

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060718\  
 Data File : BG034978.D  
 Acq On : 8 Jun 2018 8:27  
 Operator : SJ/JU  
 Sample : J3344-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HS-YARD-1

Quant Time: Jun 08 12:30:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 07 13:13:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 38192    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.88 | 136  | 138606   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.70 | 164  | 96854    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.44 | 188  | 274840   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.71 | 240  | 306229   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.95 | 264  | 296522   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 316206   | 139.72 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 414812   | 124.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 337563   | 115.77 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.18 | 330  | 225811   | 182.13 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.33 | 172  | 760017   | 102.01 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.05 | 244  | 1486837  | 101.70 | ng    | -0.01    |

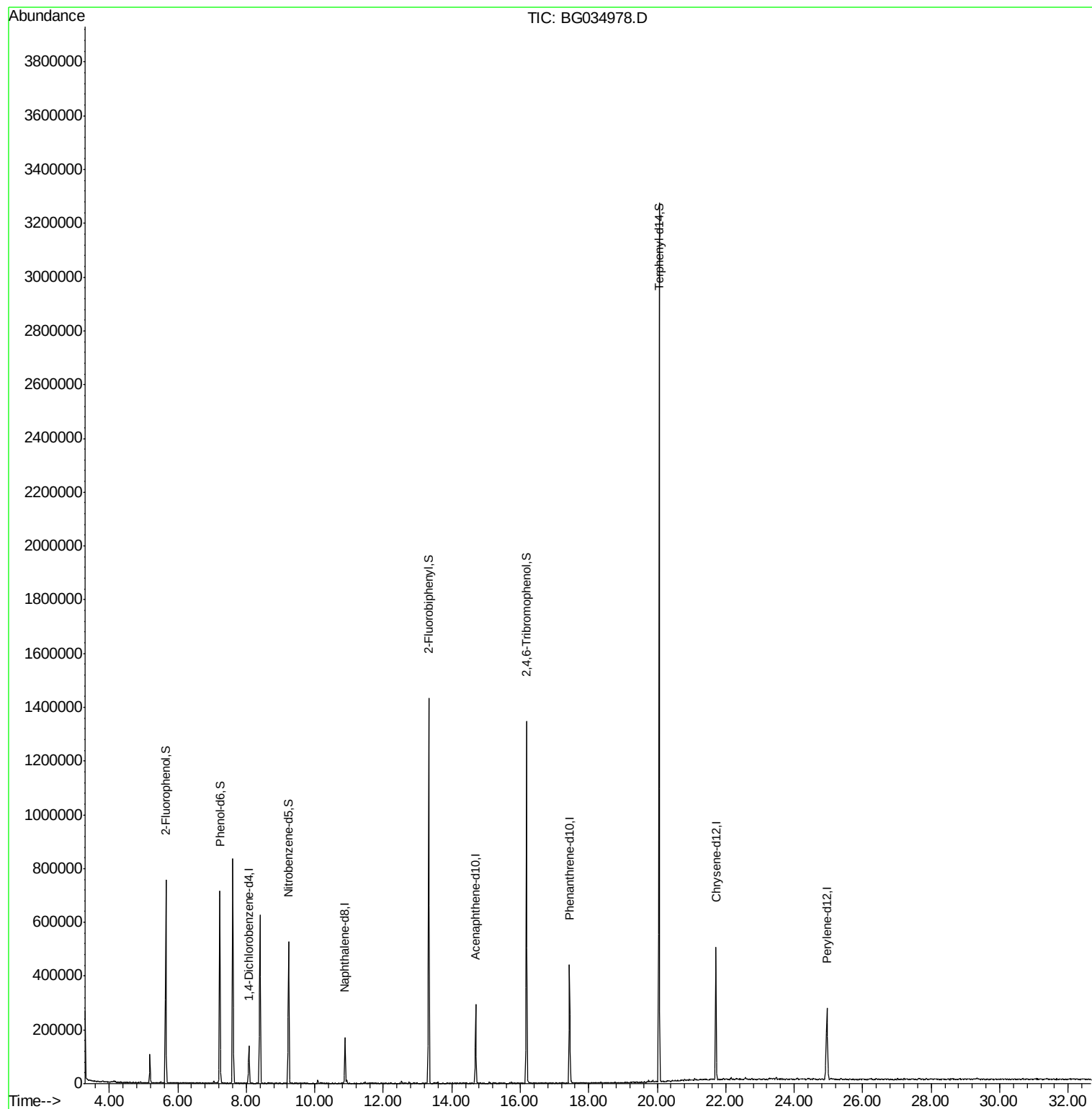
Target Compounds Qvalue

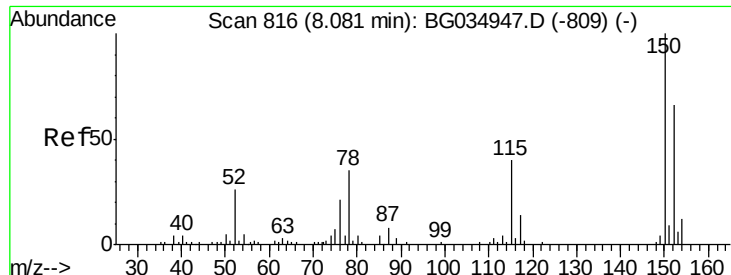
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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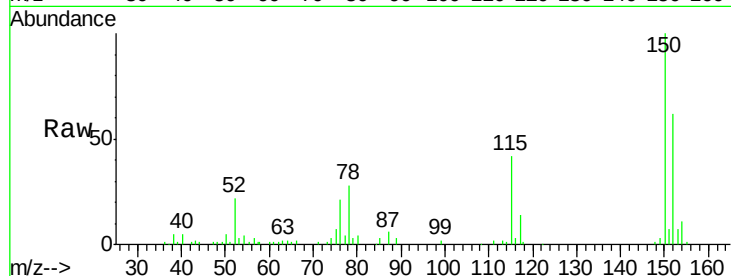


#1

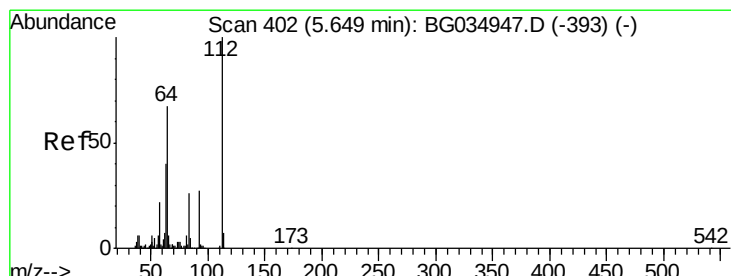
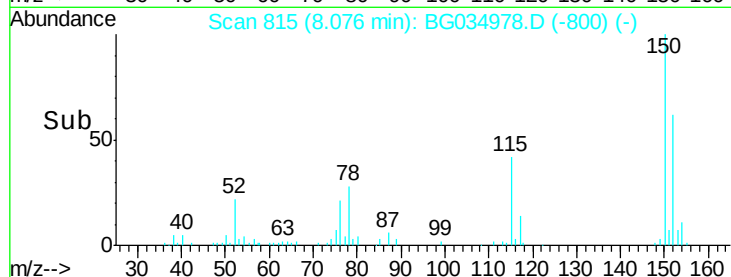
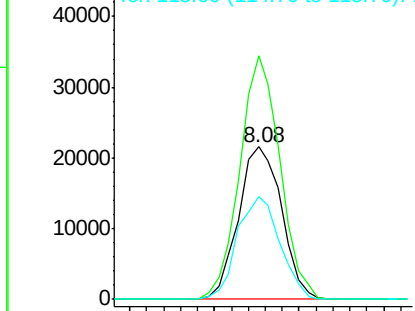
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.08 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BG034978.D  
Acq: 8 Jun 2018 8:27

Instrument :  
BNA\_G  
ClientSampleId :  
HS-YARD-1

Tot Ion:152 Resp: 38192  
Ion Ratio Lower Upper  
152 100  
150 160.1 126.6 189.8  
115 67.8 53.0 79.4



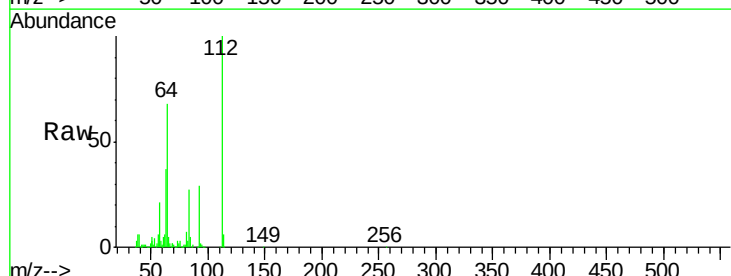
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



