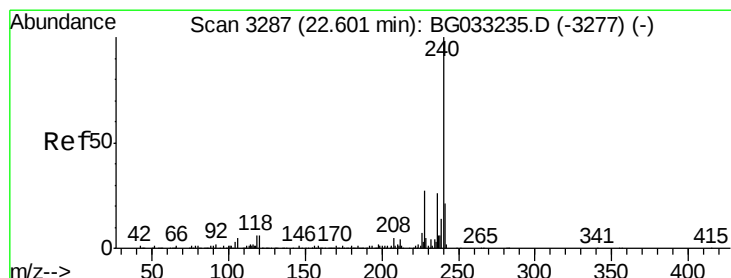
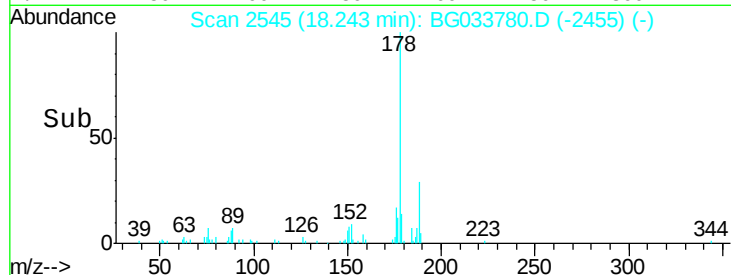
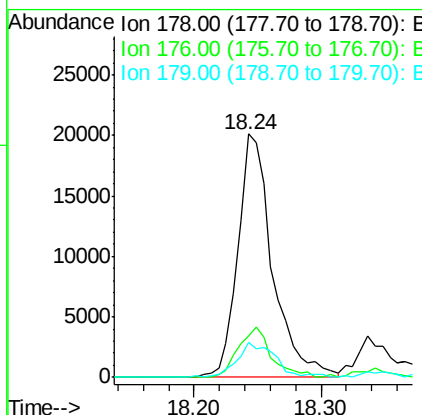
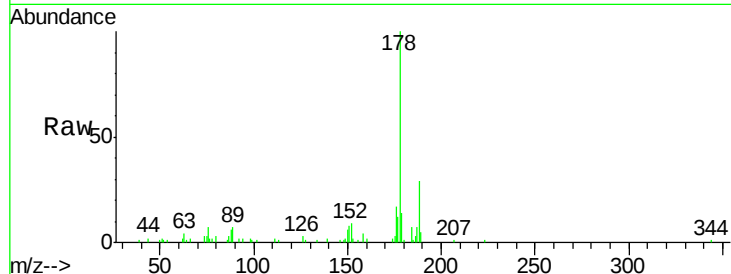




#70  
Phenanthrene  
Concen: 2.565 ng  
RT: 18.24 min Scan# 2545  
Delta R.T. -0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

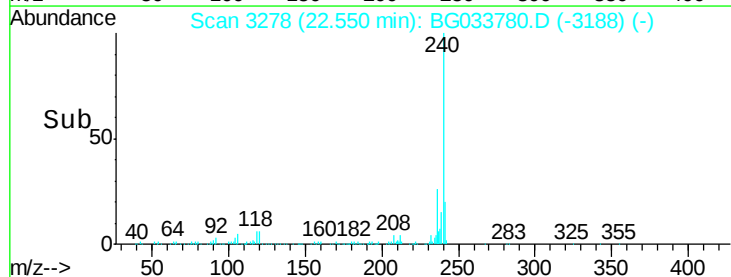
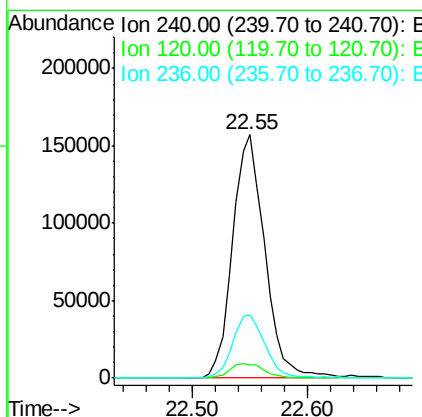
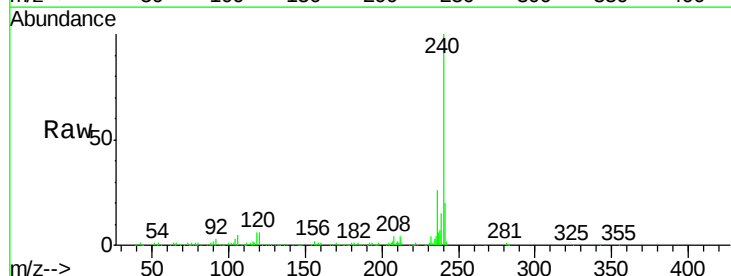
Instrument :  
BNA\_G  
ClientSampleId :  
WC-PH3-ARE-01

