

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050815\  
 Data File : BG016955.D  
 Acq On : 8 May 2015 14:14  
 Operator : TP/IZ  
 Sample : G2058-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEM-7

Quant Time: May 09 00:04:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 23:46:35 2015  
 Response via : Initial Calibration

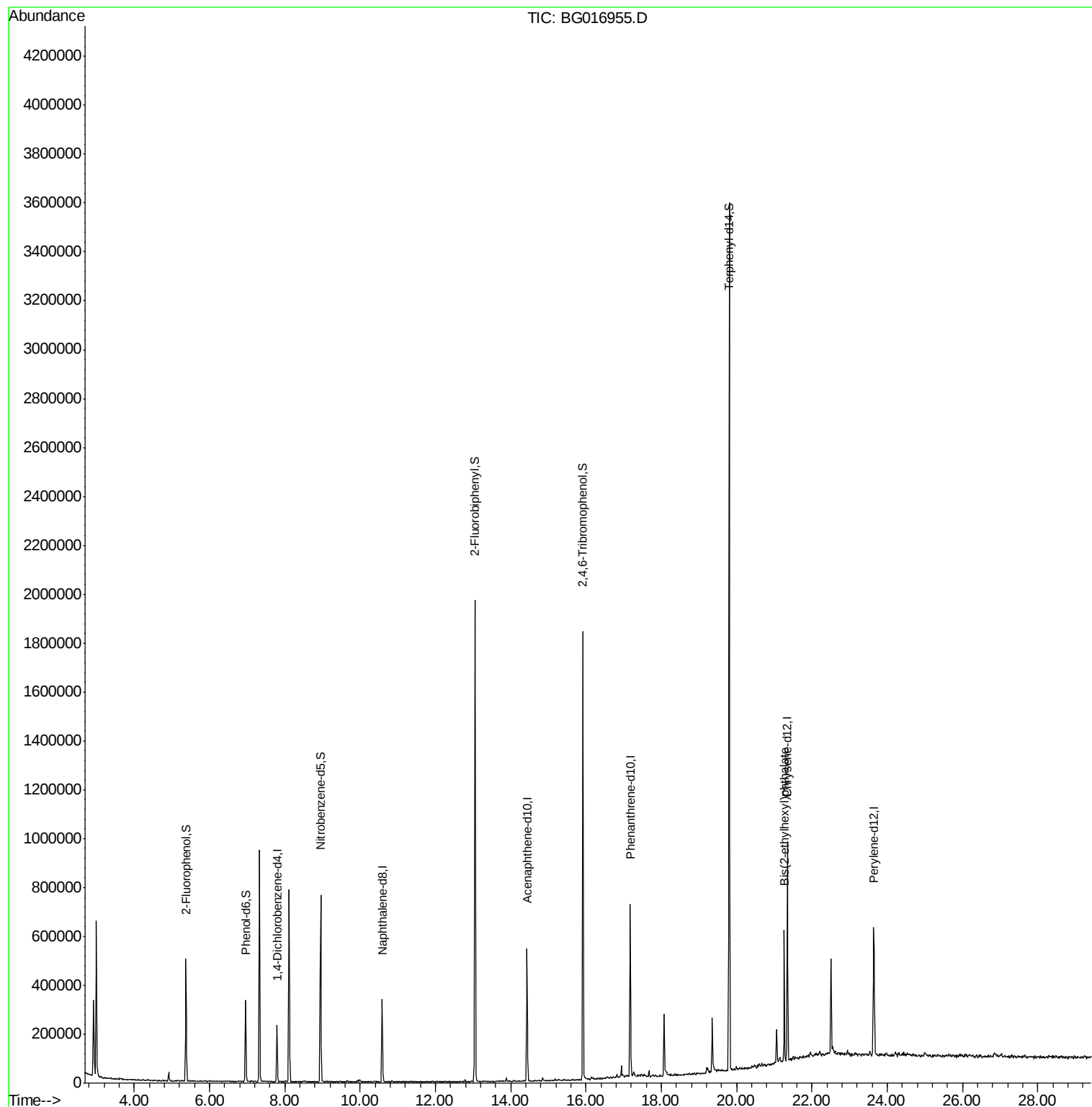
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 53207    | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8             | 10.58 | 136  | 241575   | 20.00     | ng    | 0.00        |
| 38) Acenaphthene-d10           | 14.43 | 164  | 171360   | 20.00     | ng    | 0.00        |
| 63) Phenanthrene-d10           | 17.18 | 188  | 391073   | 20.00     | ng    | 0.00        |
| 75) Chrysene-d12               | 21.35 | 240  | 376818   | 20.00     | ng    | -0.01       |
| 86) Perylene-d12               | 23.65 | 264  | 369790   | 20.00     | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |           |       |             |
| 5) 2-Fluorophenol              | 5.37  | 112  | 175149   | 57.32     | ng    | 0.00        |
| 7) Phenol-d6                   | 6.96  | 99   | 154975   | 35.50     | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 8.95  | 82   | 401572   | 81.21     | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 15.92 | 330  | 255621   | 148.59    | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 13.05 | 172  | 870997   | 76.70     | ng    | 0.00        |
| 78) Terphenyl-d14              | 19.80 | 244  | 1339477  | 83.33     | ng    | 0.00        |
| Target Compounds               |       |      |          |           |       |             |
| 32) Benzoic acid               | 9.84  | 122  | 80       | Below Cal |       | Qvalue # 28 |
| 83) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 159540   | 11.03     | ng    | 97          |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. -0.00 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Instrument :

