

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062716\  
 Data File : BG022652.D  
 Acq On : 27 Jun 2016 21:18  
 Operator : UM/SJ  
 Sample : PB91595TB  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91595TB

Quant Time: Jun 28 01:09:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 20:14:59 2016  
 Response via : Initial Calibration

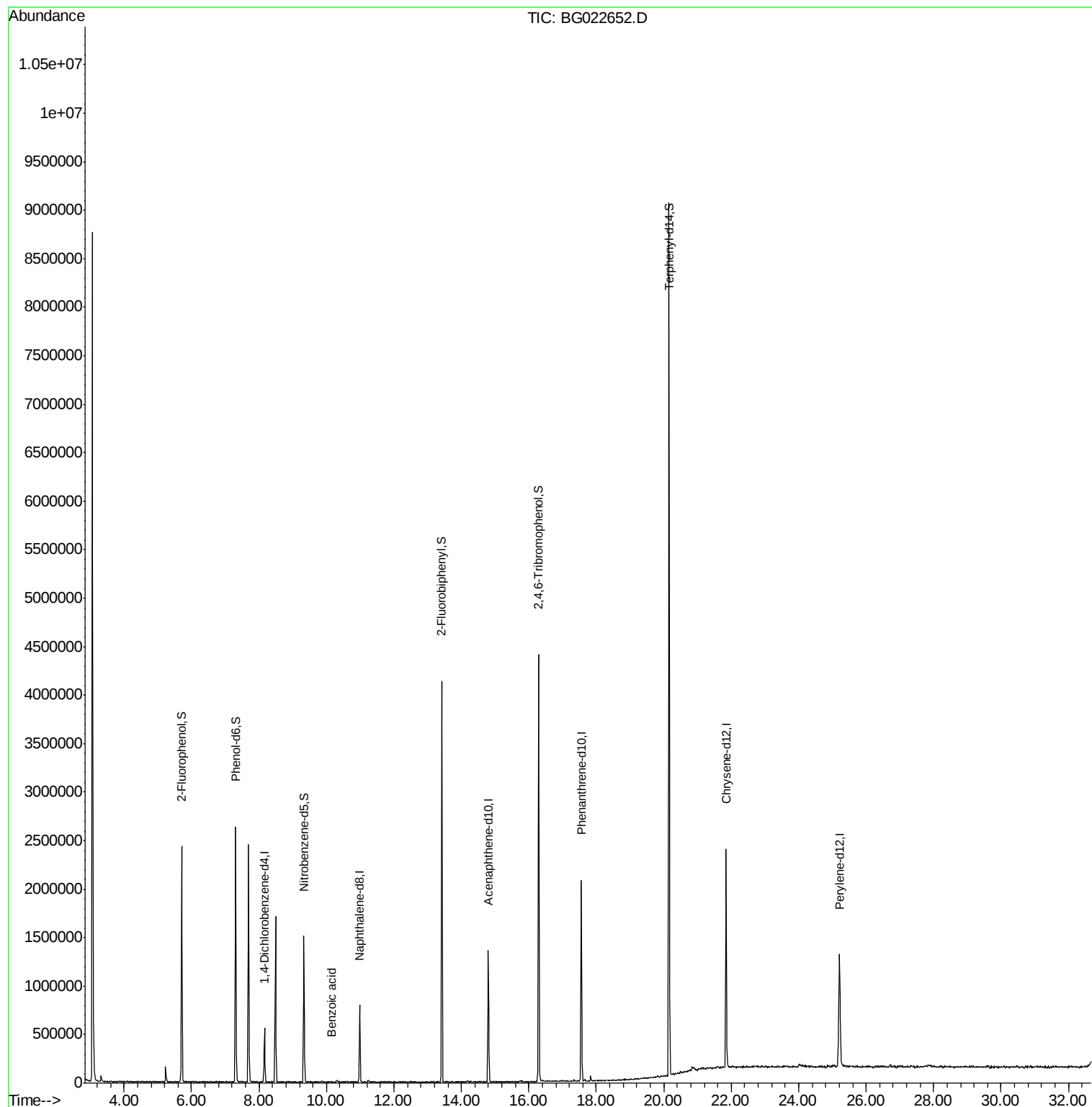
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 143444   | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 10.99 | 136  | 621564   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 14.80 | 164  | 461923   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 17.56 | 188  | 1269232  | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 21.85 | 240  | 1421562  | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 25.21 | 264  | 1401278  | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.70  | 112  | 957257   | 107.04 | ng    | 0.00          |
| 7) Phenol-d6                | 7.31  | 99   | 1432166  | 113.61 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 977102   | 66.53  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 826569   | 113.77 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1963023  | 67.39  | ng    | 0.00          |
| 78) Terphenyl-d14           | 20.16 | 244  | 3105431  | 57.88  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 32) Benzoic acid            | 10.17 | 122  | 136      | 5.13   | ng    | Qvalue<br># 1 |

