

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030538.D  
 Acq On : 28 Oct 2017 22:01  
 Operator : SJ/JU  
 Sample : I6093-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW-B8

Quant Time: Oct 30 06:48:49 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

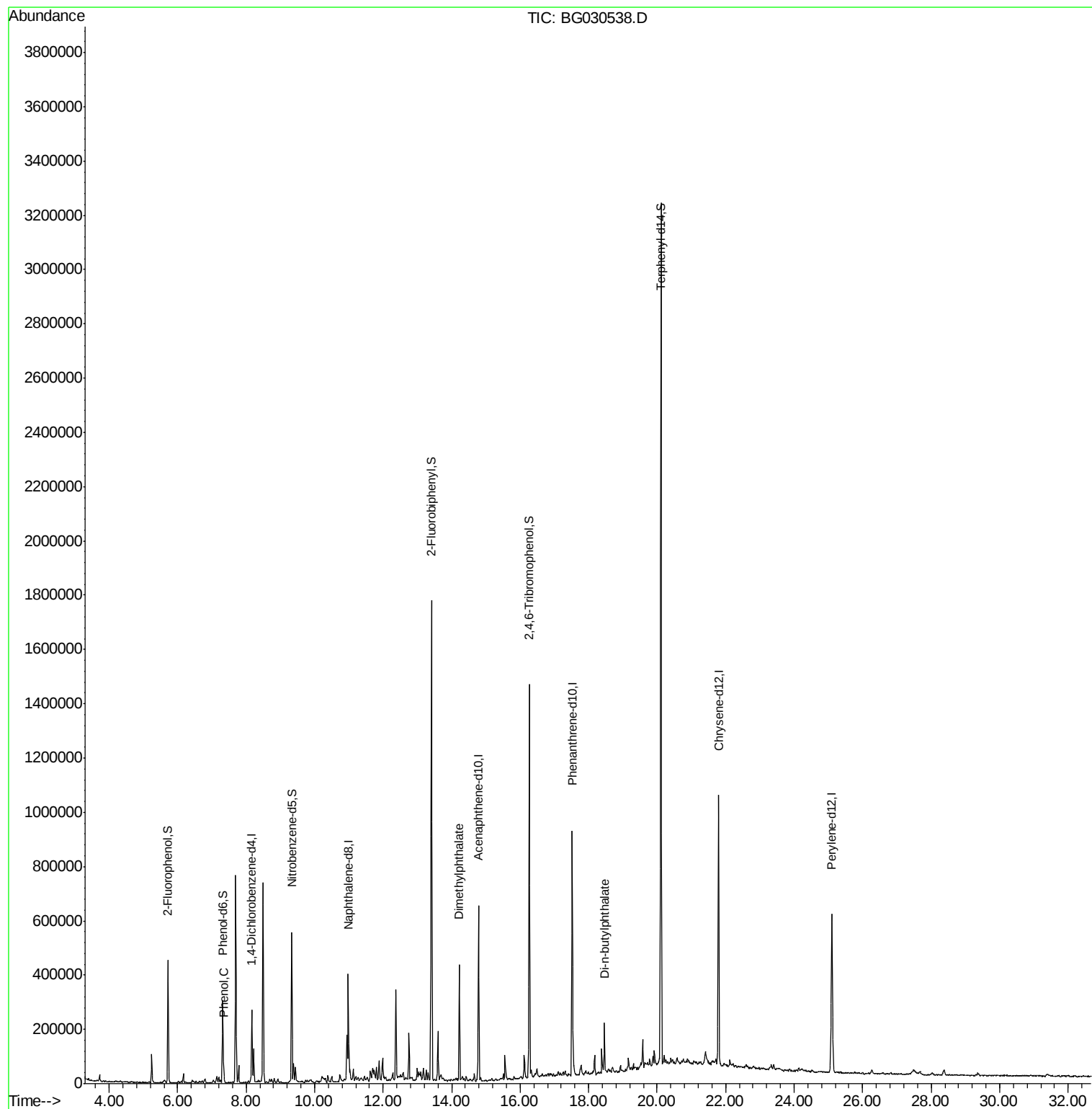
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 79206    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 353860   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 235549   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 555659   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 614752   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.10 | 264  | 619301   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 206364   | 43.52  | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 171419   | 25.76  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 343327   | 61.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 289801   | 95.29  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 943758   | 58.76  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1484960  | 54.95  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.34  | 94   | 25622    | 3.571  | ng    | 90       |
| 49) Dimethylphthalate       | 14.22 | 163  | 290886   | 15.828 | ng    | 99       |
| 73) Di-n-butylphthalate     | 18.46 | 149  | 129010   | 4.051  | ng    | 99       |

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

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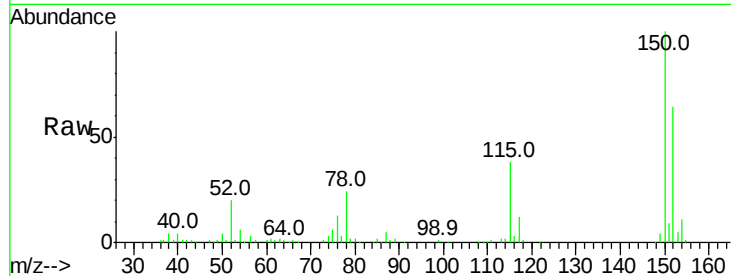


