

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032615\  
 Data File : BG016164.D  
 Acq On : 27 Mar 2015 6:13  
 Operator : TP/IZ  
 Sample : G1653-11  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB

Quant Time: Mar 27 15:44:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 26 15:24:59 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 48363    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.57 | 136  | 210477   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.42 | 164  | 135027   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.15 | 188  | 306465   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.32 | 240  | 315225   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.61 | 264  | 306671   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 189290   | 65.51  | ng    | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 156480   | 38.90  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 339588   | 100.04 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.90 | 330  | 261713   | 168.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.04 | 172  | 855445   | 106.05 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.77 | 244  | 1324496  | 105.82 | ng    | 0.00     |

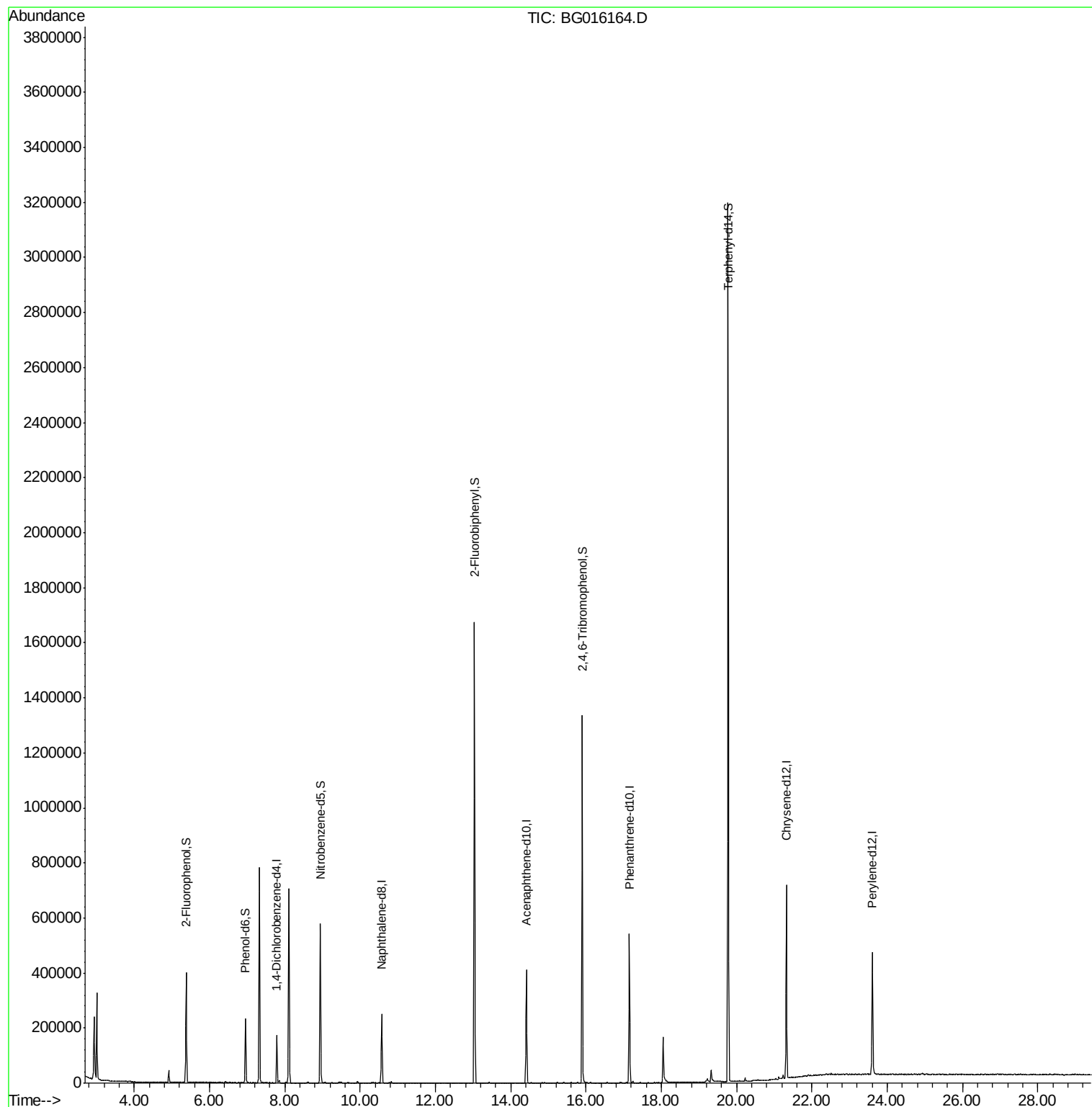
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

