

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\  
 Data File : BG030942.D  
 Acq On : 11 Nov 2017 14:00  
 Operator : SJ/JU  
 Sample : I6399-23  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 13 03:20:42 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   | 8.14  | 152  | 41671    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.96 | 136  | 173526   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 116290   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 327025   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 421384   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.08 | 264  | 414721   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 367346   | 151.16 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 442272   | 135.09 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 285882   | 97.62  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 317719   | 168.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 828569   | 102.38 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.10 | 244  | 1750023  | 91.70  | ng    | 0.00     |

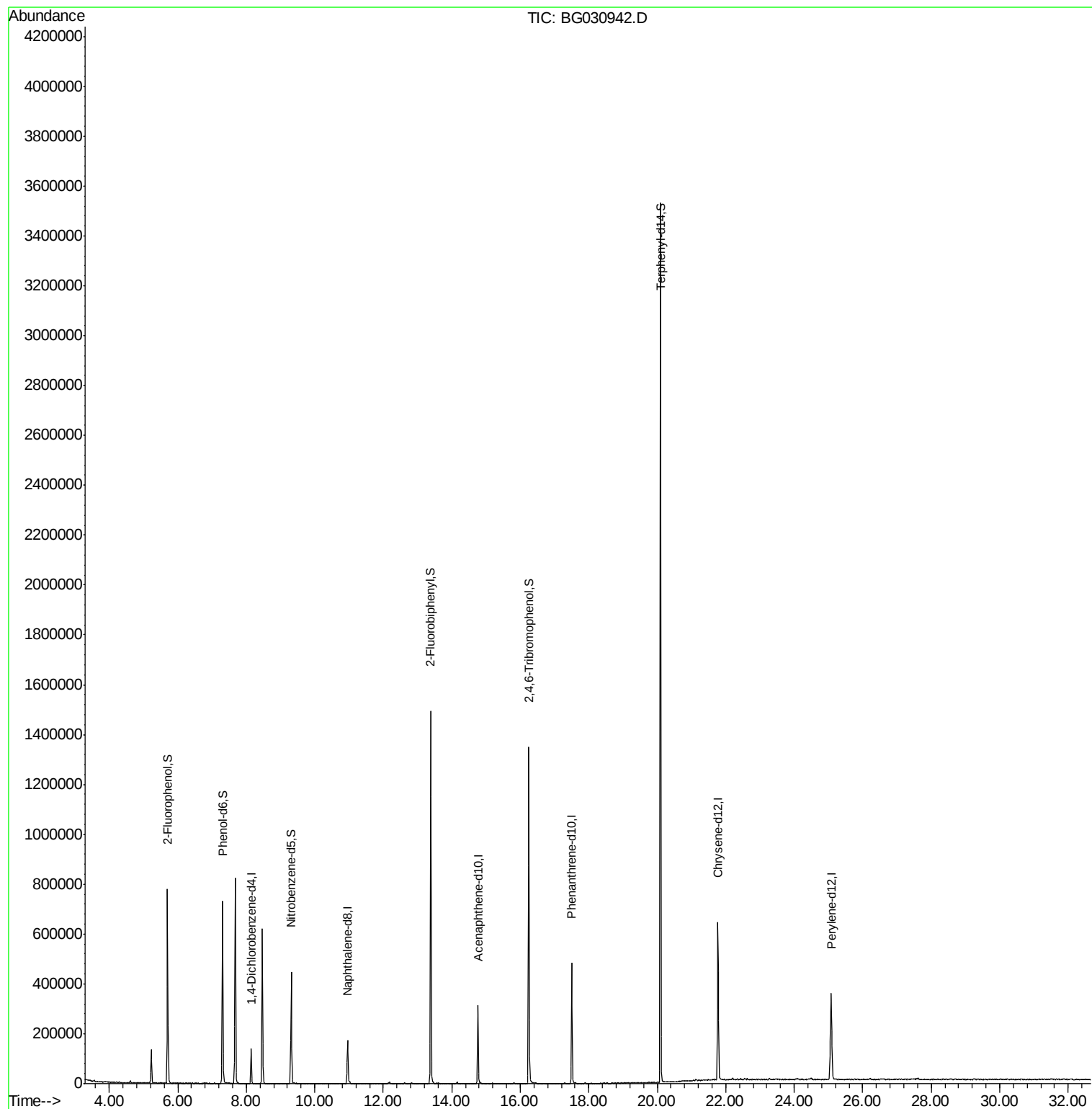
Target Compounds Qvalue

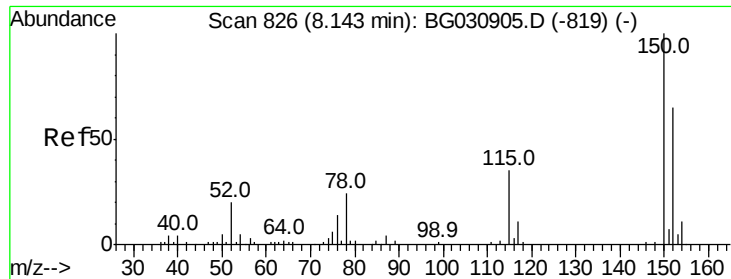
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration



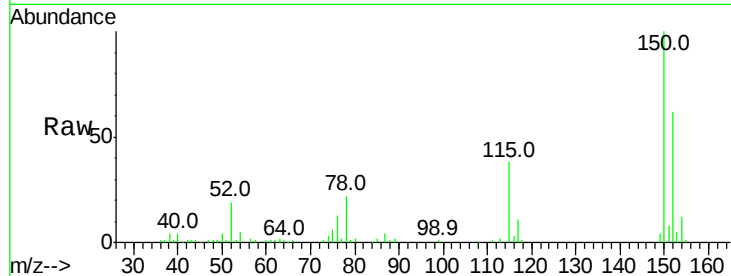


#1

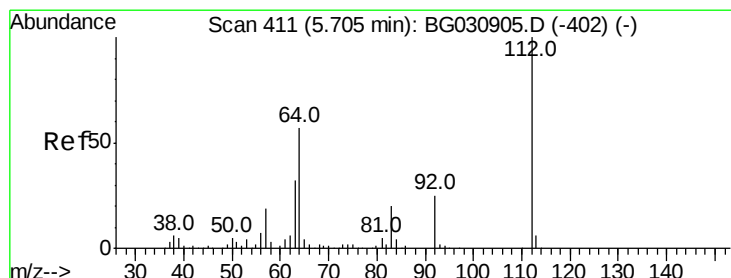
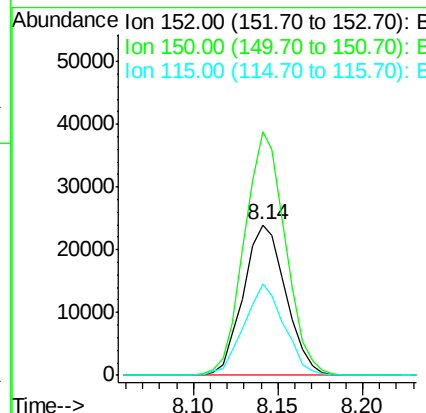
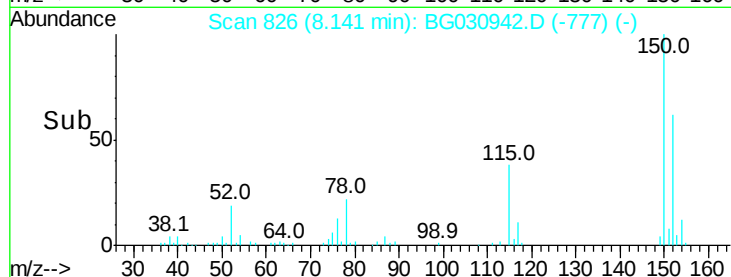
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.14 min Scan# 826  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:152 Resp: 41671  
 Ion Ratio Lower Upper  
 152 100  
 150 161.9 126.6 189.8  
 115 60.9 53.0 79.4



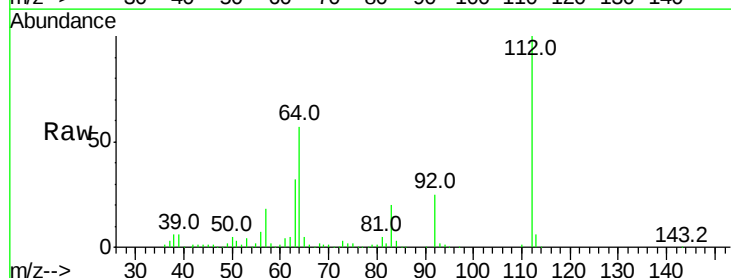
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