#1

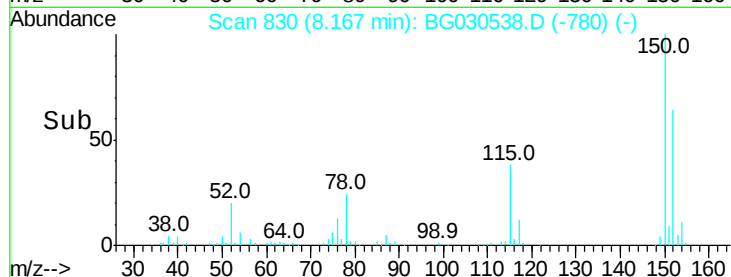
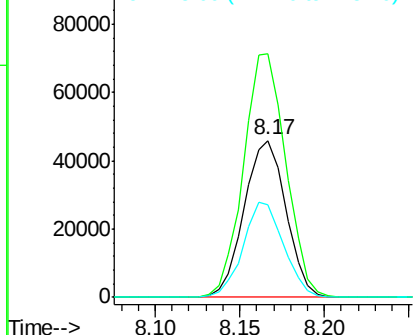
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

Instrument :  
BNA\_G  
ClientSampleId :  
TEC-MW-B8

Tot Ion:152 Resp: 79206  
Ion Ratio Lower Upper  
152 100  
150 155.5 126.6 189.8  
115 59.0 53.0 79.4



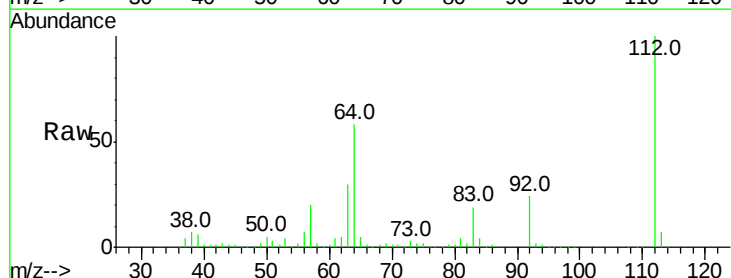
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



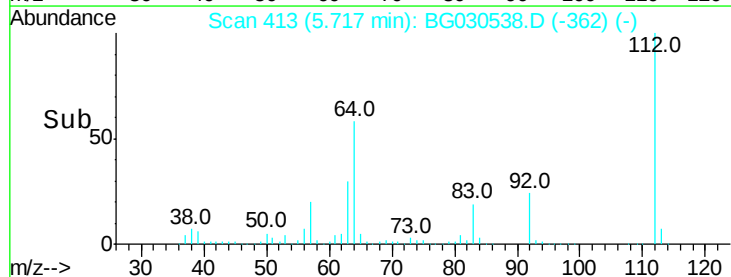
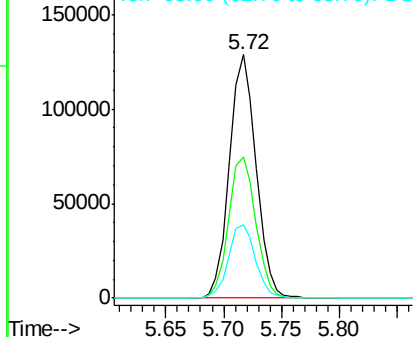
#5

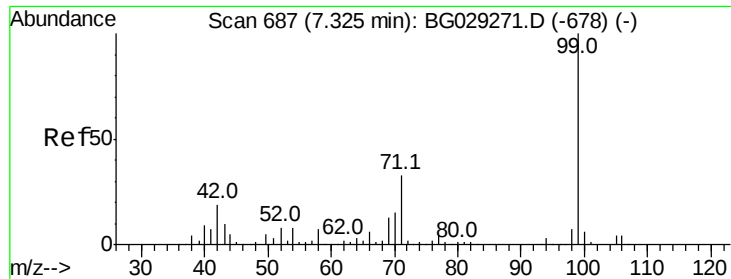
2-Fluorophenol  
Concen: 43.525 ng  
RT: 5.72 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

Tgt Ion:112 Resp: 206364  
Ion Ratio Lower Upper  
112 100  
64 57.9 56.3 84.5  
63 30.4 30.1 45.1



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: 25.757 ng

RT: 7.31 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

Instrument :

BNA\_G

ClientSampleId :

