

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\  
 Data File : BG031500.D  
 Acq On : 12 Dec 2017 20:10  
 Operator : SJ/JU  
 Sample : I6824-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-1

Quant Time: Dec 13 05:55:33 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

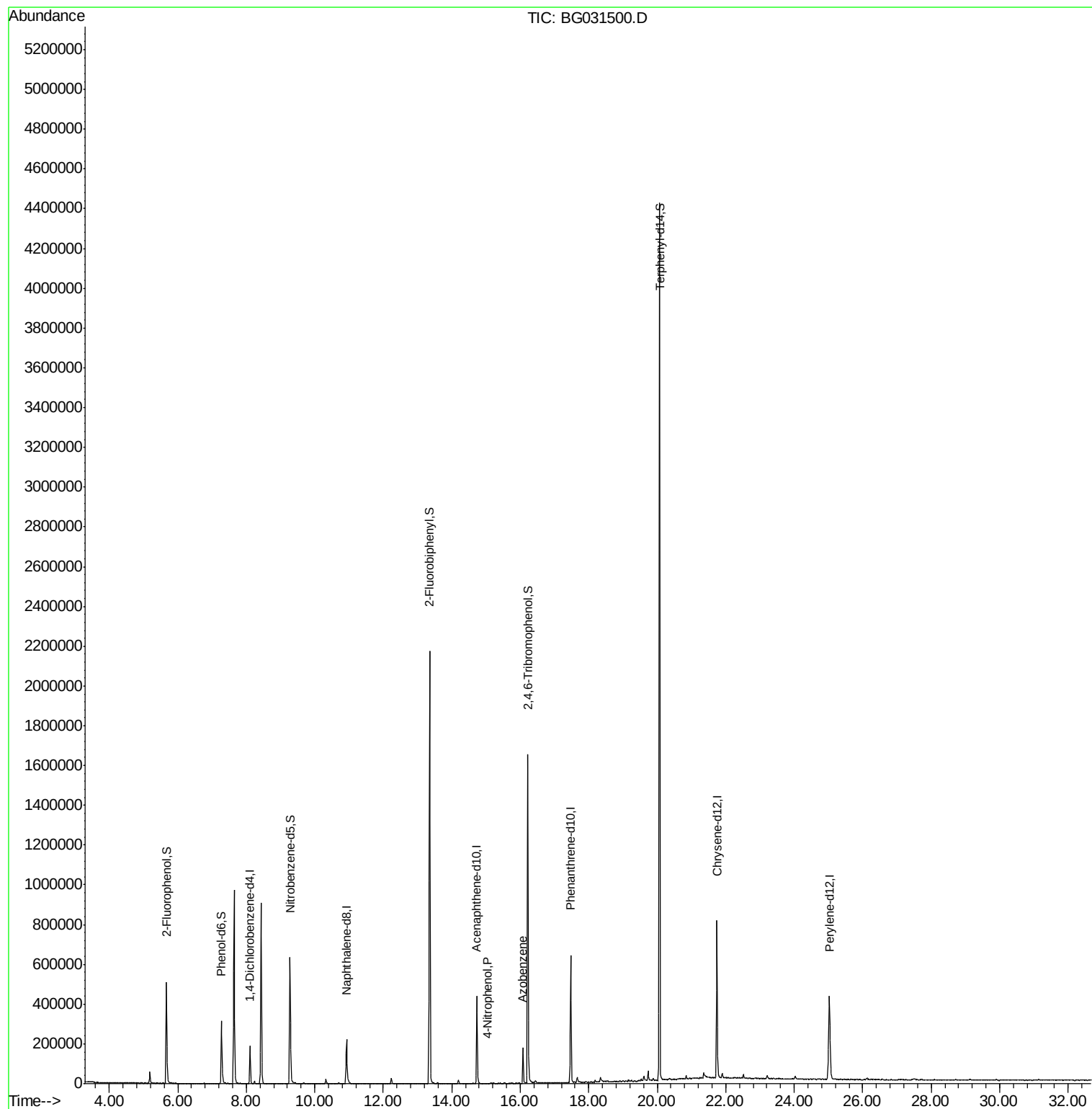
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 60094    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.93 | 136  | 258481   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.73 | 164  | 167655   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.47 | 188  | 425524   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 21.74 | 240  | 506107   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12            | 25.03 | 264  | 490372   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.67  | 112  | 264951   | 78.15  | ng    | 0.00        |
| 7) Phenol-d6                | 7.28  | 99   | 215328   | 45.75  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 434228   | 103.54 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 337616   | 171.89 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 1233034  | 107.96 | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.07 | 244  | 2179916  | 98.00  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 55) 4-Nitrophenol           | 15.03 | 139  | 57       | 3.569  | ng    | Qvalue # 27 |
| 62) Azobenzene              | 16.08 | 77   | 51921    | 4.505  | ng    | # 1         |

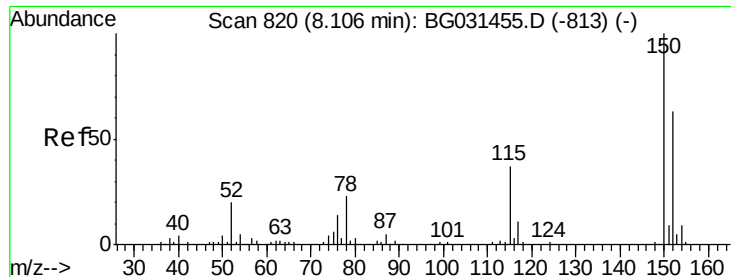
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration



