

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\  
 Data File : BG029366.D  
 Acq On : 19 Oct 2017 15:15  
 Operator : SJ/JU  
 Sample : I5905-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 19 16:39:46 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

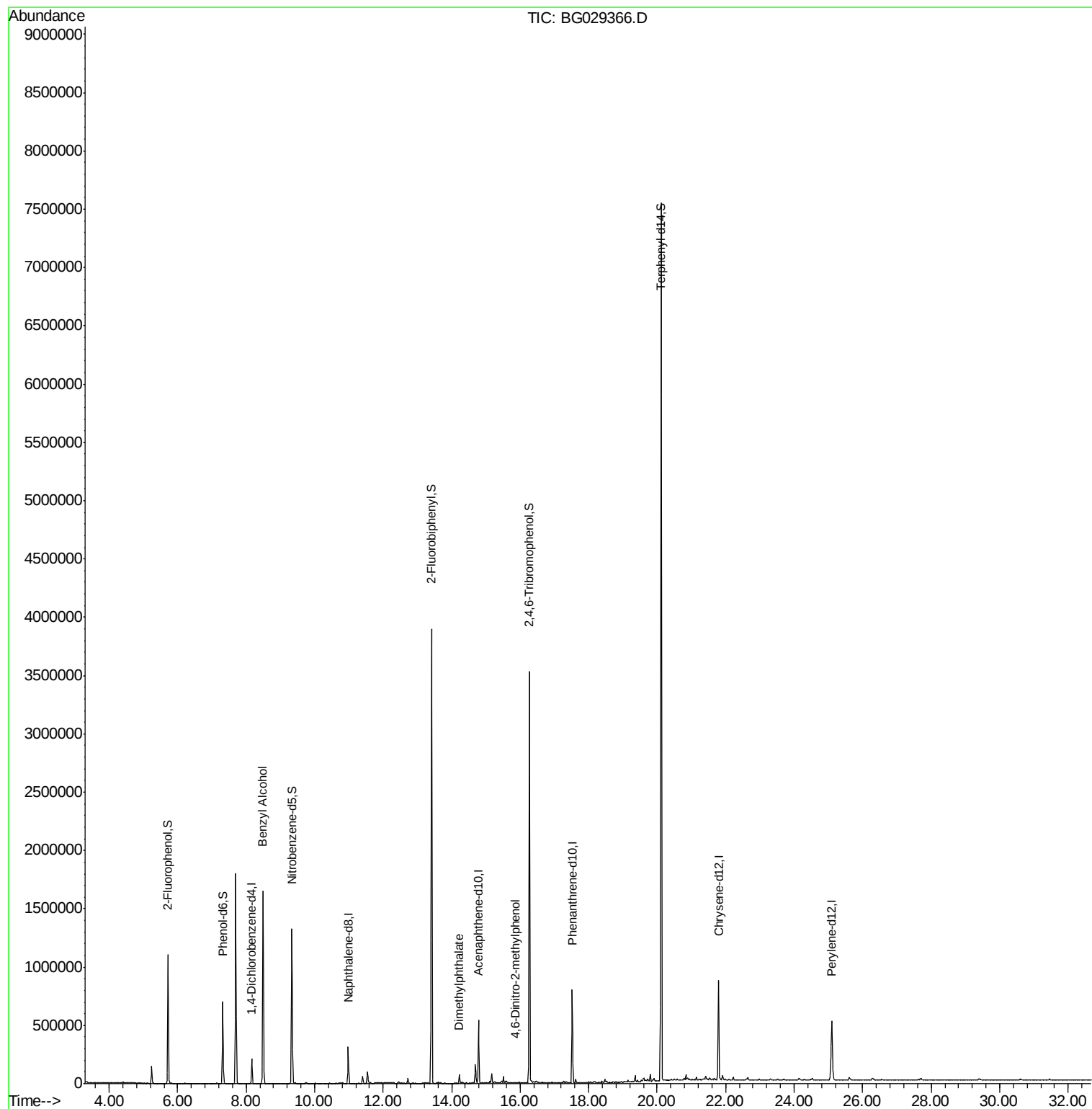
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.17  | 152  | 59453    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 10.98 | 136  | 270847   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10           | 14.78 | 164  | 184600   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10           | 17.52 | 188  | 489120   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12               | 21.79 | 240  | 546058   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12               | 25.09 | 264  | 558139   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.72  | 112  | 493332   | 138.62 | ng    | 0.00        |
| 7) Phenol-d6                   | 7.32  | 99   | 422871   | 84.65  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 9.34  | 82   | 809842   | 190.01 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 16.27 | 330  | 740857   | 310.84 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 13.41 | 172  | 2027291  | 161.07 | ng    | 0.00        |
| 78) Terphenyl-d14              | 20.12 | 244  | 3274298  | 136.41 | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 15) Benzyl Alcohol             | 8.49  | 79   | 13296    | 3.777  | ng    | Qvalue # 39 |
| 49) Dimethylphthalate          | 14.23 | 163  | 51169    | 3.553  | ng    | 98          |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 69       | 5.022  | ng    | # 29        |

