

Data File : BG025985.D  
Acq On : 28 Feb 2017 5:02  
Operator : SJ/MA  
Sample : I2000-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SP-NORTH(0-2)

Quant Time: Feb 28 05:50:53 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 15:48:21 2017  
Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 88059    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.88 | 136  | 408416   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 284650   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 823354   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.65 | 240  | 862993   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.85 | 264  | 833428   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 786741   | 155.55 | ng    | -0.01    |
| 7) Phenol-d6                | 7.23  | 99   | 1024827  | 136.92 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 627833   | 97.01  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 571156   | 217.18 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 1712114  | 105.10 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.00 | 244  | 2876428  | 81.07  | ng    | -0.02    |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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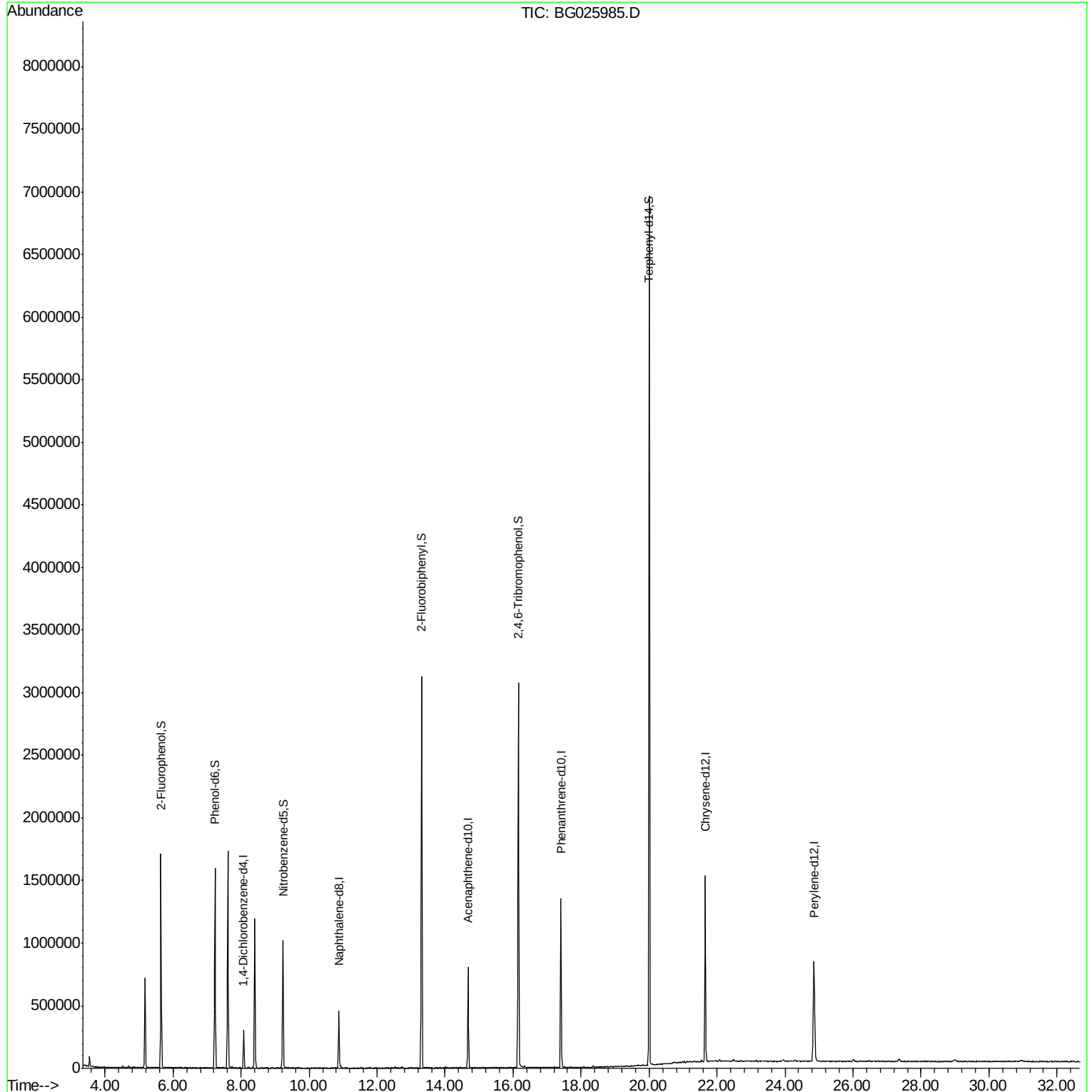
Quant Time: Feb 28 05:50:53 2017