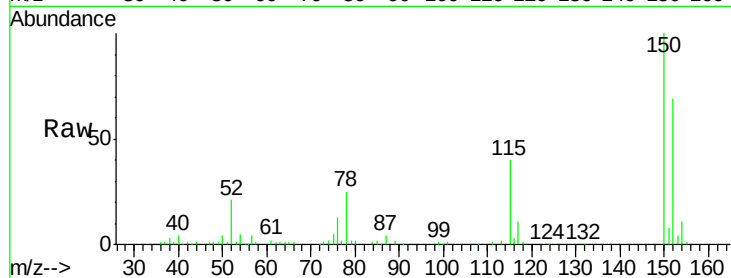


#1

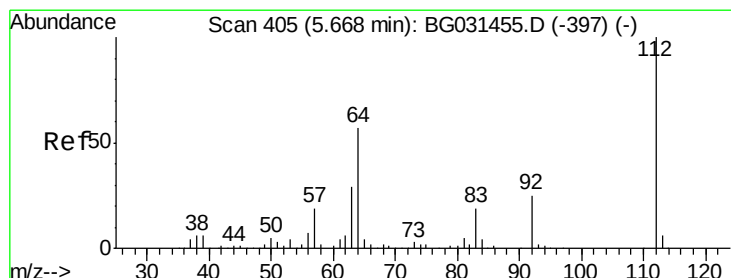
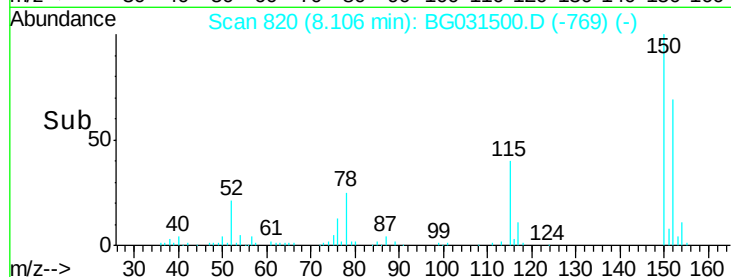
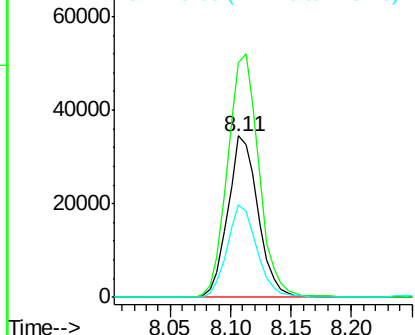
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. 0.00 min  
Lab File: BG031500.D  
Acq: 12 Dec 2017 20:10

Instrument :  
BNA\_G  
ClientSampleId :  
TW-1

Tot Ion:152 Resp: 60094  
Ion Ratio Lower Upper  
152 100  
150 145.4 126.6 189.8  
115 57.7 53.0 79.4



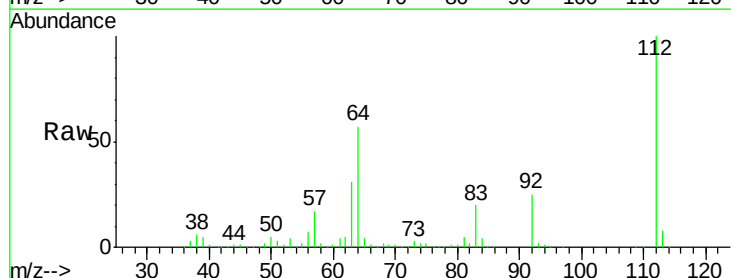
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



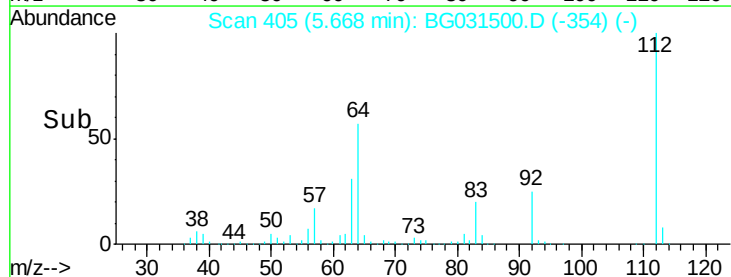
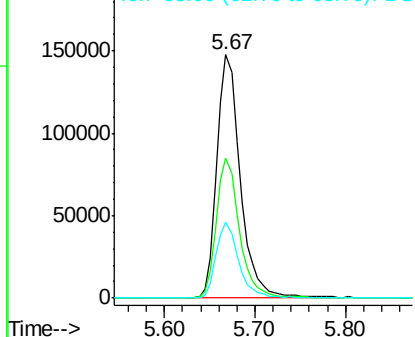
#5

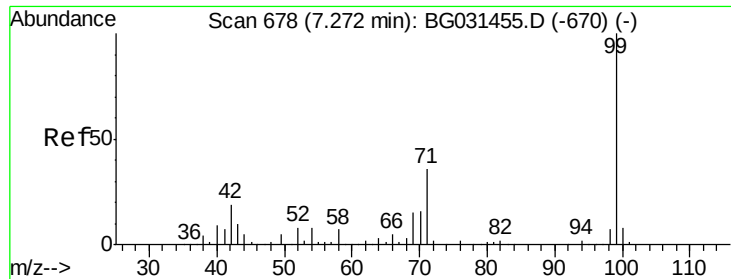
2-Fluorophenol  
Concen: 78.149 ng  
RT: 5.67 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: BG031500.D  
Acq: 12 Dec 2017 20:10