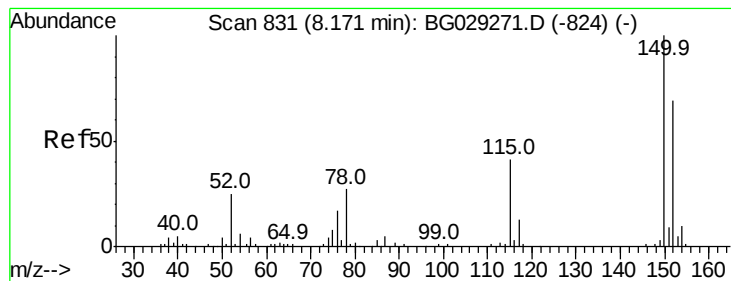
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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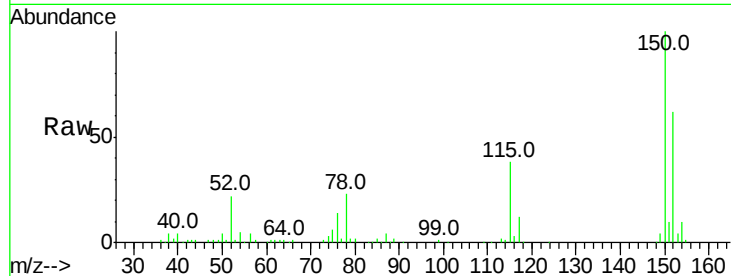


#1

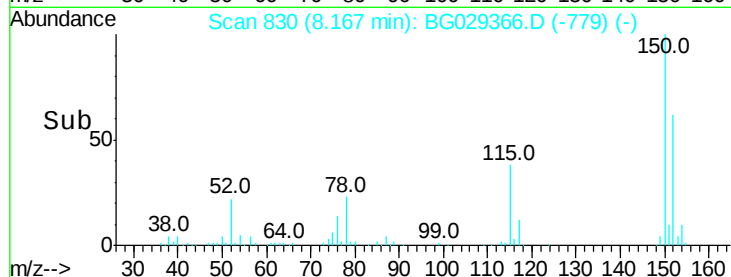
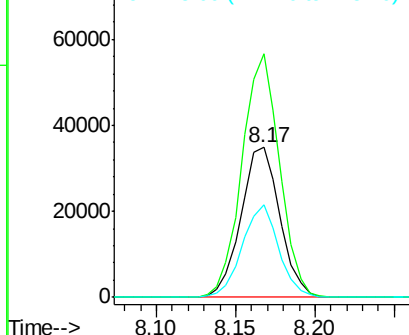
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 59453  
Ion Ratio Lower Upper  
152 100  
150 162.4 126.6 189.8  
115 62.1 53.0 79.4



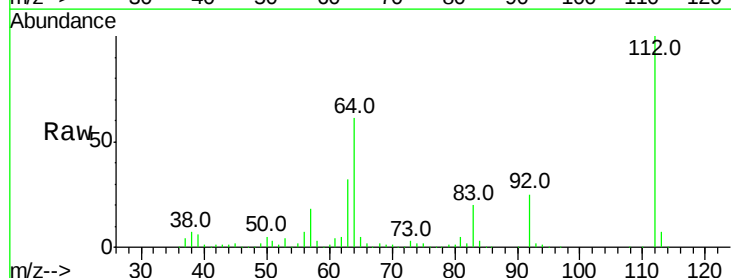
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



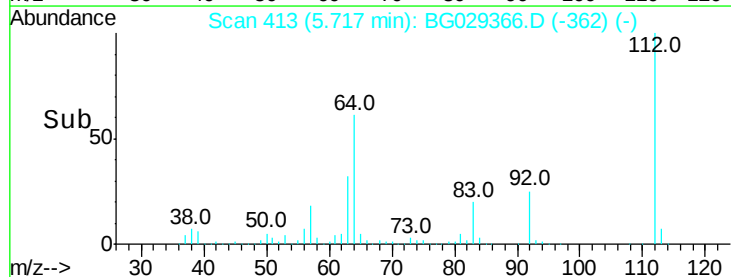
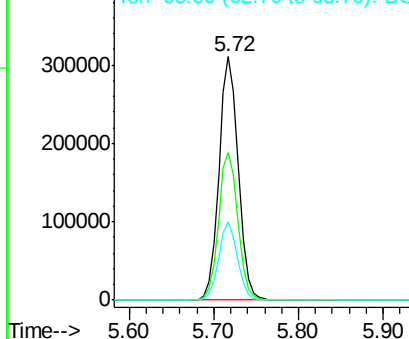
#5

2-Fluorophenol  
Concen: 138.620 ng  
RT: 5.72 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Tgt Ion:112 Resp: 493332  
Ion Ratio Lower Upper  
112 100  
64 60.5 56.3 84.5  
63 32.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 84.651 ng

RT: 7.32 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG029366.D

Acq: 19 Oct 2017 15:15

Instrument :

BNA\_G

ClientSampleId :

