

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG010917\  
 Data File : BG025435.D  
 Acq On : 9 Jan 2017 18:16  
 Operator : UM/SJ  
 Sample : PB95829BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95829BL

Quant Time: Jan 10 00:02:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 18:42:01 2016  
 Response via : Initial Calibration

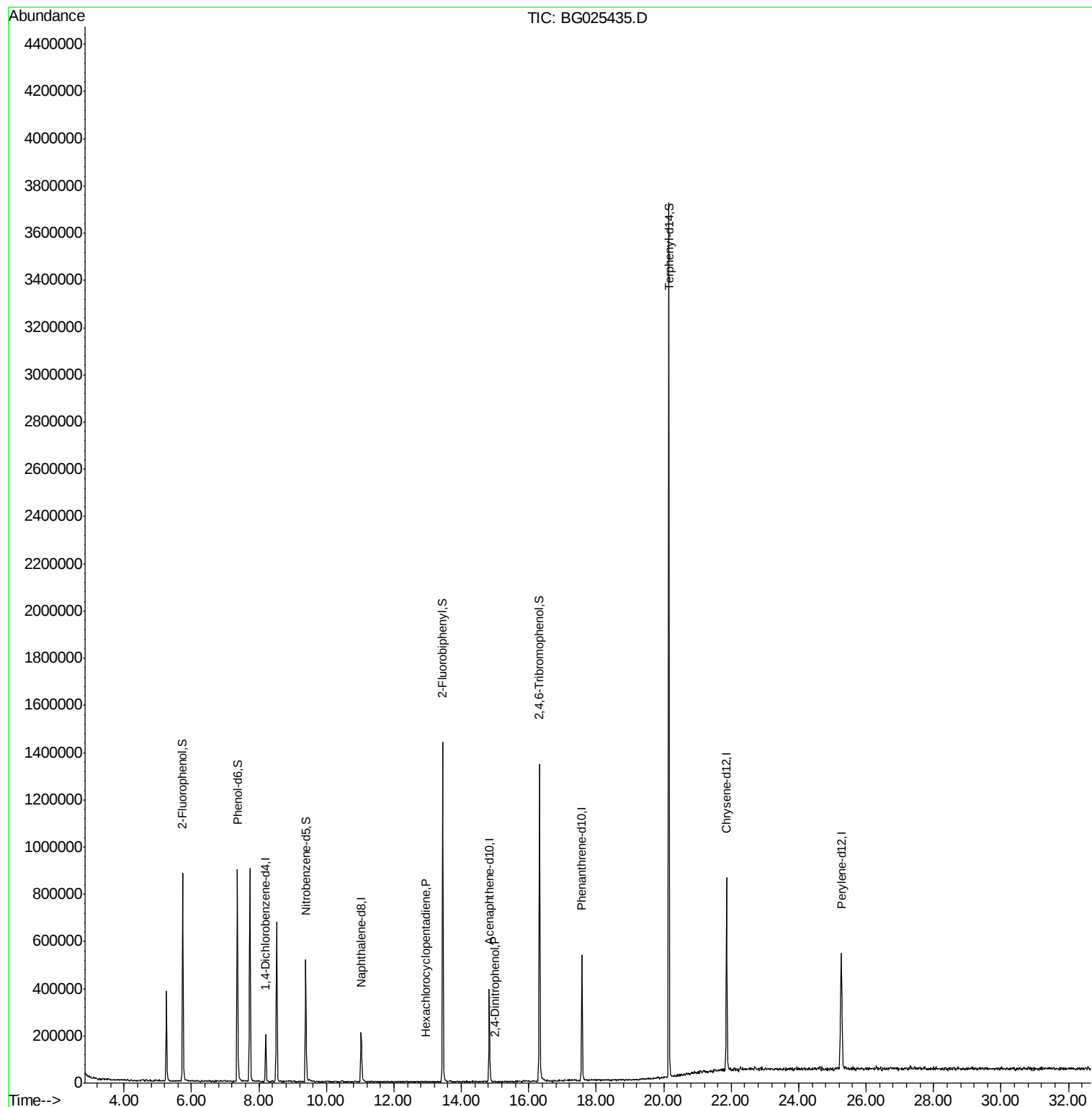
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 49023    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.03 | 136  | 201479   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.83 | 164  | 152978   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 17.57 | 188  | 345208   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12              | 21.86 | 240  | 578277   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.27 | 264  | 624283   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 348264   | 129.13 | ng    | -0.01    |
| 7) Phenol-d6                  | 7.36  | 99   | 465208   | 122.48 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.38  | 82   | 340721   | 74.71  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 269015   | 109.23 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 769202   | 81.41  | ng    | -0.01    |
| 78) Terphenyl-d14             | 20.15 | 244  | 1601863  | 73.45  | ng    | -0.01    |
| Target Compounds              |       |      |          |        |       |          |
| 40) Hexachlorocyclopentadiene | 12.95 | 237  | 54       | 8.54   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 15.01 | 184  | 79       | 5.12   | ng    | # 15     |