Tgt Ion:112 Resp: 264951  
Ion Ratio Lower Upper  
112 100  
64 57.3 56.3 84.5  
63 31.3 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: 45.751 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

Instrument :

BNA\_G

ClientSampled :

TW-1

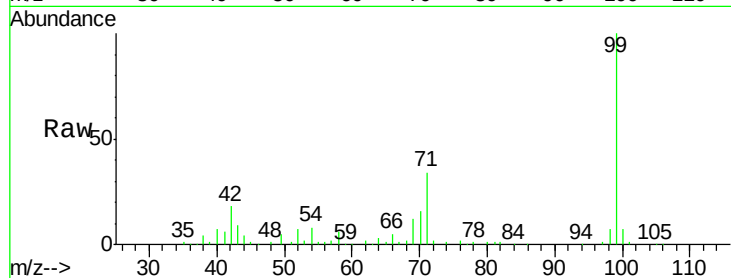
Tot Ion: 99 Resp: 215328

Ion Ratio Lower Upper

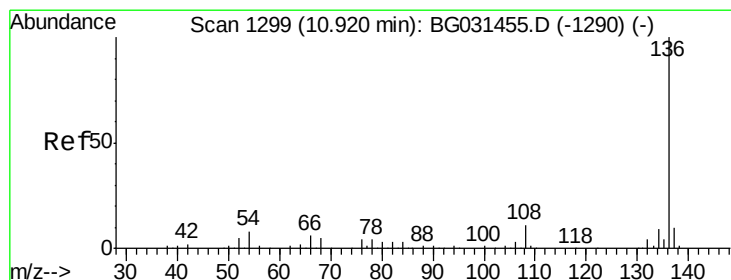
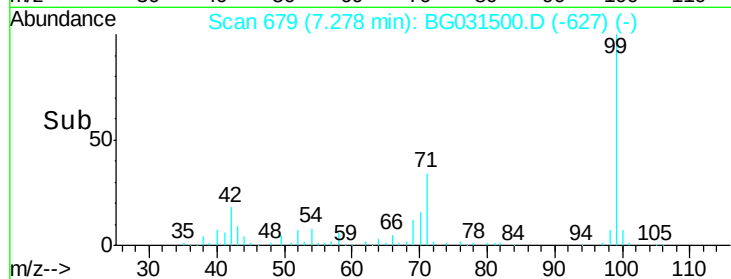
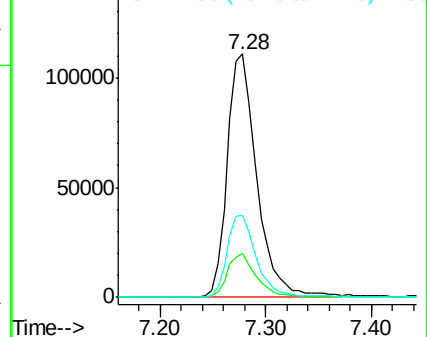
99 100

42 17.9 14.1 21.1

71 34.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

Tgt Ion: 136 Resp: 258481

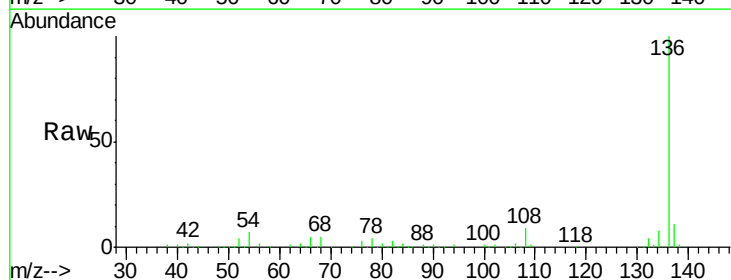
Ion Ratio Lower Upper

136 100

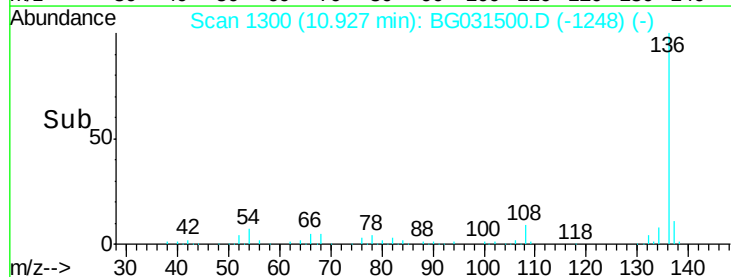
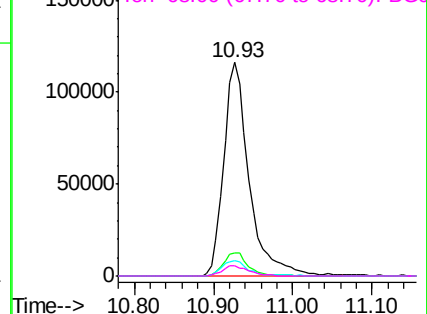
137 11.0 9.2 13.8

