

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG072916\  
 Data File : BG023334.D  
 Acq On : 29 Jul 2016 10:24  
 Operator : UM/SJ  
 Sample : H4213-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 L-8

Quant Time: Jul 29 13:30:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG072616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:30:33 2016  
 Response via : Initial Calibration

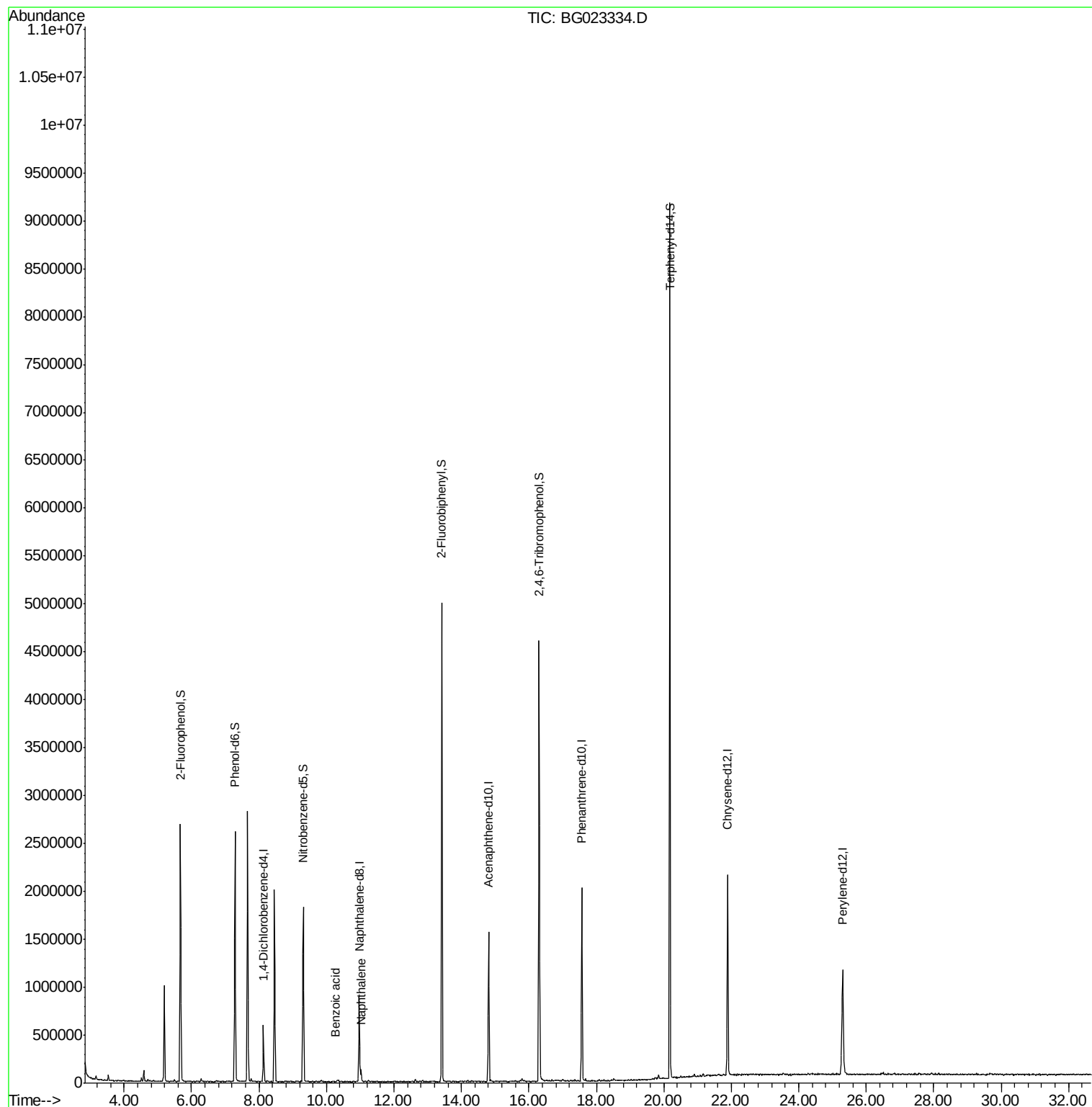
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 159282   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.97 | 136  | 727723   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.81 | 164  | 513635   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.57 | 188  | 1221266  | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 21.89 | 240  | 1229496  | 20.00  | ng    | 0.00        |
| 86) Perylene-d12            | 25.30 | 264  | 1235982  | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.67  | 112  | 1130715  | 121.19 | ng    | 0.00        |
| 7) Phenol-d6                | 7.29  | 99   | 1620882  | 113.15 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 1194806  | 80.29  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 809970   | 152.36 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2459298  | 89.61  | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.18 | 244  | 3181850  | 84.13  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 31) Naphthalene             | 11.03 | 128  | 109578   | 3.24   | ng    | Qvalue # 95 |
| 32) Benzoic acid            | 10.26 | 122  | 152      | 8.12   | ng    | # 1         |

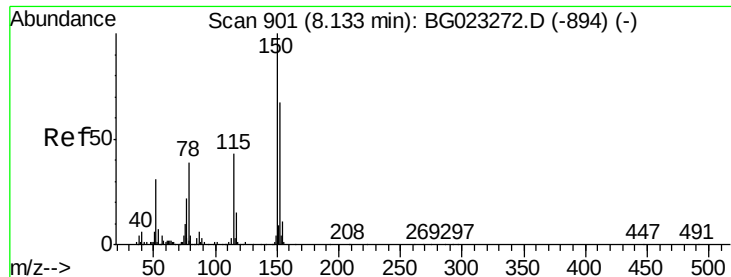
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 901