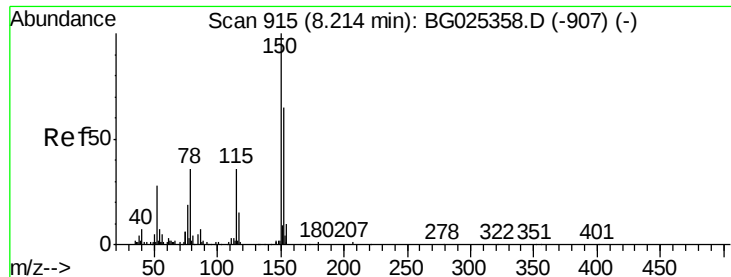
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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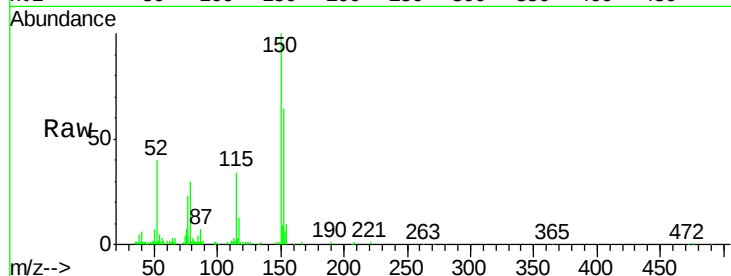


#1

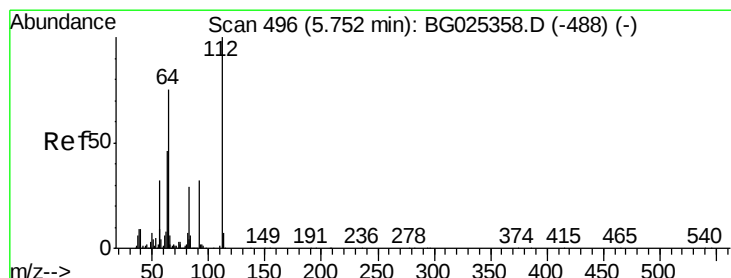
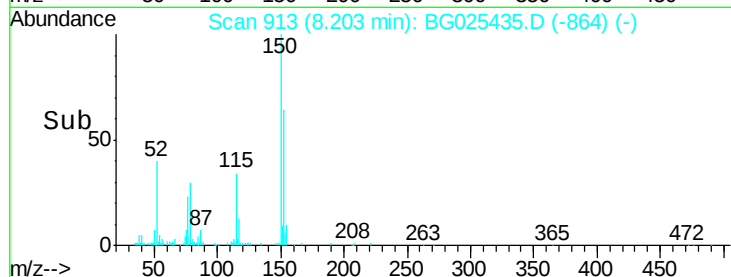
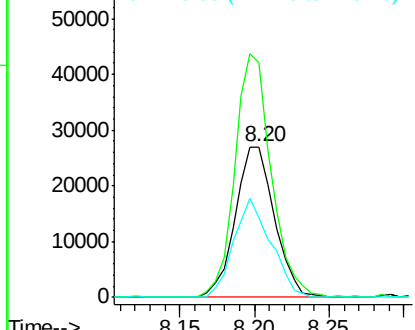
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.20 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BG025435.D  
Acq: 9 Jan 2017 18:16

Instrument :  
BNA\_G  
ClientSampleId :  
PB95829BL

Tgt Ion:152 Resp: 49023  
Ion Ratio Lower Upper  
152 100  
150 155.8 114.0 171.0  
115 53.1 48.1 72.1



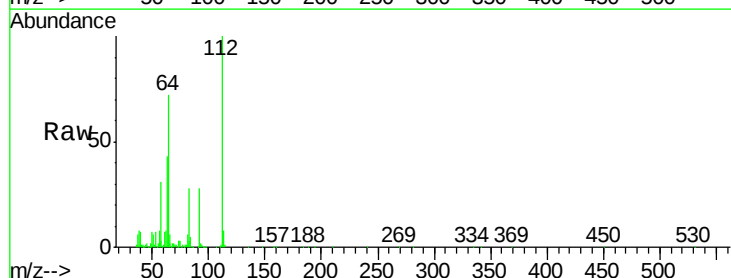
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



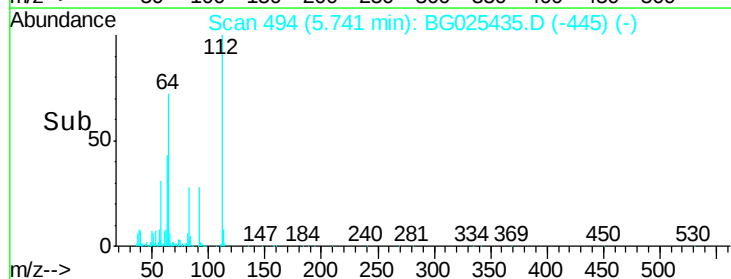
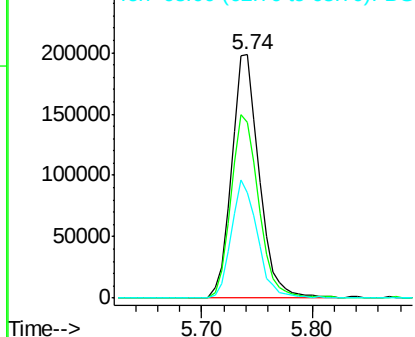
#5

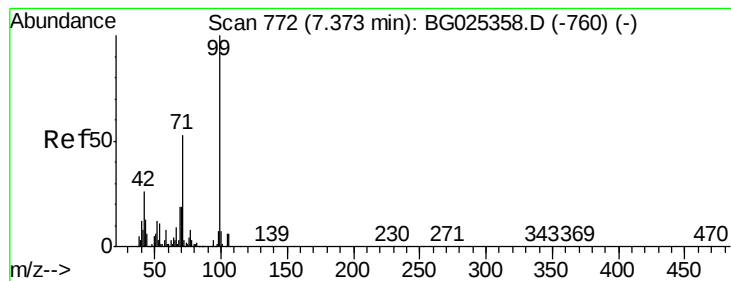
2-Fluorophenol  
Concen: 129.13 ng  
RT: 5.74 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: BG025435.D  
Acq: 9 Jan 2017 18:16