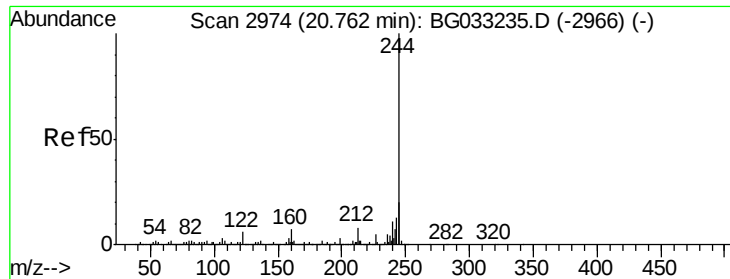
Tot Ion:178 Resp: 38139  
Ion Ratio Lower Upper  
178 100  
176 17.0 15.7 23.5  
179 14.3 12.5 18.7



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3278  
Delta R.T. -0.00 min  
Lab File: BG033780.D  
Acq: 12 Apr 2018 19:55

Tgt Ion:240 Resp: 304154  
Ion Ratio Lower Upper  
240 100  
120 5.6 6.8 10.2#  
236 25.9 20.9 31.3





#78

Terphenyl-d14

Concen: 102.029 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

Instrument :

BNA\_G

ClientSampleId :

WC-PH3-ARE-01

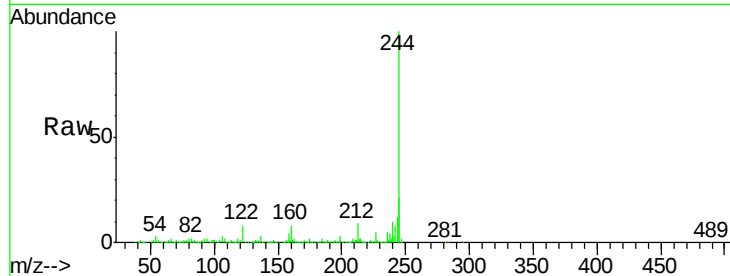
Tot Ion:244 Resp: 1451061

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

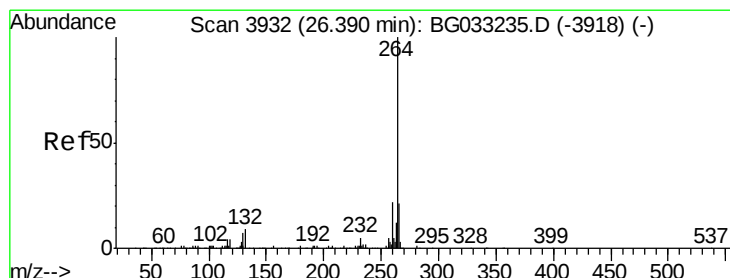
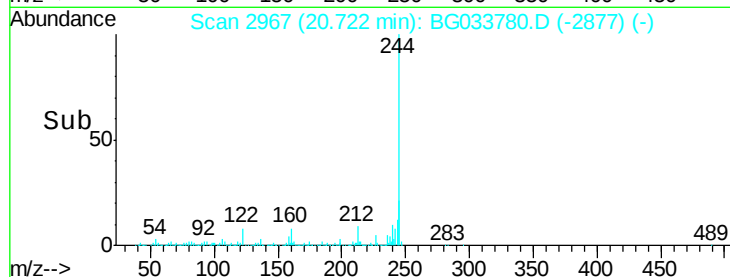
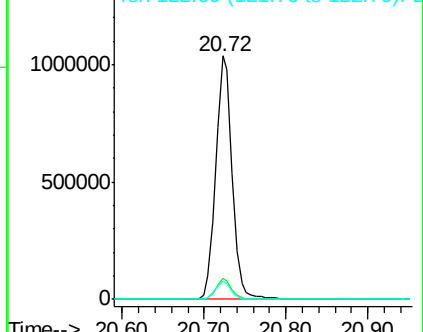
122 7.7 7.0 10.4



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: 26.30 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BG033780.D

Acq: 12 Apr 2018 19:55

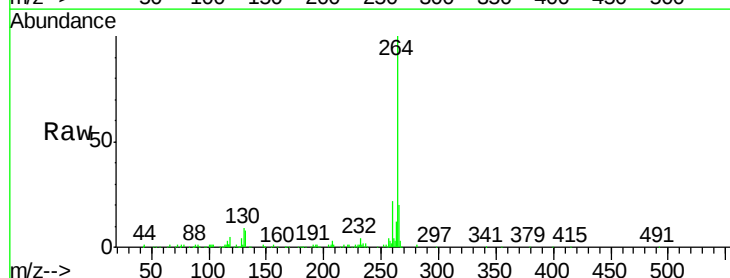
Tgt Ion:264 Resp: 319656

Ion Ratio Lower Upper

264 100

260 21.6 17.4 26.0

265 20.4 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