TEC-MW-B8

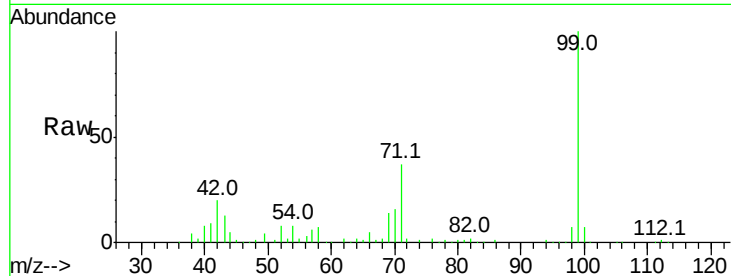
Tot Ion: 99 Resp: 171419

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

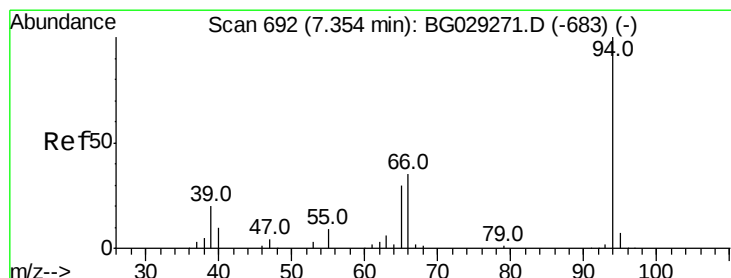
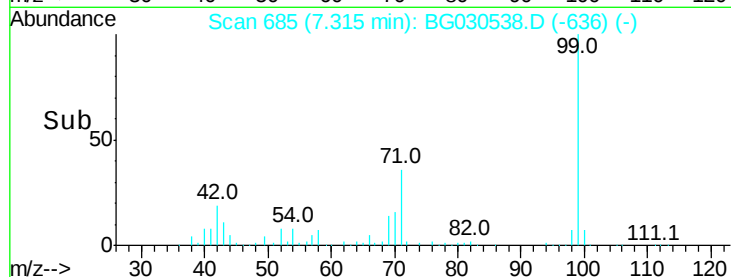
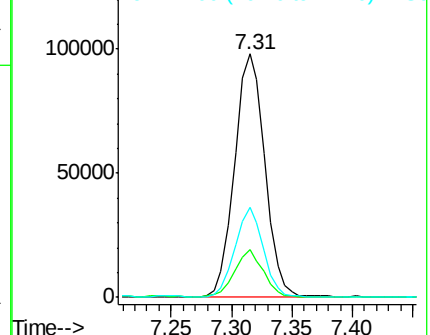
71 37.0 26.1 39.1



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



#10

Phenol

Concen: 3.571 ng

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

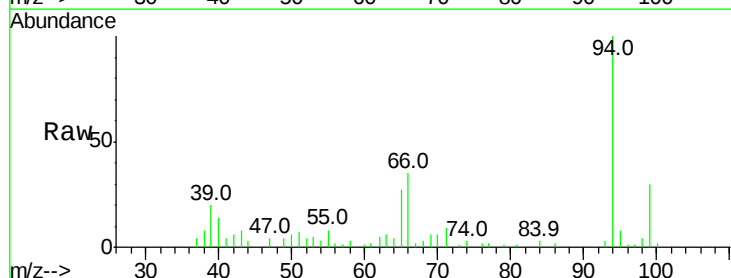
Tgt Ion: 94 Resp: 25622

Ion Ratio Lower Upper

94 100

65 27.3 11.9 51.9

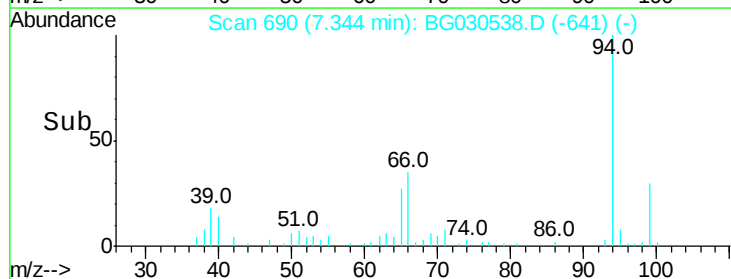
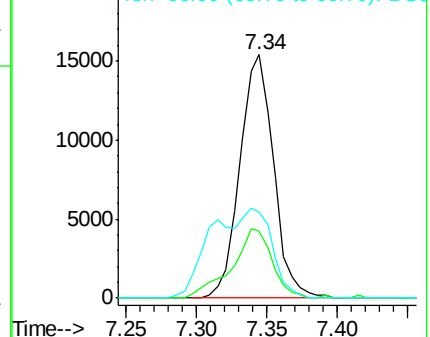
66 35.3 22.2 62.2