BNA\_G

ClientSampleId :

BEM-7

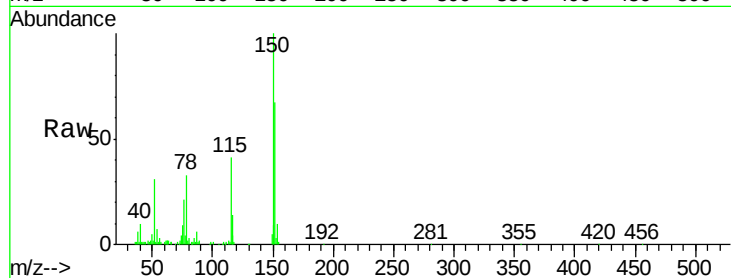
Tgt Ion:152 Resp: 53207

Ion Ratio Lower Upper

152 100

150 150.0 121.0 181.4

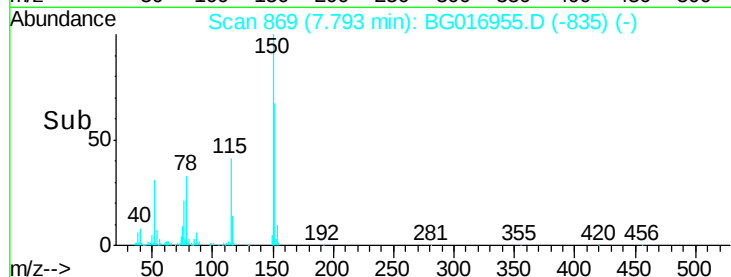
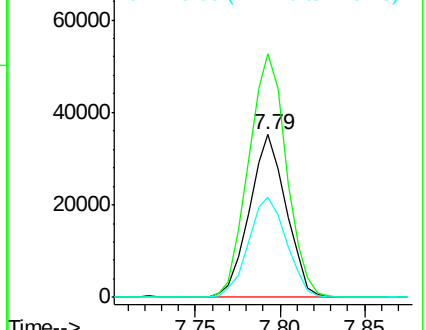
115 61.7 50.5 75.7



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: 57.32 ng

RT: 5.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

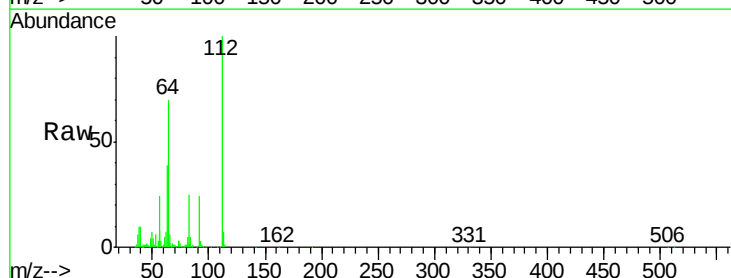
Tgt Ion:112 Resp: 175149

Ion Ratio Lower Upper

112 100

64 69.8 51.4 77.2

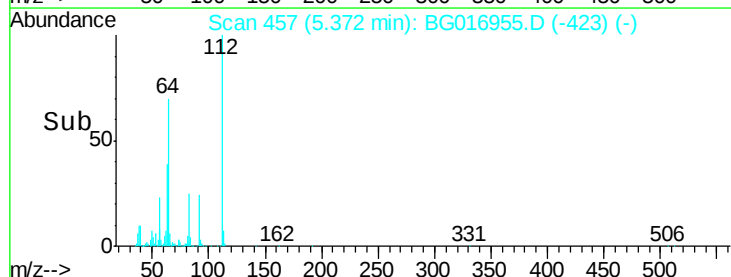
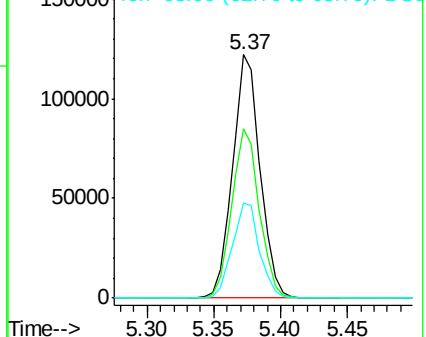
63 39.1 28.1 42.1