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

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062516.M  
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QLast Update : Fri Jun 24 20:14:59 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

Instrument :

BNA\_G

ClientSampleId :

PB91595TB

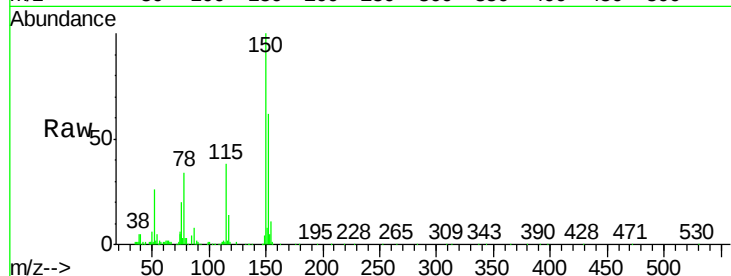
Tgt Ion:152 Resp: 143444

Ion Ratio Lower Upper

152 100

150 162.0 144.7 217.1

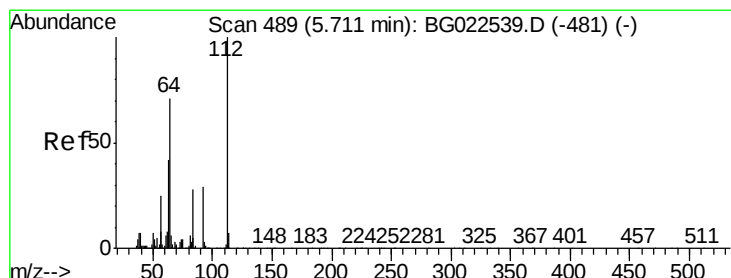
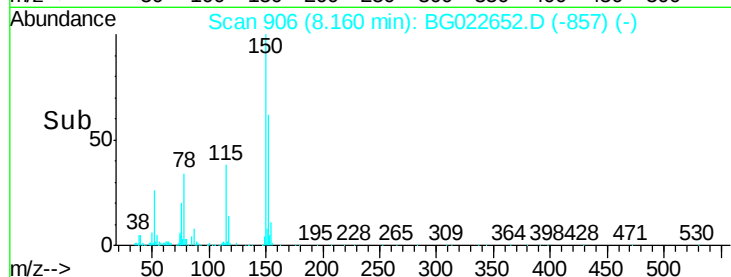
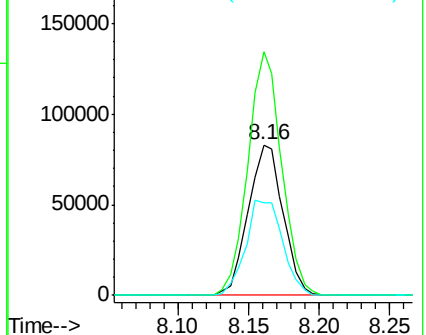
115 61.3 64.0 96.0#



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: 107.04 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

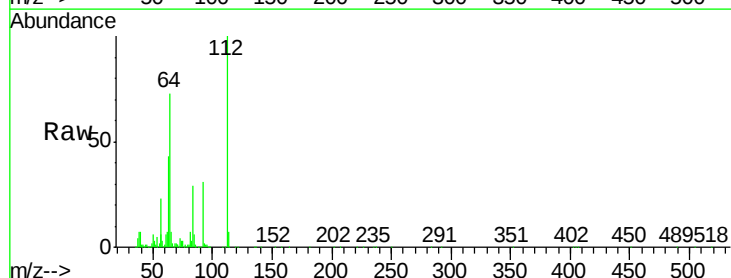
Tgt Ion:112 Resp: 957257

Ion Ratio Lower Upper

112 100

64 73.0 59.0 88.4

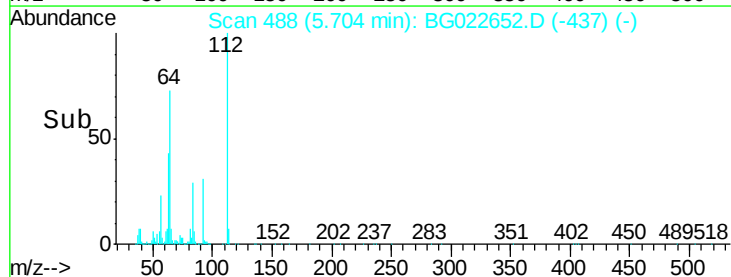
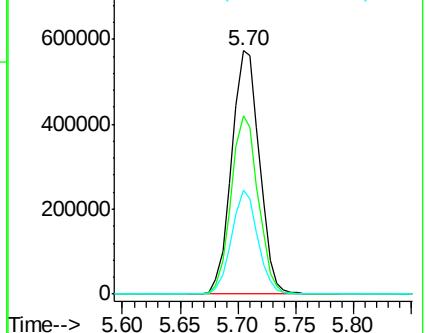
63 42.8 37.8 56.8



