

Data Path : Z:\HPCHEM1\BNA G\DATA\BG113017\  
 Data File : BG031306.D  
 Acq On : 1 Dec 2017 2:38  
 Operator : SJ/JU  
 Sample : I6635-06  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 01 06:55:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 65943    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.95 | 136  | 273044   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 180806   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 461226   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.77 | 240  | 540817   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.06 | 264  | 530547   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 162251   | 42.19 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 126504   | 24.42 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 399224   | 86.64 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 225077   | 76.95 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1171933  | 93.14 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1918375  | 78.32 | ng    | -0.01    |

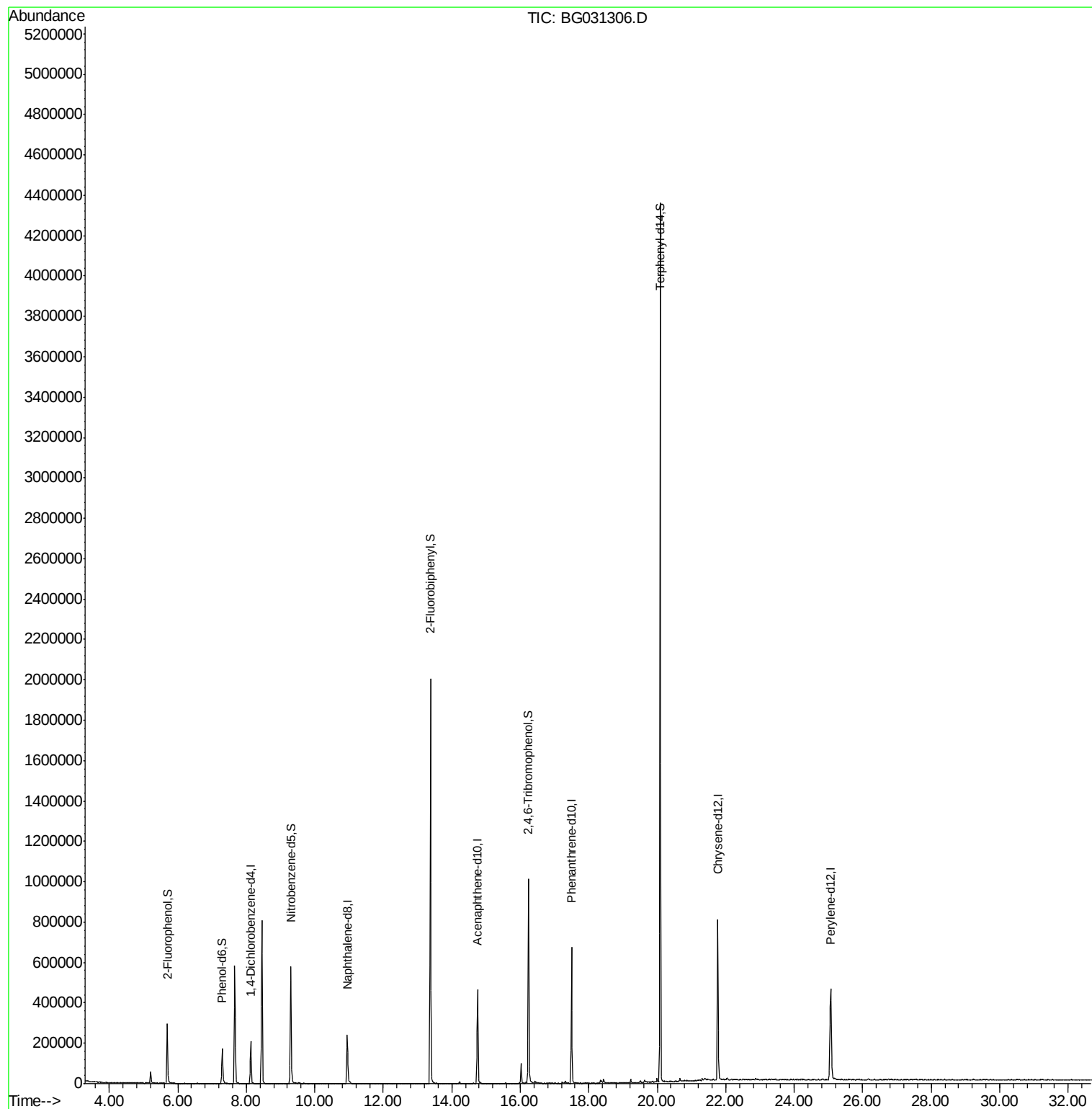
Target Compounds Qvalue

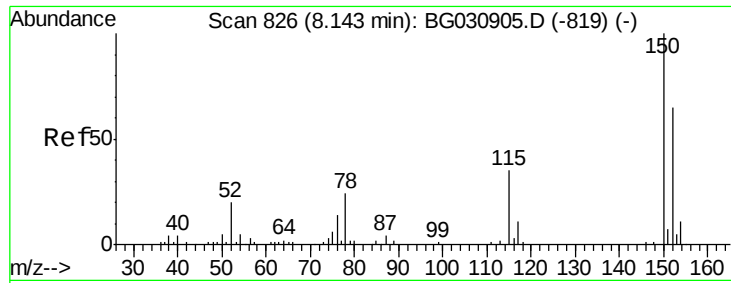
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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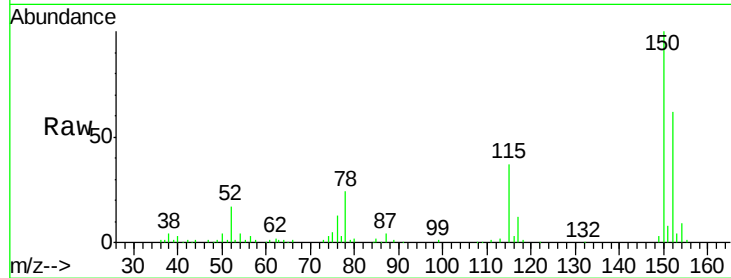




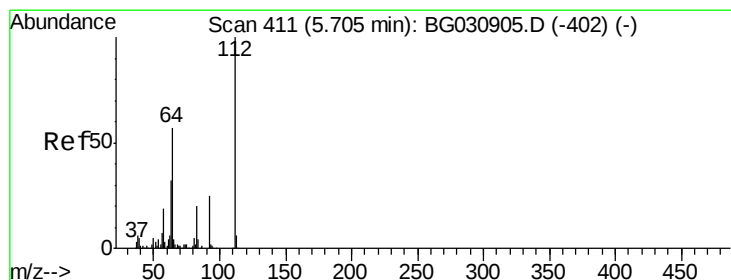
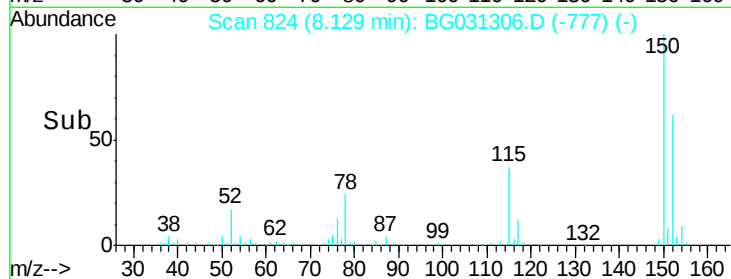
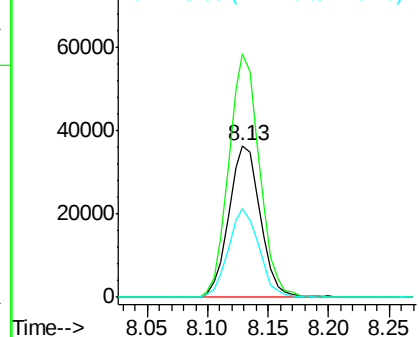
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.13 min Scan# 824  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 65943  
 Ion Ratio Lower Upper  
 152 100  
 150 160.4 126.6 189.8  
 115 58.9 53.0 79.4