Delta R.T. -0.01 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampleId :

L-8

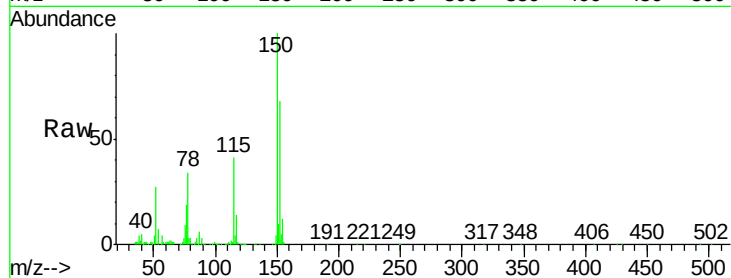
Tgt Ion:152 Resp: 159282

Ion Ratio Lower Upper

152 100

150 147.3 144.7 217.1

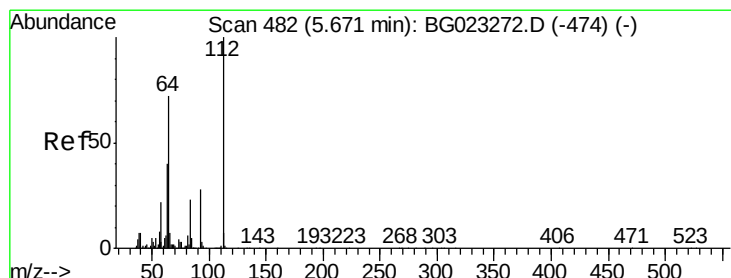
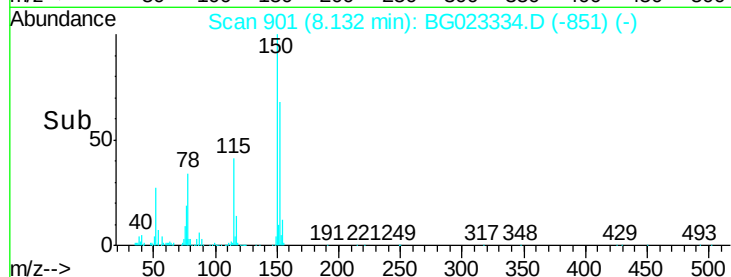
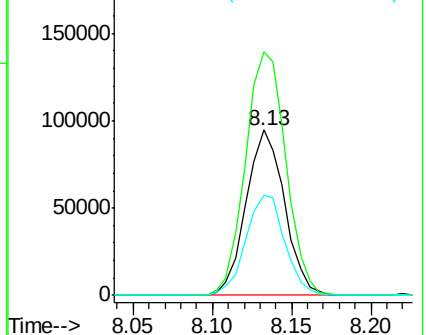
115 60.8 64.0 96.0#



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: 121.19 ng

RT: 5.67 min Scan# 482

Delta R.T. -0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

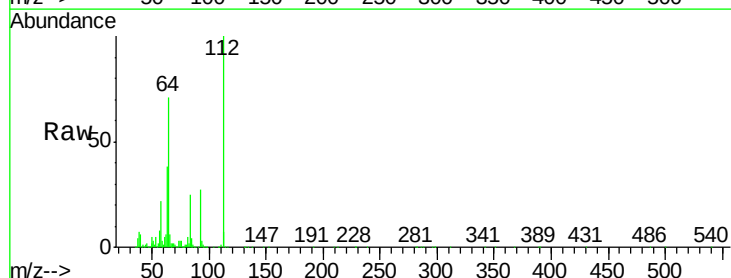
Tgt Ion:112 Resp: 1130715

Ion Ratio Lower Upper

112 100

64 71.4 59.0 88.4

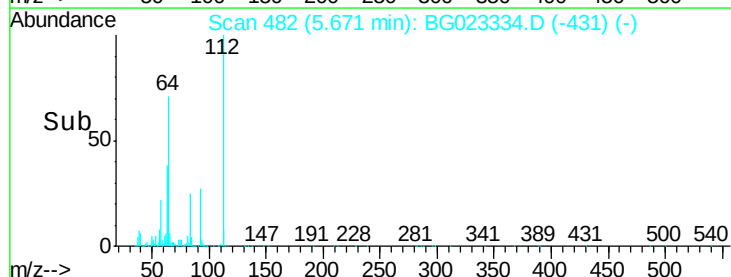
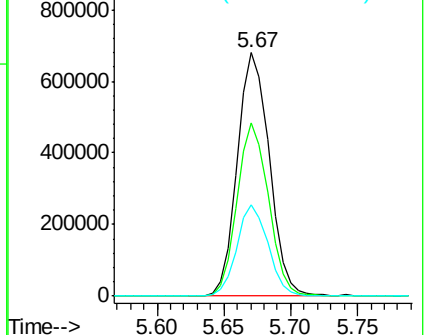
63 37.7 37.8 56.8#