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: 113.61 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

Instrument :

BNA\_G

ClientSampled :

PB91595TB

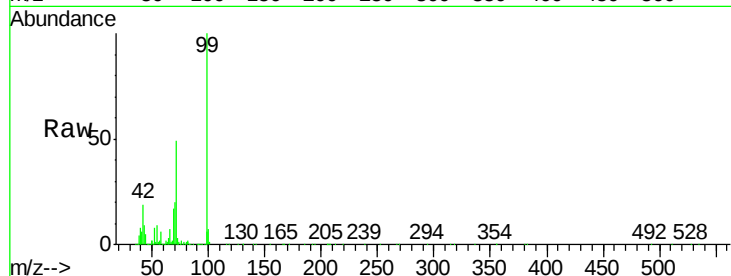
Tgt Ion: 99 Resp: 1432166

Ion Ratio Lower Upper

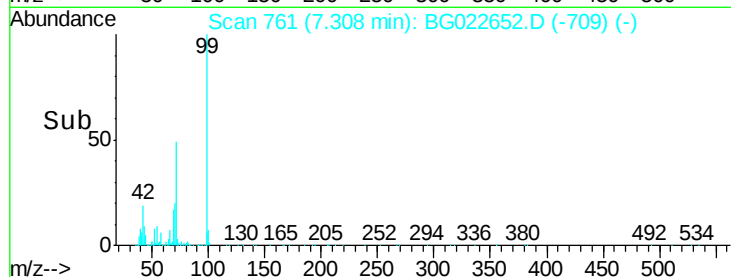
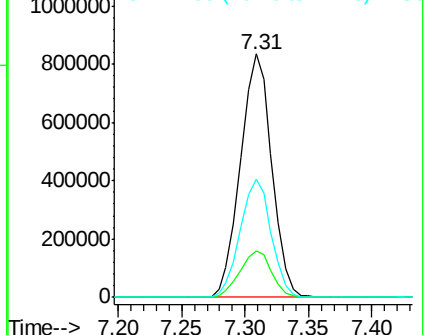
99 100

42 18.9 17.8 26.6

71 48.6 41.5 62.3



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: 10.99 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

Tgt Ion: 136 Resp: 621564

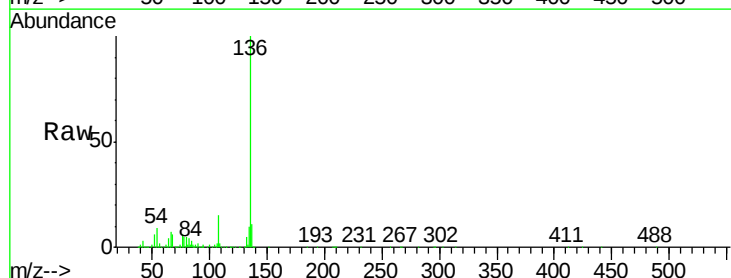
Ion Ratio Lower Upper

136 100

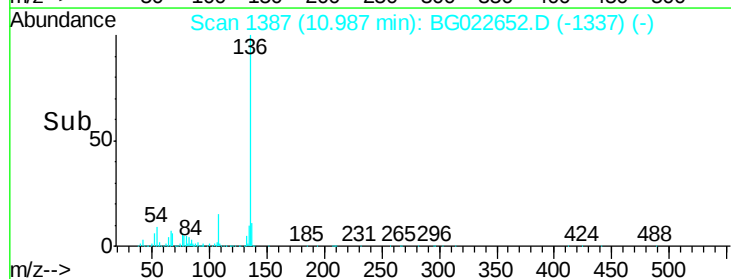
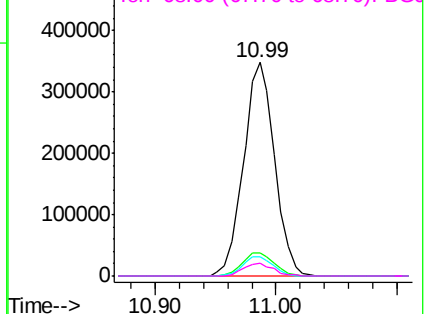
137 10.7 9.6 14.4