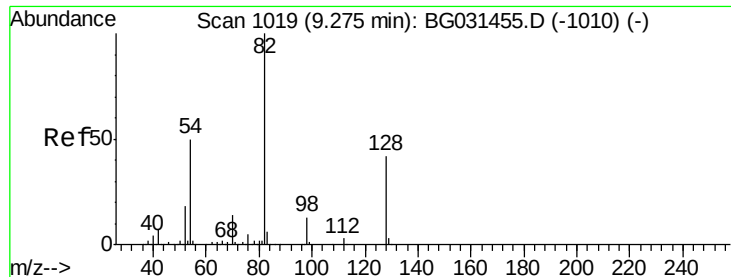
54 7.4 10.3 15.5#

68 4.8 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

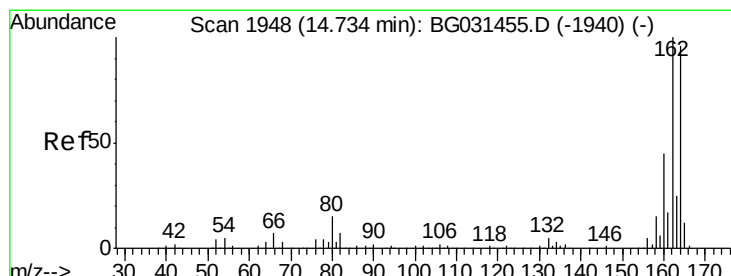
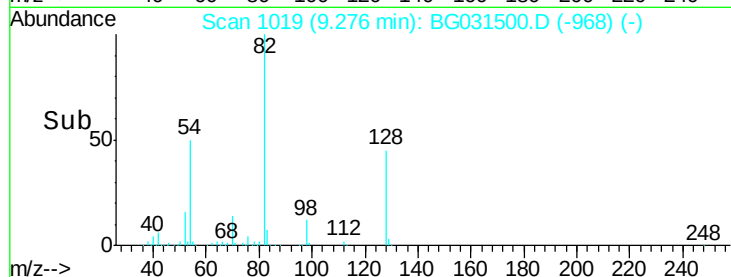
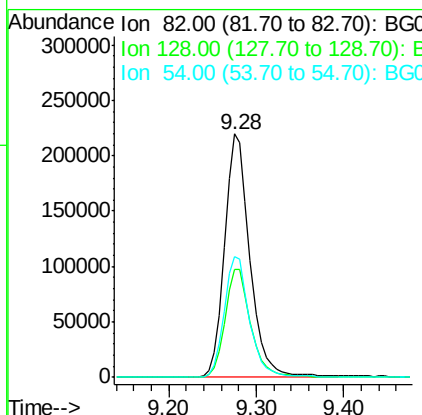
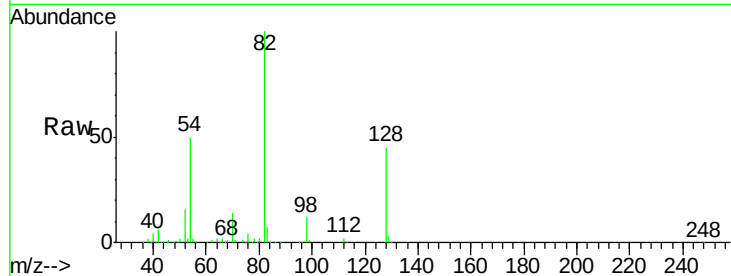




#23  
 Nitrobenzene-d5  
 Concen: 103.545 ng  
 RT: 9.28 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: BG031500.D  
 Acq: 12 Dec 2017 20:10

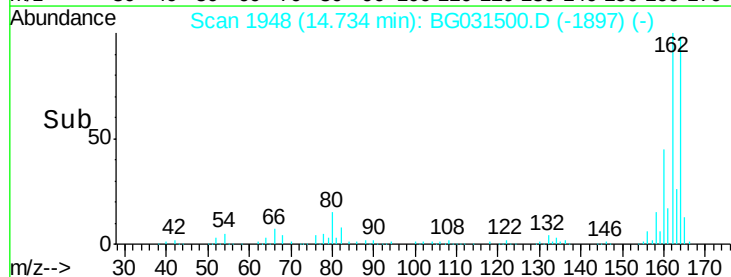
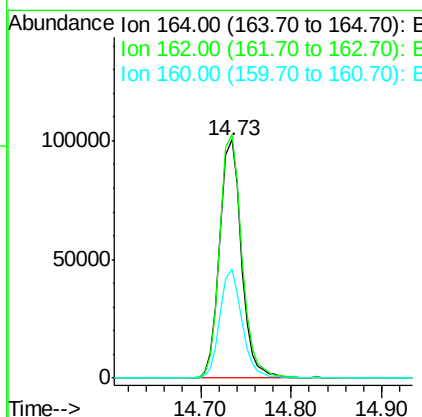
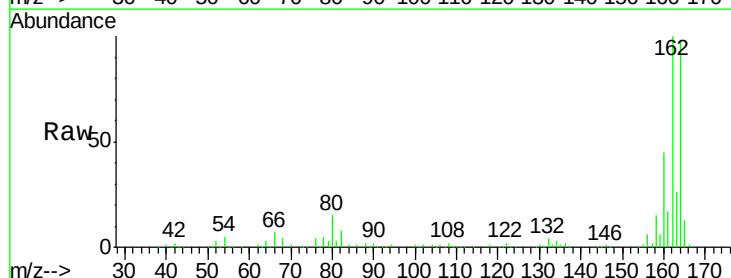
Instrument :  
 BNA\_G  
 ClientSampled :  
 TW-1