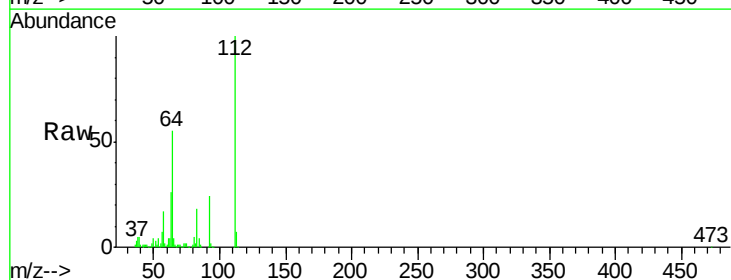


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

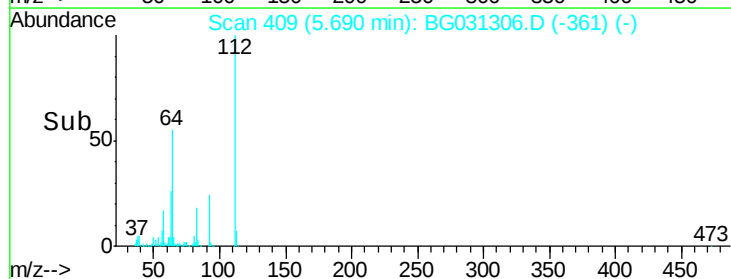
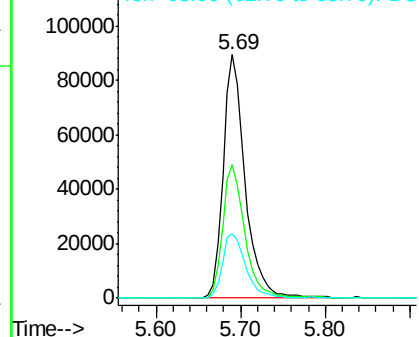


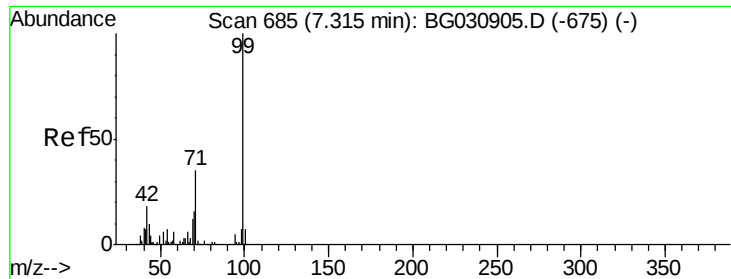
#5  
 2-Fluorophenol  
 Concen: 42.19 ng  
 RT: 5.69 min Scan# 409  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

Tgt Ion:112 Resp: 162251  
 Ion Ratio Lower Upper  
 112 100  
 64 55.0 56.3 84.5#  
 63 26.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 24.42 ng

RT: 7.29 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

Instrument :

BNA\_G

ClientSampleId :

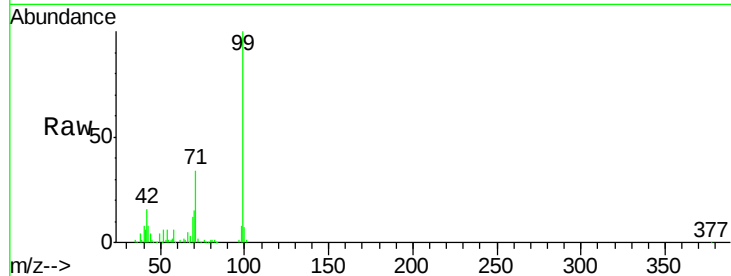
Tot Ion: 99 Resp: 126504

Ion Ratio Lower Upper

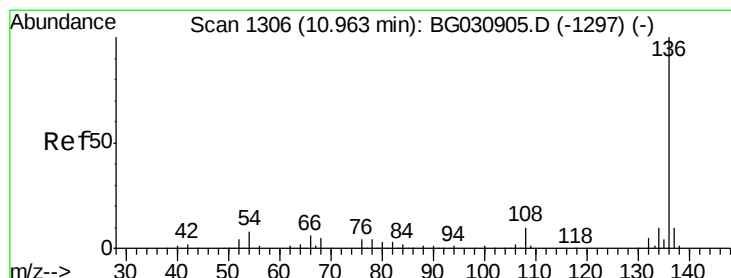
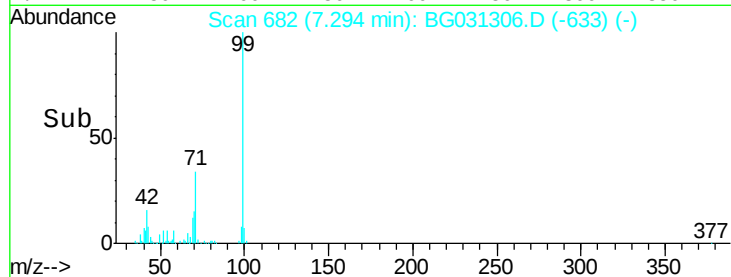
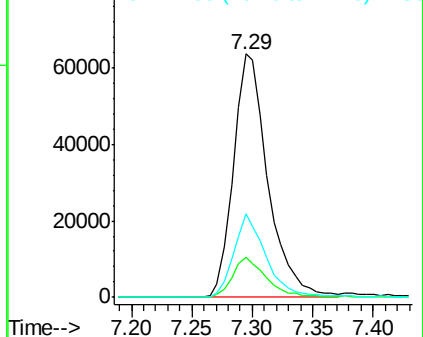
99 100