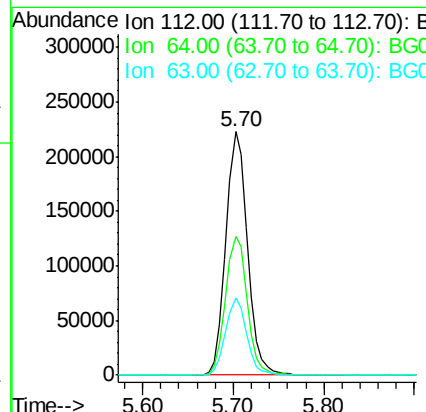
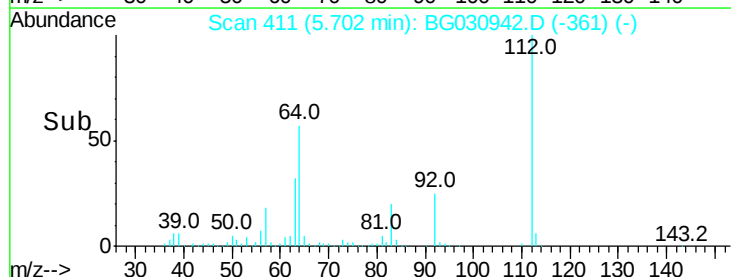
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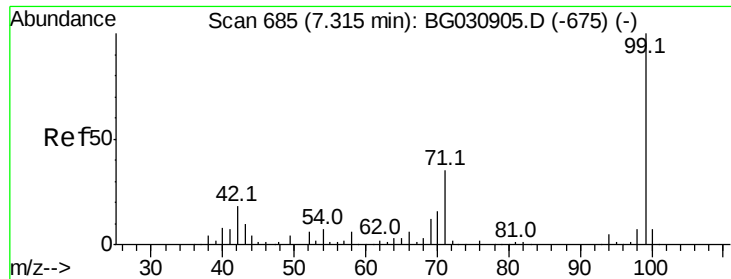
2-Fluorophenol  
 Concen: 151.163 ng  
 RT: 5.70 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Tgt Ion:112 Resp: 367346  
 Ion Ratio Lower Upper  
 112 100  
 64 56.7 56.3 84.5  
 63 31.6 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: 135.089 ng

RT: 7.31 min Scan# 684

Delta R.T. -0.00 min

Lab File: BG030942.D

Acq: 11 Nov 2017 14:00

Instrument :

BNA\_G

ClientSampleId :