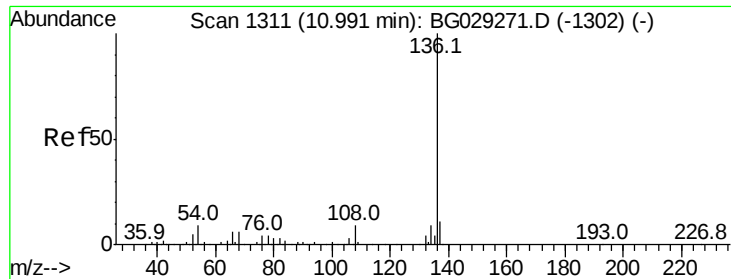


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

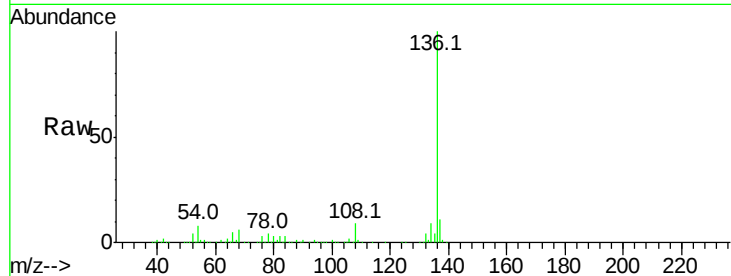




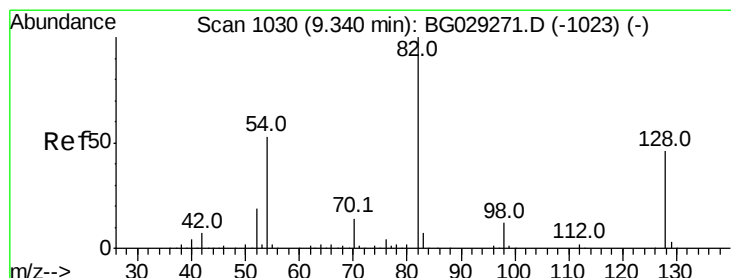
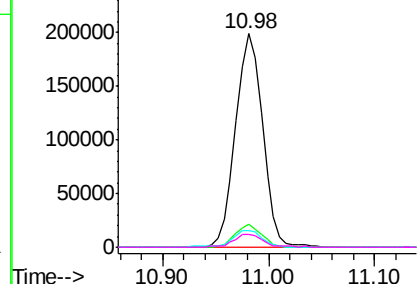
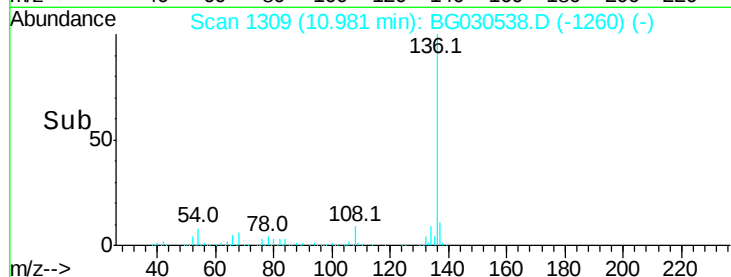
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

Instrument :  
BNA\_G  
ClientSampleId :  
TEC-MW-B8

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 353860      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.8  | 9.2 13.8    |
| 54          | 8.1   | 10.3 15.5#  |
| 68          | 5.9   | 4.5 6.7     |

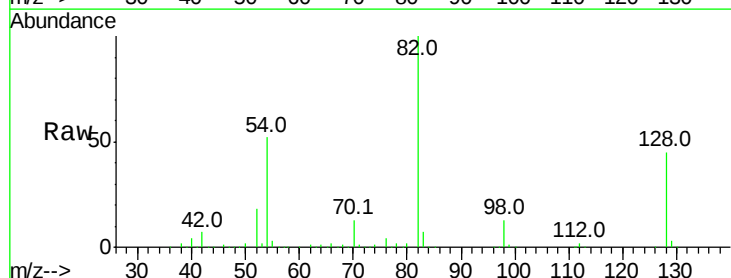


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

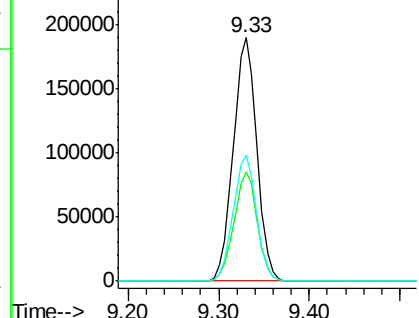
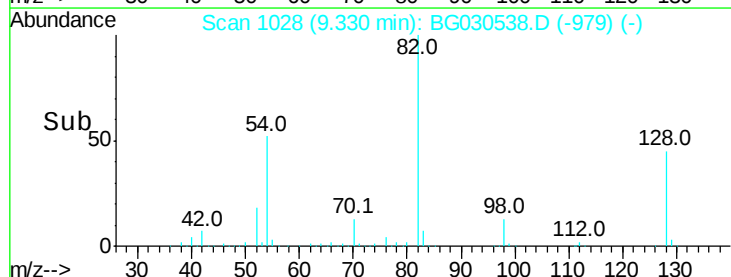


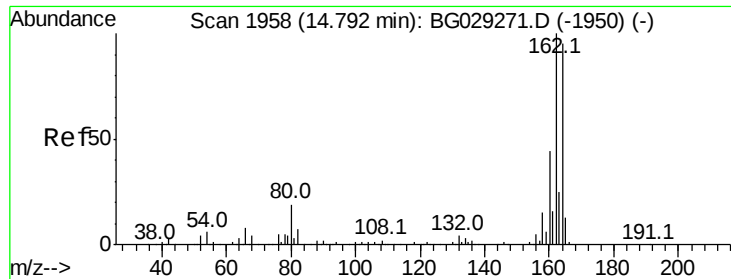
#23  
Nitrobenzene-d5  
Concen: 61.656 ng  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 343327      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.7  | 29.7 44.5#  |
| 54          | 51.7  | 43.1 64.7   |



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

Instrument :

BNA\_G

ClientSampleId :