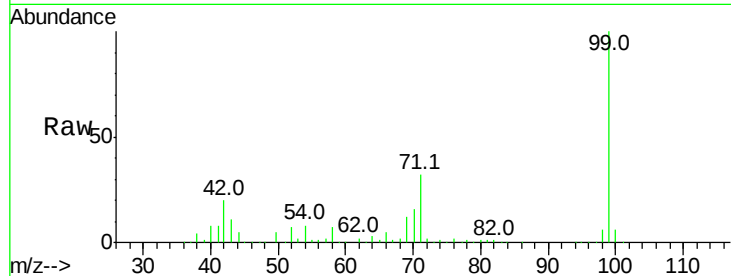
Tot Ion: 99 Resp: 422871

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

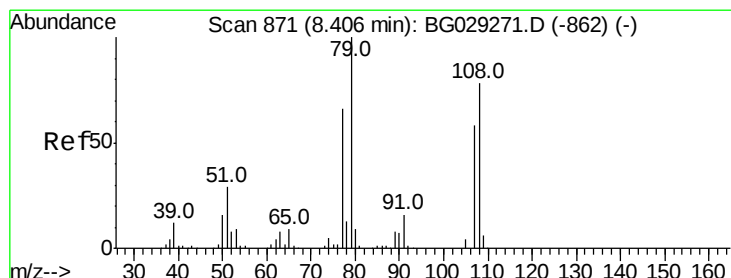
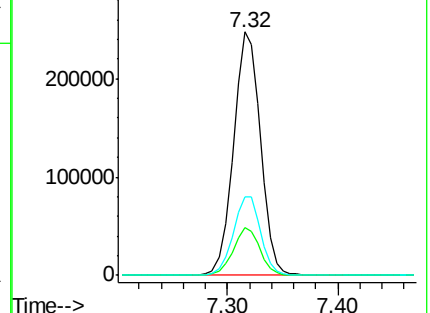
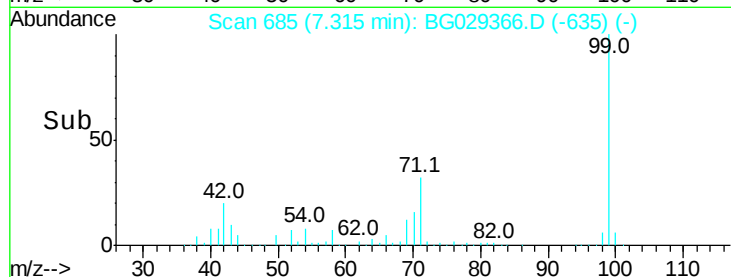
71 32.1 26.1 39.1



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



#15

Benzyl Alcohol

Concen: 3.777 ng

RT: 8.49 min Scan# 885

Delta R.T. 0.08 min

Lab File: BG029366.D

Acq: 19 Oct 2017 15:15

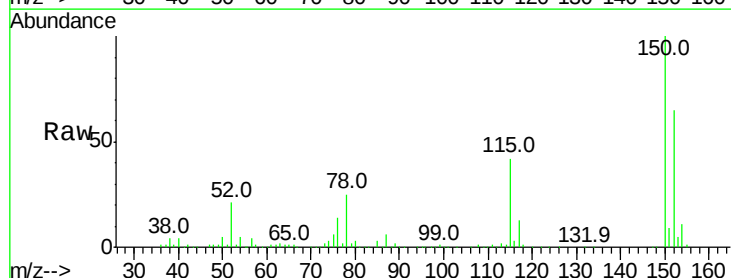
Tgt Ion: 79 Resp: 13296

Ion Ratio Lower Upper

79 100

108 29.6 57.2 85.8#

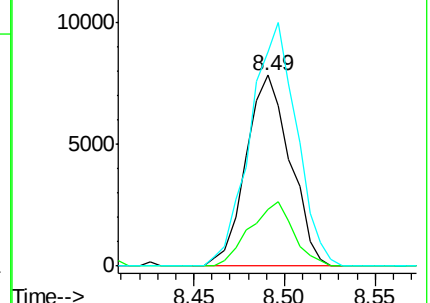
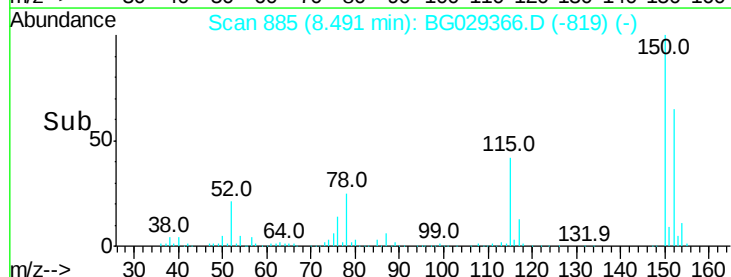
77 112.6 46.1 69.1#