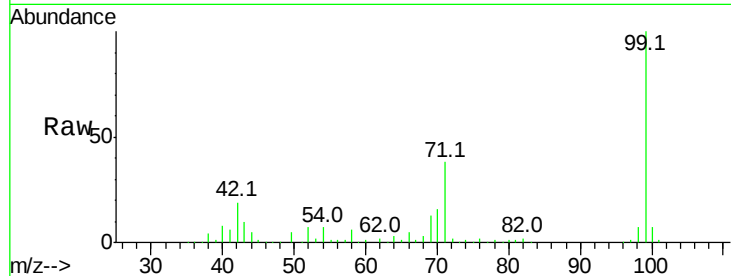
Tot Ion: 99 Resp: 442272

Ion Ratio Lower Upper

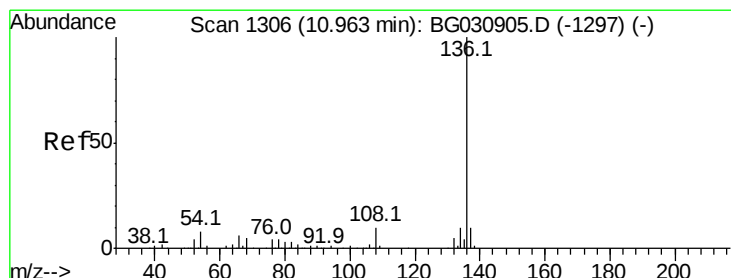
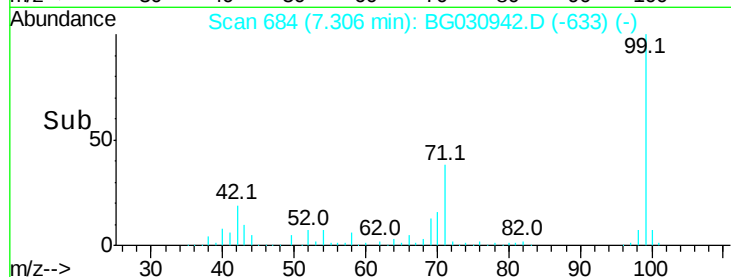
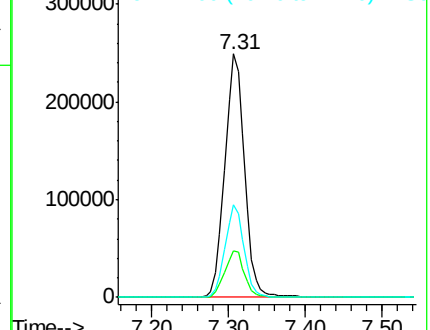
99 100

42 19.3 14.1 21.1

71 38.2 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: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030942.D

Acq: 11 Nov 2017 14:00

Tgt Ion: 136 Resp: 173526

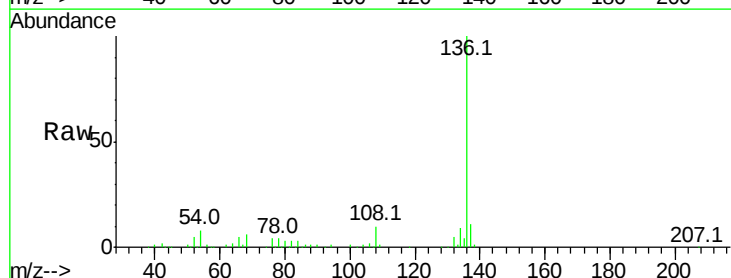
Ion Ratio Lower Upper

136 100

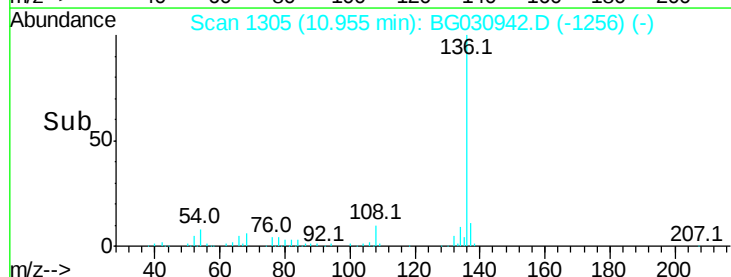
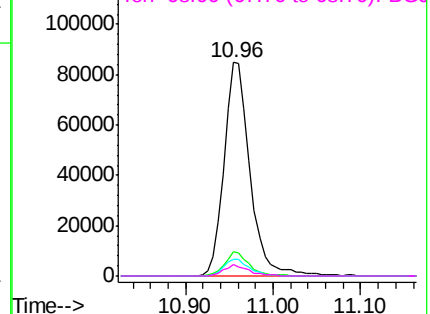
137 11.2 9.2 13.8