42 16.4 14.1 21.1

71 34.4 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: 20.00 ng

RT: 10.95 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

Tgt Ion: 136 Resp: 273044

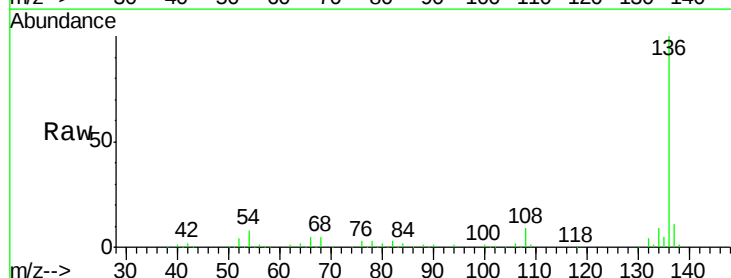
Ion Ratio Lower Upper

136 100

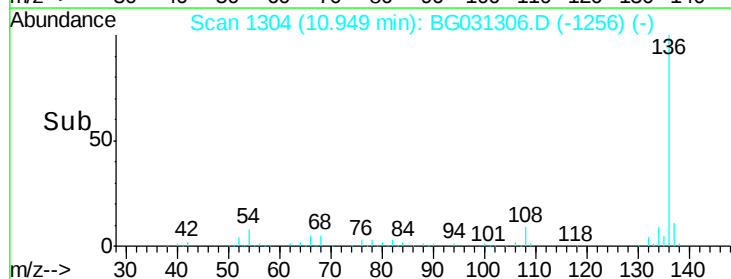
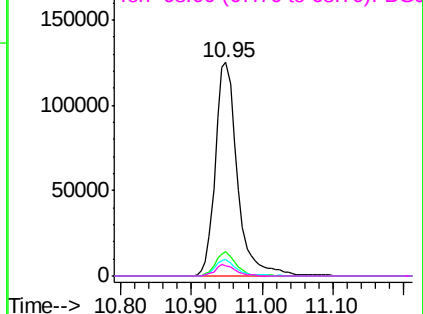
137 11.4 9.2 13.8

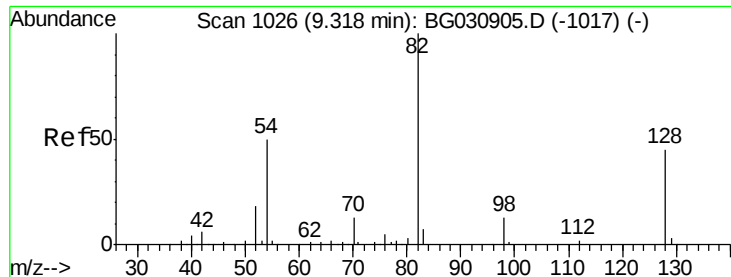
54 7.6 10.3 15.5#

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

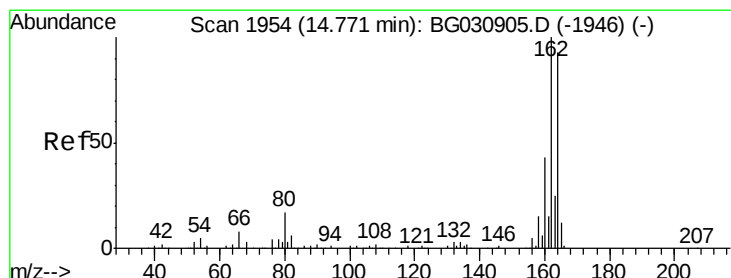
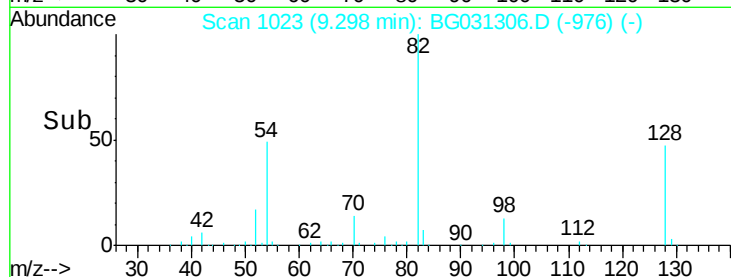
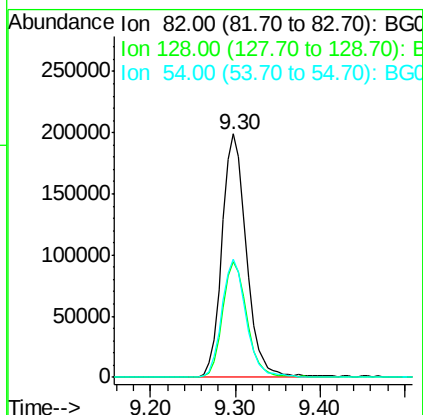
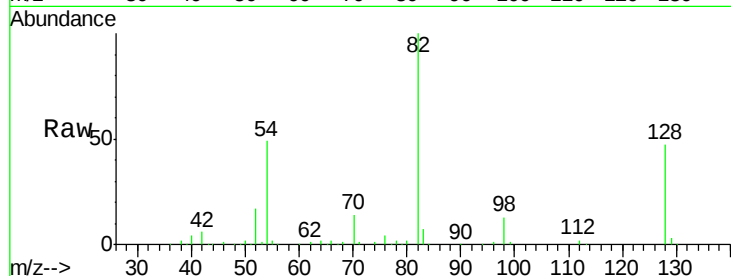