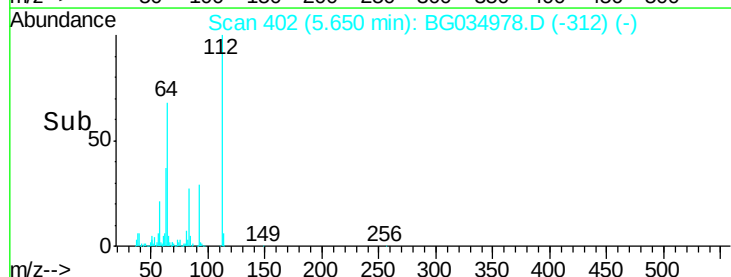
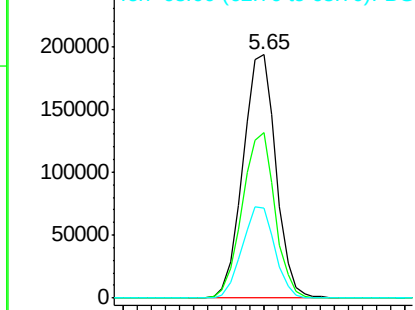
#5

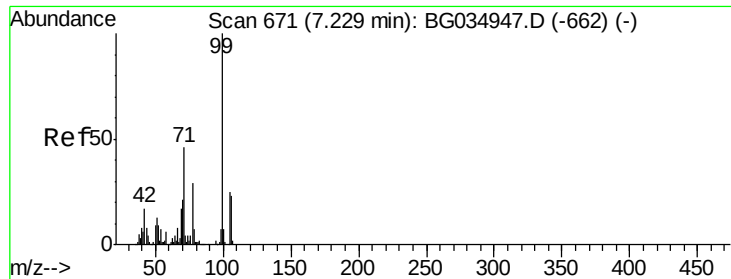
2-Fluorophenol  
Concen: 139.723 ng  
RT: 5.65 min Scan# 402  
Delta R.T. 0.00 min  
Lab File: BG034978.D  
Acq: 8 Jun 2018 8:27

Tgt Ion:112 Resp: 316206  
Ion Ratio Lower Upper  
112 100  
64 67.8 56.3 84.5  
63 37.2 30.1 45.1



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: 124.189 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA\_G

ClientSampleId :

HS-YARD-1

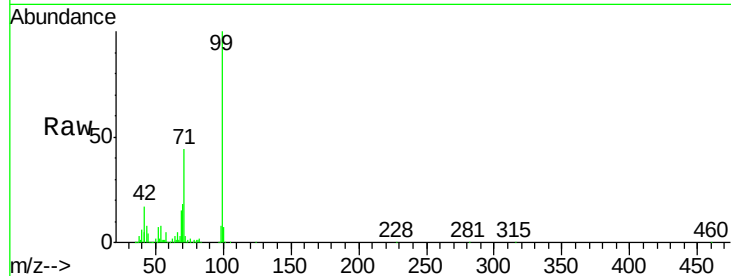
Tot Ion: 99 Resp: 414812

Ion Ratio Lower Upper

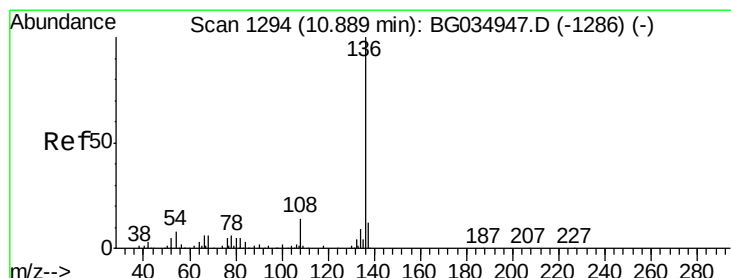
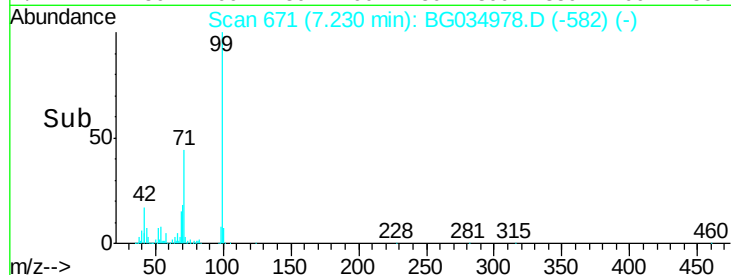
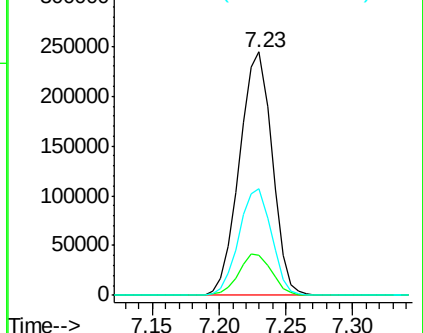
99 100

42 16.6 14.1 21.1

71 43.8 26.1 39.1#



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: 20.000 ng

RT: 10.88 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Tgt Ion: 136 Resp: 138606