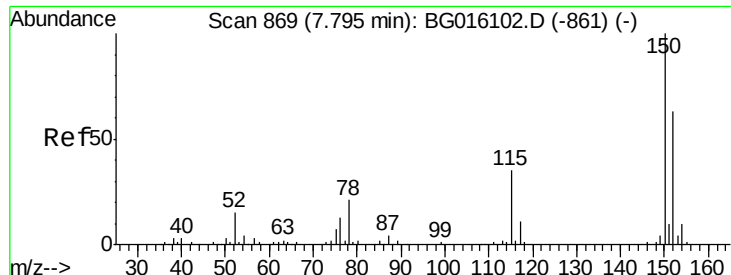
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FB

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 26 15:24:59 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.01 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

Instrument :

BNA\_G

ClientSampleId :

FB

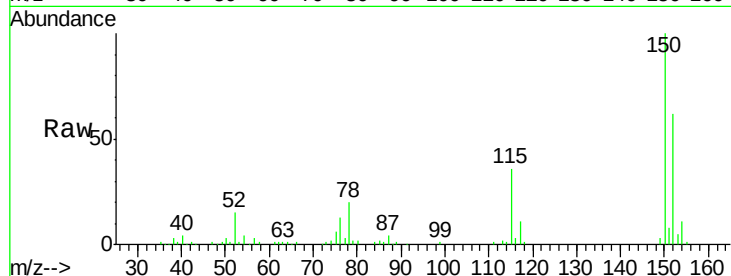
Tgt Ion:152 Resp: 48363

Ion Ratio Lower Upper

152 100

150 162.5 126.1 189.1

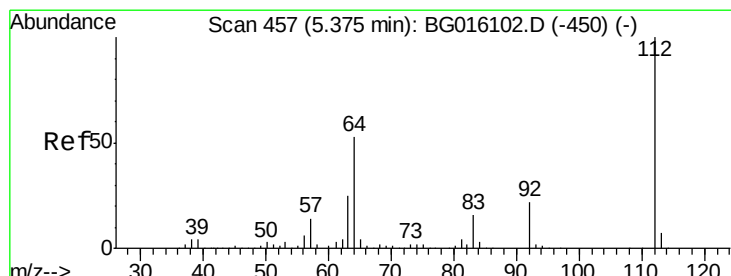
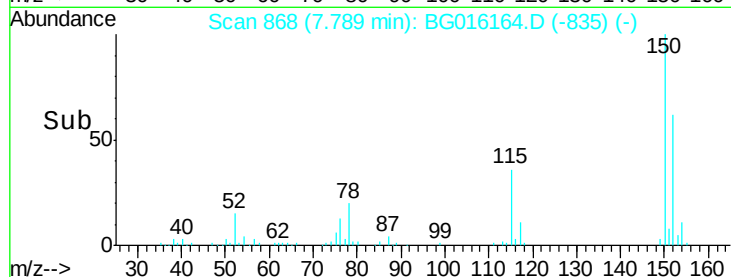
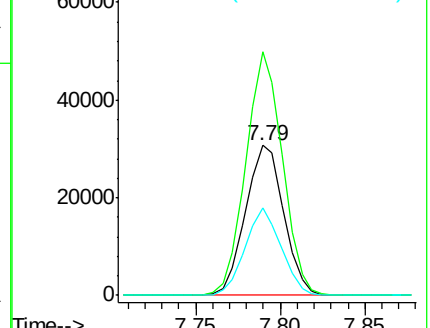
115 58.4 43.7 65.5