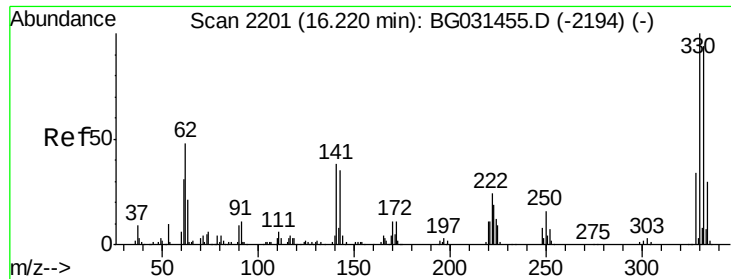
| Tot Ion   | 82    | Resp  | 434228 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.5  | 29.7  | 44.5   |
| 54        | 49.7  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. 0.00 min  
 Lab File: BG031500.D  
 Acq: 12 Dec 2017 20:10

| Tgt Ion   | 164   | Resp  | 167655 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.3 | 78.8  | 118.2  |
| 160       | 46.0  | 35.4  | 53.0   |

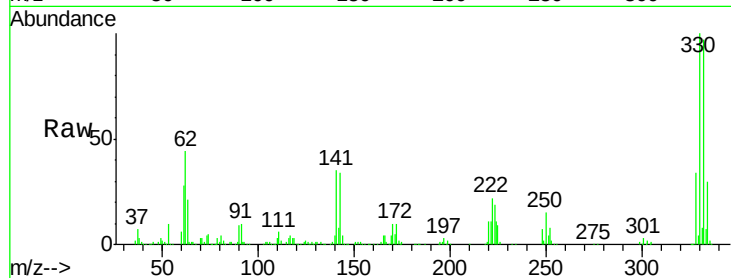




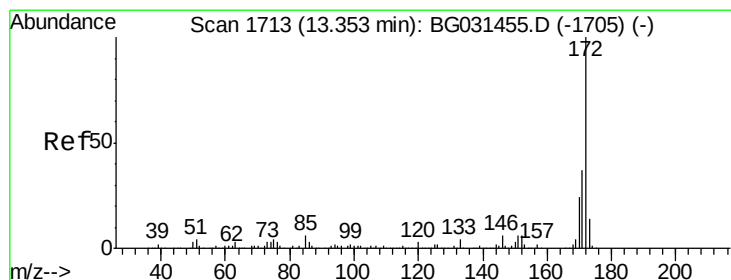
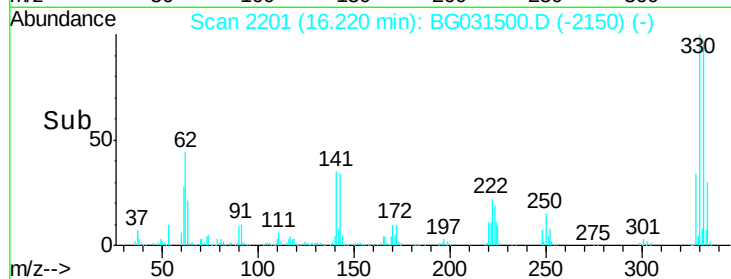
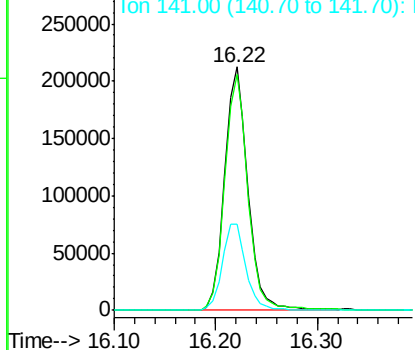
#41  
 2,4,6-Tribromophenol  
 Concen: 171.889 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. 0.00 min  
 Lab File: BG031500.D  
 Acq: 12 Dec 2017 20:10

Instrument :  
 BNA\_G  
 ClientSampled :  
 TW-1

Tot Ion:330 Resp: 337616  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.0 115.6  
 141 36.5 25.2 37.8

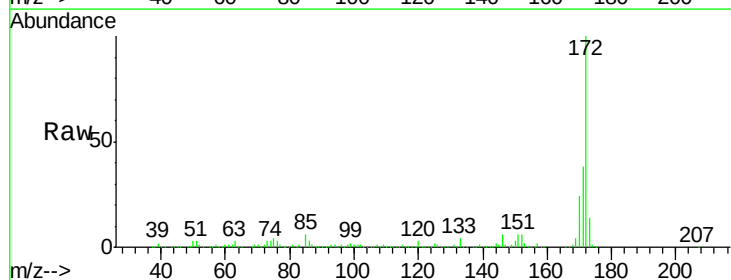


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

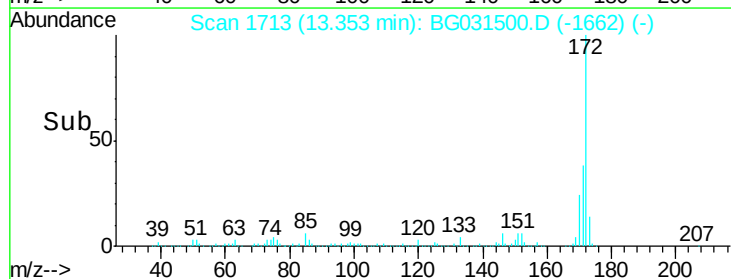
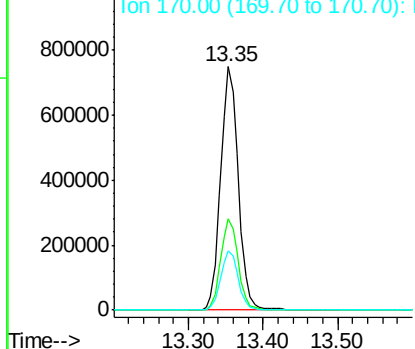