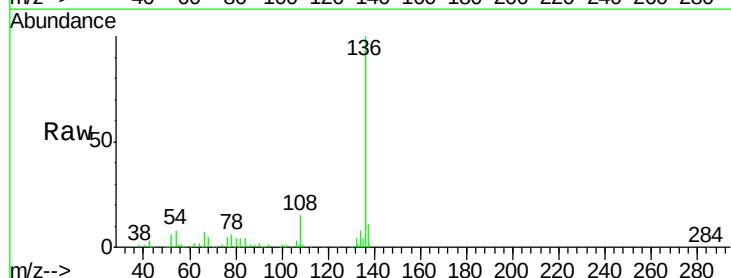
Ion Ratio Lower Upper

136 100

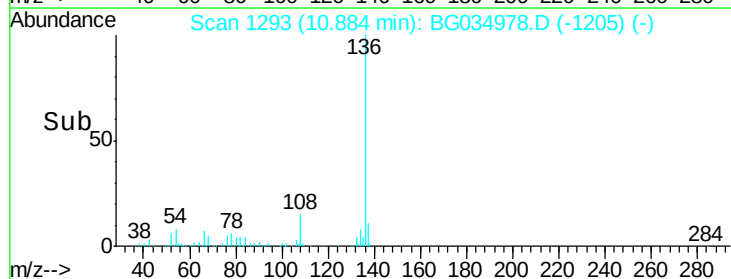
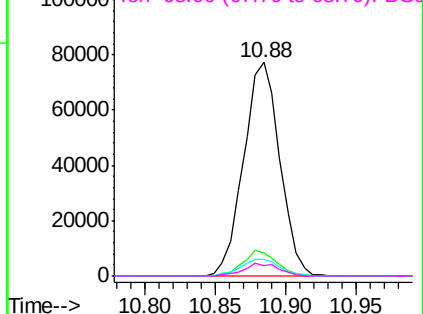
137 10.9 9.2 13.8

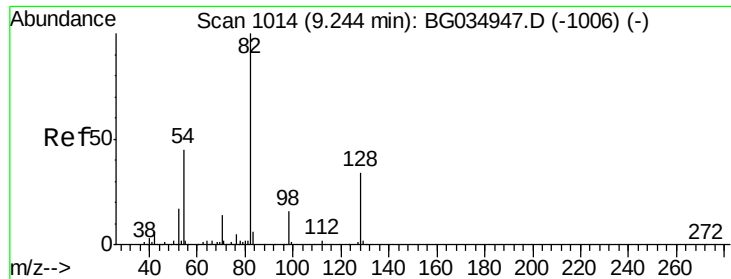
54 8.0 10.3 15.5#

68 5.1 4.5 6.7



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

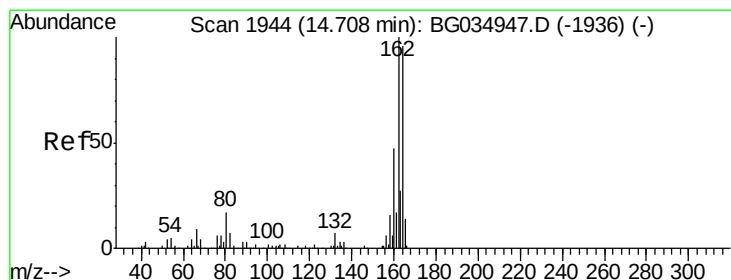
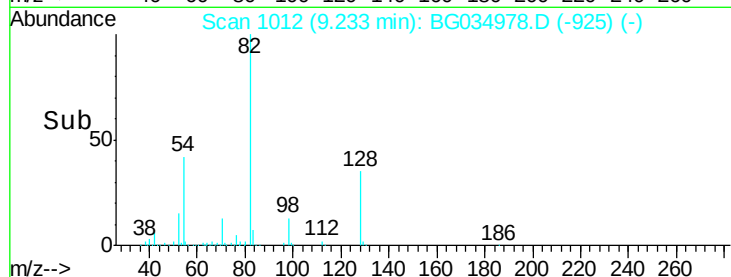
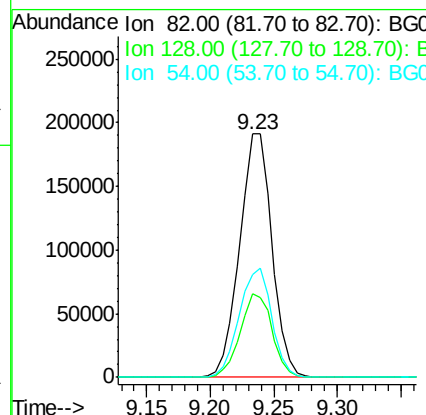
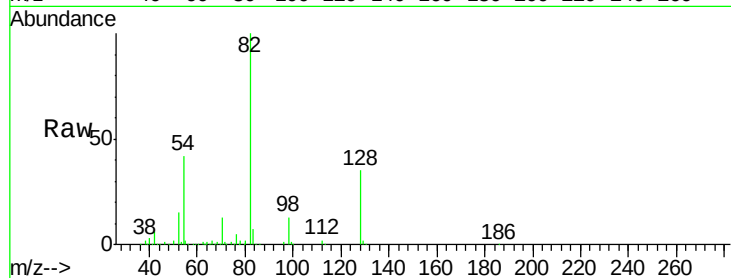