#23  
 Nitrobenzene-d5  
 Concen: 86.64 ng  
 RT: 9.30 min Scan# 1023  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

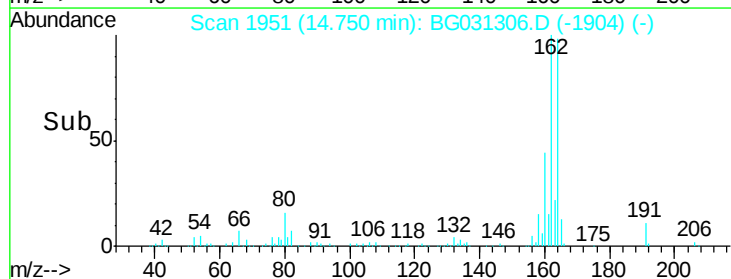
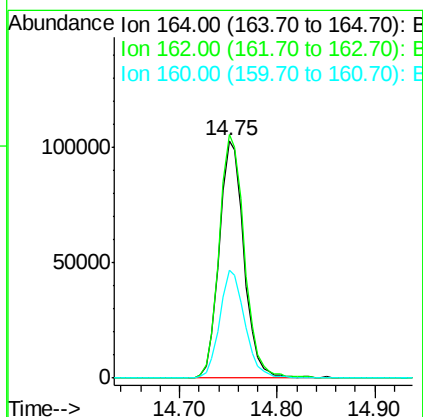
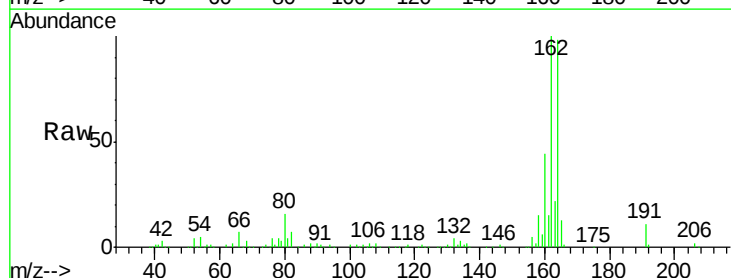
Instrument :  
 BNA\_G  
 ClientSampleId :

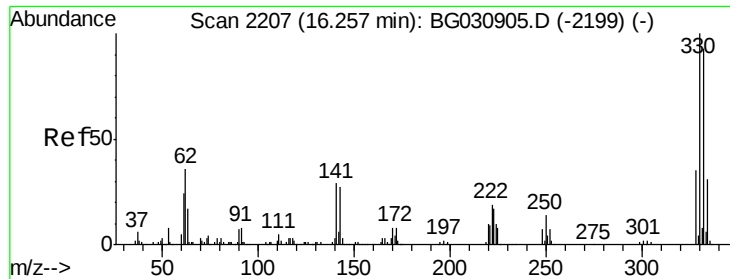
Tot Ion: 82 Resp: 399224  
 Ion Ratio Lower Upper  
 82 100  
 128 47.3 29.7 44.5#  
 54 48.7 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 1951  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

Tgt Ion: 164 Resp: 180806  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 78.8 118.2  
 160 45.3 35.4 53.0

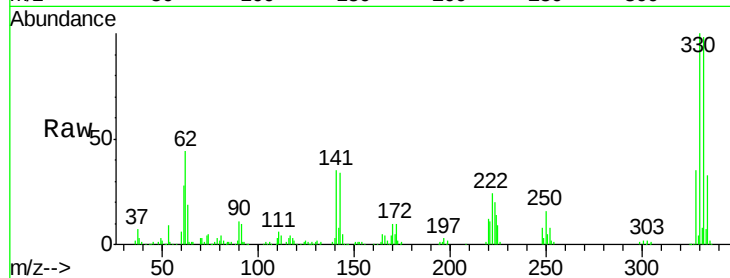




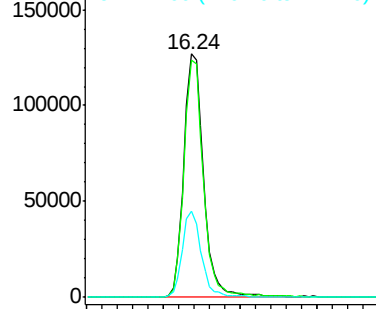
#41  
 2,4,6-Tribromophenol  
 Concen: 76.95 ng  
 RT: 16.24 min Scan# 2204  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