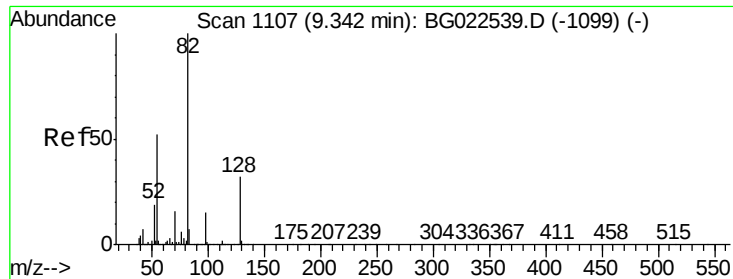
54 8.8 7.3 10.9

68 6.1 5.3 7.9



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

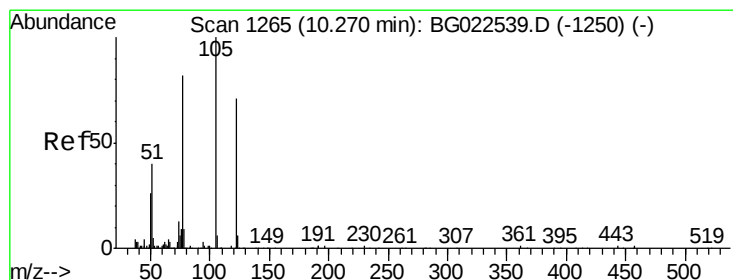
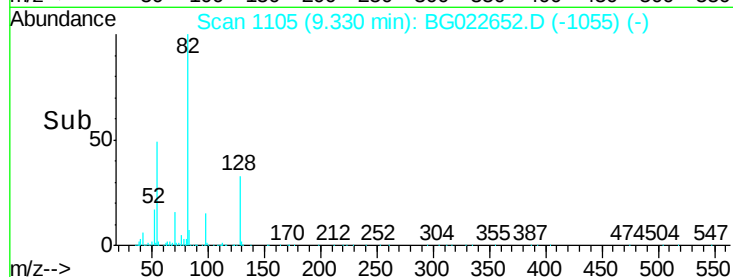
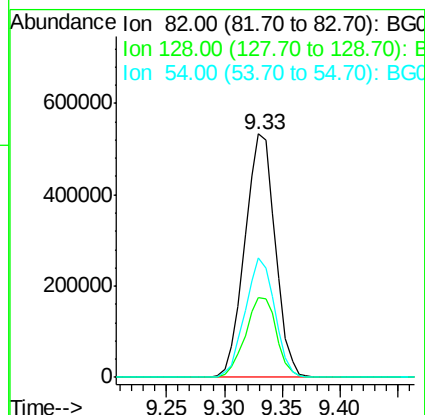
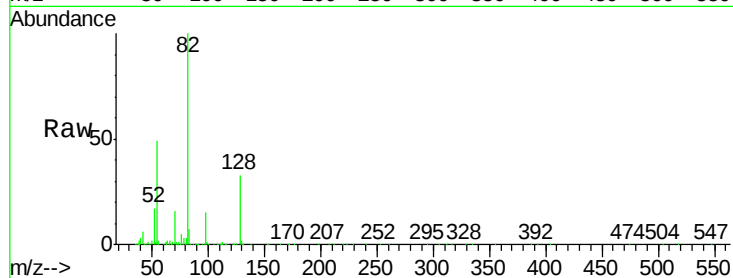




#23  
Nitrobenzene-d5  
Concen: 66.53 ng  
RT: 9.33 min Scan# 1105  
Delta R.T. -0.01 min  
Lab File: BG022652.D  
Acq: 27 Jun 2016 21:18

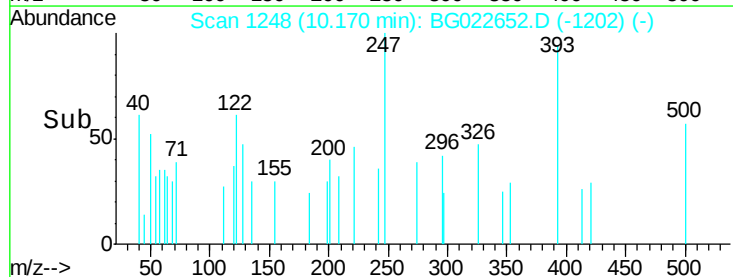
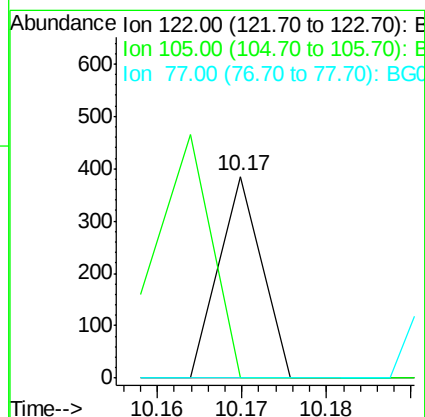
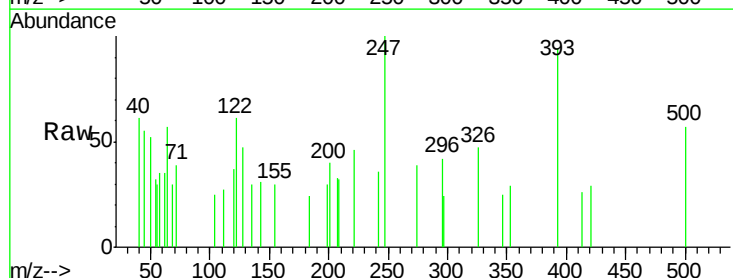
Instrument :  
BNA\_G  
ClientSampleId :  
PB91595TB