Tgt Ion:112 Resp: 348264  
Ion Ratio Lower Upper  
112 100  
64 72.4 61.8 92.6  
63 43.4 37.2 55.8



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: 122.48 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

Instrument :

BNA\_G

ClientSampleId :

PB95829BL

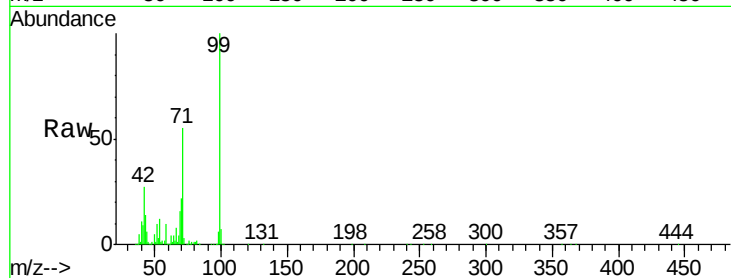
Tgt Ion: 99 Resp: 465208

Ion Ratio Lower Upper

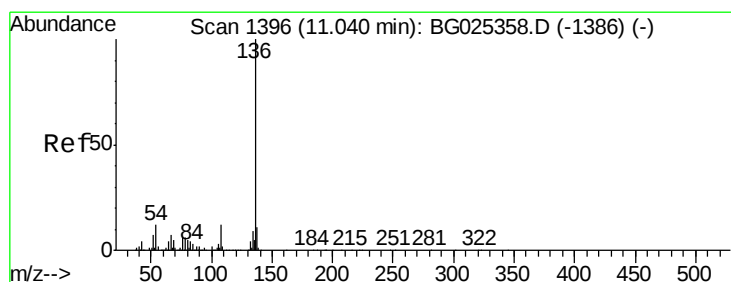
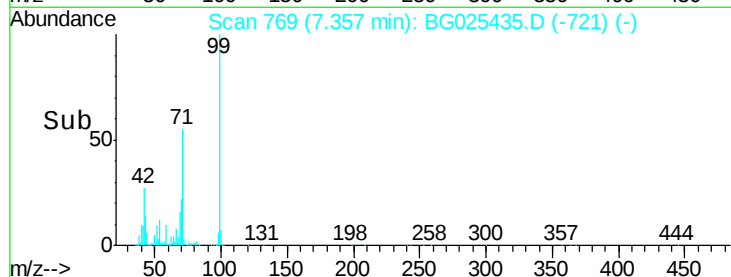
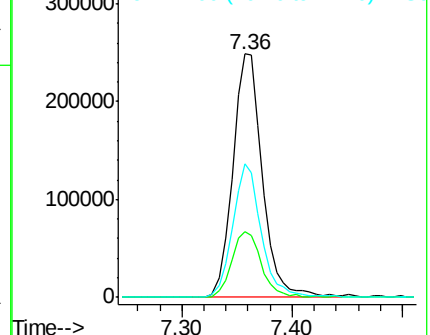
99 100

42 26.8 20.5 30.7

71 54.8 37.6 56.4



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: 20.00 ng

RT: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

Tgt Ion: 136 Resp: 201479

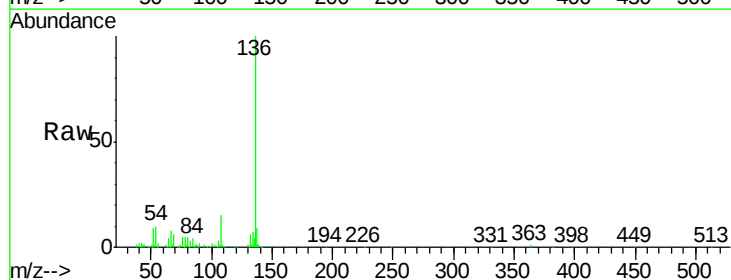
Ion Ratio Lower Upper

136 100

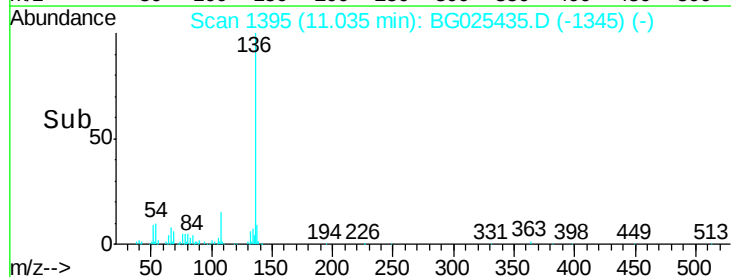
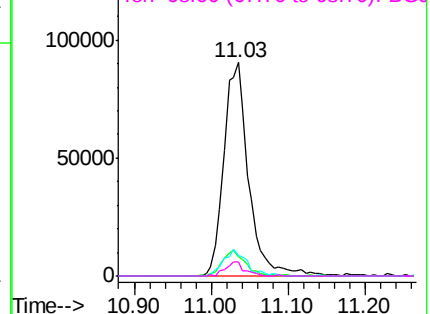
137 8.8 8.9 13.3#