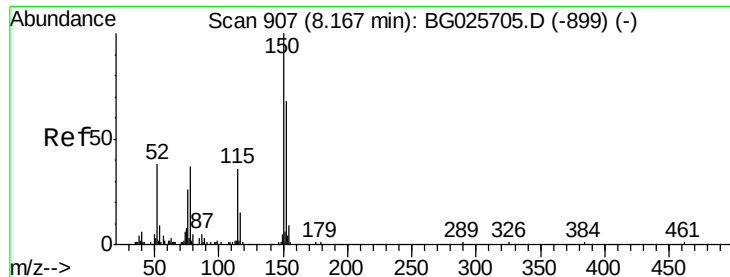
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M

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QLast Update : Fri Feb 17 15:48:21 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 806

Delta R.T. -0.01 min

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Instrument :

BNA\_G

ClientSampleId :

SP-NORTH(0-2)

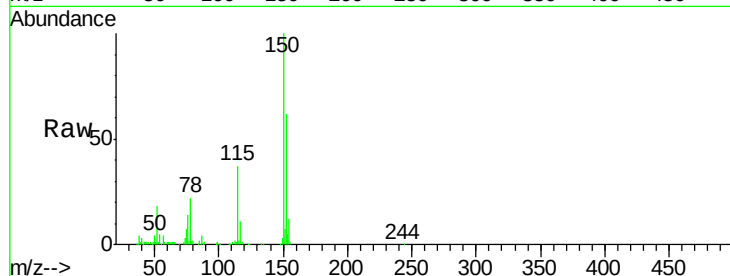
Tgt Ion:152 Resp: 88059

Ion Ratio Lower Upper

152 100

150 161.3 114.0 171.0

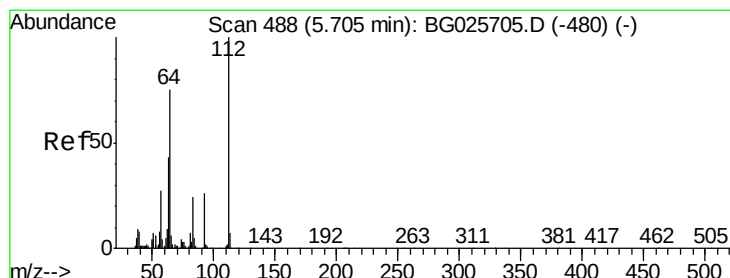
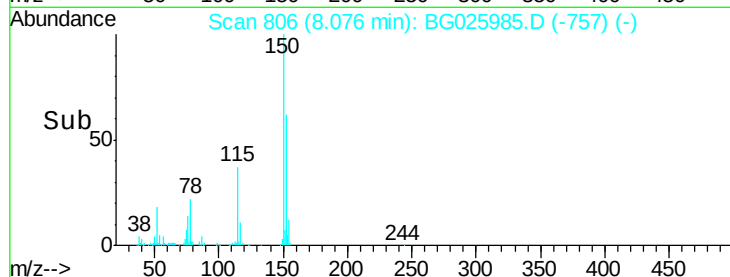
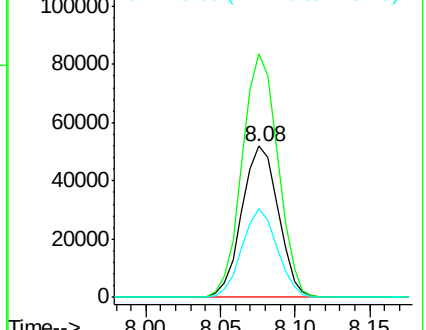
115 58.9 48.1 72.1