#23  
 Nitrobenzene-d5  
 Concen: 115.766 ng  
 RT: 9.23 min Scan# 1012  
 Delta R.T. -0.02 min  
 Lab File: BG034978.D  
 Acq: 8 Jun 2018 8:27

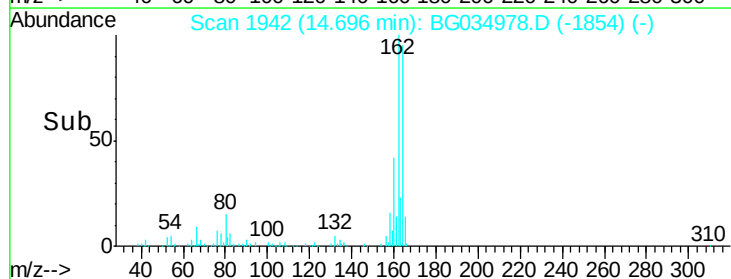
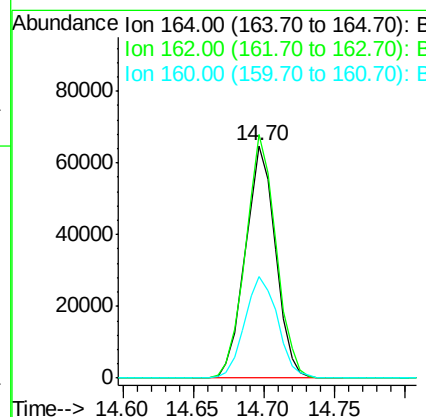
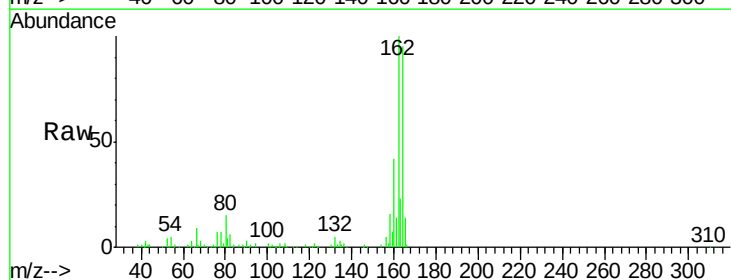
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HS-YARD-1

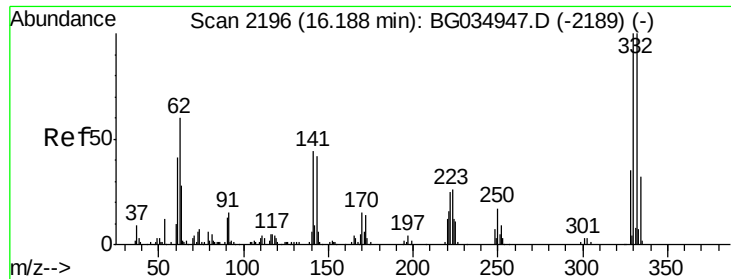
| Tot Ion   | 82    | Resp  | 337563 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.6  | 29.7  | 44.5   |
| 54        | 42.4  | 43.1  | 64.7#  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.70 min Scan# 1942  
 Delta R.T. -0.01 min  
 Lab File: BG034978.D  
 Acq: 8 Jun 2018 8:27

| Tgt Ion   | 164   | Resp  | 96854 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.8 | 78.8  | 118.2 |
| 160       | 43.7  | 35.4  | 53.0  |

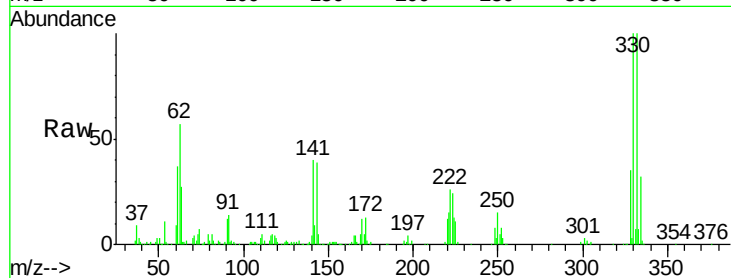




#41  
 2,4,6-Tribromophenol  
 Concen: 182.127 ng  
 RT: 16.18 min Scan# 2195  
 Delta R.T. -0.01 min  
 Lab File: BG034978.D  
 Acq: 8 Jun 2018 8:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HS-YARD-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.0  | 115.6 |
| 141     | 40.6  | 25.2  | 37.8# |