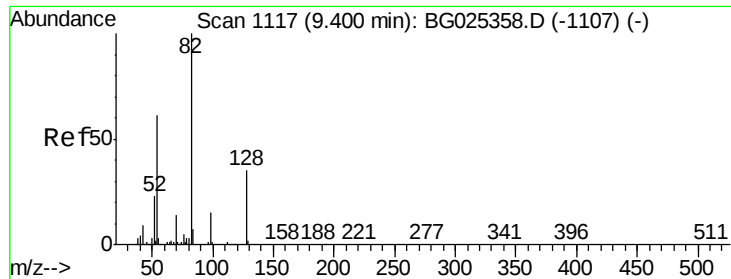
54 9.6 9.3 13.9

68 6.4 5.1 7.7



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

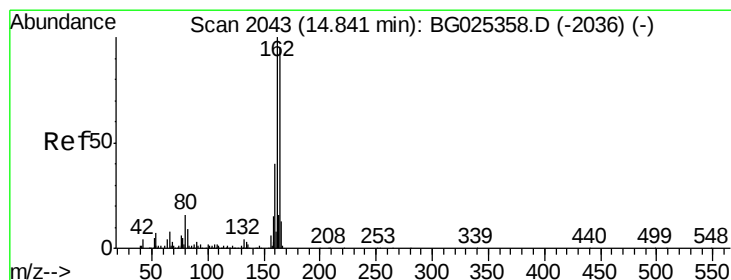
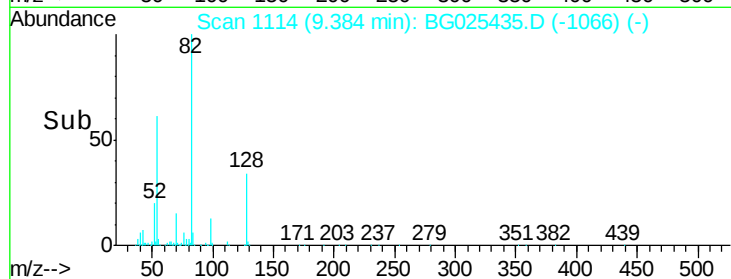
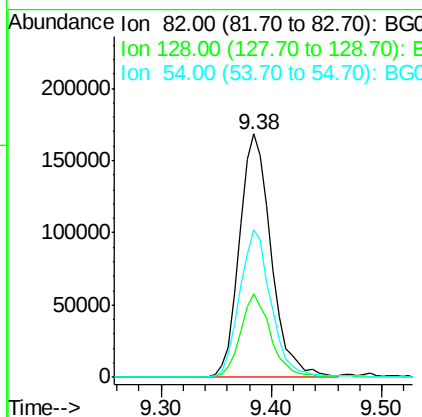
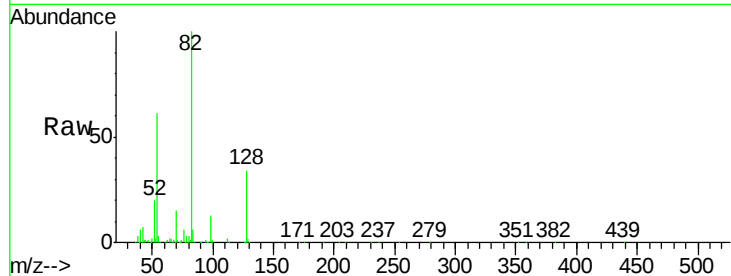




#23  
 Nitrobenzene-d5  
 Concen: 74.71 ng  
 RT: 9.38 min Scan# 1114  
 Delta R.T. -0.02 min  
 Lab File: BG025435.D  
 Acq: 9 Jan 2017 18:16

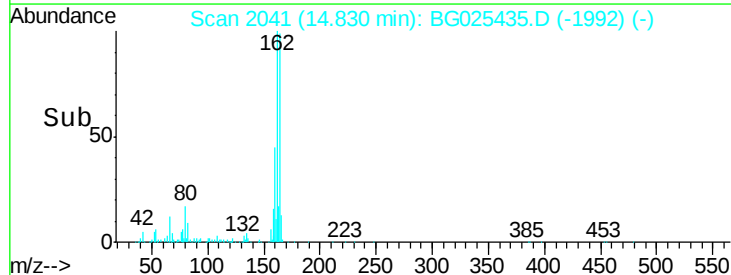
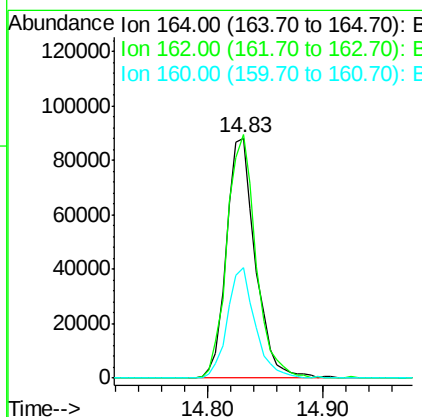
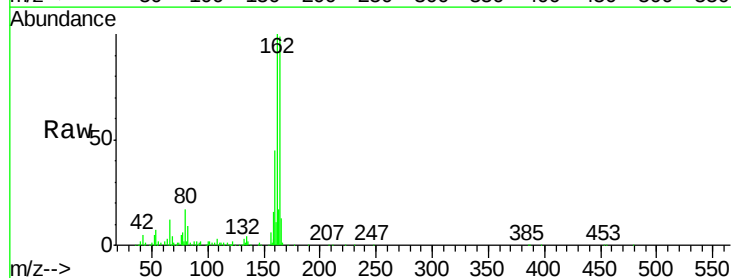
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95829BL