TEC-MW-B8

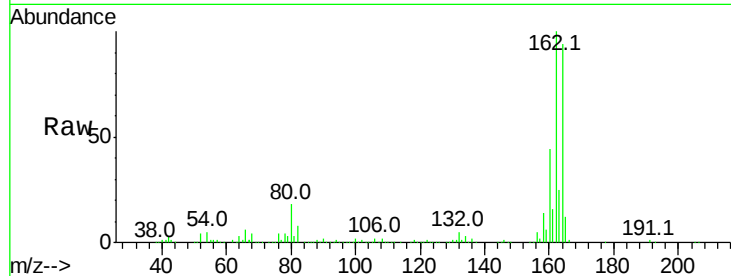
Tot Ion:164 Resp: 235549

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

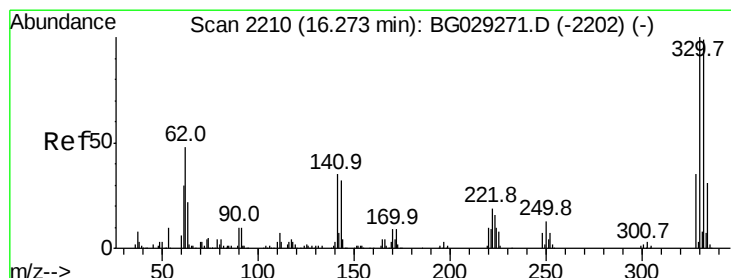
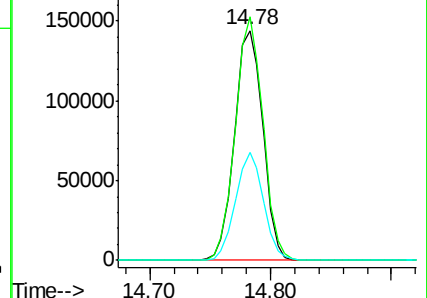
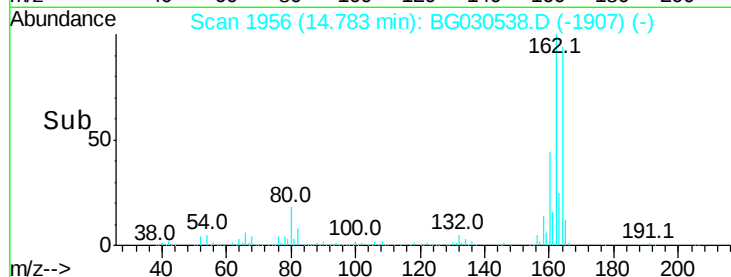
160 46.8 35.4 53.0



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: 95.292 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

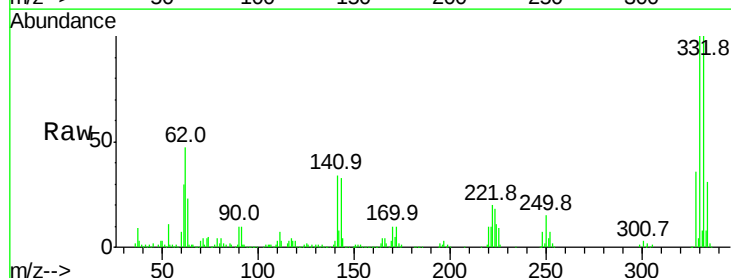
Tgt Ion:330 Resp: 289801

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

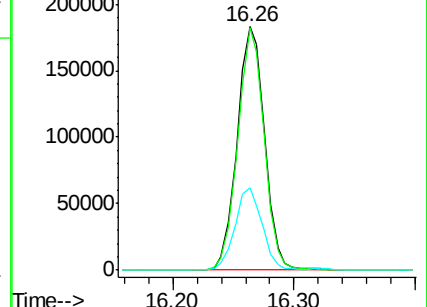
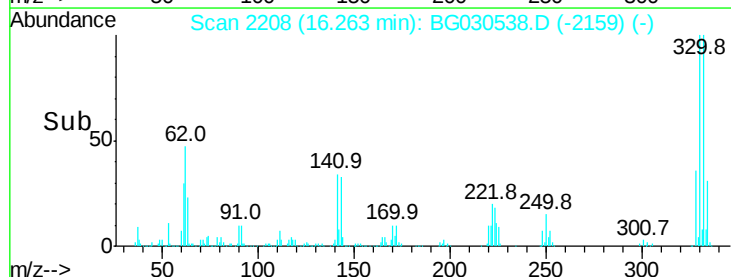
141 33.3 25.2 37.8