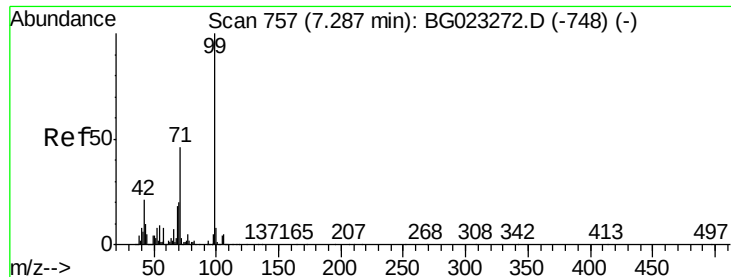


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 113.15 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampled :

L-8

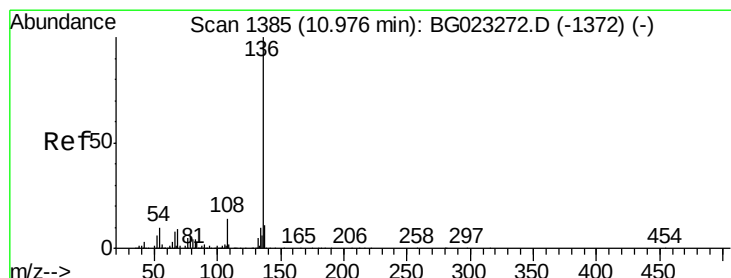
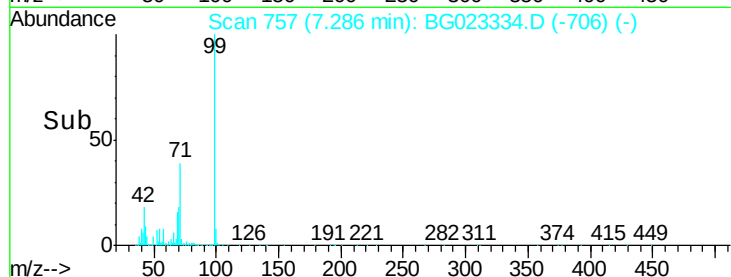
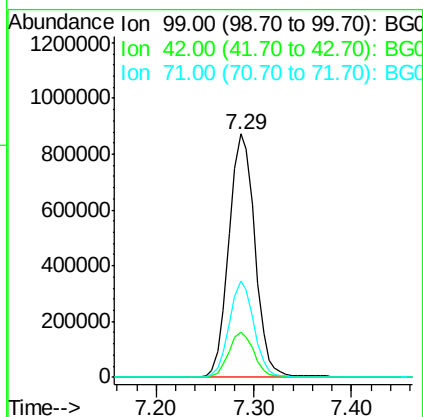
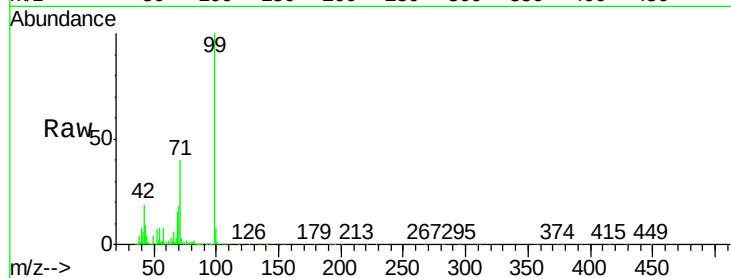
Tgt Ion: 99 Resp: 1620882

Ion Ratio Lower Upper

99 100

42 18.5 17.8 26.6

71 39.5 41.5 62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.97 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Tgt Ion: 136 Resp: 727723

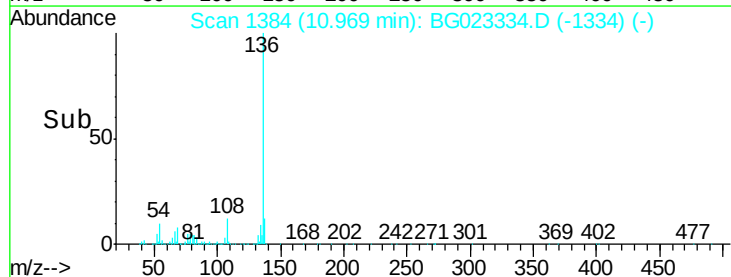
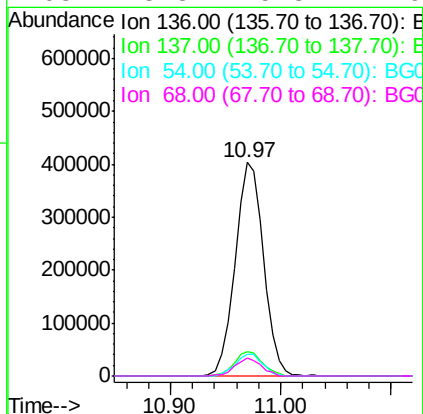
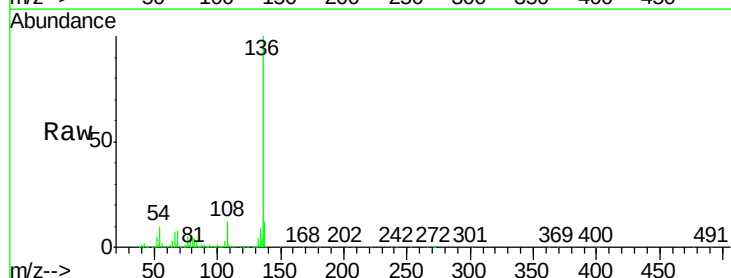
Ion Ratio Lower Upper