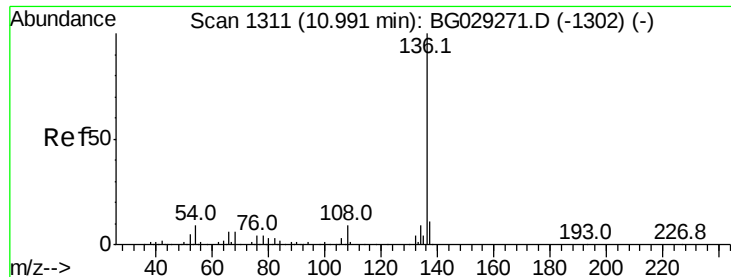


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

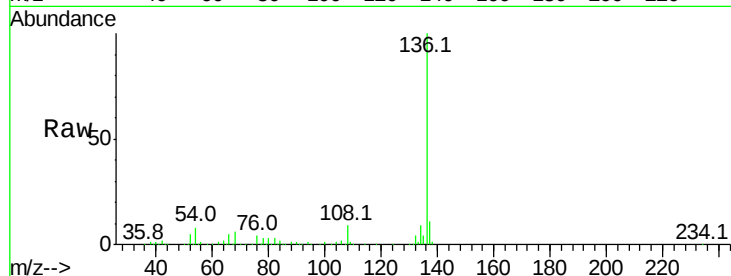




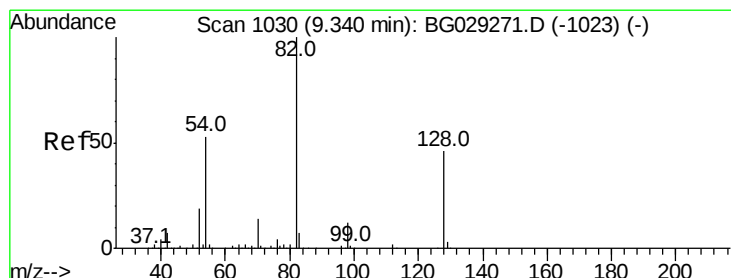
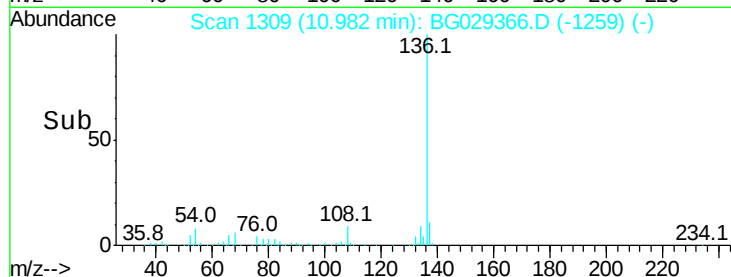
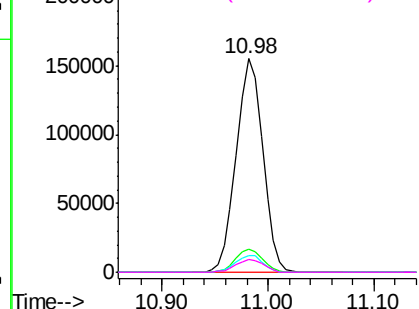
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. -0.01 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 270847 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.2   | 13.8   |
| 54       | 7.8   | 10.3  | 15.5#  |
| 68       | 6.0   | 4.5   | 6.7    |

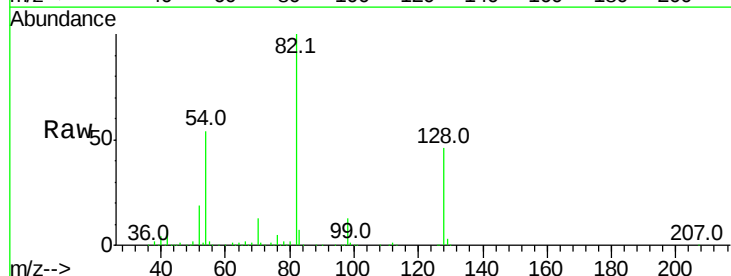


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

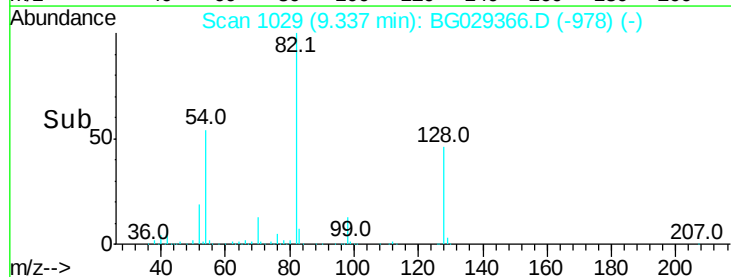
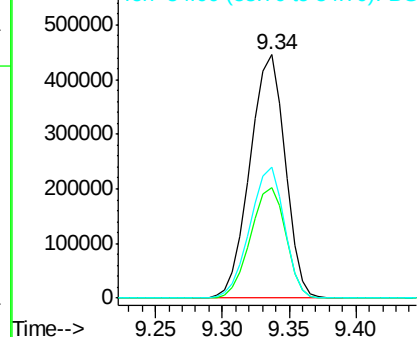


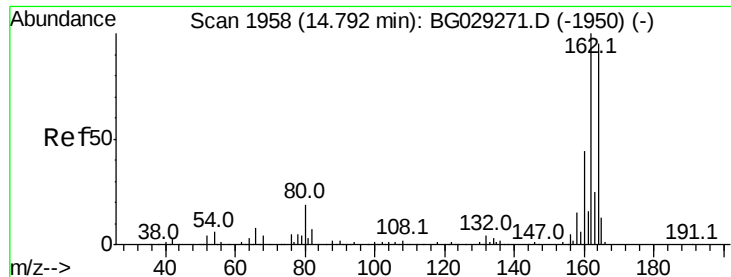
#23  
Nitrobenzene-d5  
Concen: 190.008 ng  
RT: 9.34 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 809842 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.6  | 29.7  | 44.5#  |
| 54       | 53.5  | 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