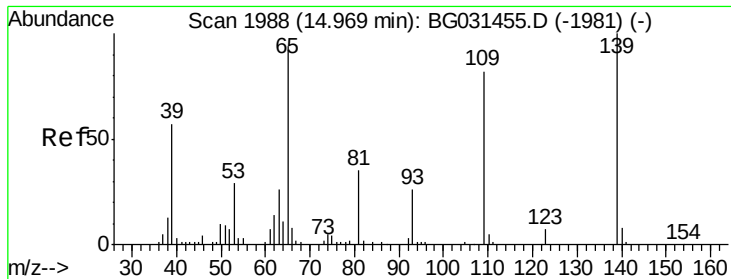
#44  
 2-Fluorobiphenyl  
 Concen: 107.956 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. 0.00 min  
 Lab File: BG031500.D  
 Acq: 12 Dec 2017 20:10

Tgt Ion:172 Resp: 1233034  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 30.0 45.0  
 170 24.4 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

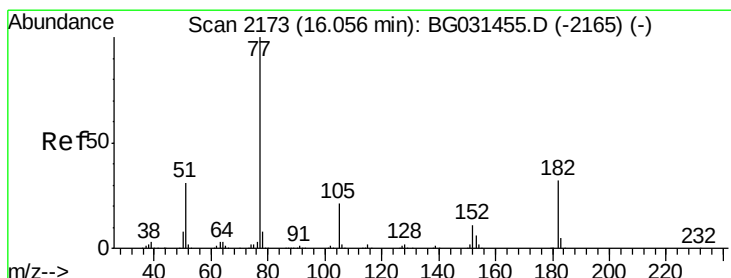
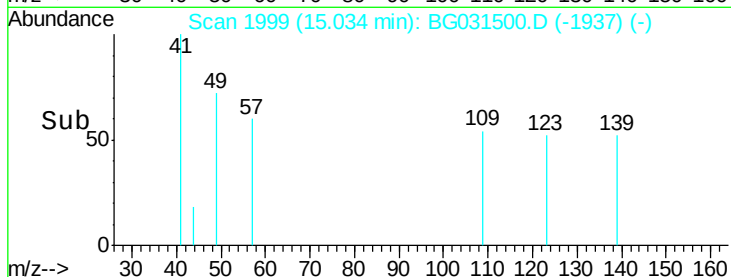
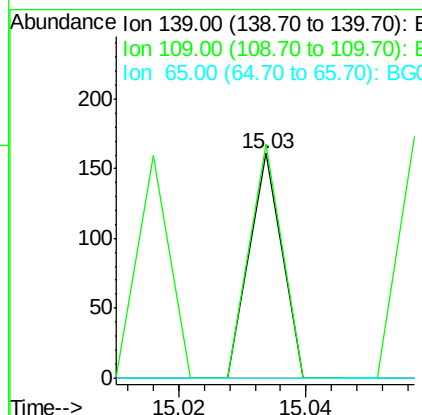
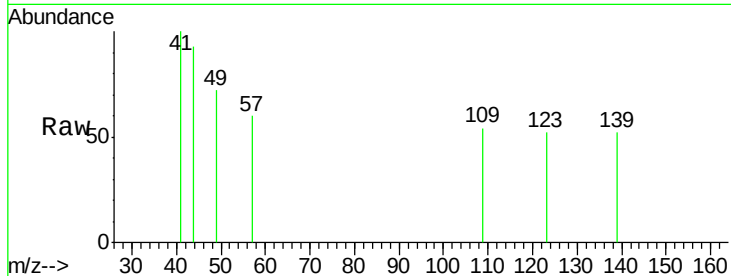




#55  
4-Nitrophenol  
Concen: 3.569 ng  
RT: 15.03 min Scan# 1999  
Delta R.T. 0.07 min  
Lab File: BG031500.D  
Acq: 12 Dec 2017 20:10

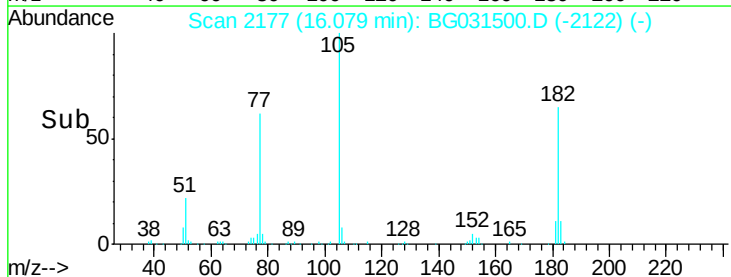
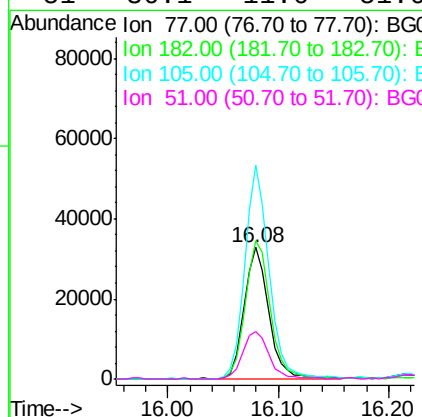
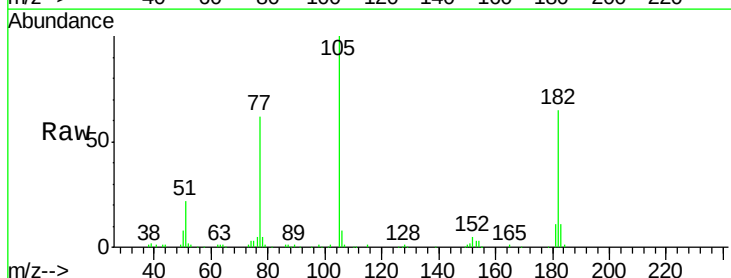
Instrument :  
BNA\_G  
ClientSampled :  
TW-1