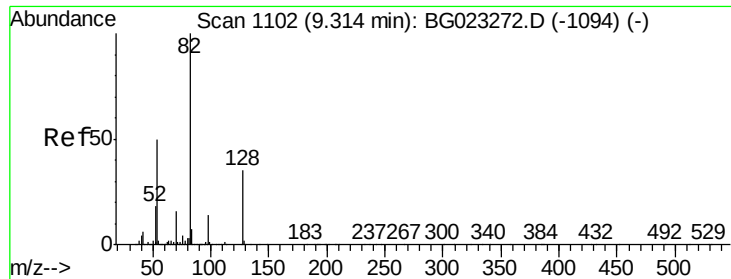
136 100

137 11.6 9.6 14.4

54 9.9 7.3 10.9

68 8.3 5.3 7.9#





#23

Nitrobenzene-d5

Concen: 80.29 ng

RT: 9.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampleId :

L-8

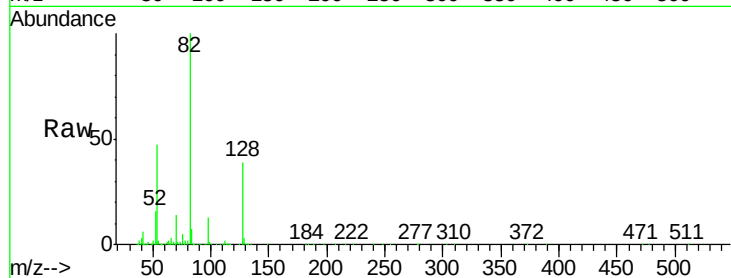
Tgt Ion: 82 Resp: 1194806

Ion Ratio Lower Upper

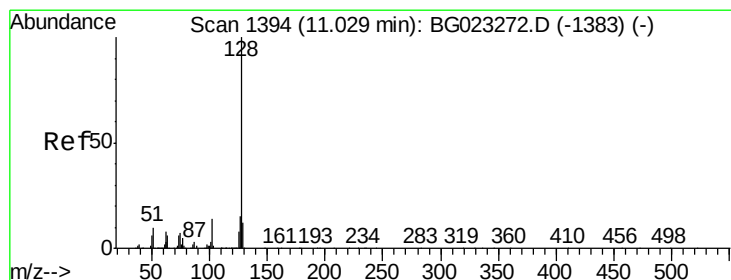
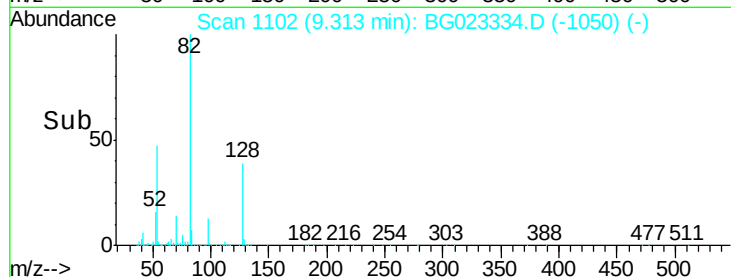
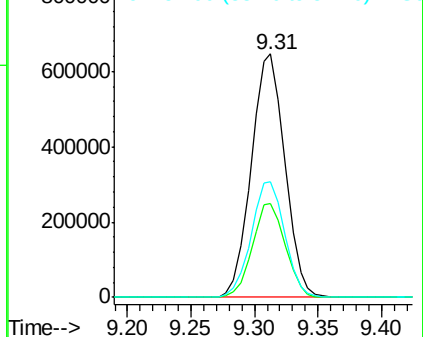
82 100

128 38.6 24.4 36.6#

54 47.5 41.4 62.0



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



#31

Naphthalene

Concen: 3.24 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

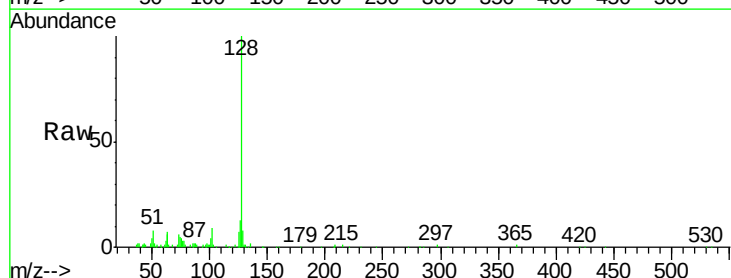
Tgt Ion: 128 Resp: 109578

Ion Ratio Lower Upper

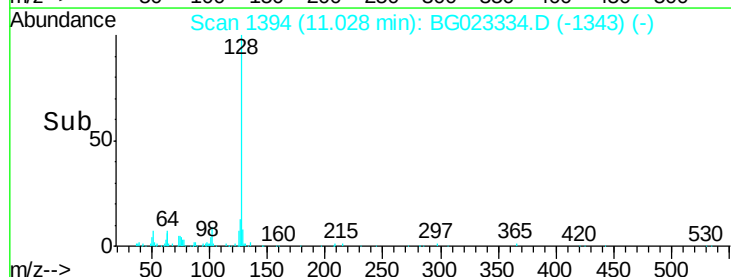
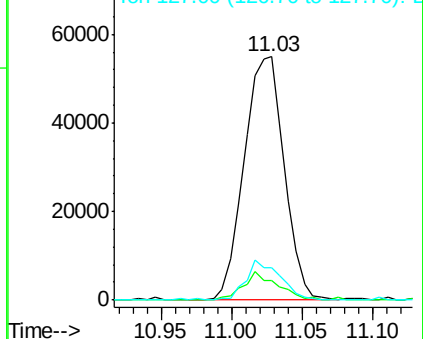
128 100