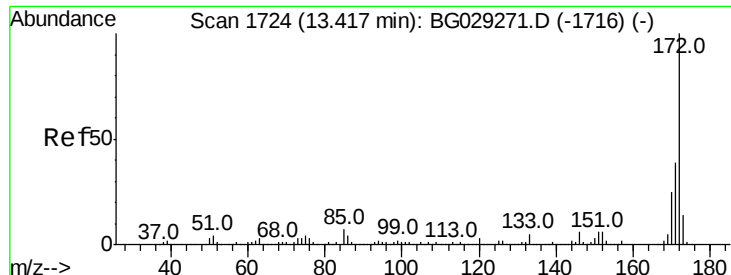


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

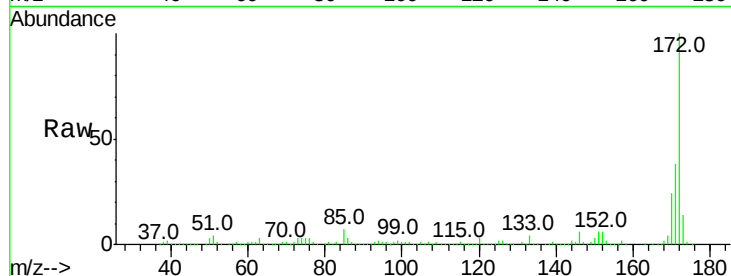




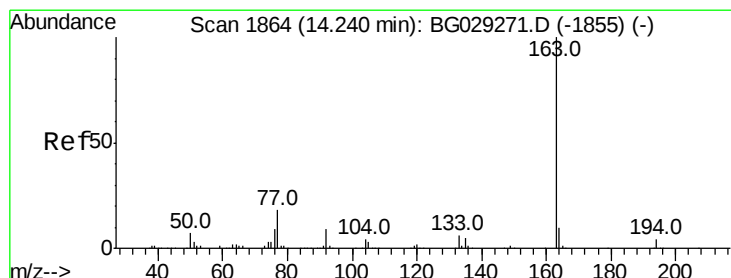
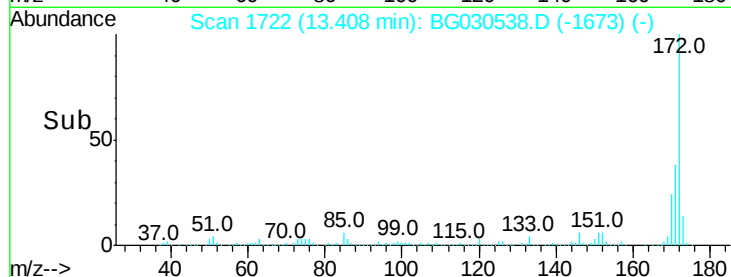
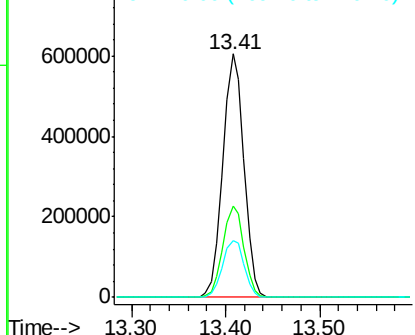
#44  
2-Fluorobiphenyl  
Concen: 58.763 ng  
RT: 13.41 min Scan# 1722  
Delta R.T. -0.01 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

Instrument :  
BNA\_G  
ClientSampleId :  
TEC-MW-B8

Tot Ion:172 Resp: 943758  
Ion Ratio Lower Upper  
172 100  
171 37.7 30.0 45.0  
170 23.5 19.5 29.3

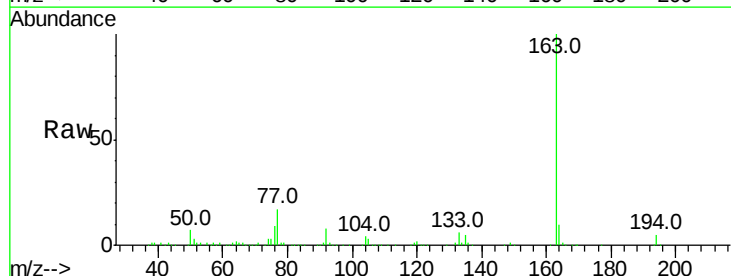


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

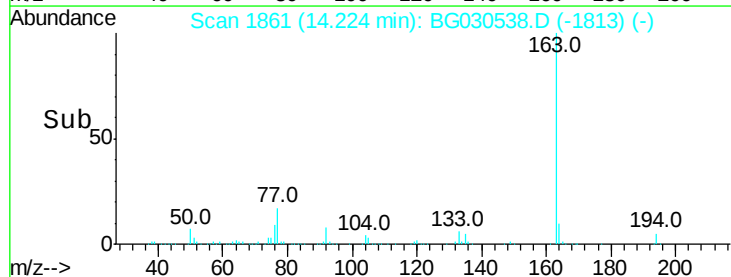
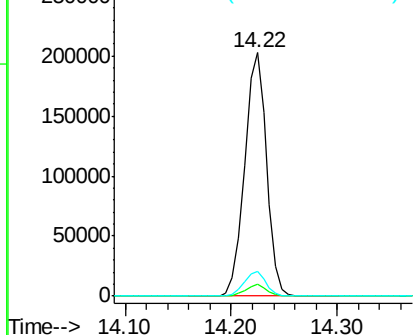


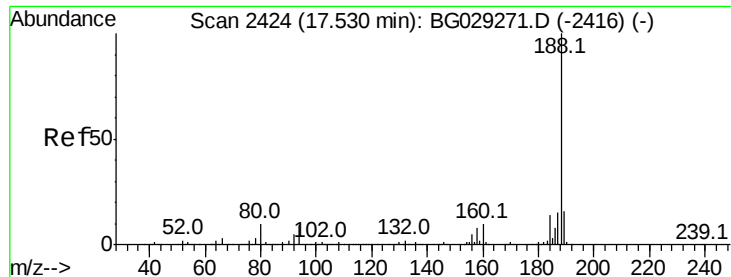
#49  
Dimethylphthalate  
Concen: 15.828 ng  
RT: 14.22 min Scan# 1861  
Delta R.T. -0.02 min  
Lab File: BG030538.D  
Acq: 28 Oct 2017 22:01

Tgt Ion:163 Resp: 290886  
Ion Ratio Lower Upper  
163 100  
194 4.8 3.4 5.2  
164 10.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

Instrument :

BNA\_G

ClientSampleId :