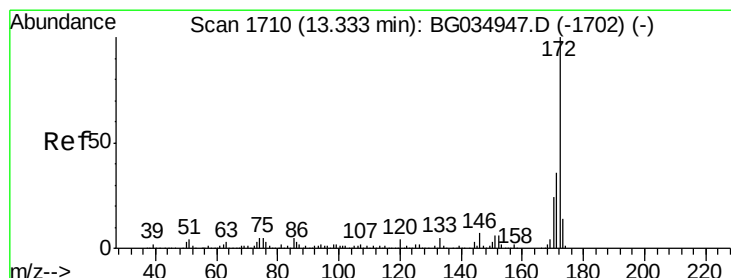
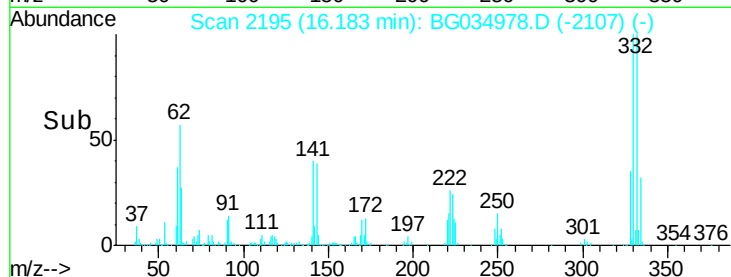
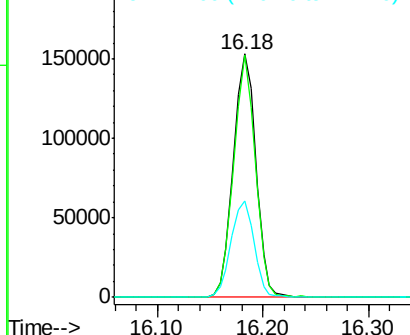


Abundance

Ion 329.80 (329.50 to 330.50): E

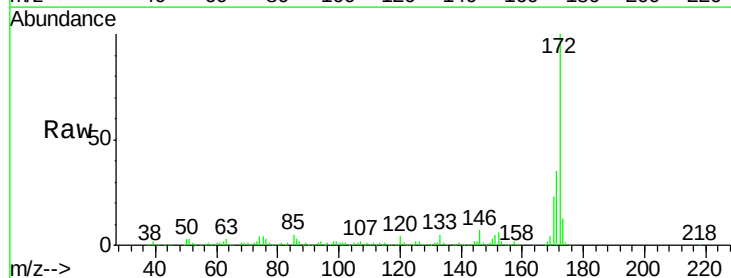
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 102.011 ng  
 RT: 13.33 min Scan# 1709  
 Delta R.T. -0.01 min  
 Lab File: BG034978.D  
 Acq: 8 Jun 2018 8:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |

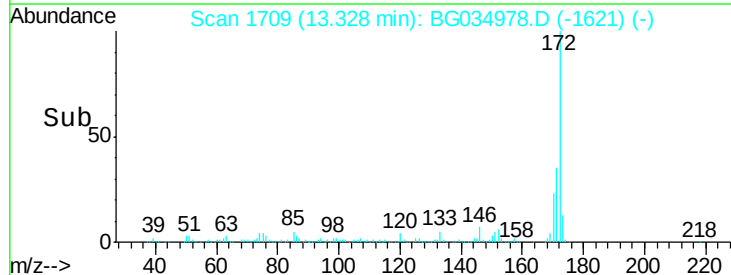
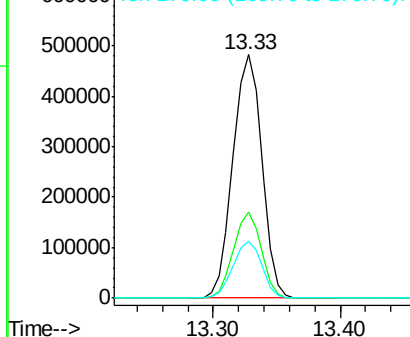