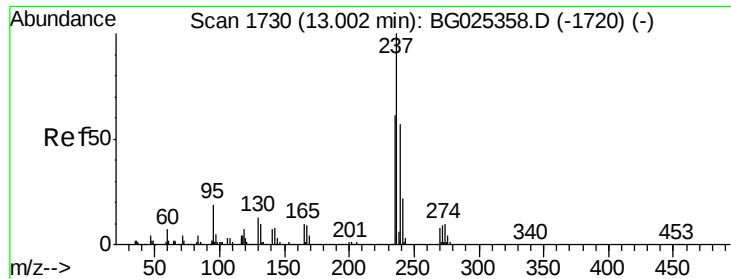
Tgt Ion: 82 Resp: 340721  
 Ion Ratio Lower Upper  
 82 100  
 128 34.1 26.4 39.6  
 54 60.8 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.83 min Scan# 2041  
 Delta R.T. -0.01 min  
 Lab File: BG025435.D  
 Acq: 9 Jan 2017 18:16

Tgt Ion: 164 Resp: 152978  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 85.1 127.7  
 160 46.1 34.7 52.1

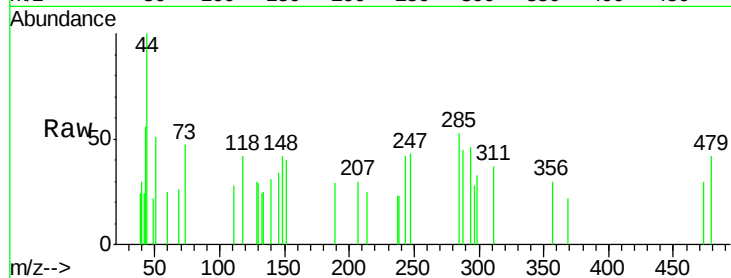




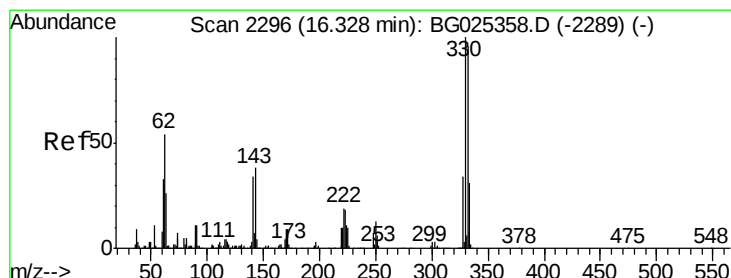
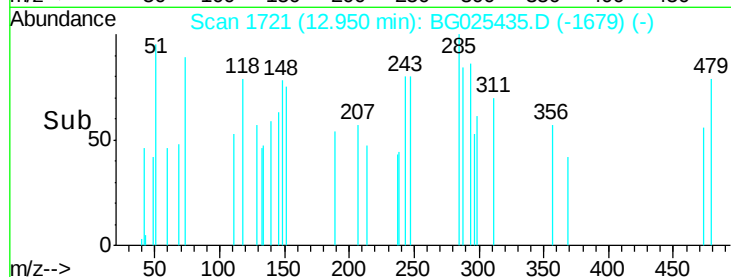
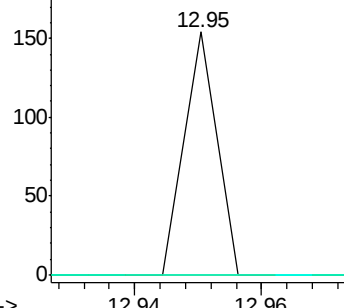
#40  
Hexachlorocyclopentadiene  
Concen: 8.54 ng  
RT: 12.95 min Scan# 1721  
Delta R.T. -0.05 min  
Lab File: BG025435.D  
Acq: 9 Jan 2017 18:16

Instrument :  
BNA\_G  
ClientSampleId :  
PB95829BL

Tgt Ion: 237 Resp: 54  
Ion Ratio Lower Upper  
237 100  
235 0.0 39.4 79.4#  
272 0.0 0.0 32.0

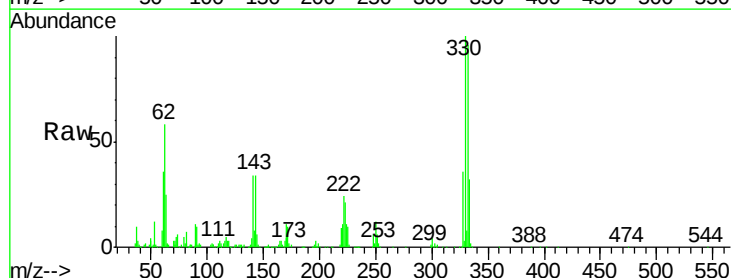


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

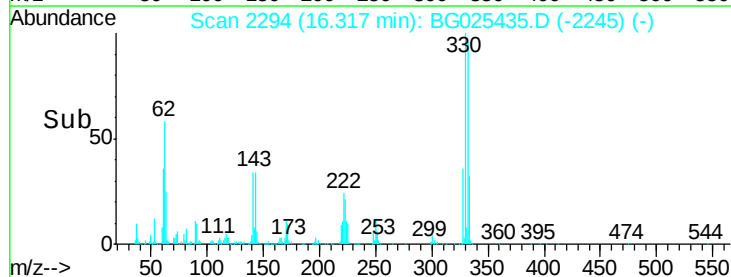
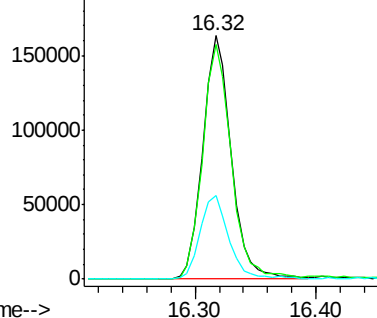