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: 65.51 ng

RT: 5.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

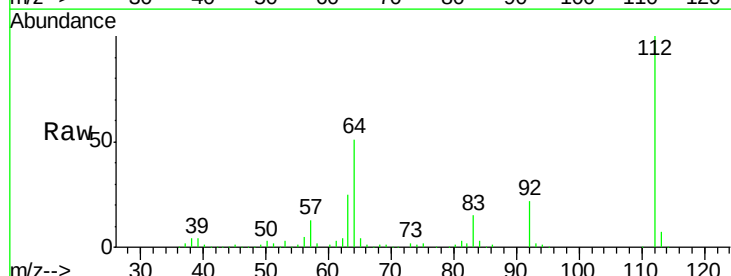
Tgt Ion:112 Resp: 189290

Ion Ratio Lower Upper

112 100

64 51.3 42.6 64.0

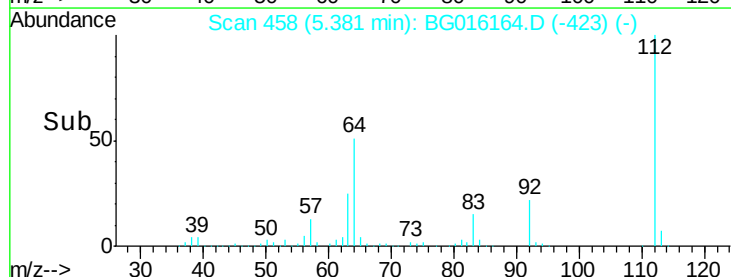
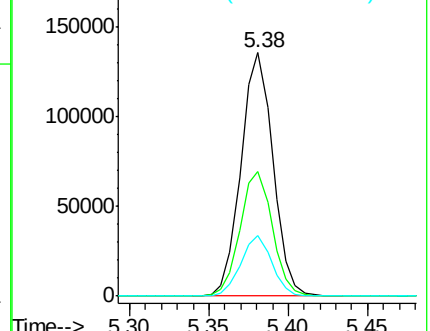
63 25.1 19.9 29.9

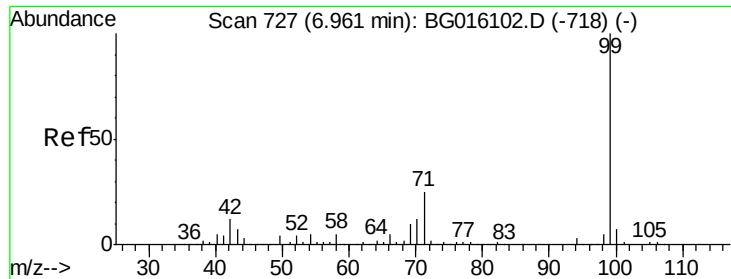


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 38.90 ng

RT: 6.96 min Scan# 726

Delta R.T. -0.00 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

Instrument :

BNA\_G

ClientSampleId :

FB

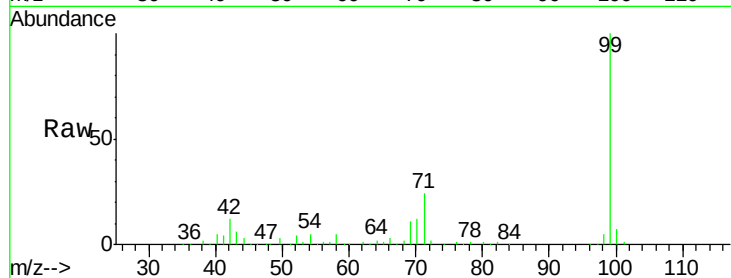
Tgt Ion: 99 Resp: 156480

Ion Ratio Lower Upper

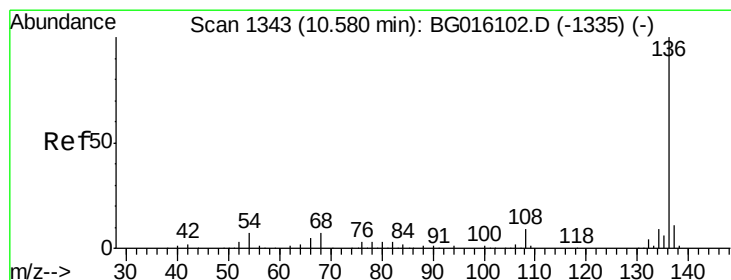
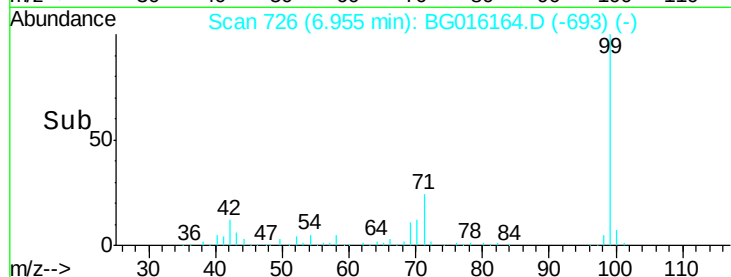
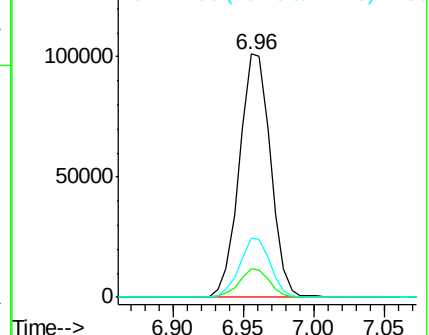
99 100

42 11.9 9.4 14.0

71 24.3 19.9 29.9



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: 10.57 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