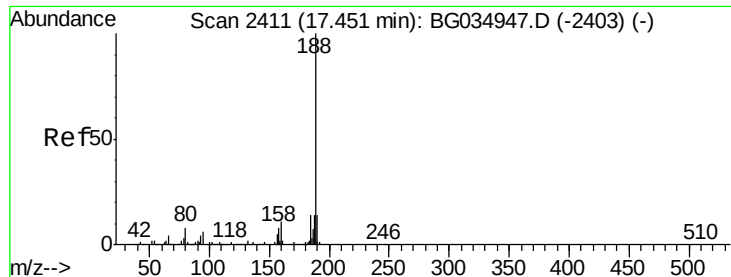
Abundance

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: 20.000 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA\_G

ClientSampleId :

HS-YARD-1

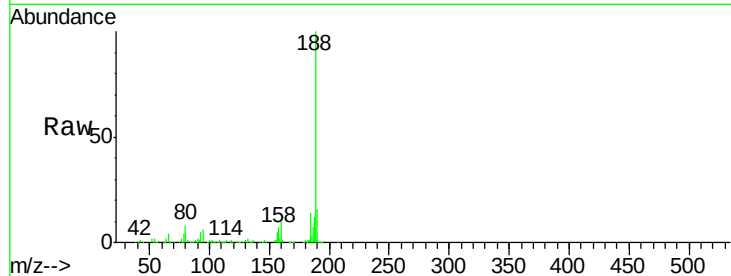
Tot Ion:188 Resp: 274840

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

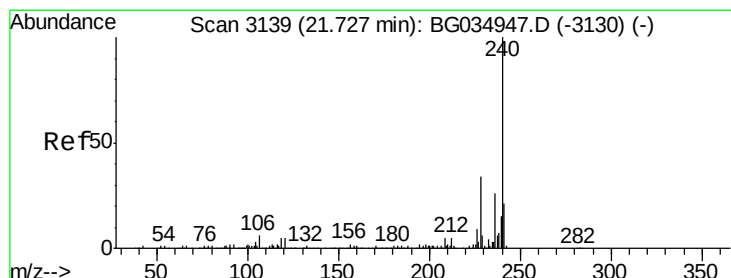
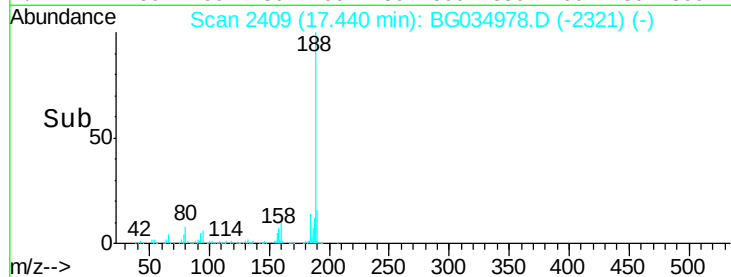
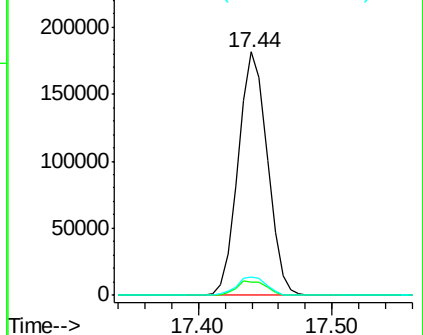
80 7.7 7.7 11.5#



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: 20.000 ng

RT: 21.71 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

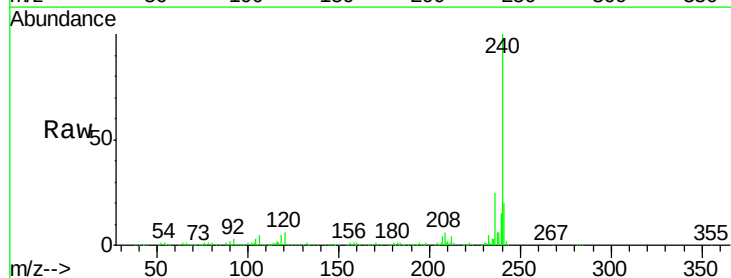
Tgt Ion:240 Resp: 306229

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

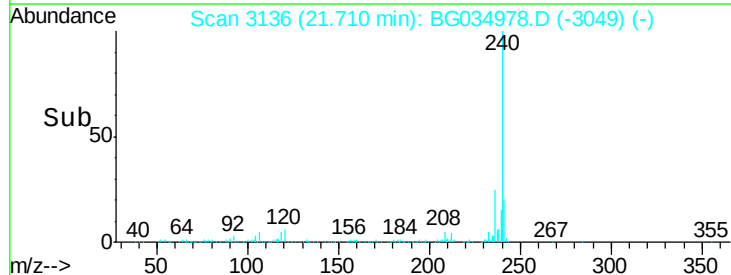
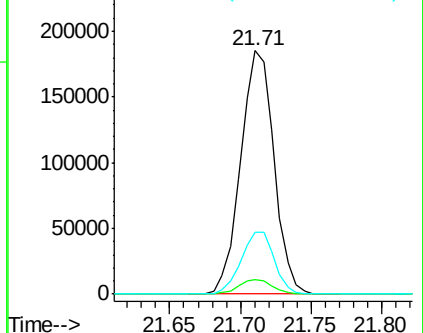
236 25.4 20.9 31.3