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: 155.55 ng

RT: 5.64 min Scan# 392

Delta R.T. -0.01 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

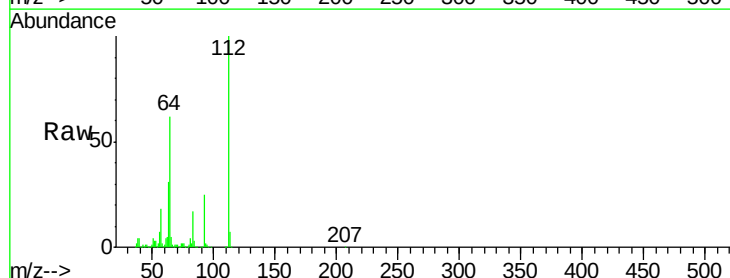
Tgt Ion:112 Resp: 786741

Ion Ratio Lower Upper

112 100

64 62.3 61.8 92.6

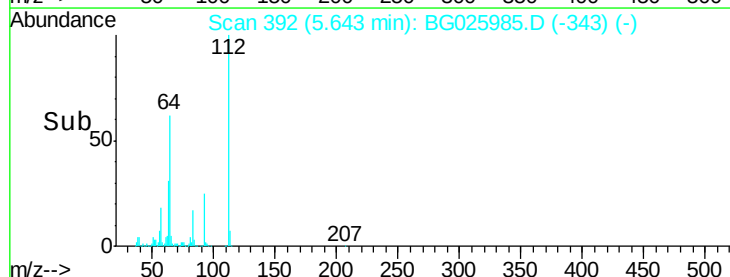
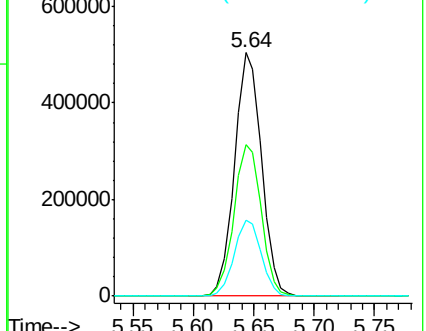
63 30.9 37.2 55.8#

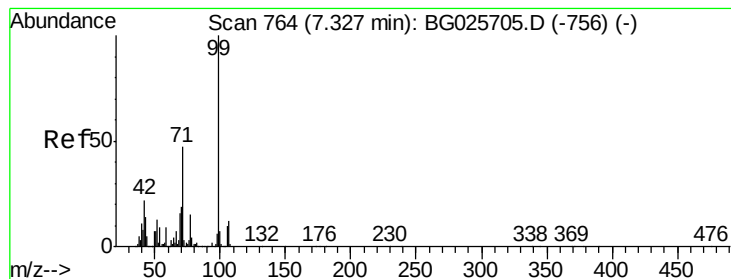


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 136.92 ng

RT: 7.23 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

Instrument :

BNA\_G

ClientSampleId :

SP-NORTH(0-2)

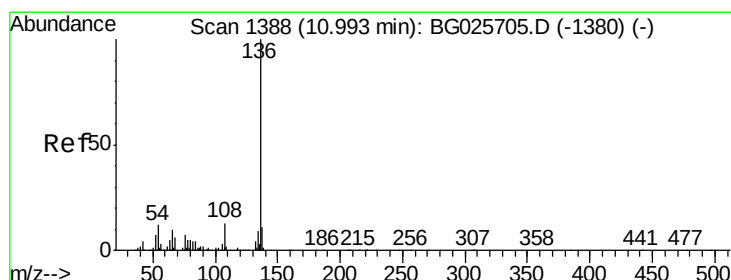
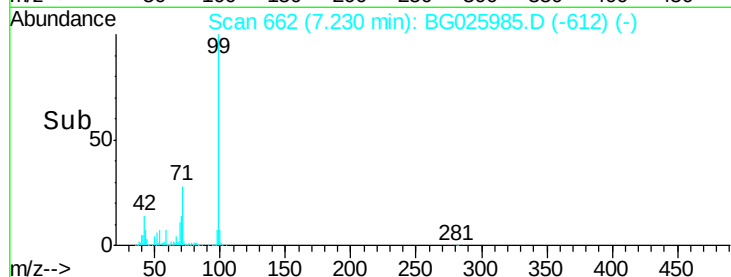
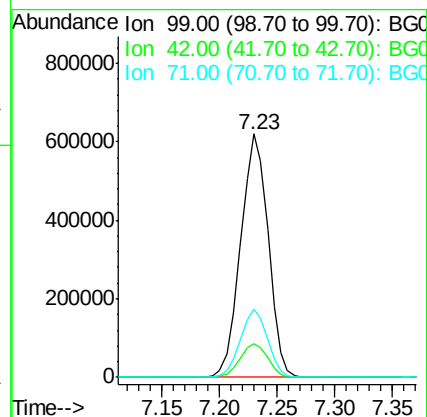
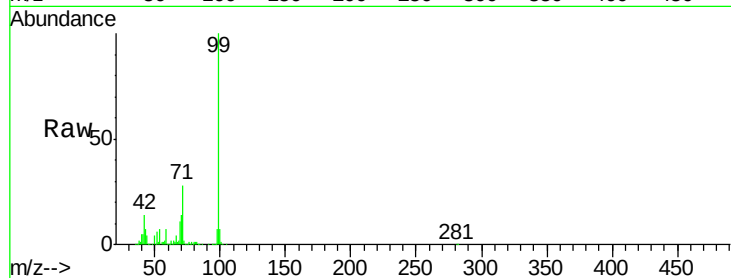
Tgt Ion: 99 Resp: 1024827