Tgt Ion: 136 Resp: 210477

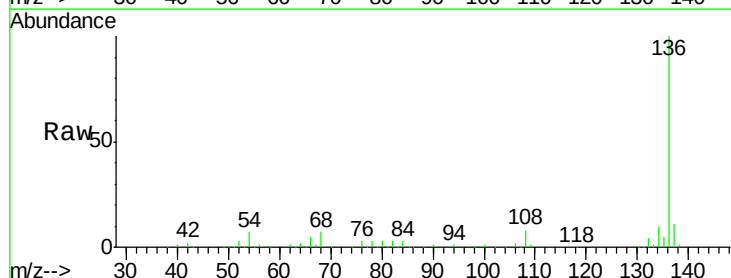
Ion Ratio Lower Upper

136 100

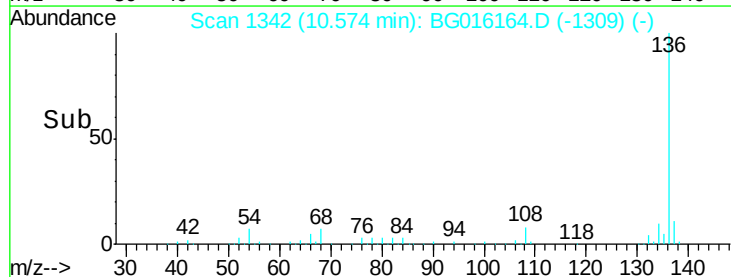
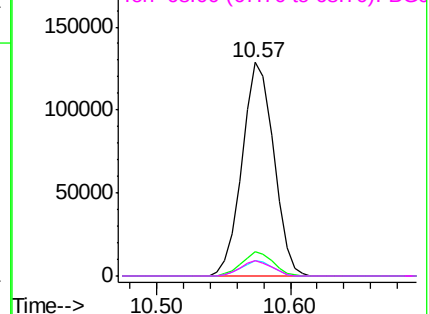
137 11.4 9.0 13.4

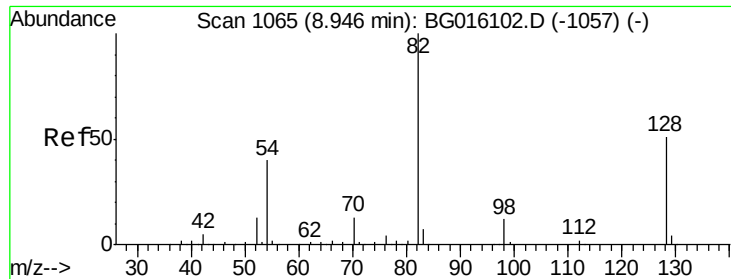
54 7.2 5.5 8.3

68 7.1 6.0 9.0



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

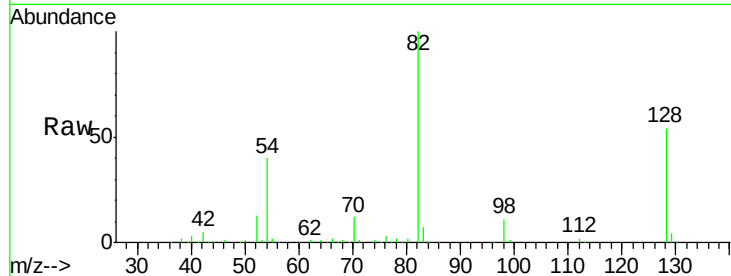




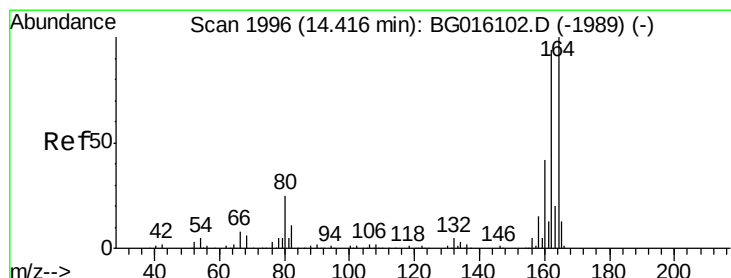
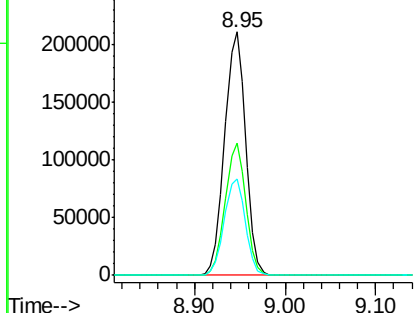
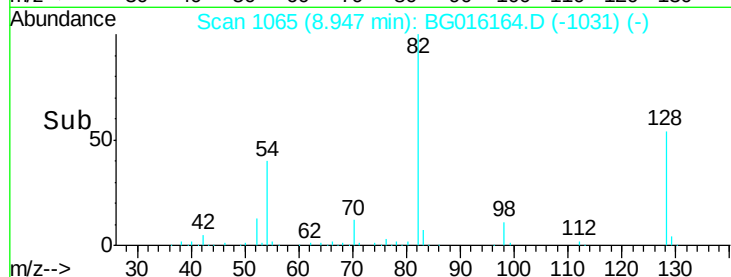
#23  
 Nitrobenzene-d5  
 Concen: 100.04 ng  
 RT: 8.95 min Scan# 1065  
 Delta R.T. 0.00 min  
 Lab File: BG016164.D  
 Acq: 27 Mar 2015 6:13