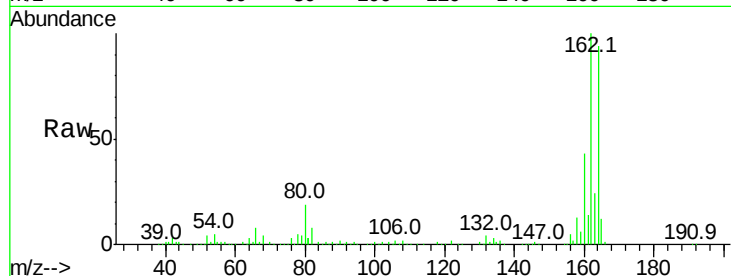




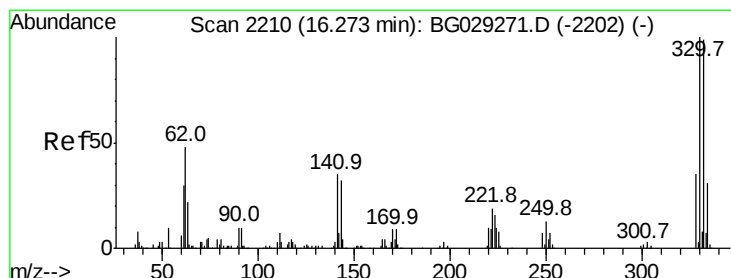
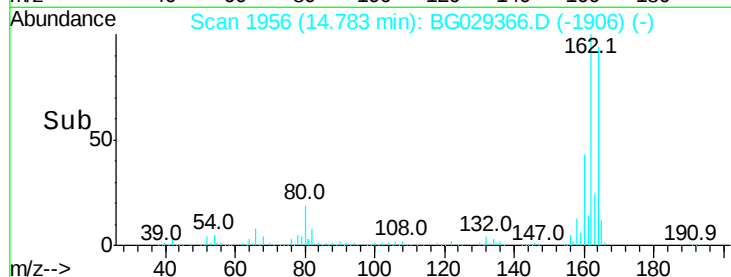
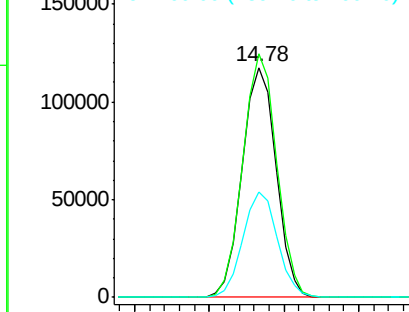
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:164 Resp: 184600  
Ion Ratio Lower Upper  
164 100  
162 106.0 78.8 118.2  
160 45.9 35.4 53.0

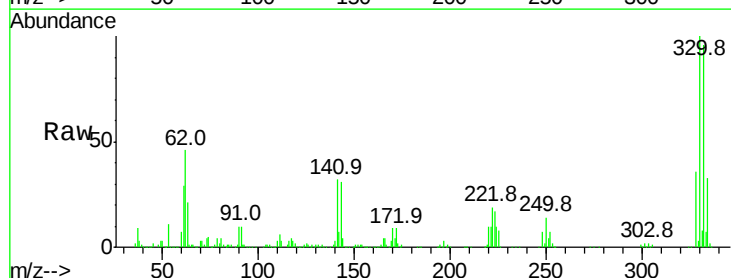


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

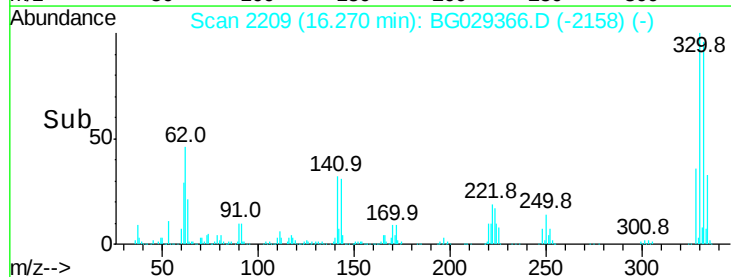
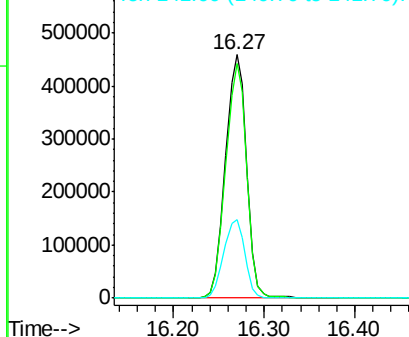


#41  
2,4,6-Tribromophenol  
Concen: 310.844 ng  
RT: 16.27 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Tgt Ion:330 Resp: 740857  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.0 115.6  
141 32.8 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



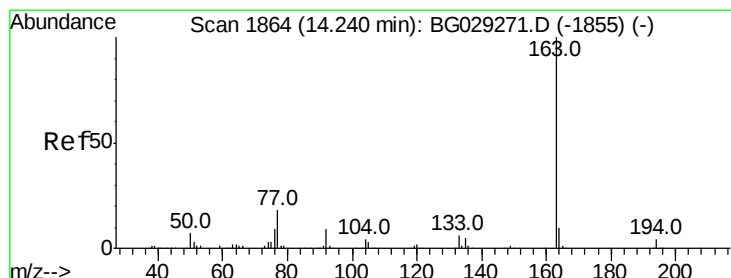
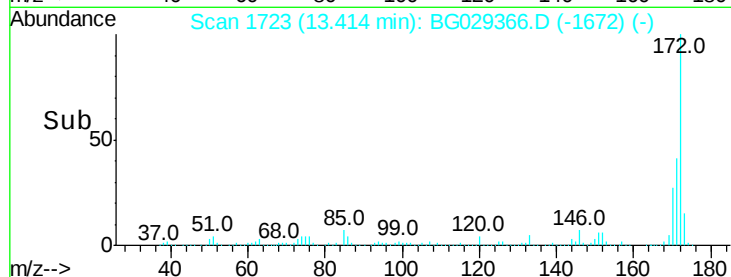
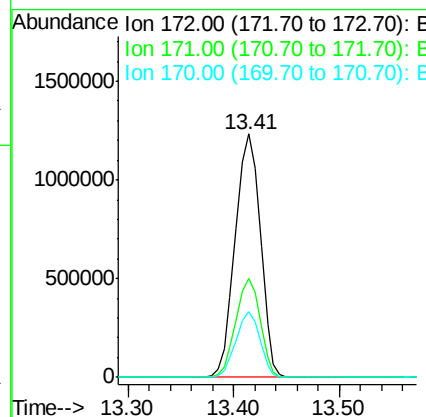
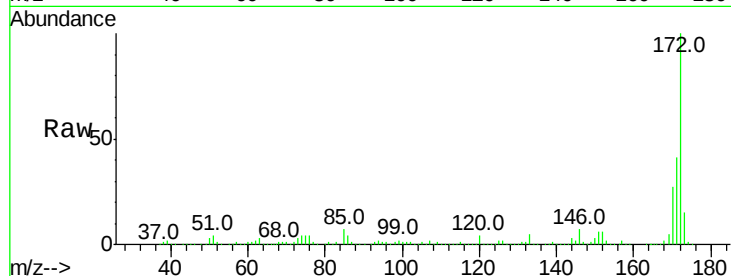