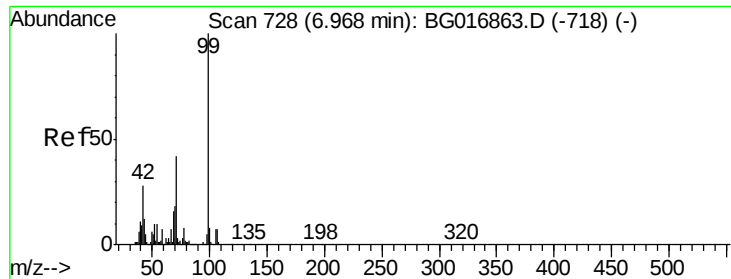


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 35.50 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Instrument :

BNA\_G

ClientSampleId :

BEM-7

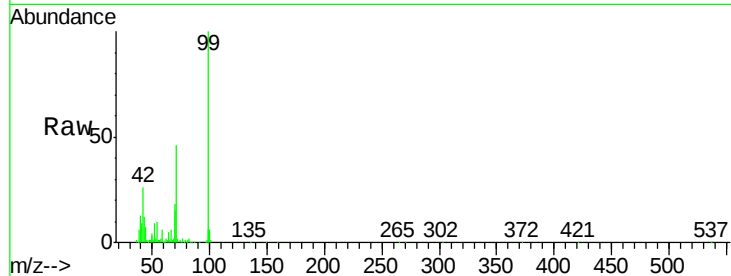
Tgt Ion: 99 Resp: 154975

Ion Ratio Lower Upper

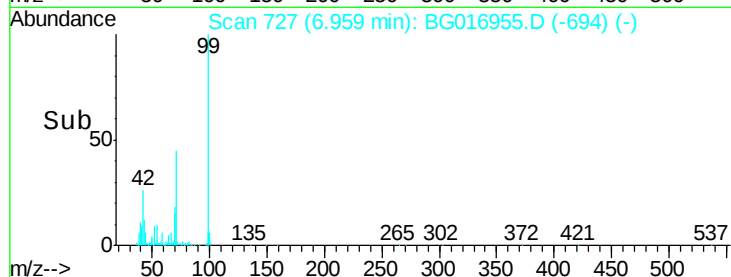
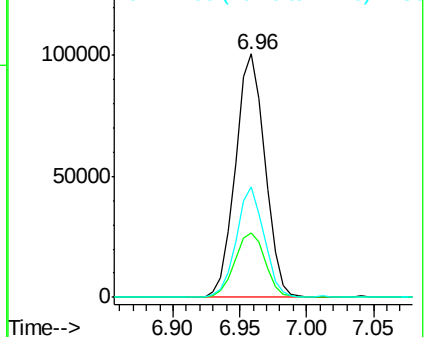
99 100

42 26.5 22.1 33.1

71 45.6 33.4 50.0



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: 10.58 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Tgt Ion: 136 Resp: 241575

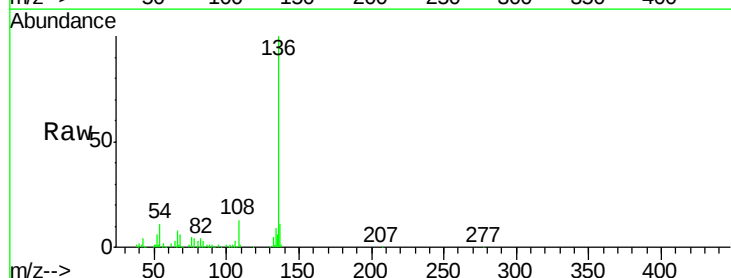
Ion Ratio Lower Upper

136 100

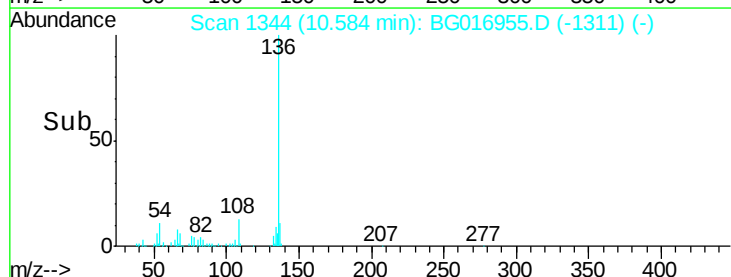
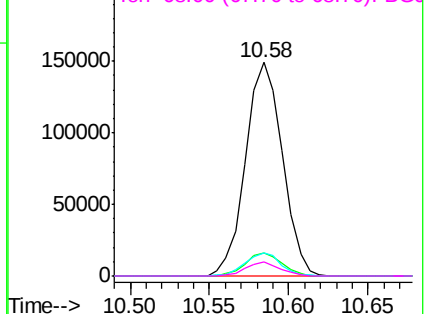
137 10.9 9.8 14.8