Instrument :  
 BNA\_G  
 ClientSampled :  
 FB

Tgt Ion: 82 Resp: 339588  
 Ion Ratio Lower Upper  
 82 100  
 128 54.1 40.4 60.6  
 54 39.8 32.1 48.1

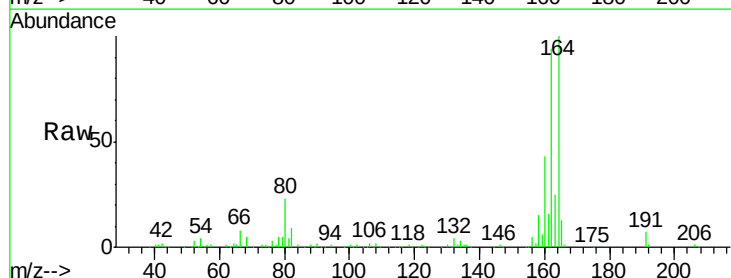


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

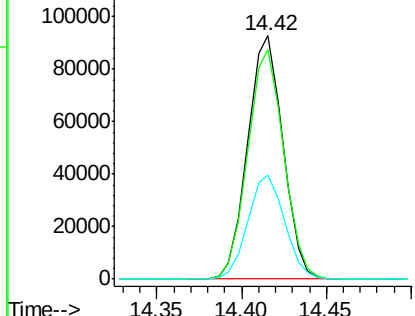
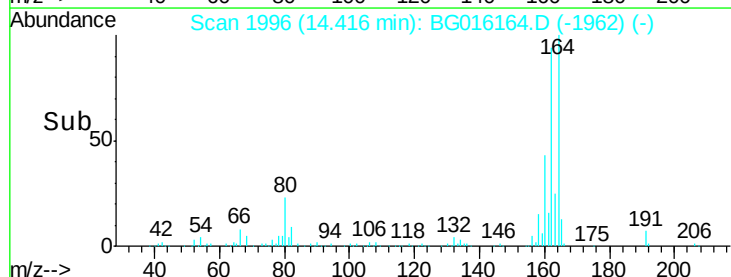


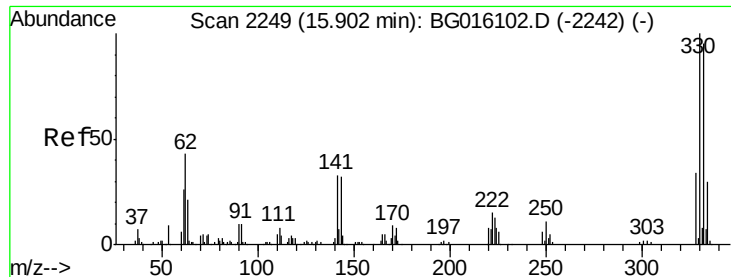
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.42 min Scan# 1996  
 Delta R.T. 0.00 min  
 Lab File: BG016164.D  
 Acq: 27 Mar 2015 6:13

Tgt Ion: 164 Resp: 135027  
 Ion Ratio Lower Upper  
 164 100  
 162 94.4 75.2 112.8  
 160 42.6 33.9 50.9



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 168.79 ng

RT: 15.90 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

Instrument :

BNA\_G

ClientSampled :