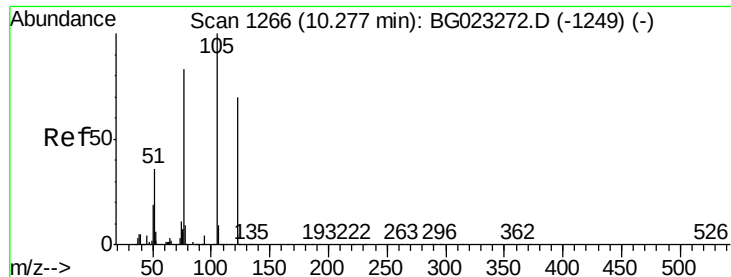
129 8.3 9.4 14.0#

127 13.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 8.12 ng

RT: 10.26 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampled :

L-8

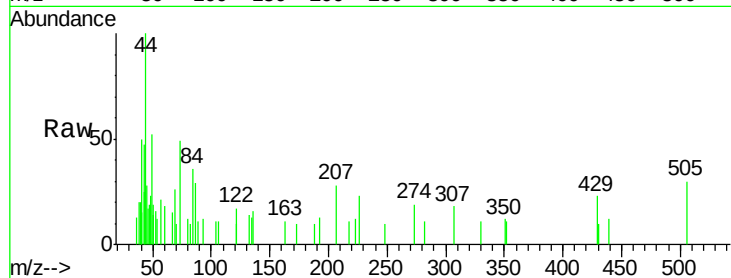
Tgt Ion:122 Resp: 152

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

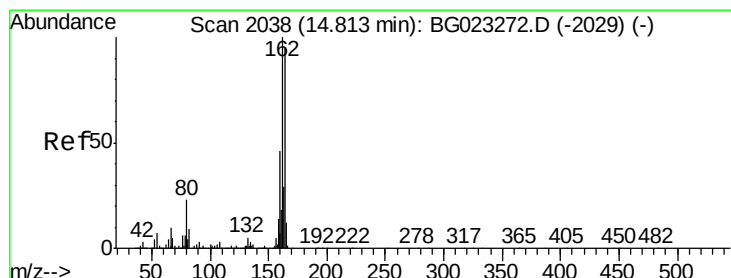
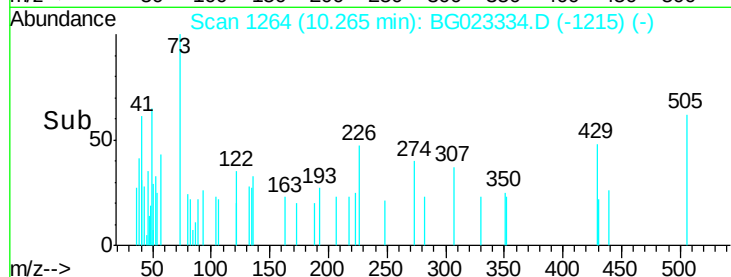
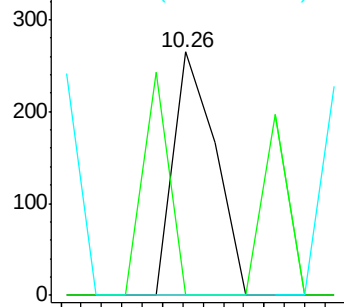
77 0.0 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

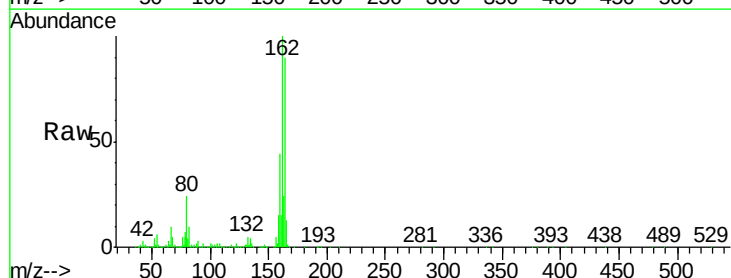
Tgt Ion:164 Resp: 513635

Ion Ratio Lower Upper

164 100

162 110.5 87.7 131.5

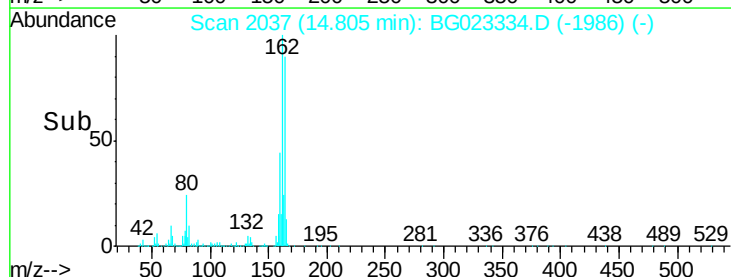
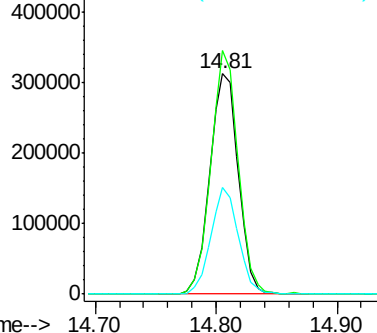
160 48.7 37.2 55.8