TEC-MW-B8

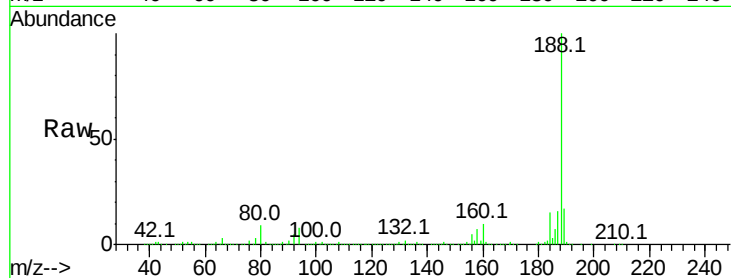
Tot Ion:188 Resp: 555659

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

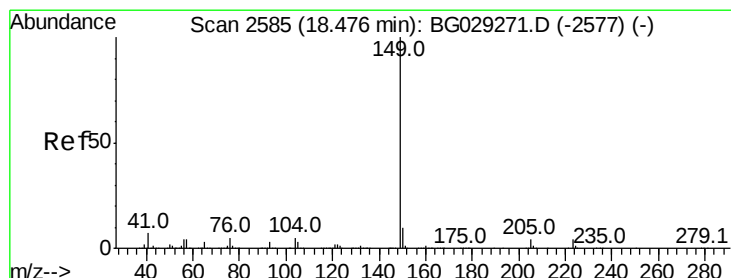
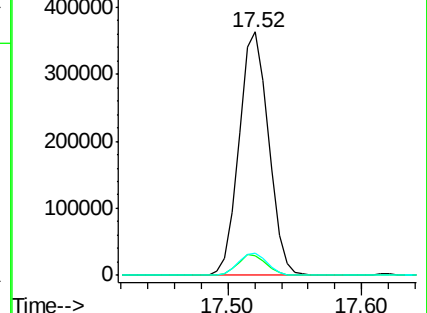
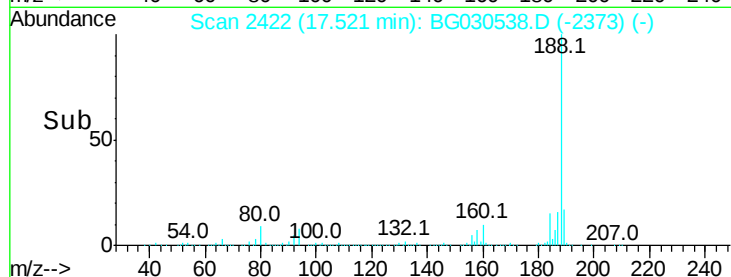
80 9.2 7.7 11.5



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



#73

Di-n-butylphthalate

Concen: 4.051 ng

RT: 18.46 min Scan# 2582

Delta R.T. -0.02 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

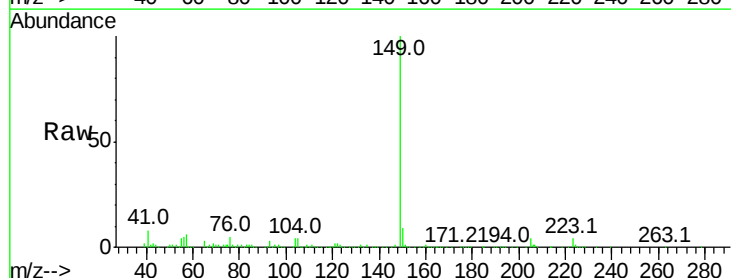
Tgt Ion:149 Resp: 129010

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

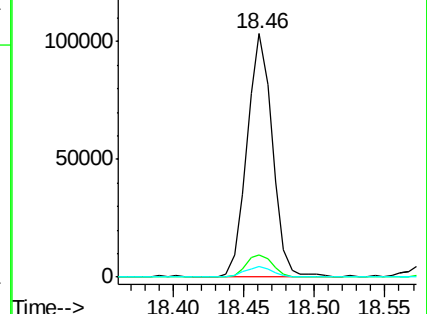
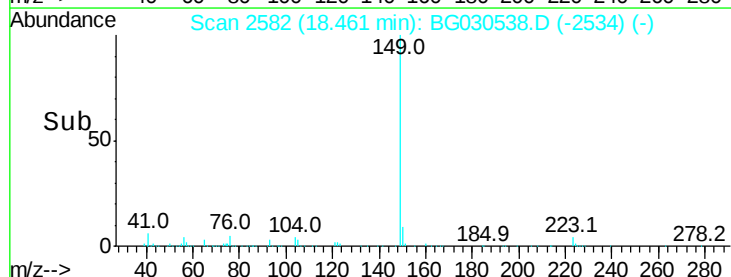
104 4.4 3.9 5.9

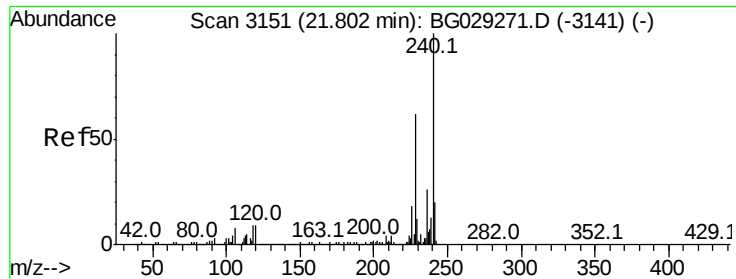


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

Instrument :

BNA\_G

ClientSampleId :