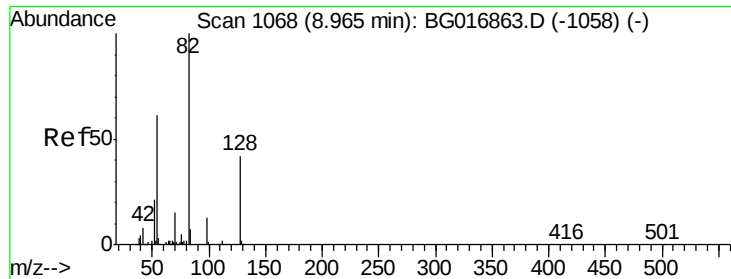
54 10.8 8.7 13.1

68 6.4 5.0 7.4



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

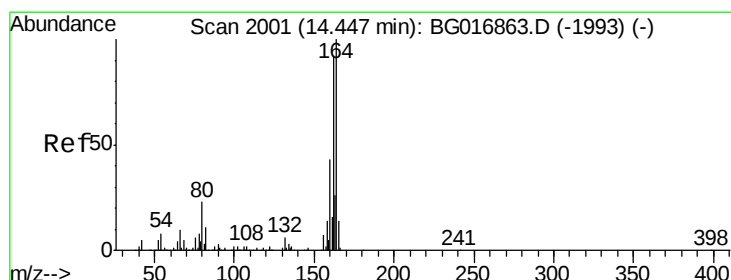
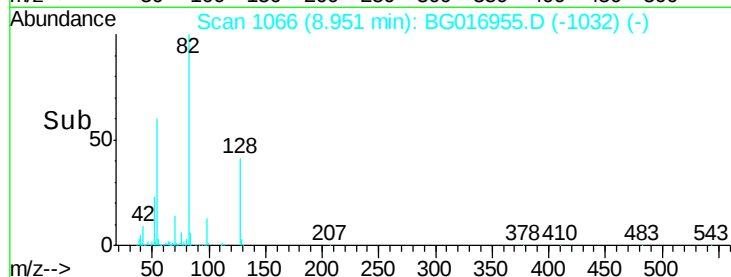
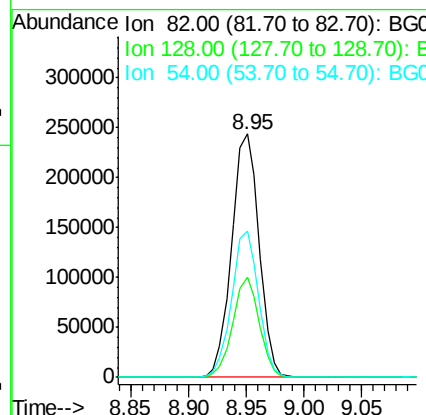
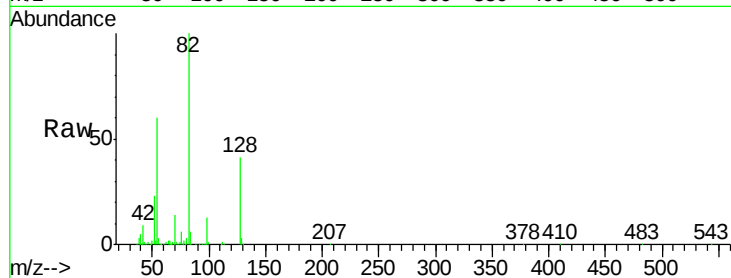




#23  
 Nitrobenzene-d5  
 Concen: 81.21 ng  
 RT: 8.95 min Scan# 1066  
 Delta R.T. -0.00 min  
 Lab File: BG016955.D  
 Acq: 8 May 2015 14:14

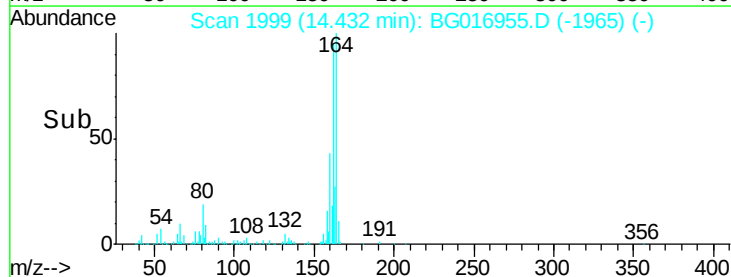
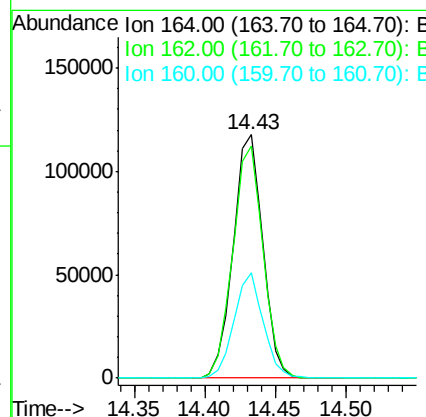
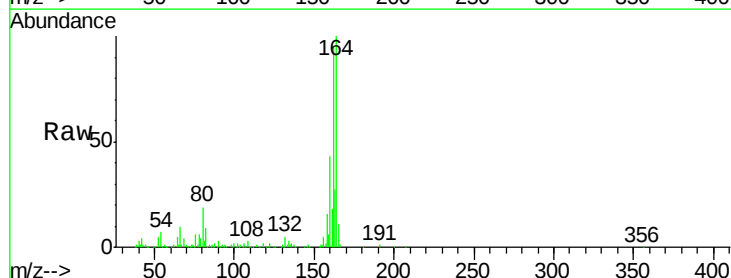
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEM-7