#44  
 2-Fluorobiphenyl  
 Concen: 161.069 ng  
 RT: 13.41 min Scan# 1723  
 Delta R.T. -0.00 min  
 Lab File: BG029366.D  
 Acq: 19 Oct 2017 15:15

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:172 Resp: 2027291  

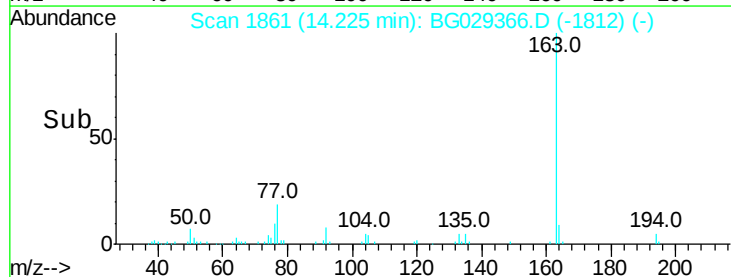
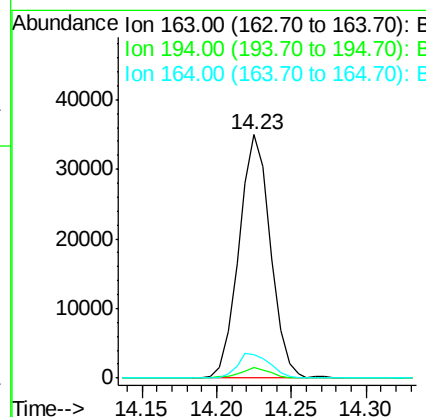
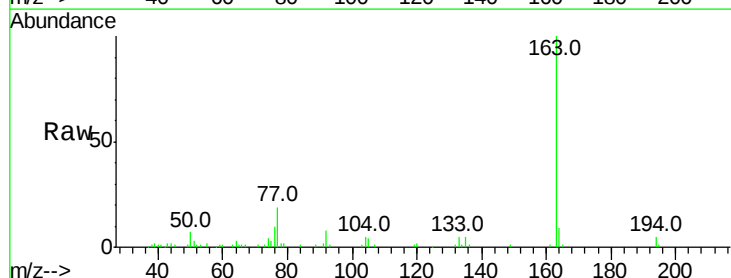
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 40.8  | 30.0  | 45.0  |
| 170 | 27.1  | 19.5  | 29.3  |

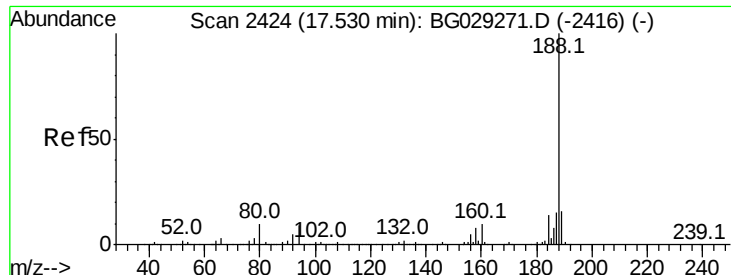


#49  
 Dimethylphthalate  
 Concen: 3.553 ng  
 RT: 14.23 min Scan# 1861  
 Delta R.T. -0.01 min  
 Lab File: BG029366.D  
 Acq: 19 Oct 2017 15:15

Tgt Ion:163 Resp: 51169  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.5   | 3.4   | 5.2   |
| 164 | 9.4   | 8.2   | 12.4  |

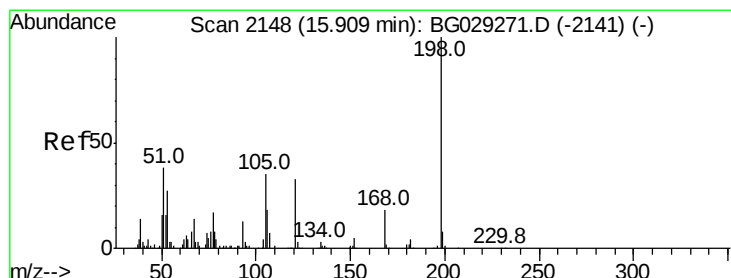
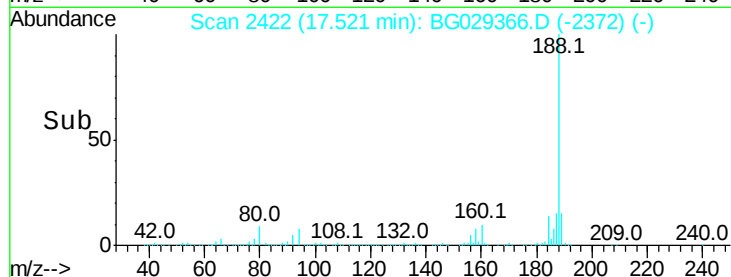
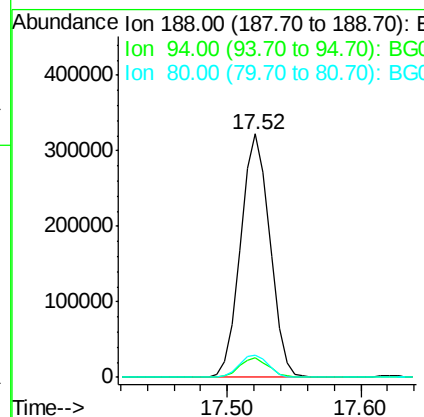
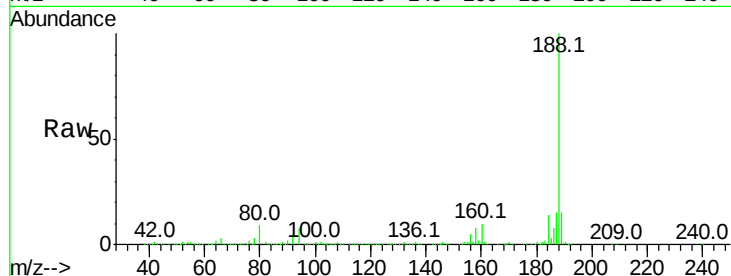