TEC-MW-B8

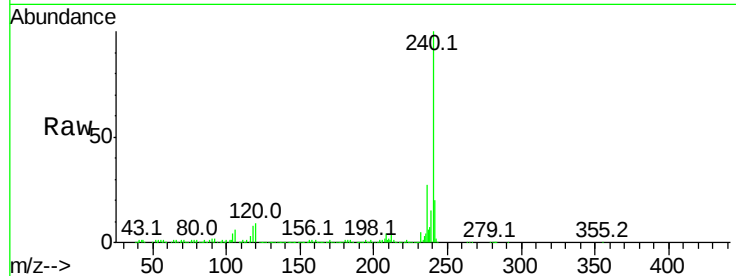
Tot Ion:240 Resp: 614752

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

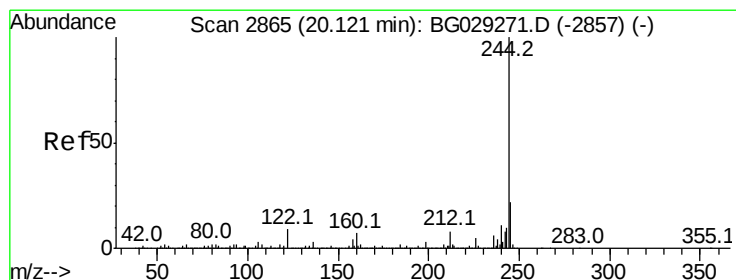
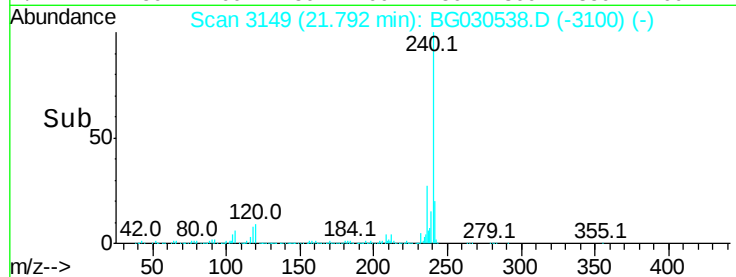
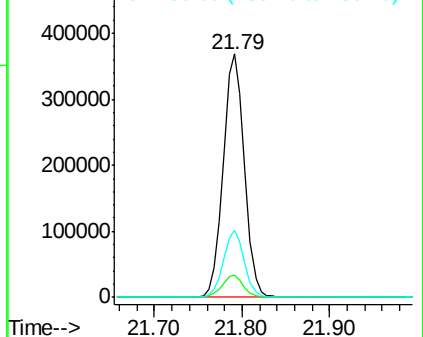
236 27.3 20.9 31.3



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: 54.952 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG030538.D

Acq: 28 Oct 2017 22:01

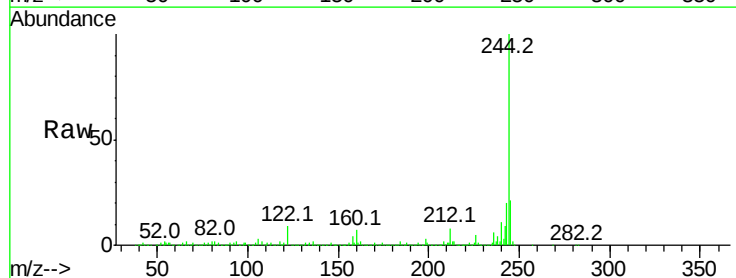
Tgt Ion:244 Resp: 1484960

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

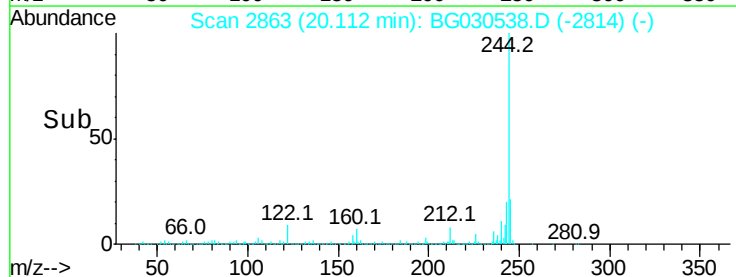
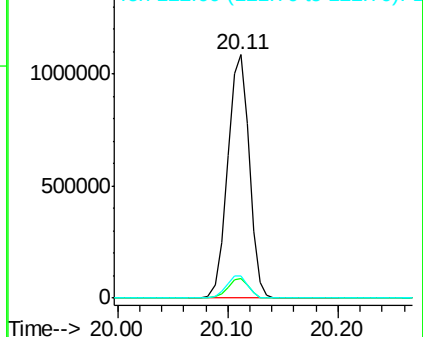
122 9.1 7.0 10.4

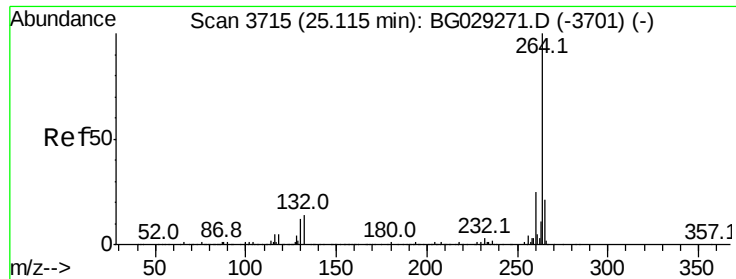


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.10 min Scan# 3712  
 Delta R.T. -0.02 min  
 Lab File: BG030538.D  
 Acq: 28 Oct 2017 22:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-MW-B8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 17.4  | 26.0  |
| 265     | 21.3  | 17.7  | 26.5  |