FB

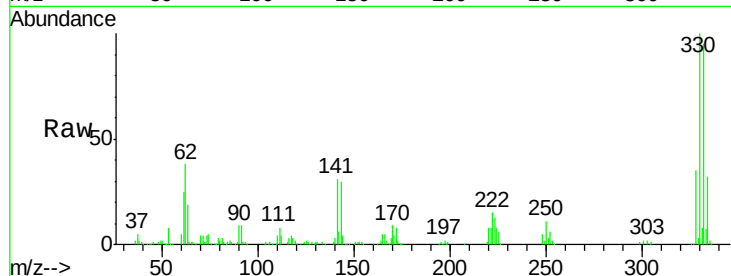
Tgt Ion:330 Resp: 261713

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

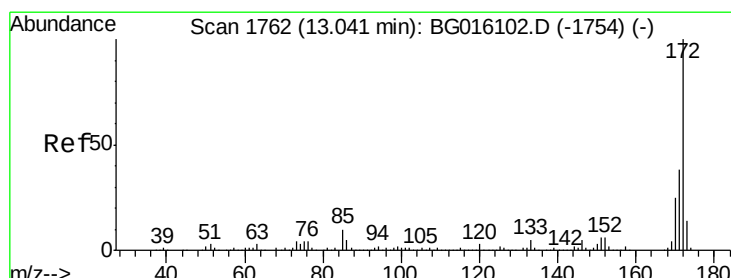
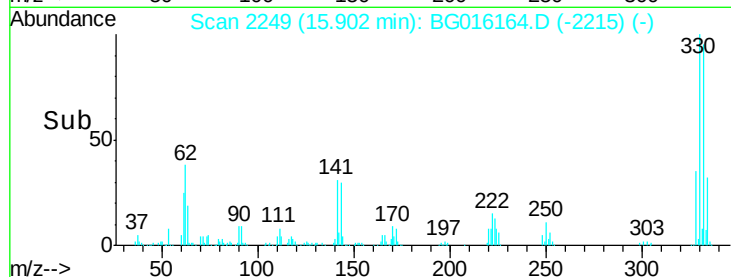
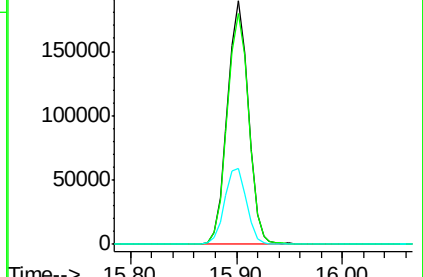
141 32.6 26.2 39.4



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: 106.05 ng

RT: 13.04 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

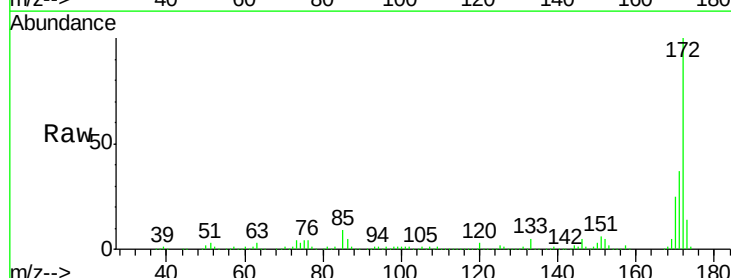
Tgt Ion:172 Resp: 855445

Ion Ratio Lower Upper

172 100

171 37.0 30.3 45.5

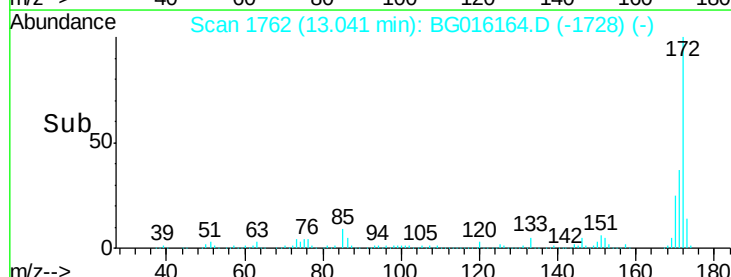
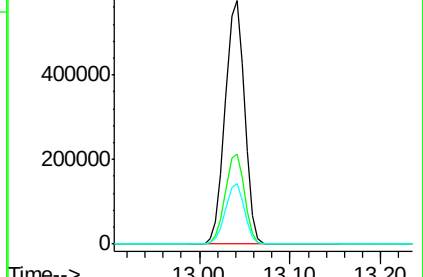
170 24.7 19.8 29.8