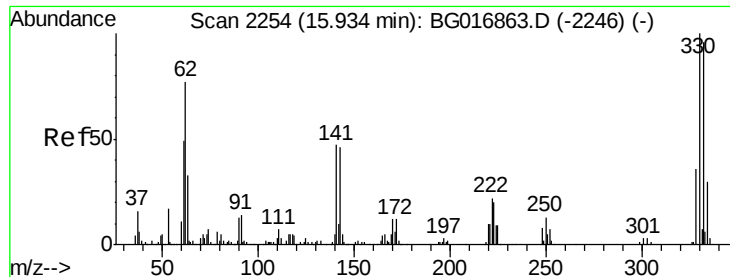
Tgt Ion: 82 Resp: 401572  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 33.2 49.8  
 54 60.0 48.6 72.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1999  
 Delta R.T. -0.00 min  
 Lab File: BG016955.D  
 Acq: 8 May 2015 14:14

Tgt Ion: 164 Resp: 171360  
 Ion Ratio Lower Upper  
 164 100  
 162 95.1 74.0 111.0  
 160 43.3 34.7 52.1

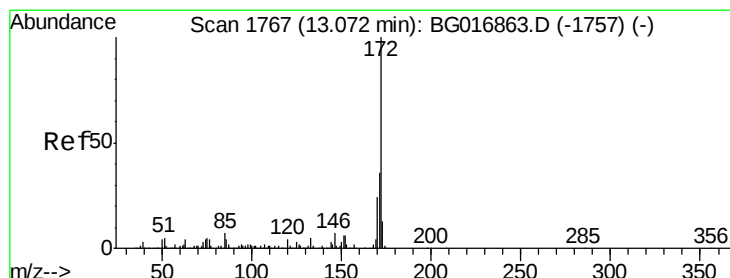
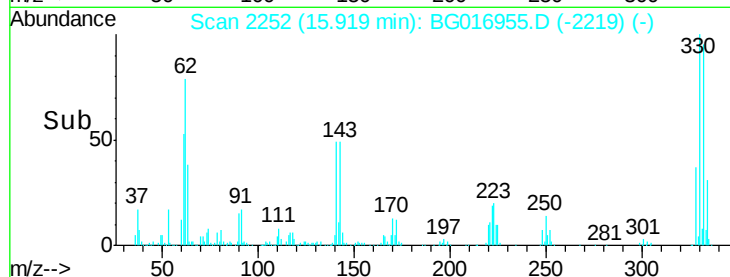
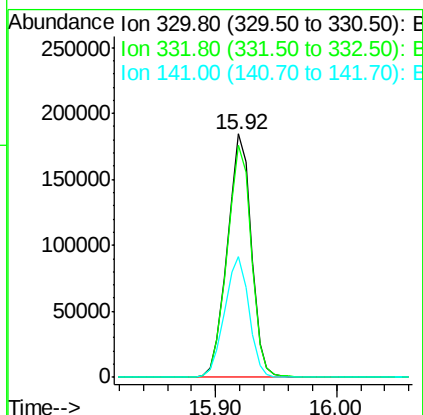
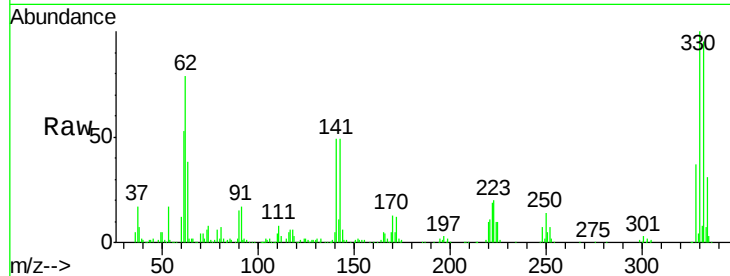




#41  
 2,4,6-Tribromophenol  
 Concen: 148.59 ng  
 RT: 15.92 min Scan# 2252  
 Delta R.T. -0.01 min  
 Lab File: BG016955.D  
 Acq: 8 May 2015 14:14