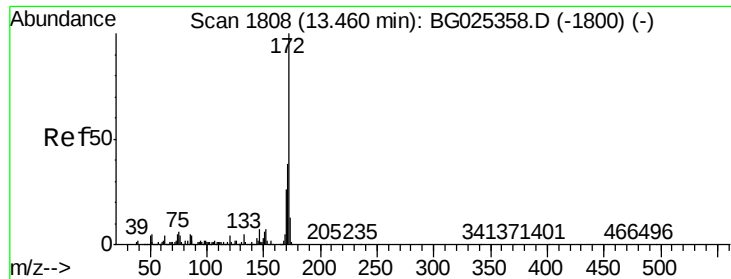
#41  
2,4,6-Tribromophenol  
Concen: 109.23 ng  
RT: 16.32 min Scan# 2294  
Delta R.T. -0.01 min  
Lab File: BG025435.D  
Acq: 9 Jan 2017 18:16

Tgt Ion: 330 Resp: 269015  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.3 115.9  
141 35.1 32.1 48.1



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

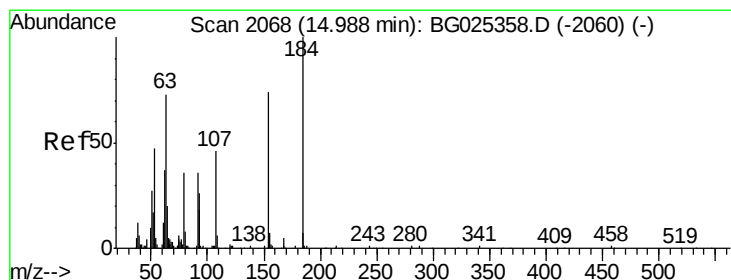
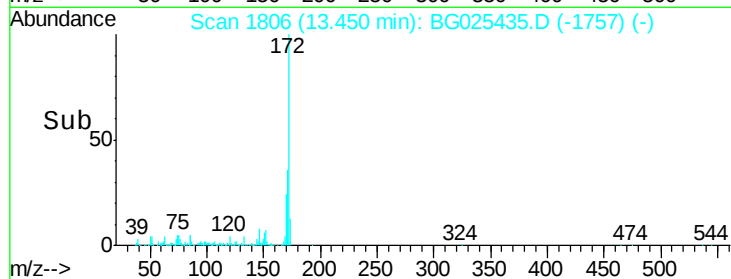
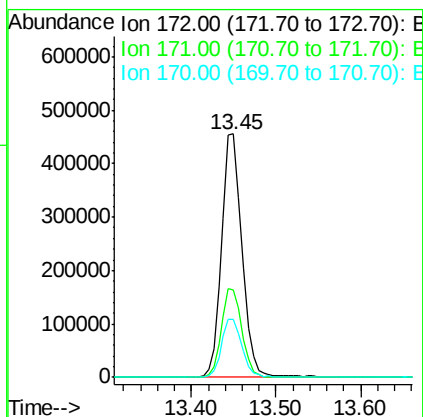
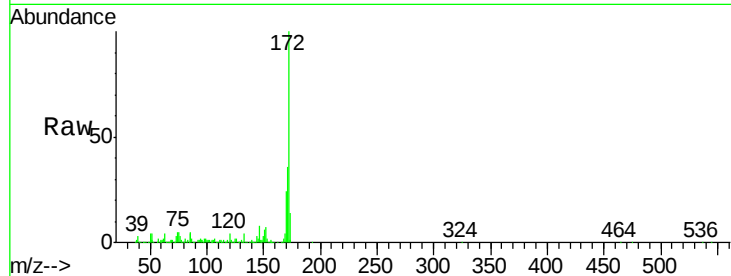




#44  
 2-Fluorobiphenyl  
 Concen: 81.41 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.01 min  
 Lab File: BG025435.D  
 Acq: 9 Jan 2017 18:16

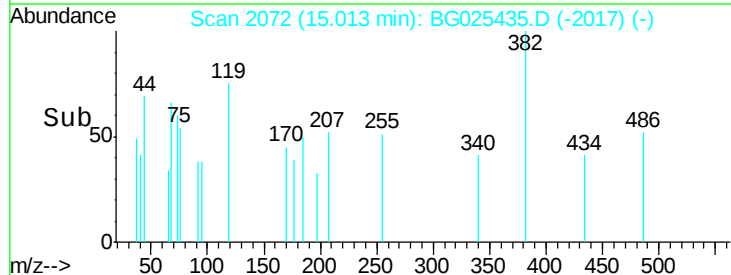
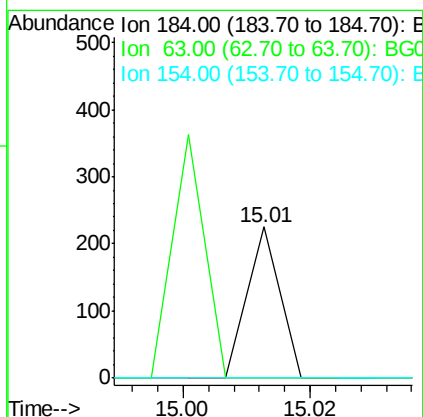
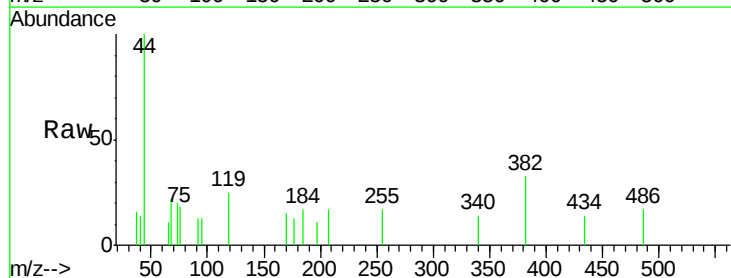
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 BNA\_G  
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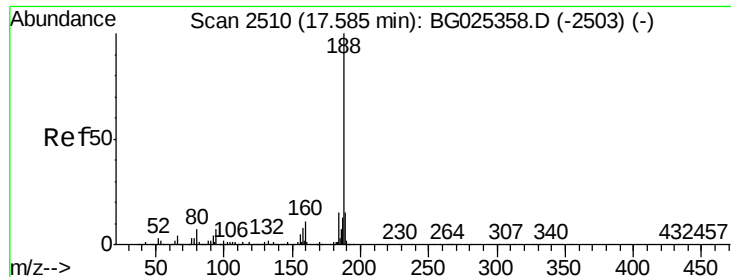
Tgt Ion:172 Resp: 769202  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 32.2 48.2  
 170 23.7 21.8 32.6