Ion Ratio Lower Upper

99 100

42 14.1 20.5 30.7#

71 27.8 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

Tgt Ion: 136 Resp: 408416

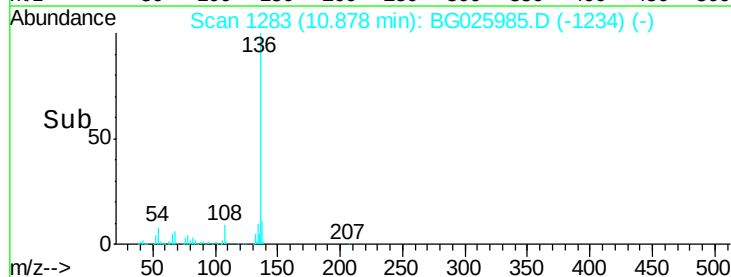
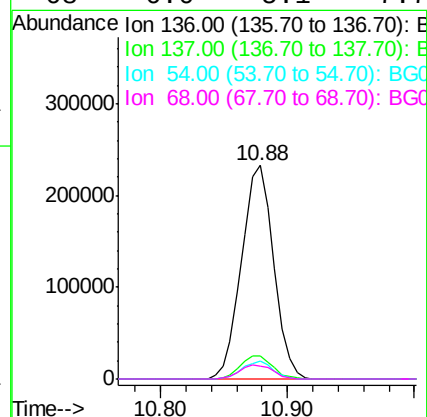
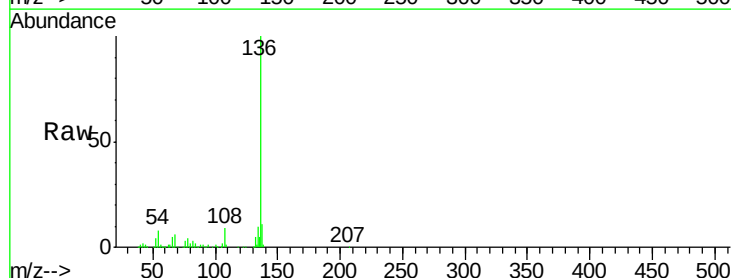
Ion Ratio Lower Upper

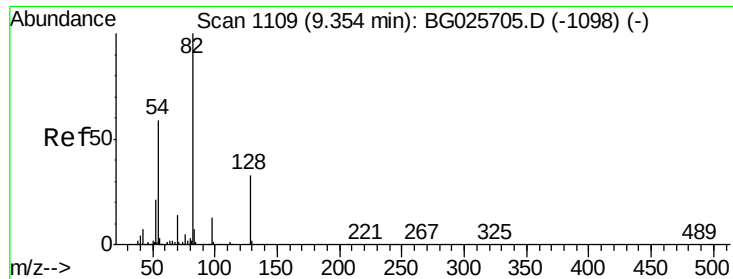
136 100

137 10.9 8.9 13.3

54 8.5 9.3 13.9#

68 6.0 5.1 7.7

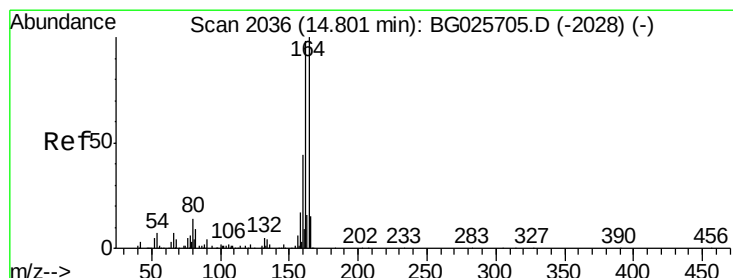
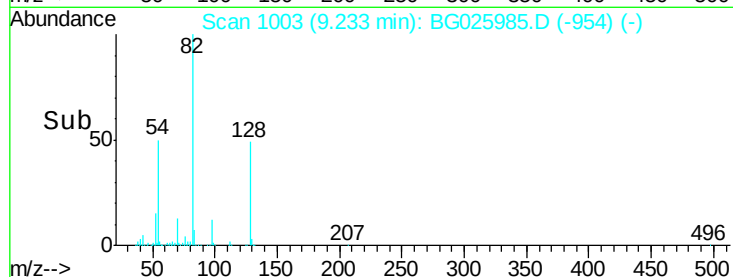
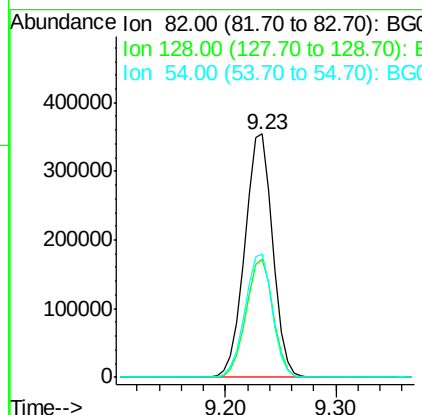
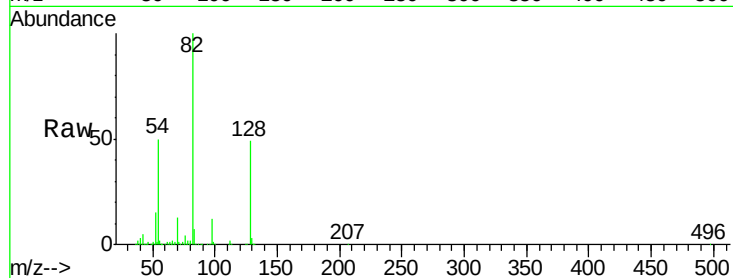