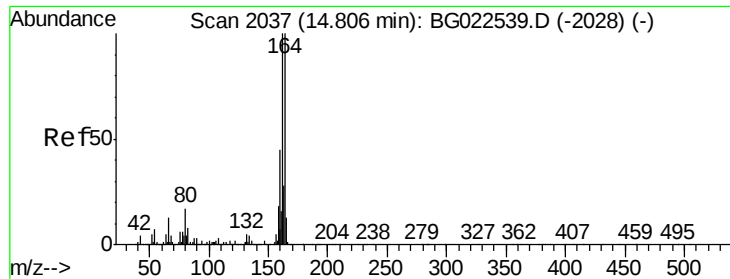
Tgt Ion: 82 Resp: 977102  
Ion Ratio Lower Upper  
82 100  
128 32.5 24.4 36.6  
54 48.9 41.4 62.0



#32  
Benzoic acid  
Concen: 5.13 ng  
RT: 10.17 min Scan# 1248  
Delta R.T. -0.03 min  
Lab File: BG022652.D  
Acq: 27 Jun 2016 21:18

Tgt Ion: 122 Resp: 136  
Ion Ratio Lower Upper  
122 100  
105 0.0 117.2 157.2#  
77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

Instrument :

BNA\_G

ClientSampleId :

PB91595TB

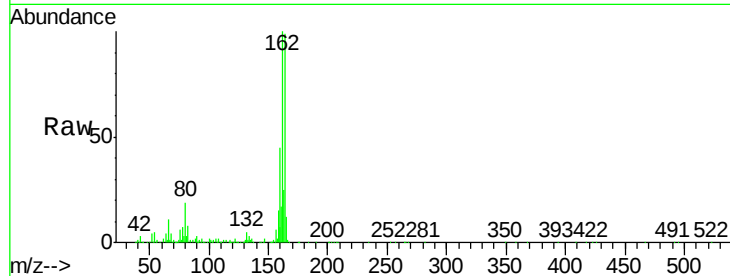
Tgt Ion:164 Resp: 461923

Ion Ratio Lower Upper

164 100

162 100.9 87.7 131.5

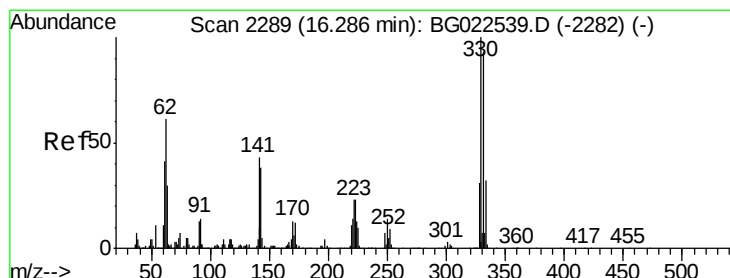
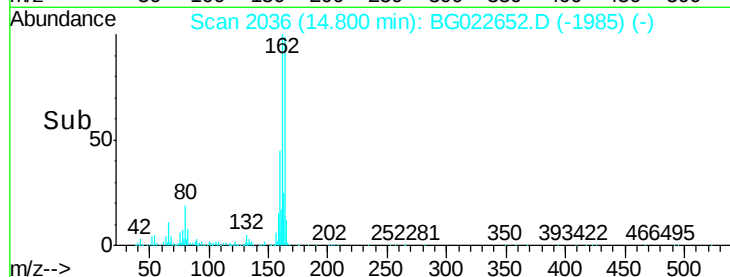
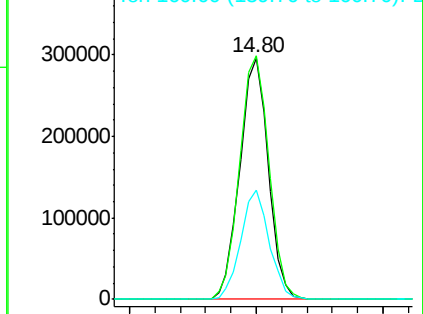
160 45.1 37.2 55.8