#53  
 2,4-Dinitrophenol  
 Concen: 5.12 ng  
 RT: 15.01 min Scan# 2072  
 Delta R.T. 0.02 min  
 Lab File: BG025435.D  
 Acq: 9 Jan 2017 18:16

Tgt Ion:184 Resp: 79  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 52.7 79.1#  
 154 0.0 57.3 85.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. -0.01 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

Instrument :

BNA\_G

ClientSampleId :

PB95829BL

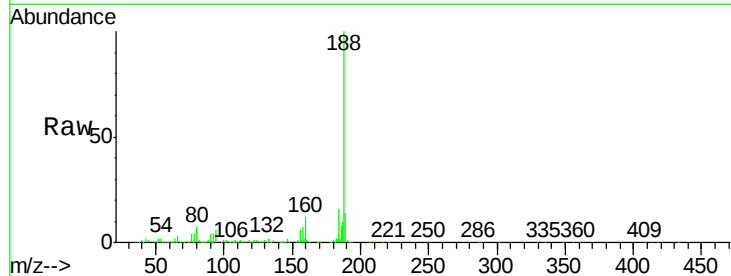
Tgt Ion:188 Resp: 345208

Ion Ratio Lower Upper

188 100

94 5.7 5.8 8.8#

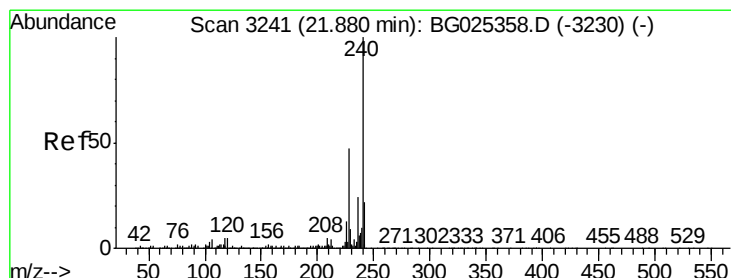
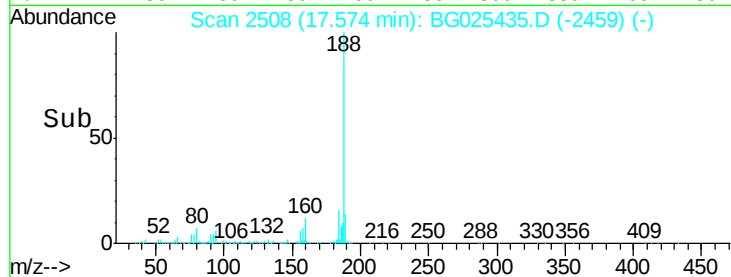
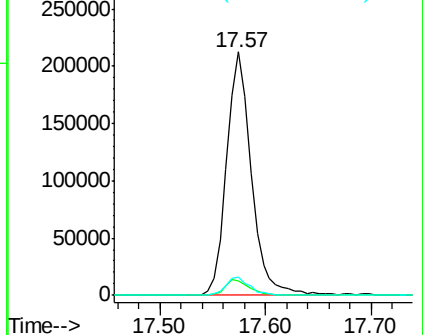
80 7.3 7.5 11.3#