#23  
 Nitrobenzene-d5  
 Concen: 97.01 ng  
 RT: 9.23 min Scan# 1003  
 Delta R.T. -0.01 min  
 Lab File: BG025985.D  
 Acq: 28 Feb 2017 5:02

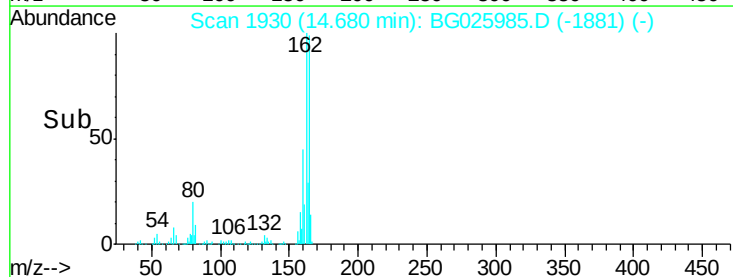
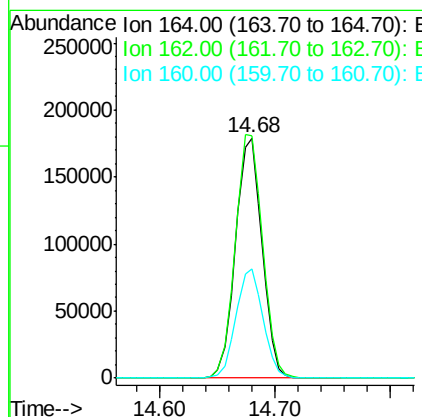
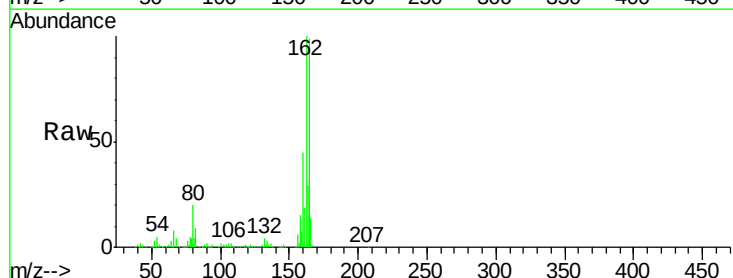
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-NORTH(0-2)

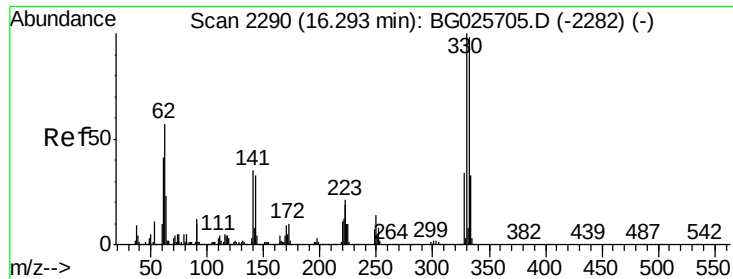
Tgt Ion: 82 Resp: 627833  
 Ion Ratio Lower Upper  
 82 100  
 128 48.8 26.4 39.6#  
 54 50.5 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.68 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: BG025985.D  
 Acq: 28 Feb 2017 5:02

Tgt Ion: 164 Resp: 284650  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 85.1 127.7  
 160 45.7 34.7 52.1