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: 113.77 ng

RT: 16.29 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

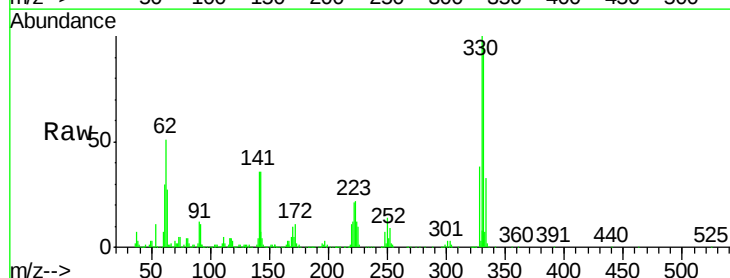
Tgt Ion:330 Resp: 826569

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

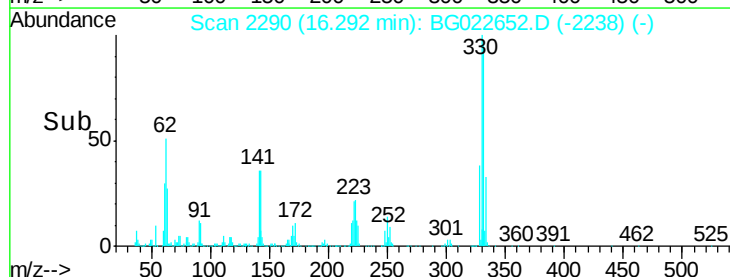
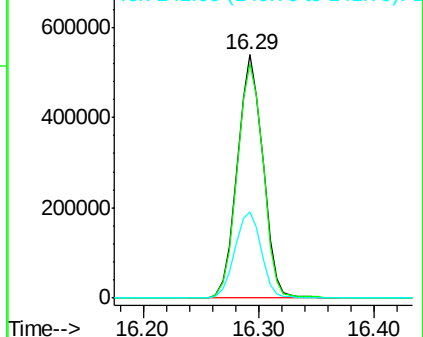
141 36.7 31.7 47.5

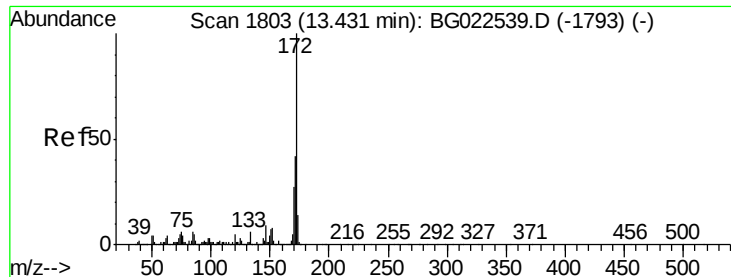


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

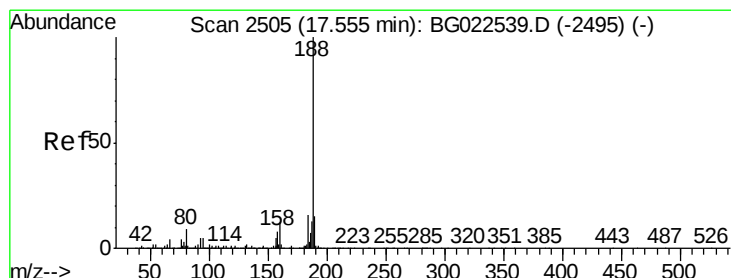
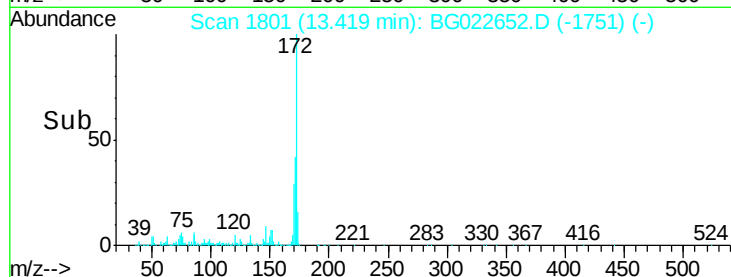
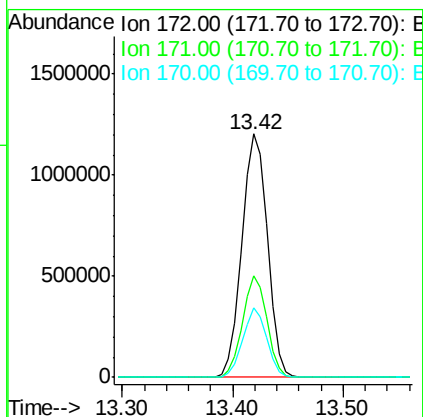
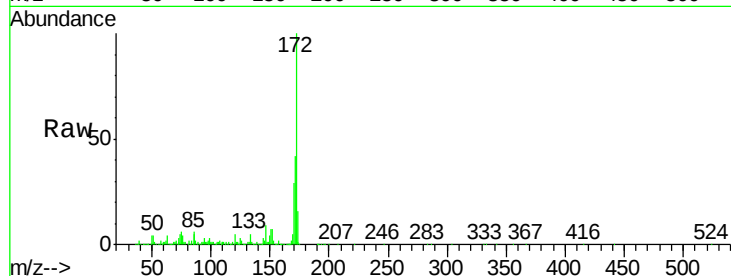