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: 21.86 min Scan# 3238

Delta R.T. -0.02 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

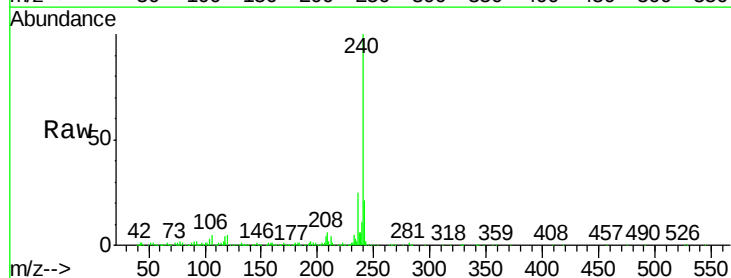
Tgt Ion:240 Resp: 578277

Ion Ratio Lower Upper

240 100

120 5.1 5.7 8.5#

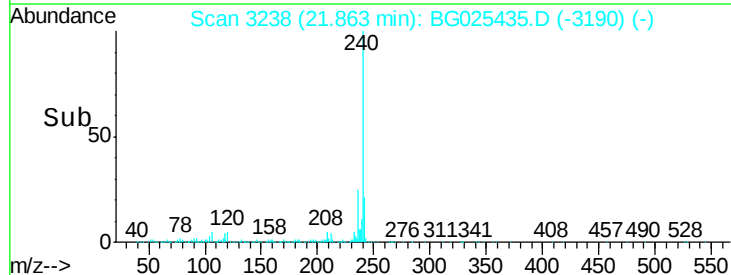
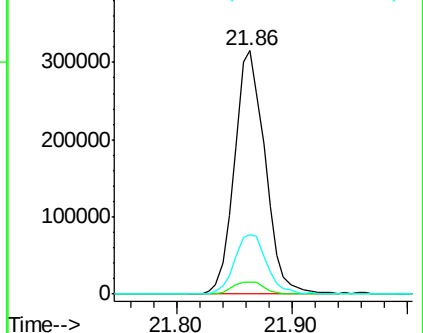
236 24.6 22.2 33.4

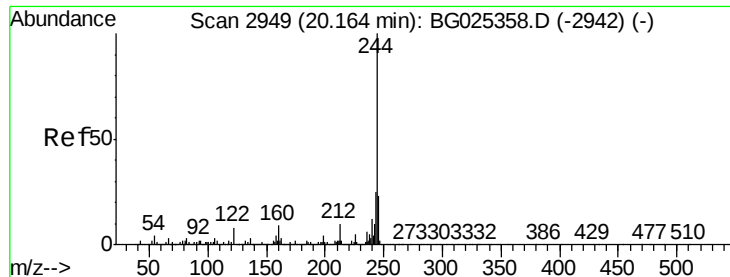


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 73.45 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

Instrument :

BNA\_G

ClientSampleId :

PB95829BL

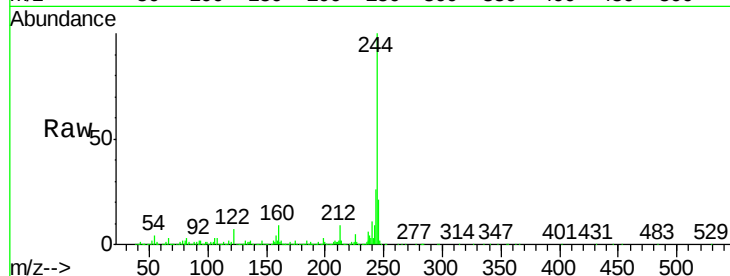
Tgt Ion:244 Resp: 1601863

Ion Ratio Lower Upper

244 100

212 9.4 10.0 15.0#

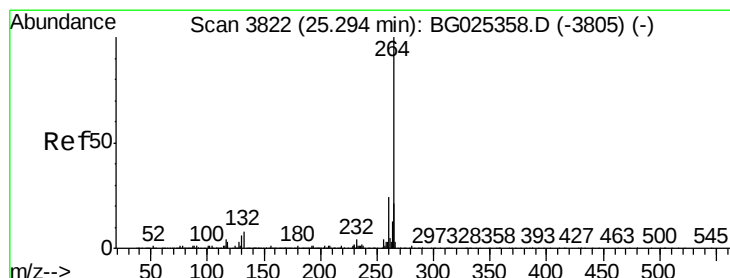
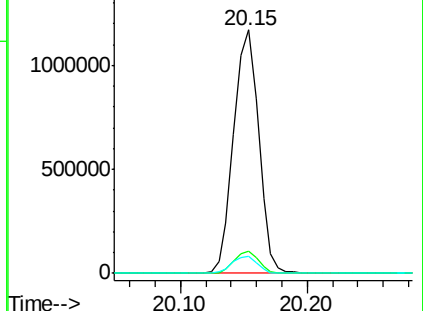
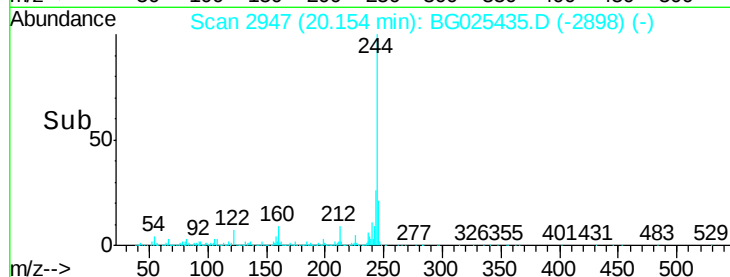
122 7.0 8.6 12.8#



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: 25.27 min Scan# 3817

Delta R.T. -0.03 min

Lab File: BG025435.D

Acq: 9 Jan 2017 18:16

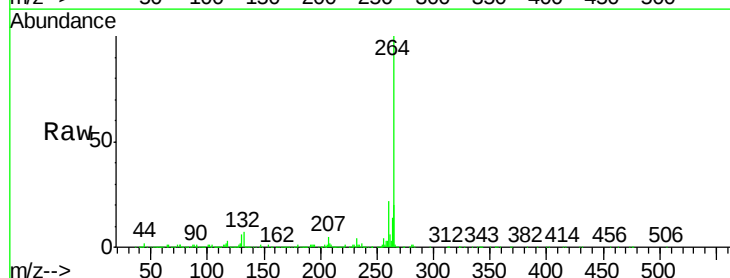
Tgt Ion:264 Resp: 624283

Ion Ratio Lower Upper

264 100

260 21.7 21.8 32.8#

265 20.2 18.2 27.4



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