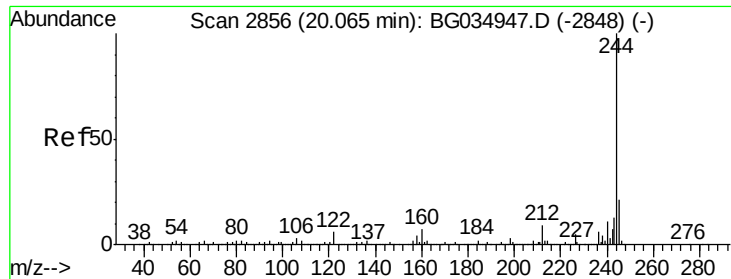


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 101.703 ng

RT: 20.05 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA\_G

ClientSampleId :

HS-YARD-1

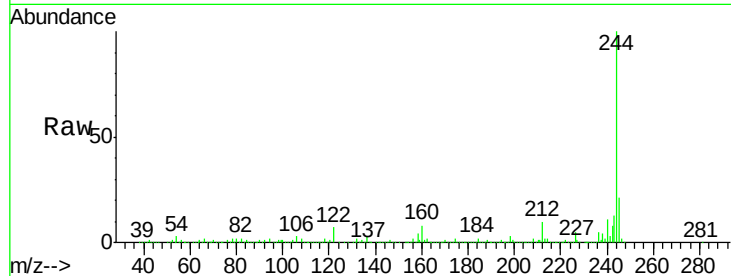
Tot Ion:244 Resp: 1486837

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

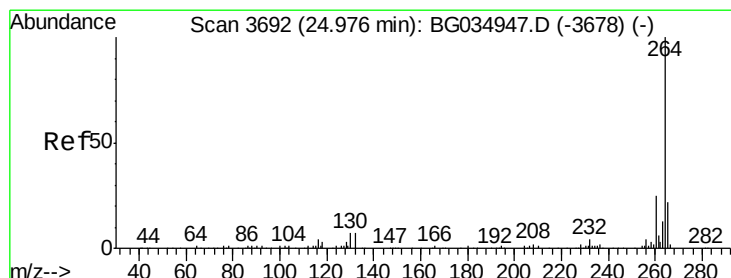
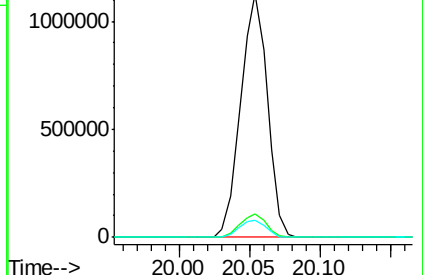
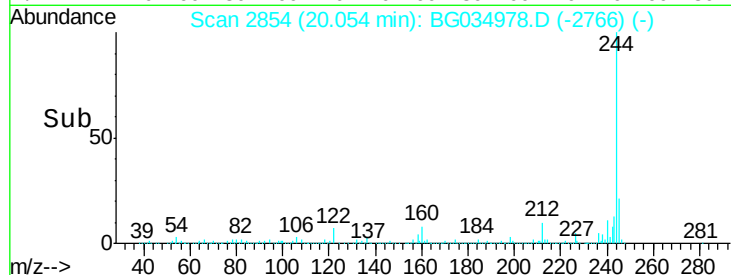
122 7.1 7.0 10.4



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: 20.000 ng

RT: 24.95 min Scan# 3688

Delta R.T. -0.03 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

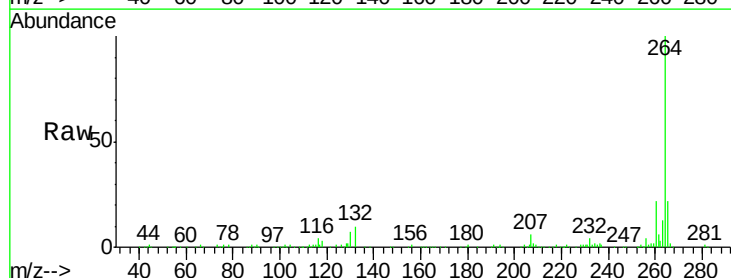
Tgt Ion:264 Resp: 296522

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 21.5 17.7 26.5



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