#44  
2-Fluorobiphenyl  
Concen: 67.39 ng  
RT: 13.42 min Scan# 1801  
Delta R.T. -0.01 min  
Lab File: BG022652.D  
Acq: 27 Jun 2016 21:18

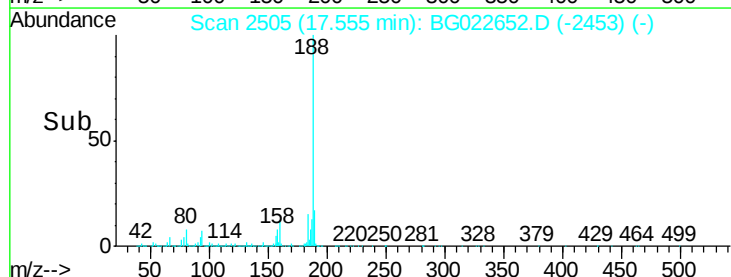
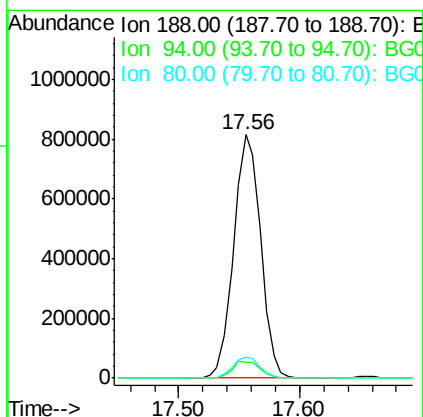
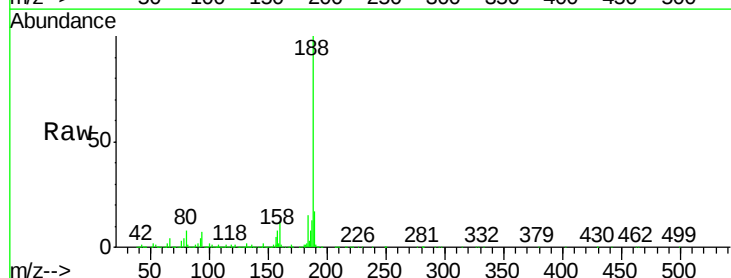
Instrument :  
BNA\_G  
ClientSampleId :  
PB91595TB

Tgt Ion:172 Resp: 1963023  
Ion Ratio Lower Upper  
172 100  
171 41.7 31.6 47.4  
170 28.8 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. 0.01 min  
Lab File: BG022652.D  
Acq: 27 Jun 2016 21:18

Tgt Ion:188 Resp: 1269232  
Ion Ratio Lower Upper  
188 100  
94 6.6 5.2 7.8  
80 8.5 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

Instrument :

BNA\_G

ClientSampleId :