Instrument :  
 BNA\_G  
 ClientSampleId :

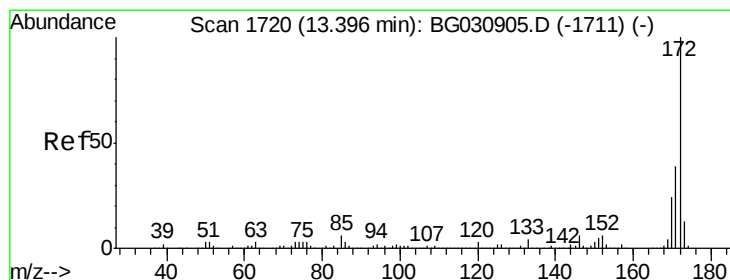
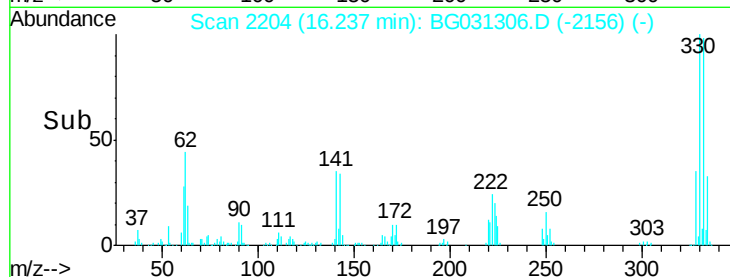
Tot Ion:330 Resp: 225077  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.0 115.6  
 141 34.1 25.2 37.8



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

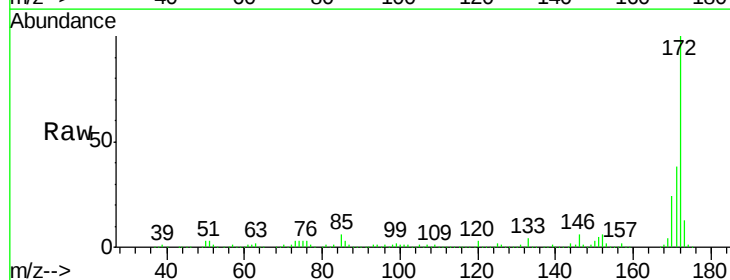


Time--> 16.10 16.20 16.30 16.40

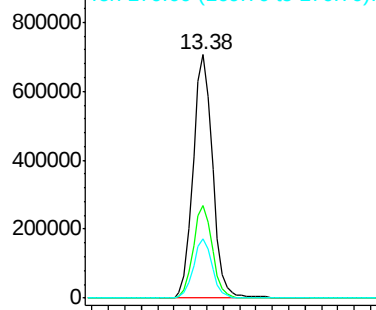


#44  
 2-Fluorobiphenyl  
 Concen: 93.14 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG031306.D  
 Acq: 1 Dec 2017 2:38

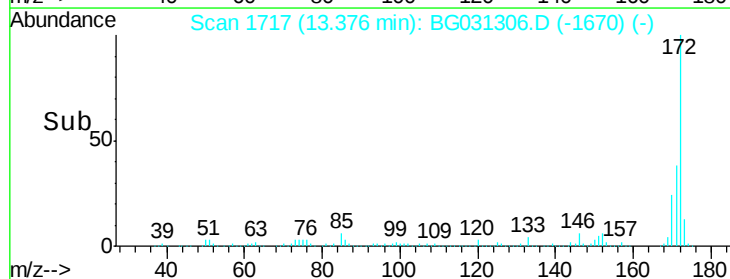
Tgt Ion:172 Resp: 1171933  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.0 45.0  
 170 24.2 19.5 29.3

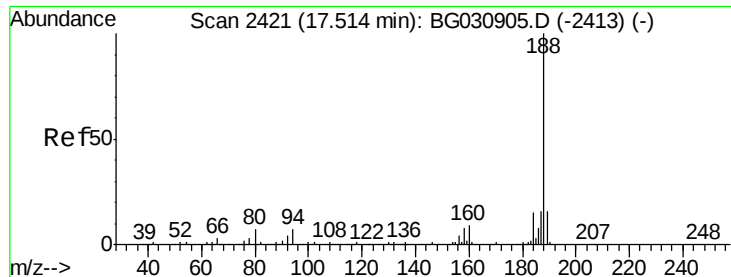


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



Time--> 13.30 13.40 13.50





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2418

Delta R.T. -0.02 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

Instrument :