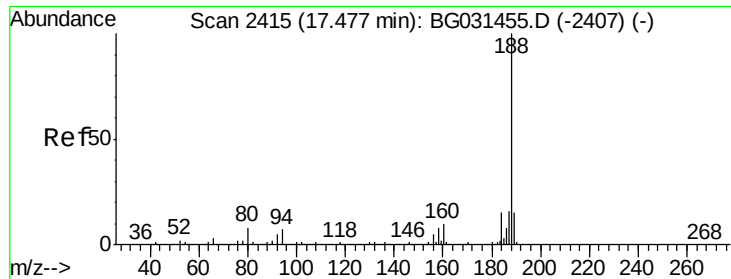
Tot Ion:139 Resp: 57  
Ion Ratio Lower Upper  
139 100  
109 104.3 62.2 102.2#  
65 0.0 97.2 137.2#



#62  
Azobenzene  
Concen: 4.505 ng  
RT: 16.08 min Scan# 2177  
Delta R.T. 0.02 min  
Lab File: BG031500.D  
Acq: 12 Dec 2017 20:10

Tgt Ion: 77 Resp: 51921  
Ion Ratio Lower Upper  
77 100  
182 104.6 7.4 47.4#  
105 162.1 0.3 40.3#  
51 36.1 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

Instrument :

BNA\_G

ClientSampleId :

TW-1

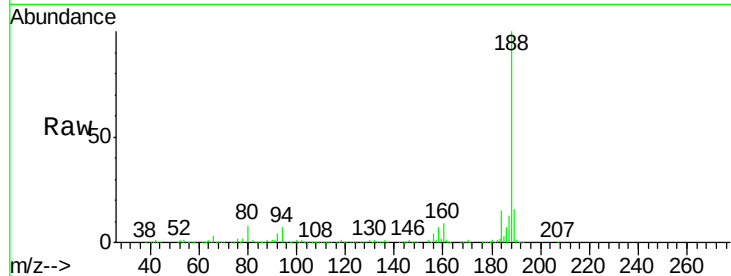
Tot Ion:188 Resp: 425524

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

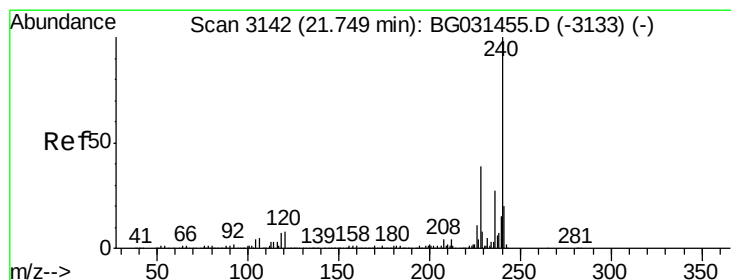
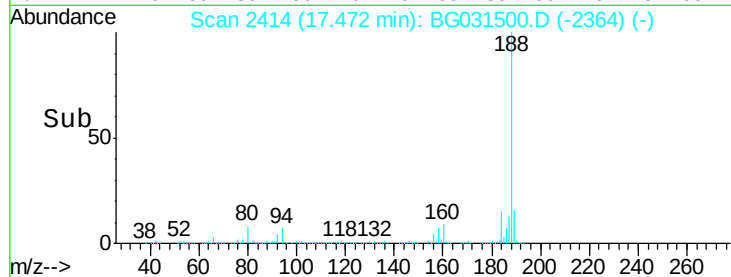
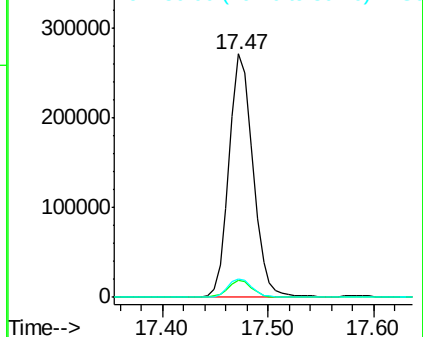
80 7.6 7.7 11.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