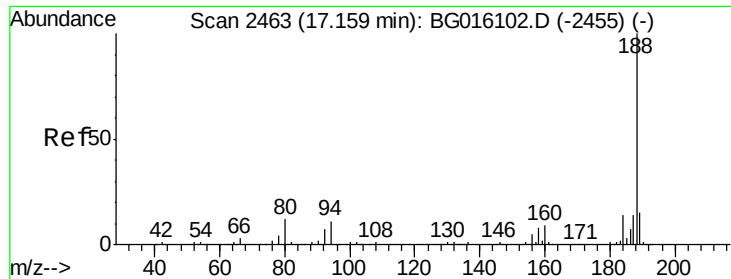


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

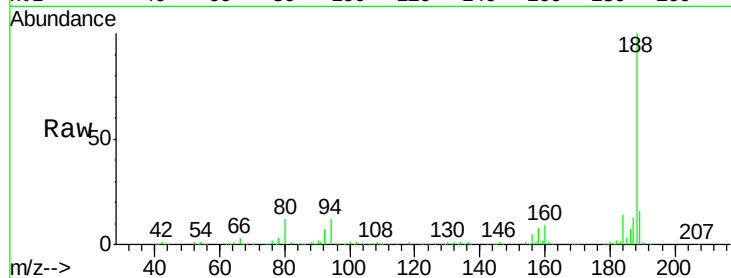




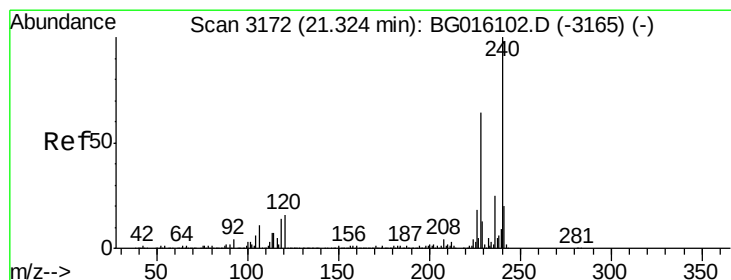
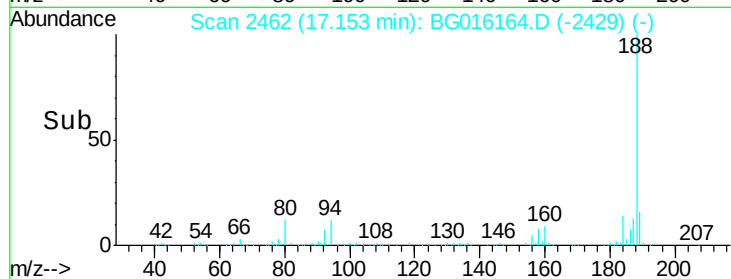
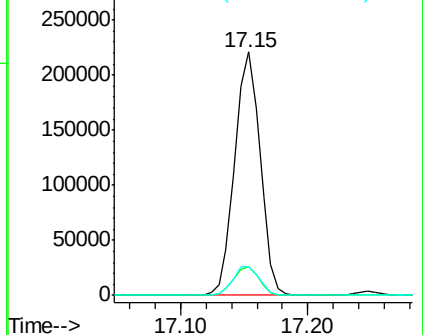
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.15 min Scan# 2462  
Delta R.T. -0.01 min  
Lab File: BG016164.D  
Acq: 27 Mar 2015 6:13

Instrument :  
BNA\_G  
ClientSampled :  
FB

Tgt Ion:188 Resp: 306465  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.1 13.7  
80 11.6 9.8 14.8

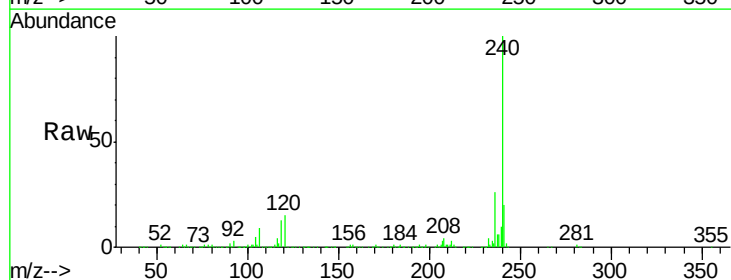


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

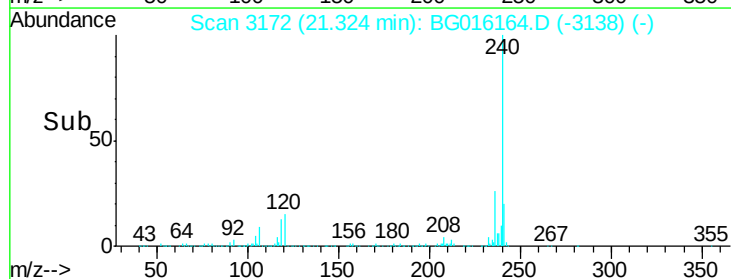
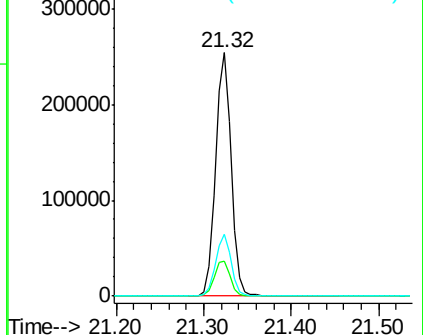