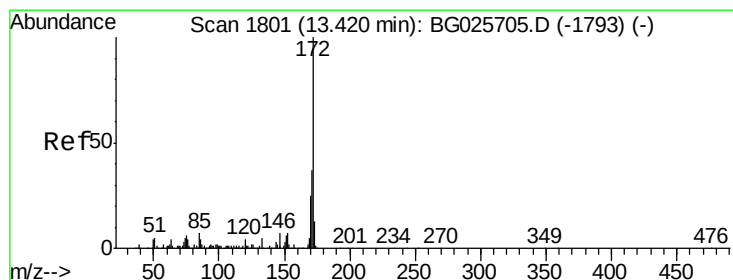
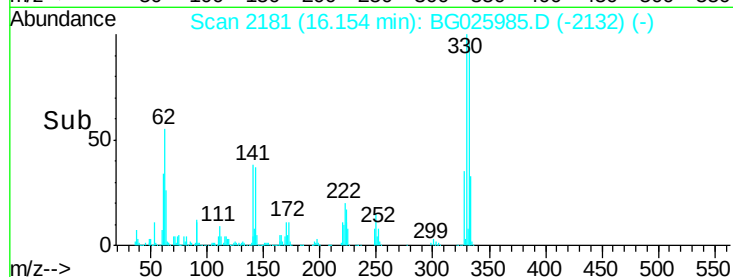
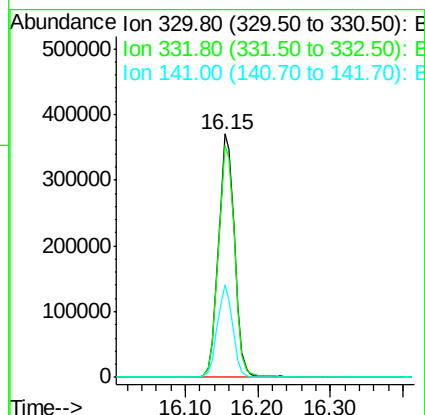
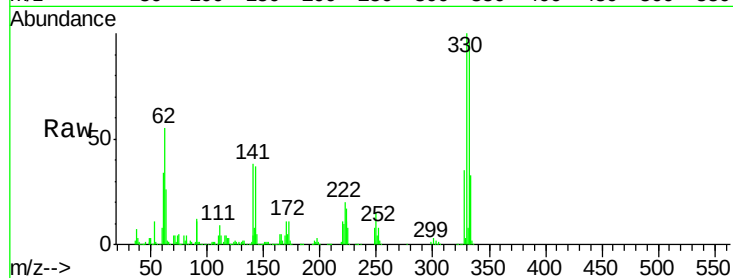




#41  
 2,4,6-Tribromophenol  
 Concen: 217.18 ng  
 RT: 16.15 min Scan# 2181  
 Delta R.T. -0.01 min  
 Lab File: BG025985.D  
 Acq: 28 Feb 2017 5:02

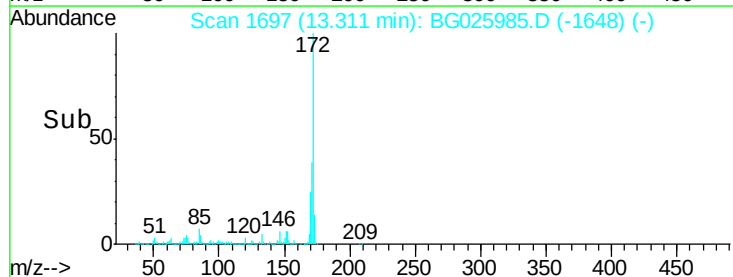
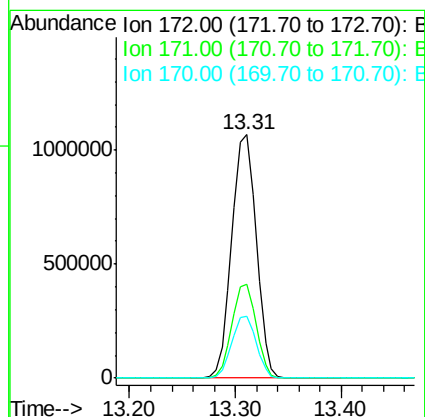
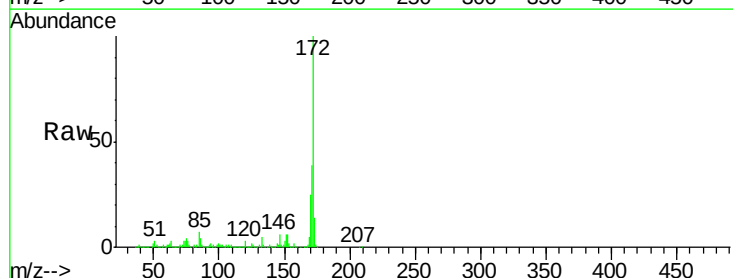
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-NORTH(0-2)

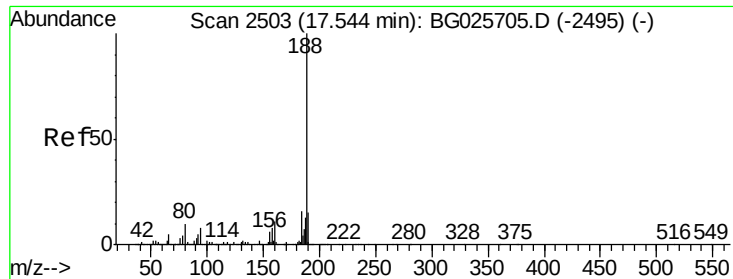
Tgt Ion:330 Resp: 571156  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.3 115.9  
 141 36.3 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 105.10 ng  
 RT: 13.31 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: BG025985.D  
 Acq: 28 Feb 2017 5:02