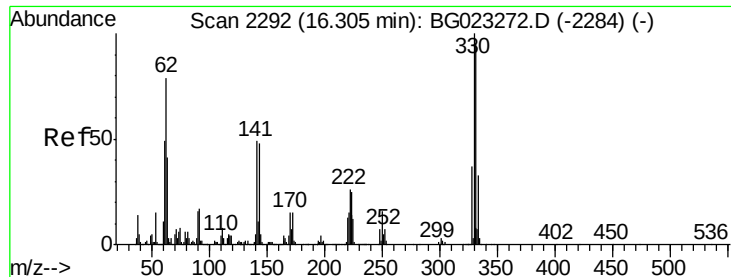


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

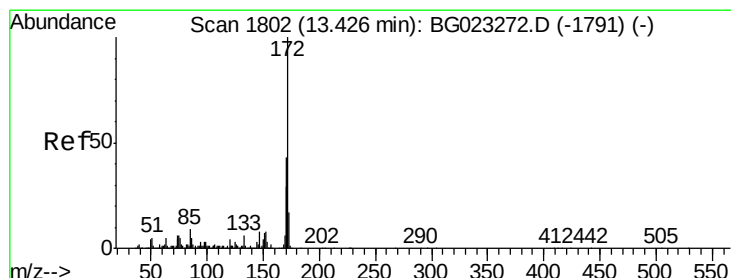
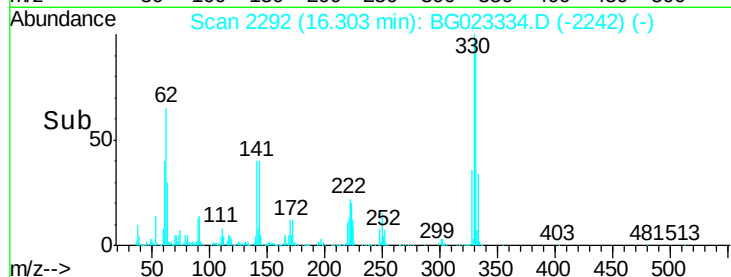
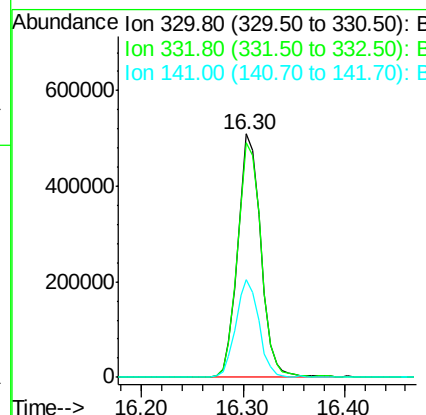
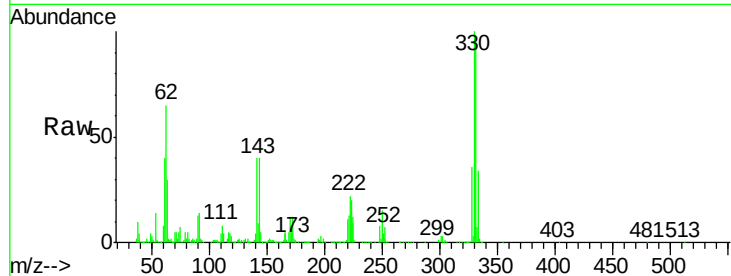




#41  
 2,4,6-Tribromophenol  
 Concen: 152.36 ng  
 RT: 16.30 min Scan# 2292  
 Delta R.T. -0.00 min  
 Lab File: BG023334.D  
 Acq: 29 Jul 2016 10:24

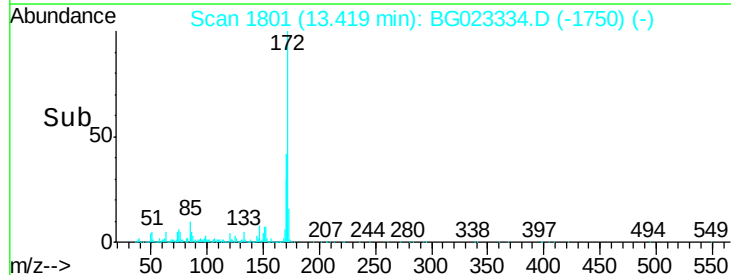
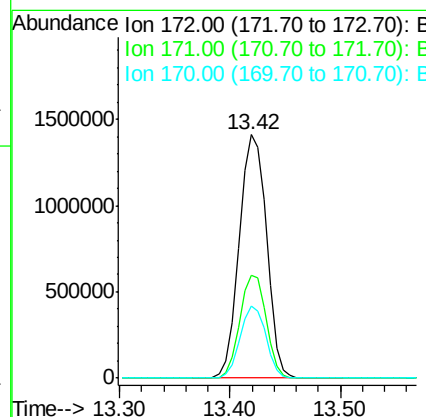
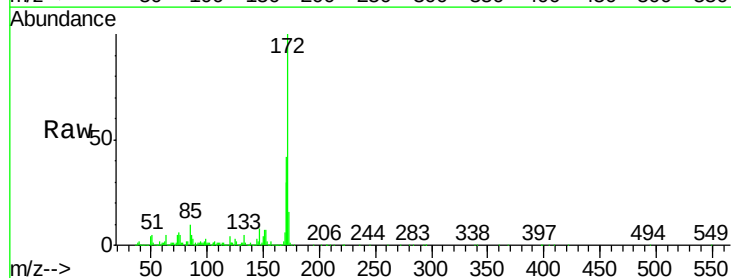
Instrument :  
 BNA\_G  
 ClientSampleId :  
 L-8