BNA\_G

ClientSampleId :

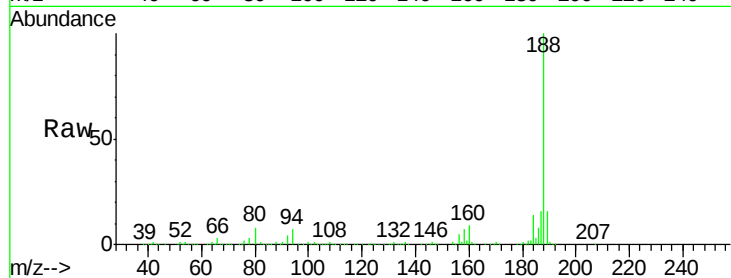
Tot Ion:188 Resp: 461226

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

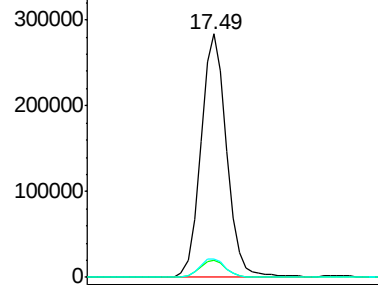
80 7.7 7.7 11.5



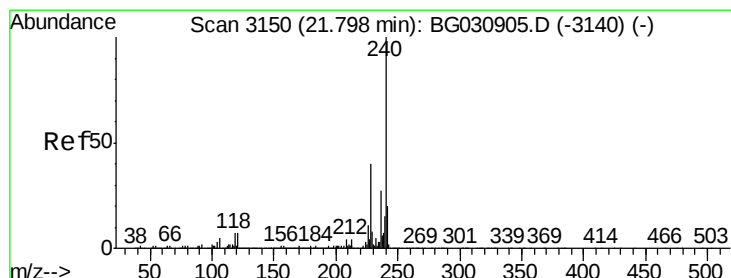
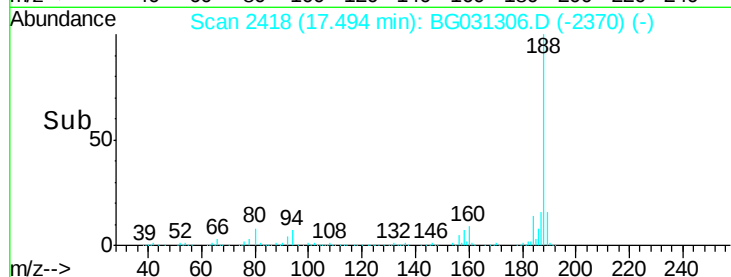
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

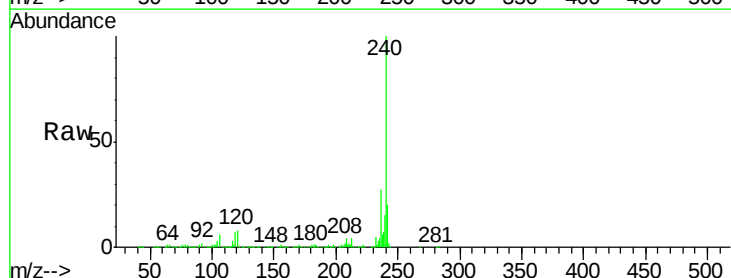
Tgt Ion:240 Resp: 540817

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

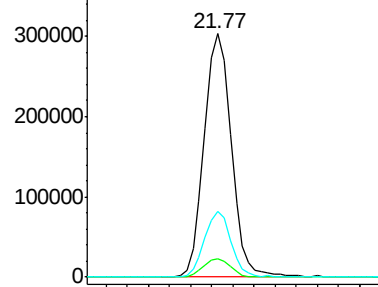
236 27.1 20.9 31.3



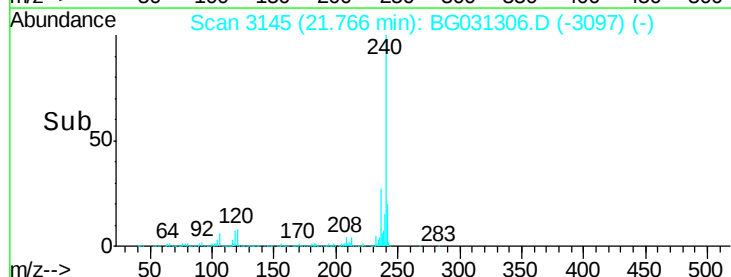
Abundance Ion 240.00 (239.70 to 240.70): E