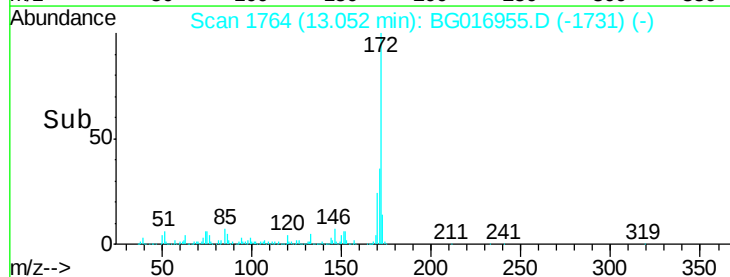
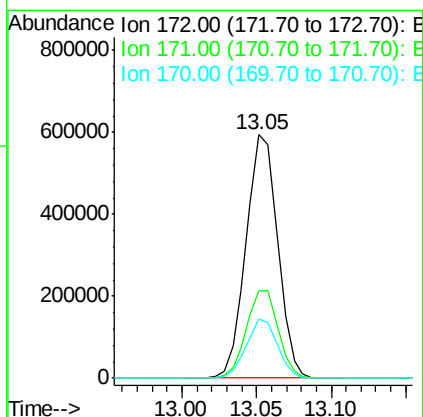
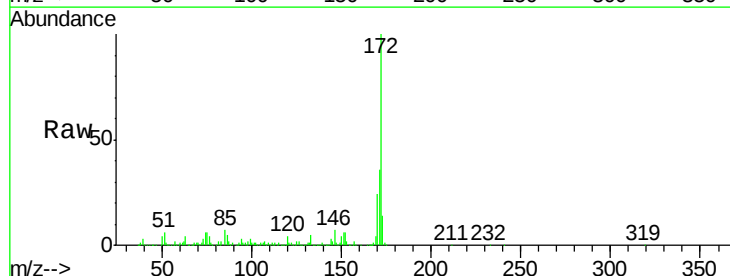
Instrument :  
 BNA\_G  
 ClientSampled :  
 BEM-7

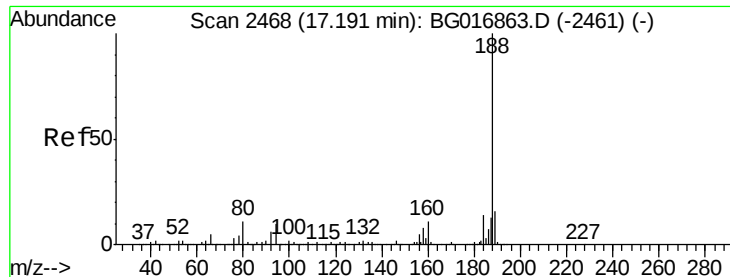
Tgt Ion:330 Resp: 255621  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 0.0 0.0#  
 141 50.0 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 76.70 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.01 min  
 Lab File: BG016955.D  
 Acq: 8 May 2015 14:14

Tgt Ion:172 Resp: 870997  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.0 43.4  
 170 24.5 19.0 28.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Instrument :

BNA\_G

ClientSampleId :