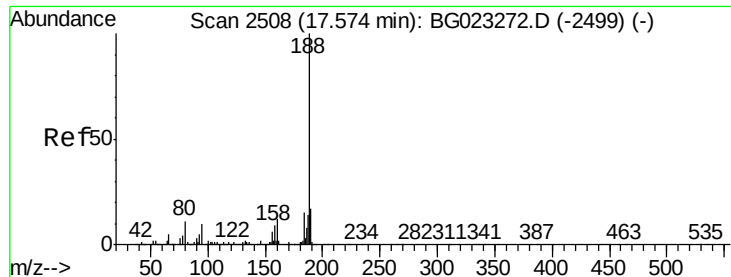
Tgt Ion:330 Resp: 809970  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.4 116.2  
 141 39.8 31.7 47.5



#44  
 2-Fluorobiphenyl  
 Concen: 89.61 ng  
 RT: 13.42 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: BG023334.D  
 Acq: 29 Jul 2016 10:24

Tgt Ion:172 Resp: 2459298  
 Ion Ratio Lower Upper  
 172 100  
 171 42.1 31.6 47.4  
 170 29.6 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampleId :

L-8

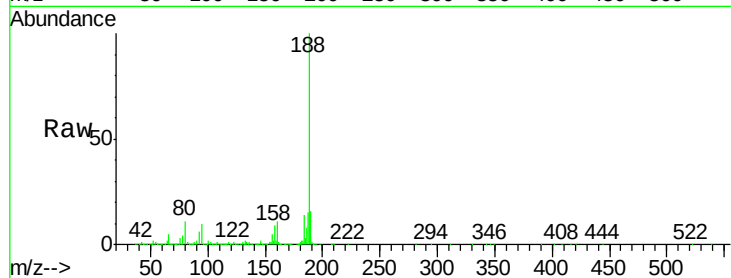
Tgt Ion:188 Resp: 1221266

Ion Ratio Lower Upper

188 100

94 9.9 5.2 7.8#

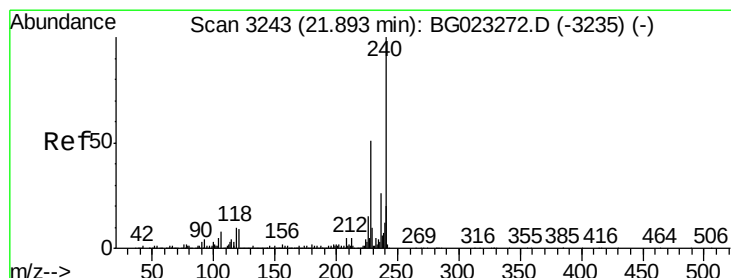
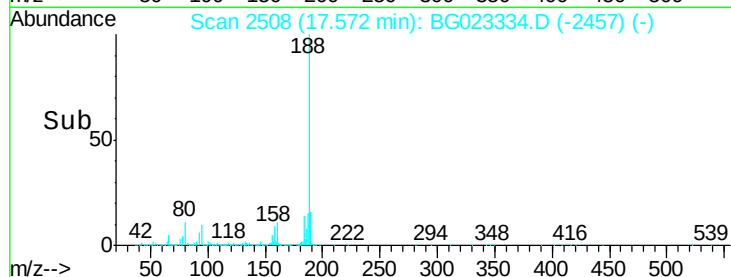
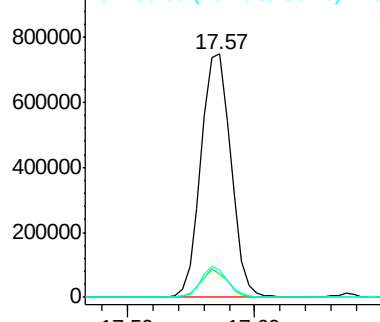
80 11.3 7.2 10.8#



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: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