Tgt Ion:172 Resp: 1712114  
 Ion Ratio Lower Upper  
 172 100  
 171 38.8 32.2 48.2  
 170 25.5 21.8 32.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.41 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

Instrument :

BNA\_G

ClientSampleId :

SP-NORTH(0-2)

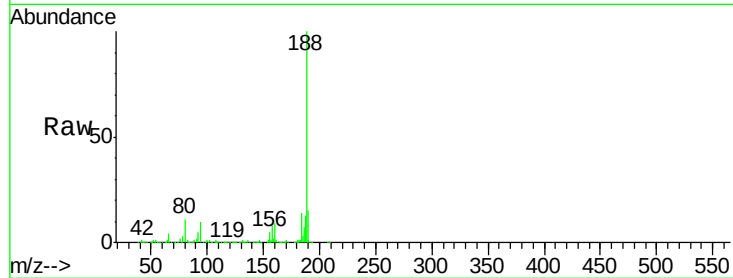
Tgt Ion:188 Resp: 823354

Ion Ratio Lower Upper

188 100

94 9.6 5.8 8.8#

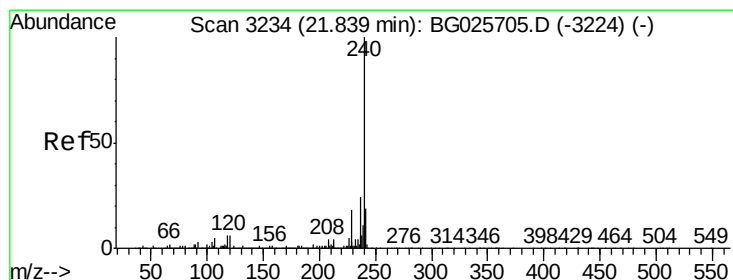
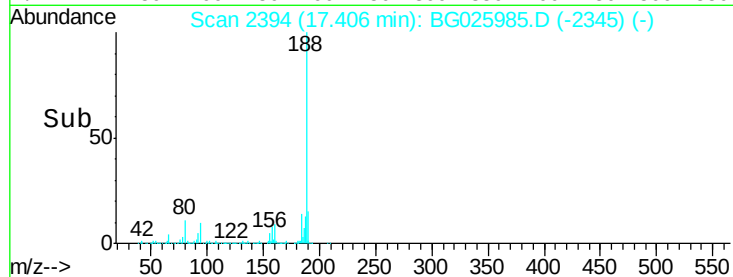
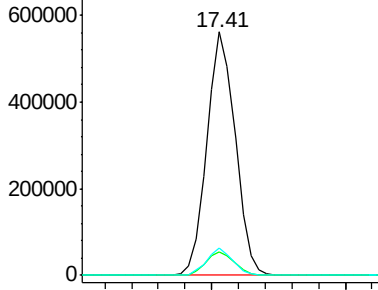
80 11.2 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.65 min Scan# 3117

Delta R.T. -0.02 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

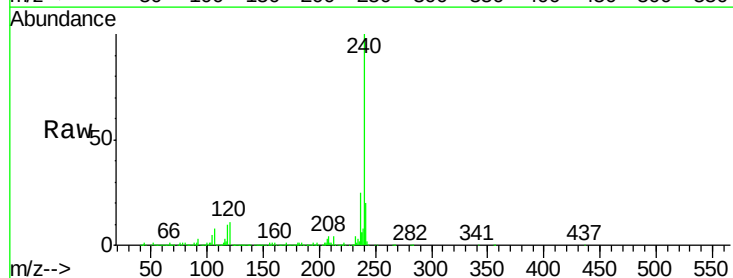
Tgt Ion:240 Resp: 862993

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

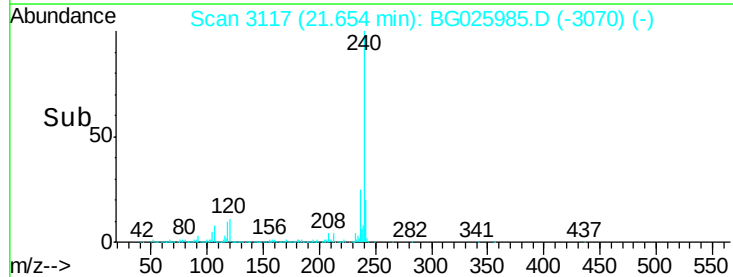
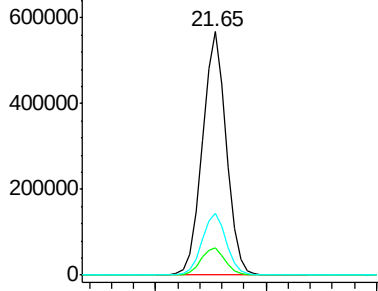
236 25.4 22.2 33.4