PB91595TB

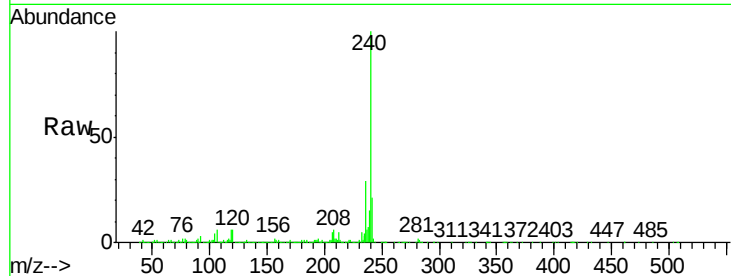
Tgt Ion:240 Resp: 1421562

Ion Ratio Lower Upper

240 100

120 6.1 4.1 6.1

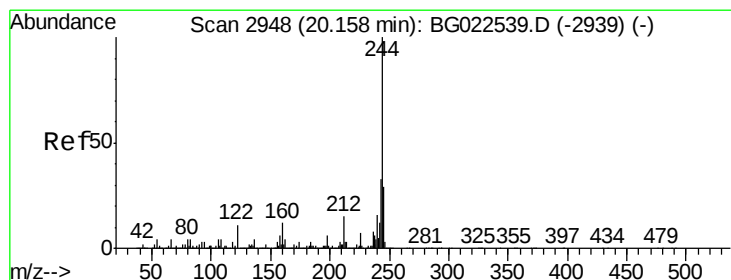
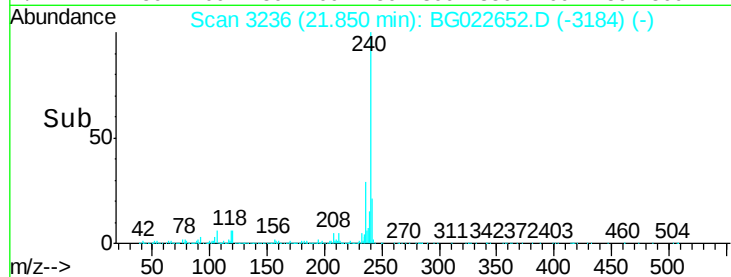
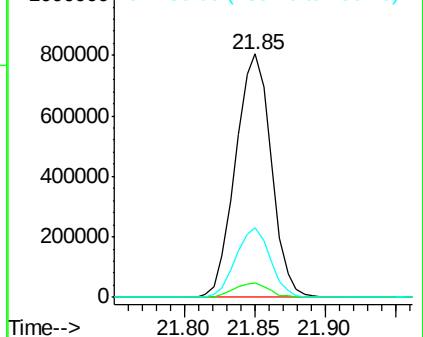
236 28.5 21.1 31.7



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: 57.88 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022652.D

Acq: 27 Jun 2016 21:18

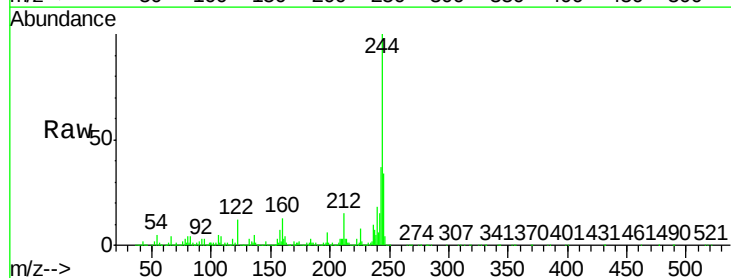
Tgt Ion:244 Resp: 3105431

Ion Ratio Lower Upper

244 100

212 15.4 10.8 16.2

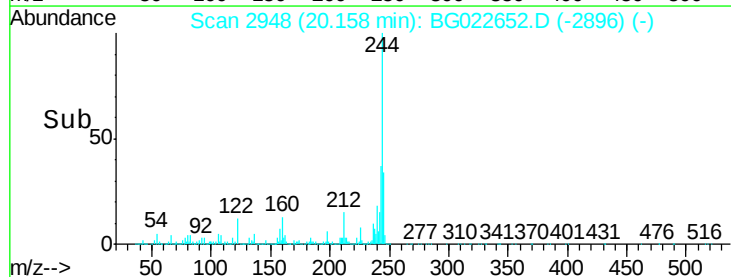
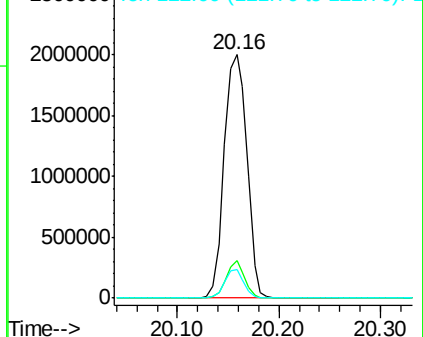
122 11.7 8.0 12.0

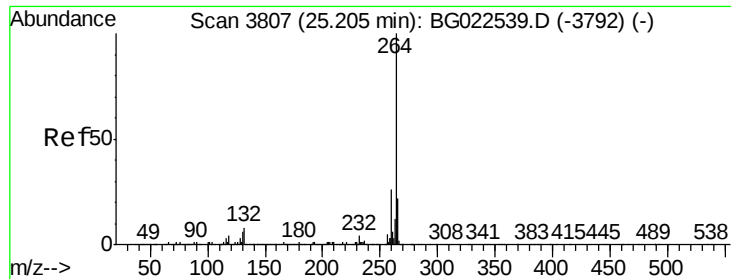


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3808  
Delta R.T. 0.01 min  
Lab File: BG022652.D  
Acq: 27 Jun 2016 21:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB91595TB

Tgt Ion: 264 Resp: 1401278  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.8  | 18.4  | 27.6  |
| 265 | 22.7  | 18.9  | 28.3  |