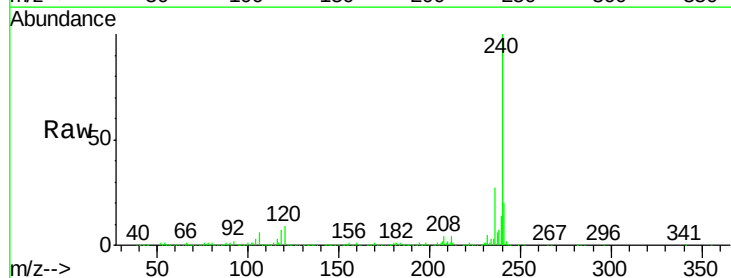
Tgt Ion:240 Resp: 506107

Ion Ratio Lower Upper

240 100

120 8.5 6.8 10.2

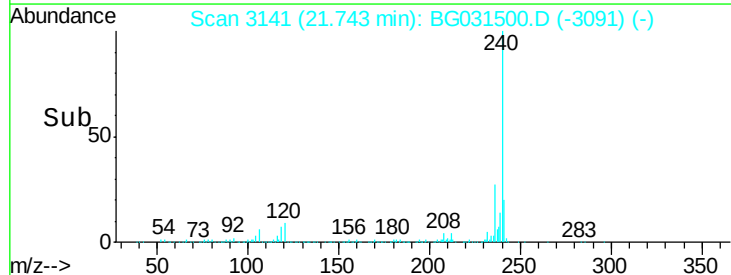
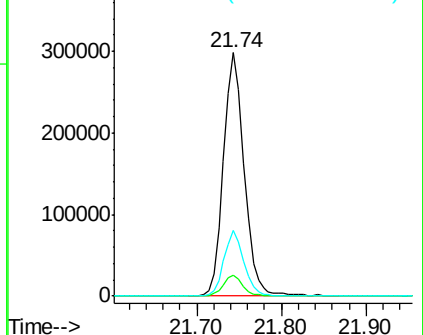
236 27.0 20.9 31.3



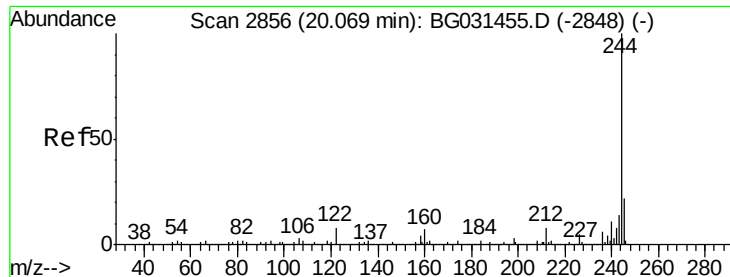
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 97.996 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

Instrument :

BNA\_G

ClientSampleId :

TW-1

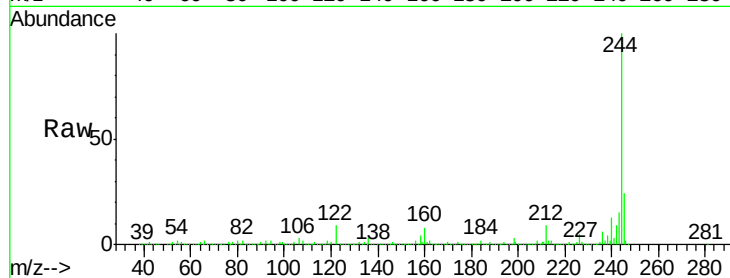
Tot Ion:244 Resp: 2179916

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

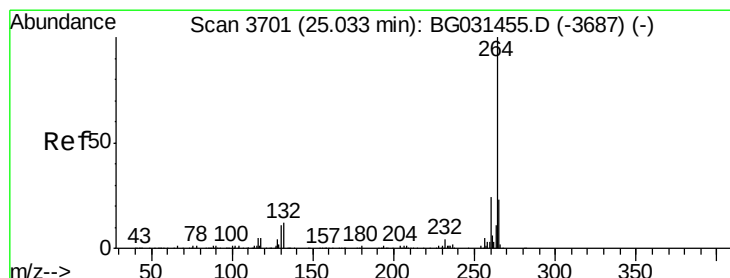
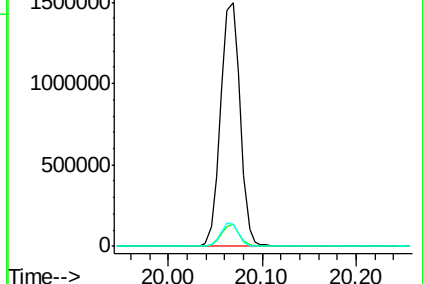
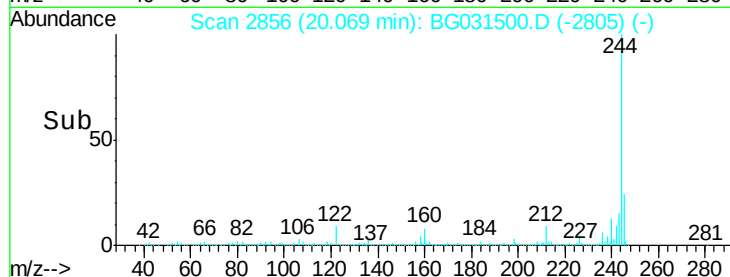
122 8.9 7.0 10.4



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: 25.03 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG031500.D

Acq: 12 Dec 2017 20:10

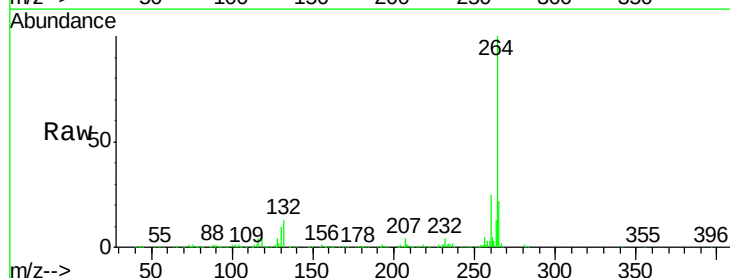
Tgt Ion:264 Resp: 490372

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 22.4 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