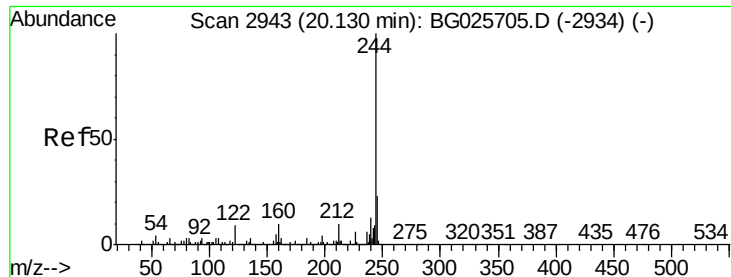


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.07 ng

RT: 20.00 min Scan# 2836

Delta R.T. -0.02 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

Instrument :

BNA\_G

ClientSampleId :

SP-NORTH(0-2)

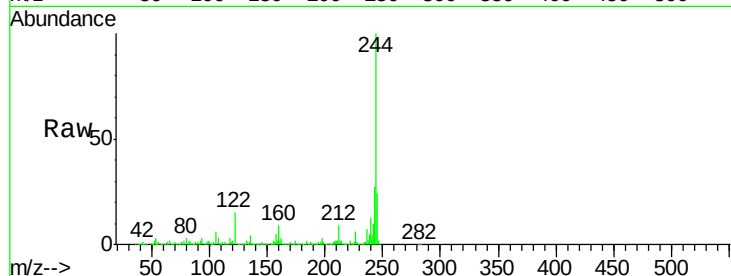
Tgt Ion:244 Resp: 2876428

Ion Ratio Lower Upper

244 100

212 9.3 10.0 15.0#

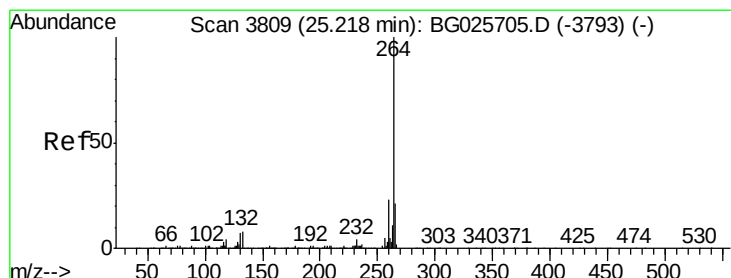
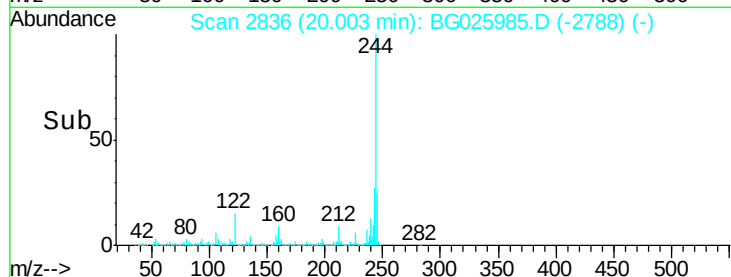
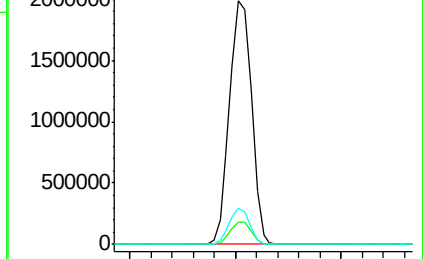
122 14.8 8.6 12.8#



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: 24.85 min Scan# 3661

Delta R.T. -0.04 min

Lab File: BG025985.D

Acq: 28 Feb 2017 5:02

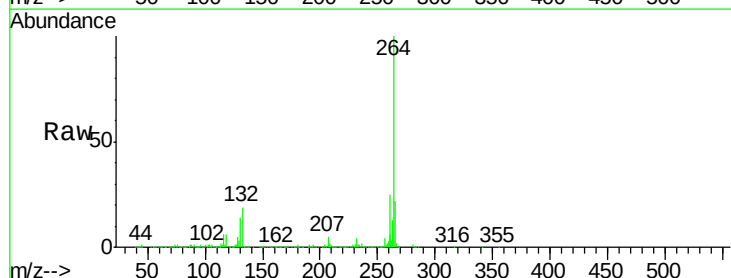
Tgt Ion:264 Resp: 833428

Ion Ratio Lower Upper

264 100

260 24.8 21.8 32.8

265 22.0 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