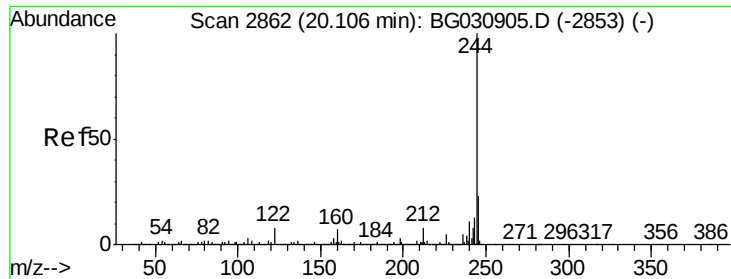
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 78.32 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

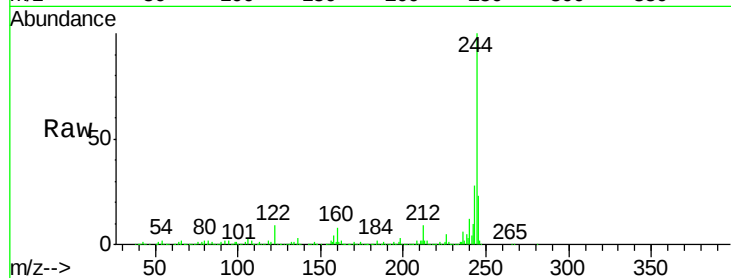
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1918375

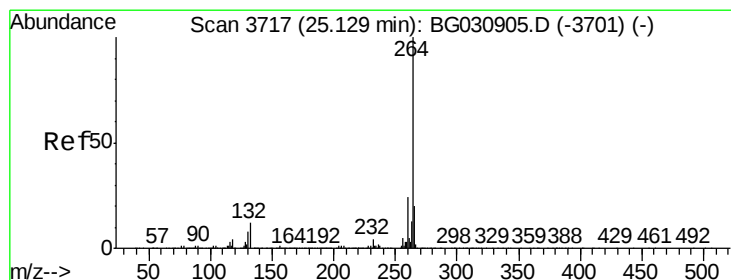
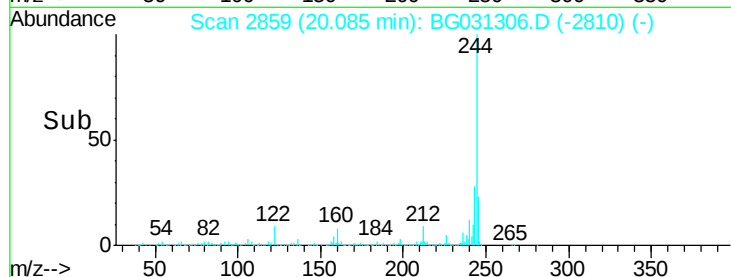
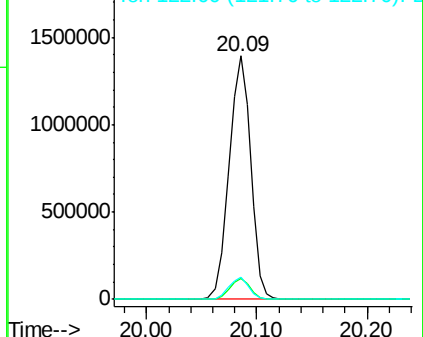
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 5.8   | 8.8#  |
| 122 | 9.1   | 7.0   | 10.4  |



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: 20.00 ng

RT: 25.06 min Scan# 3706

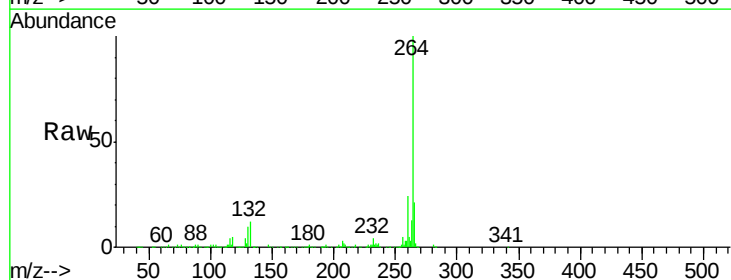
Delta R.T. -0.03 min

Lab File: BG031306.D

Acq: 1 Dec 2017 2:38

Tgt Ion:264 Resp: 530547

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.4  | 26.0  |
| 265 | 20.9  | 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