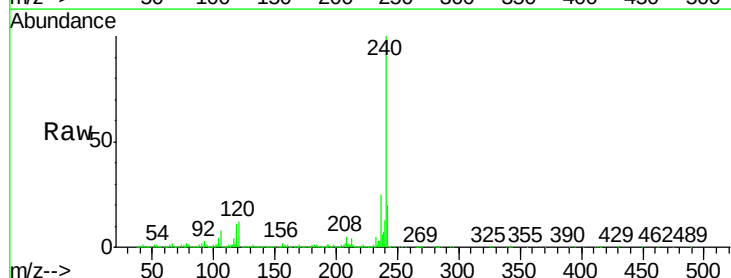
Tgt Ion:240 Resp: 1229496

Ion Ratio Lower Upper

240 100

120 11.7 4.1 6.1#

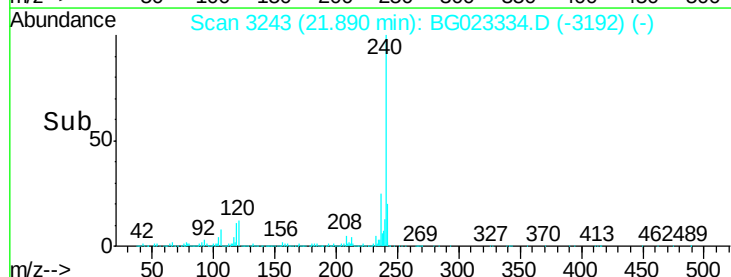
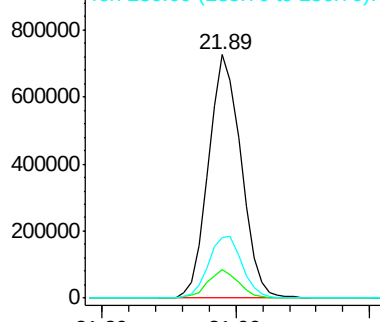
236 25.0 21.1 31.7



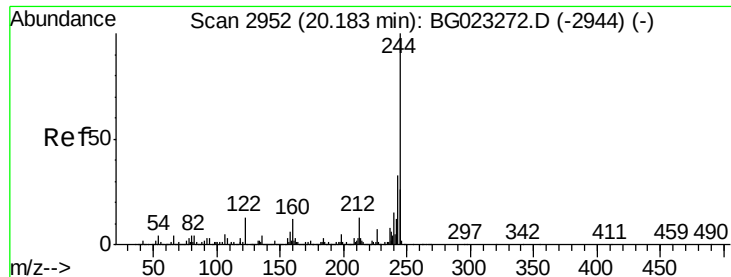
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 84.13 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

Instrument :

BNA\_G

ClientSampled :

L-8

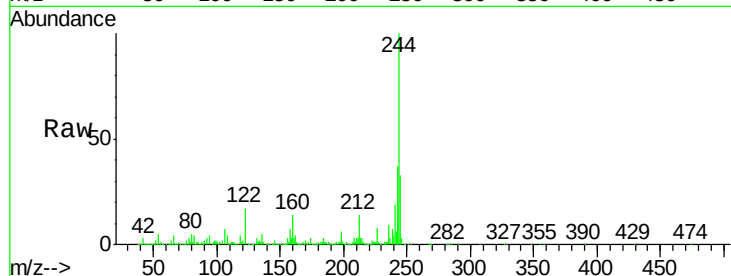
Tgt Ion:244 Resp: 3181850

Ion Ratio Lower Upper

244 100

212 14.2 10.8 16.2

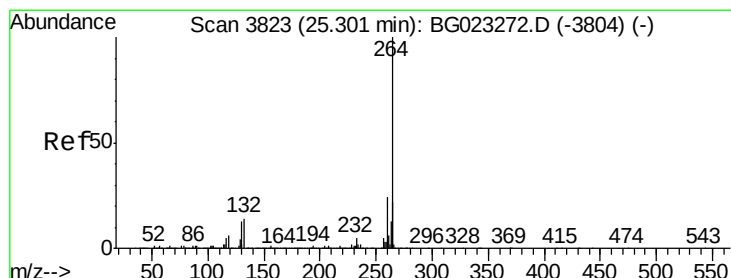
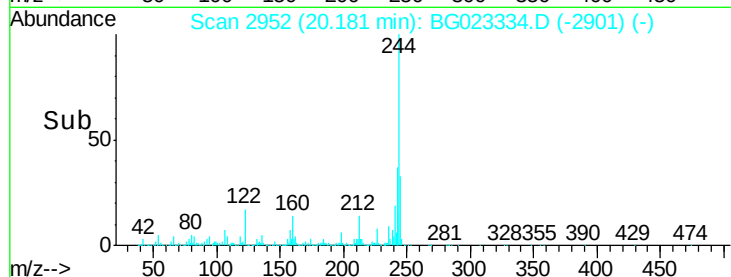
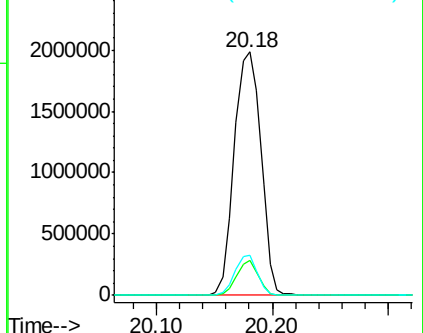
122 16.7 8.0 12.0#



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: 25.30 min Scan# 3823

Delta R.T. -0.01 min

Lab File: BG023334.D

Acq: 29 Jul 2016 10:24

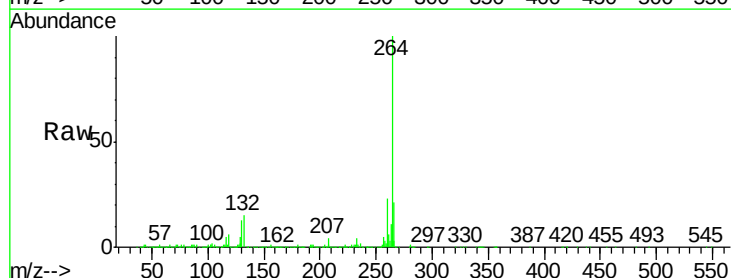
Tgt Ion:264 Resp: 1235982

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.1 18.9 28.3



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