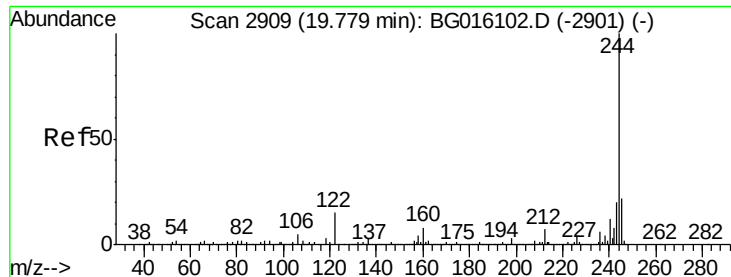
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.32 min Scan# 3172  
Delta R.T. 0.00 min  
Lab File: BG016164.D  
Acq: 27 Mar 2015 6:13

Tgt Ion:240 Resp: 315225  
Ion Ratio Lower Upper  
240 100  
120 14.6 13.0 19.4  
236 25.7 20.2 30.2



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: 105.82 ng

RT: 19.77 min Scan# 2908

Delta R.T. -0.00 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

Instrument :

BNA\_G

ClientSampleId :

FB

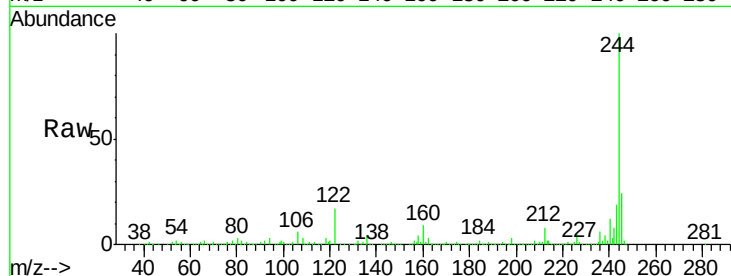
Tgt Ion:244 Resp: 1324496

Ion Ratio Lower Upper

244 100

212 8.1 5.9 8.9

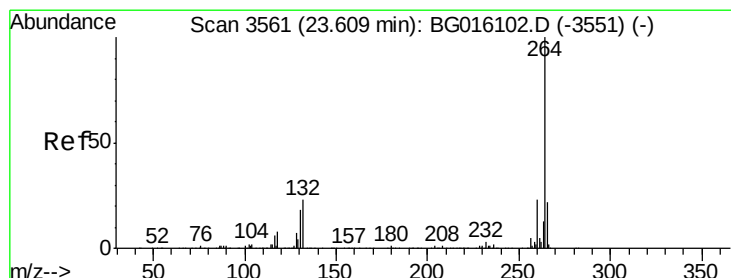
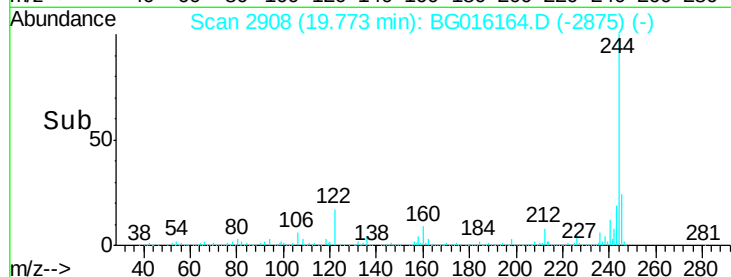
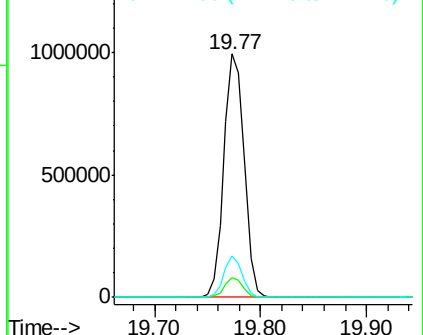
122 16.9 12.2 18.2



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: 23.61 min Scan# 3561

Delta R.T. 0.00 min

Lab File: BG016164.D

Acq: 27 Mar 2015 6:13

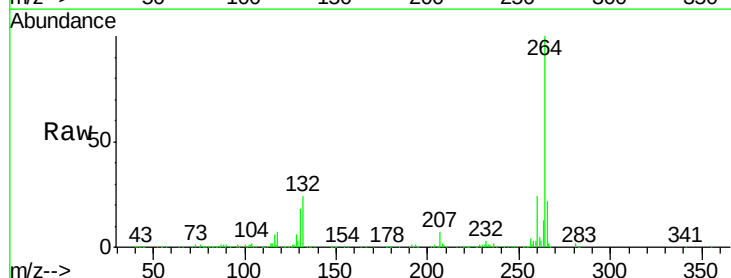
Tgt Ion:264 Resp: 306671

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 17.3 25.9



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