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2422  
 Delta R.T. -0.01 min  
 Lab File: BG029366.D  
 Acq: 19 Oct 2017 15:15

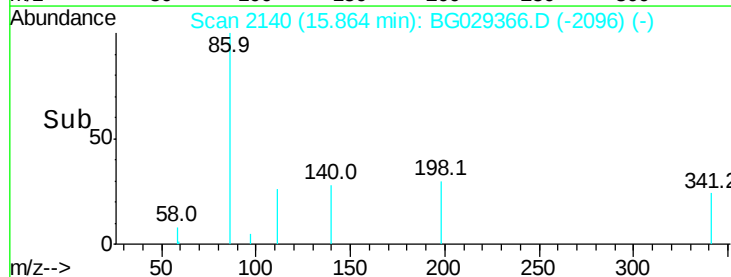
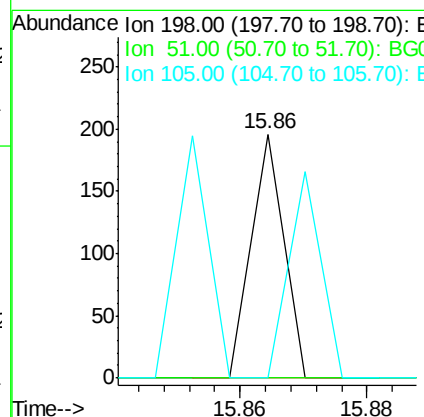
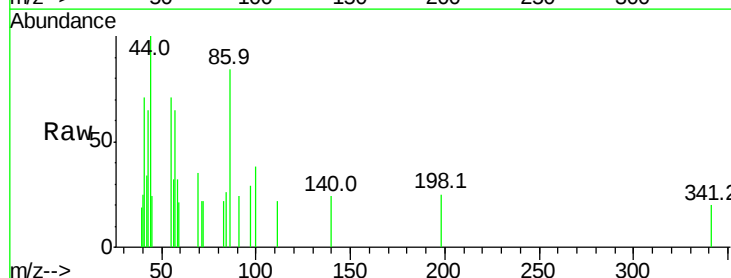
Instrument :  
 BNA\_G  
 ClientSampleId :

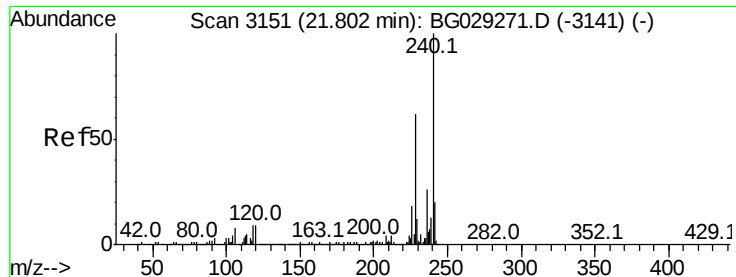
Tot Ion:188 Resp: 489120  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 6.9 10.3  
 80 9.2 7.7 11.5



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.022 ng  
 RT: 15.86 min Scan# 2140  
 Delta R.T. -0.04 min  
 Lab File: BG029366.D  
 Acq: 19 Oct 2017 15:15

Tgt Ion:198 Resp: 69  
 Ion Ratio Lower Upper  
 198 100  
 51 0.0 30.6 70.6#  
 105 0.0 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG029366.D

Acq: 19 Oct 2017 15:15

Instrument :

BNA\_G

ClientSampleId :