BEM-7

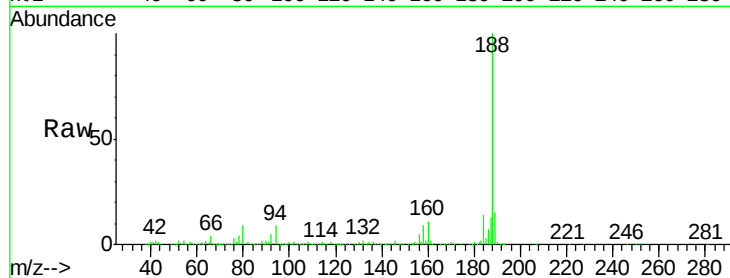
Tgt Ion:188 Resp: 391073

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

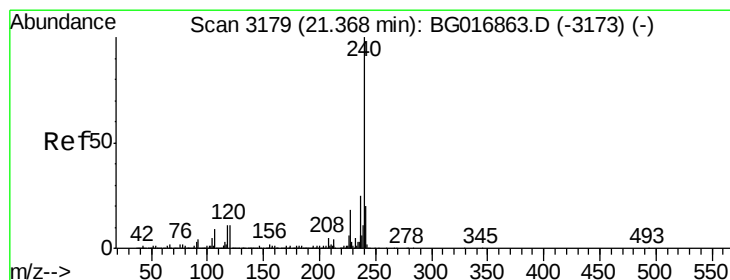
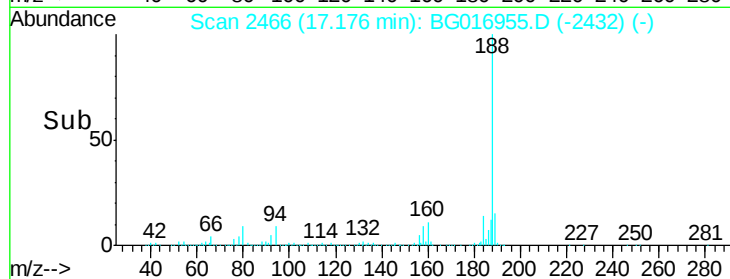
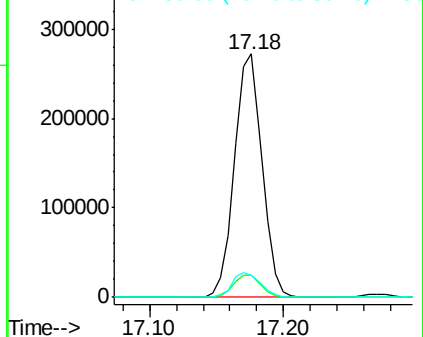
80 9.2 8.8 13.2



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: 21.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

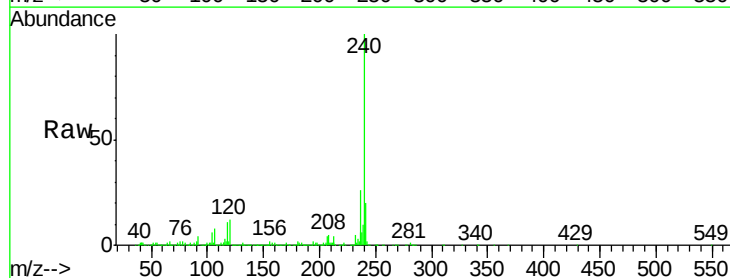
Tgt Ion:240 Resp: 376818

Ion Ratio Lower Upper

240 100

120 12.2 9.1 13.7

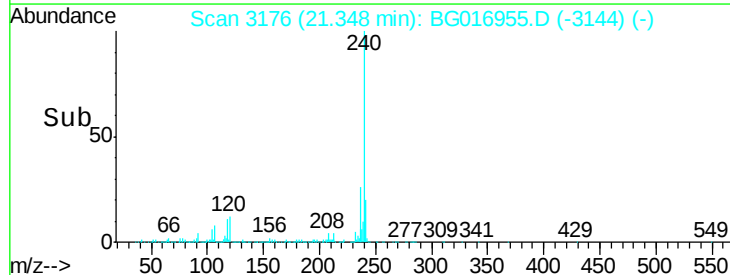
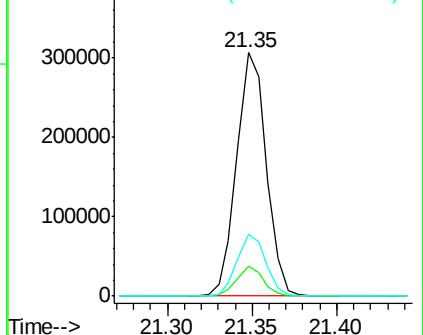
236 25.5 20.2 30.4

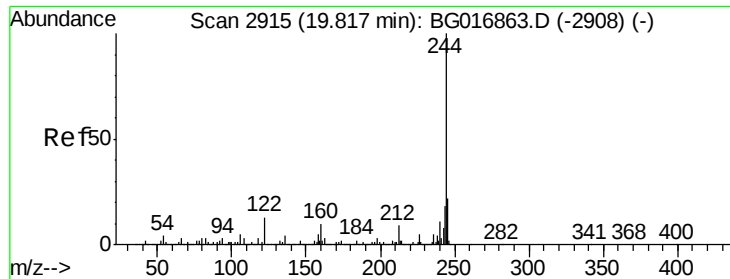


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.33 ng

RT: 19.80 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Instrument :

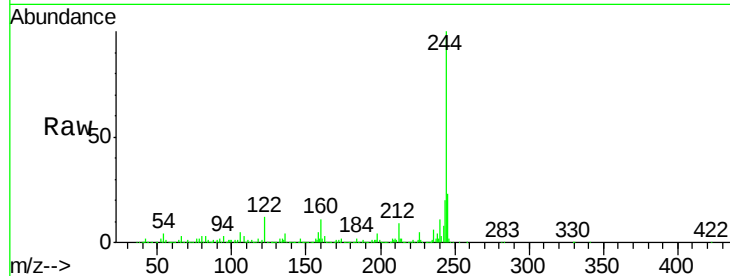
BNA\_G

ClientSampled :