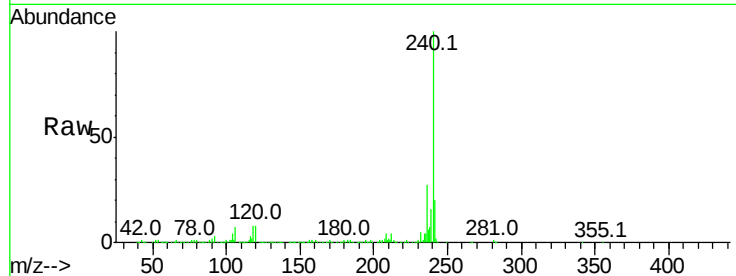
Tot Ion:240 Resp: 546058

Ion Ratio Lower Upper

240 100

120 8.5 6.8 10.2

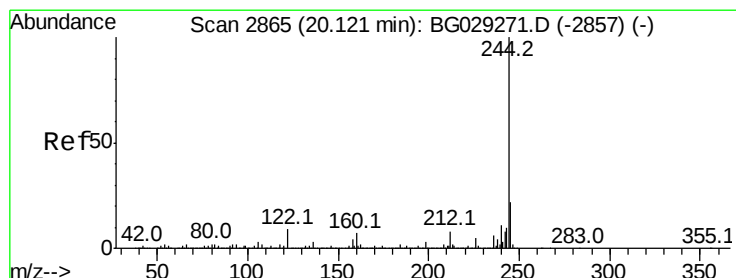
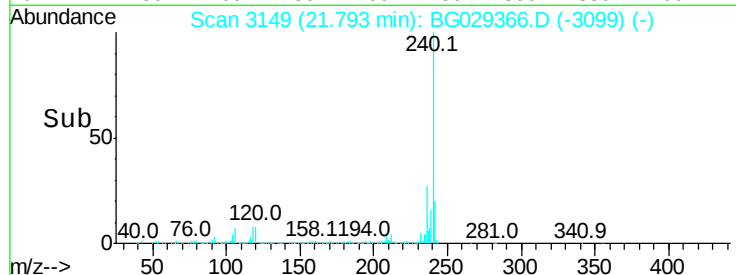
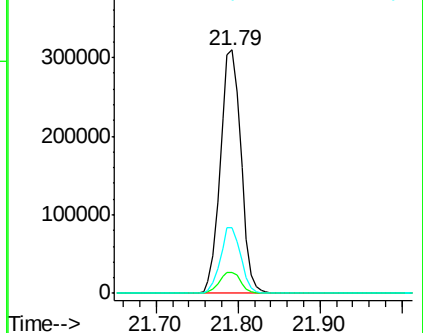
236 27.0 20.9 31.3



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: 136.410 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG029366.D

Acq: 19 Oct 2017 15:15

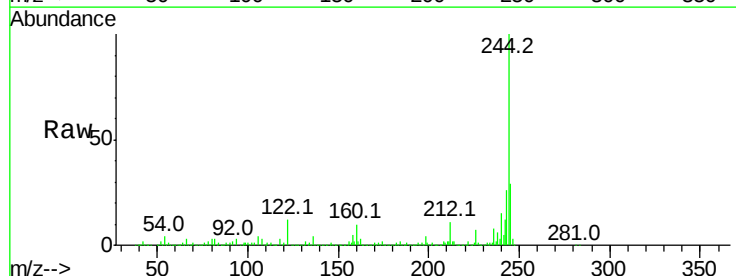
Tgt Ion:244 Resp: 3274298

Ion Ratio Lower Upper

244 100

212 10.8 5.8 8.8#

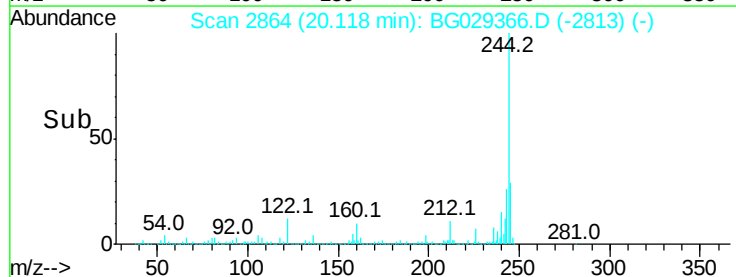
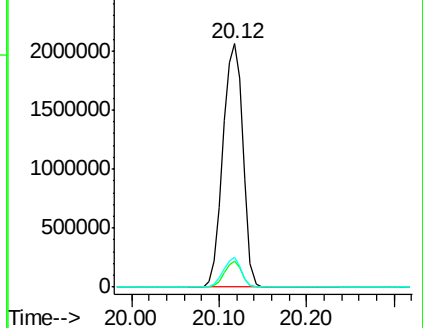
122 12.1 7.0 10.4#

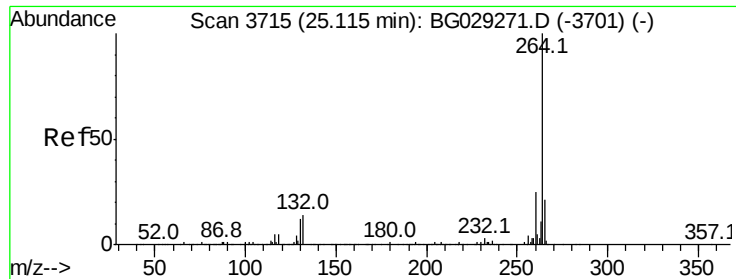


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



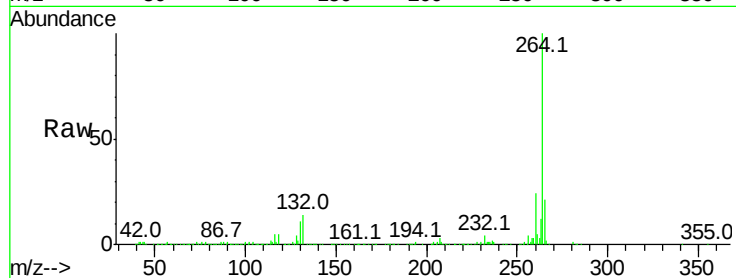


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.09 min Scan# 3711  
Delta R.T. -0.02 min  
Lab File: BG029366.D  
Acq: 19 Oct 2017 15:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 264 Resp: 558139  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.4  | 26.0  |
| 265 | 20.7  | 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