BEM-7

Tgt Ion:244 Resp: 1339477

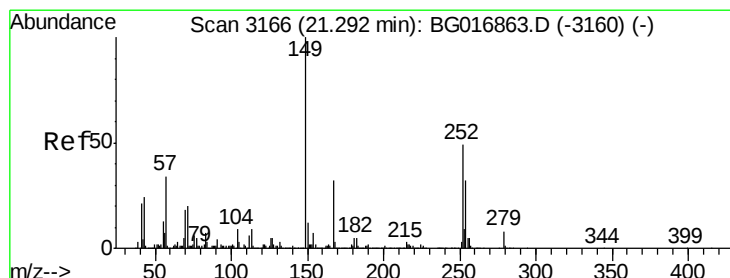
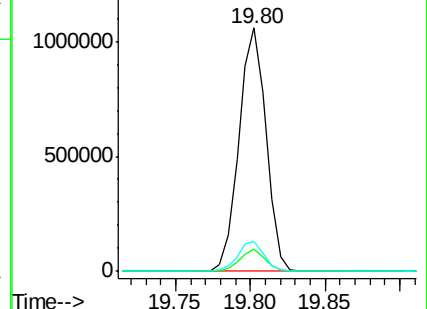
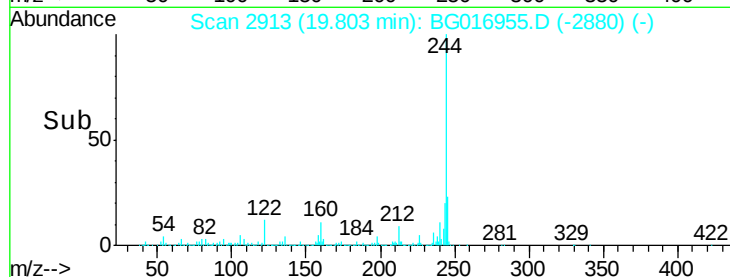
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.9   | 7.0   | 10.6  |
| 122 | 12.3  | 10.4  | 15.6  |



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 11.03 ng

RT: 21.27 min Scan# 3162

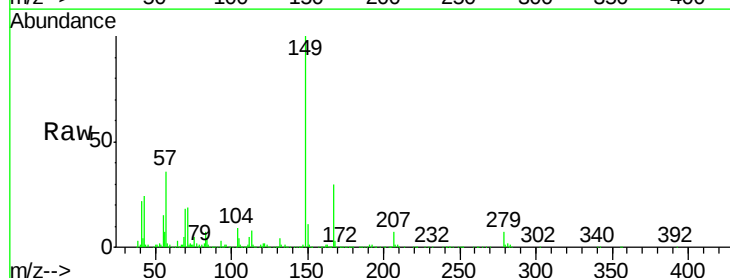
Delta R.T. -0.01 min

Lab File: BG016955.D

Acq: 8 May 2015 14:14

Tgt Ion:149 Resp: 159540

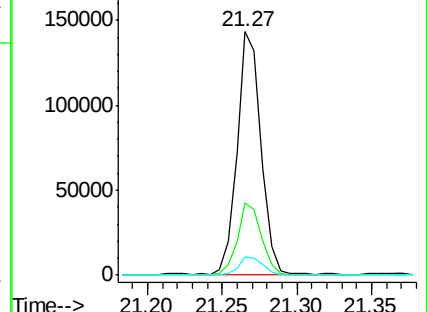
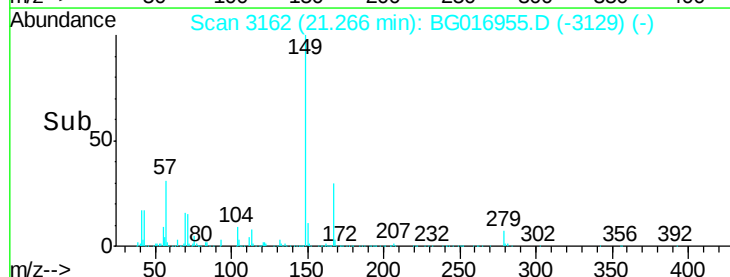
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.7  | 25.4  | 38.0  |
| 279 | 7.4   | 6.4   | 9.6   |

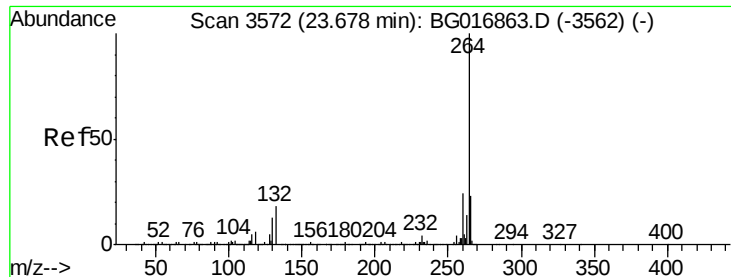


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.65 min Scan# 3567  
Delta R.T. -0.01 min  
Lab File: BG016955.D  
Acq: 8 May 2015 14:14

Instrument :  
BNA\_G  
ClientSampleId :  
BEM-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.5  | 29.3  |
| 265     | 21.9  | 18.5  | 27.7  |