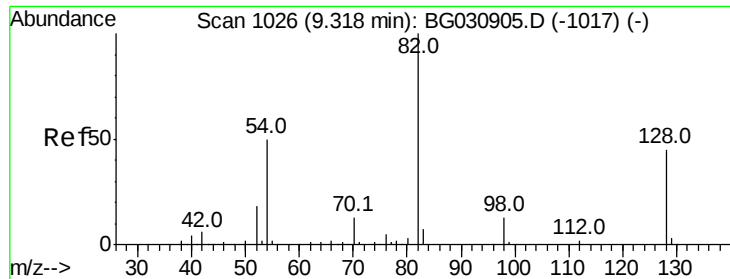
54 7.7 10.3 15.5#

68 5.5 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

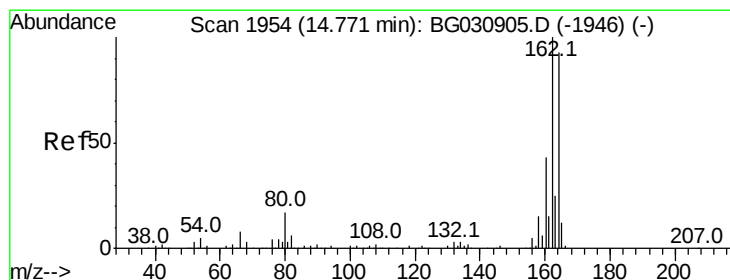
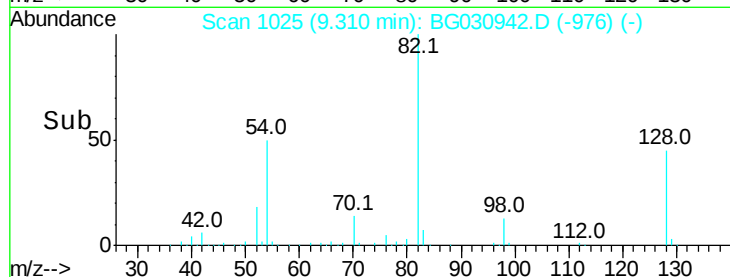
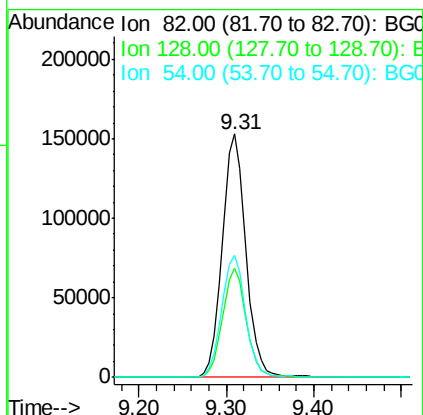
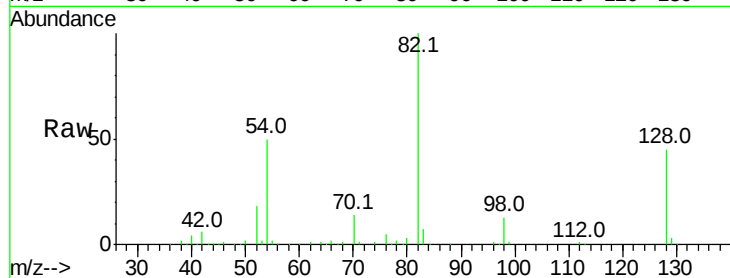




#23  
 Nitrobenzene-d5  
 Concen: 97.624 ng  
 RT: 9.31 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

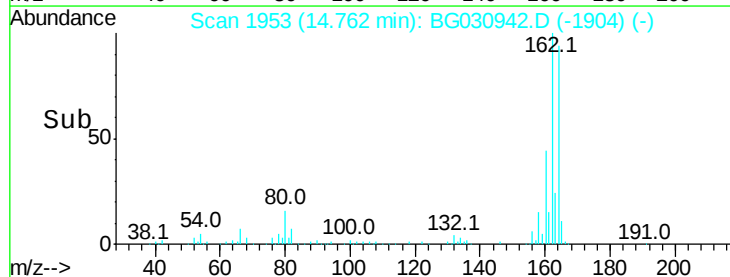
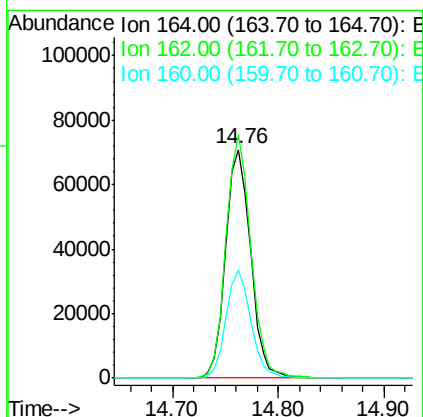
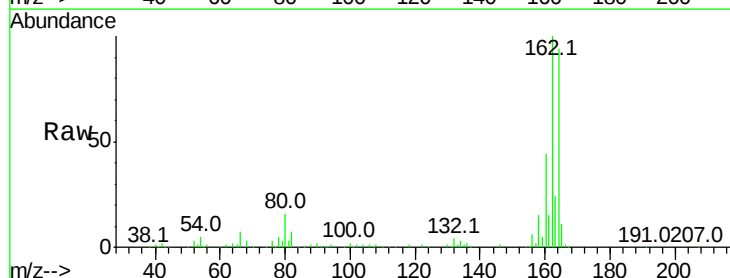
Instrument :  
 BNA\_G  
 ClientSampleId :

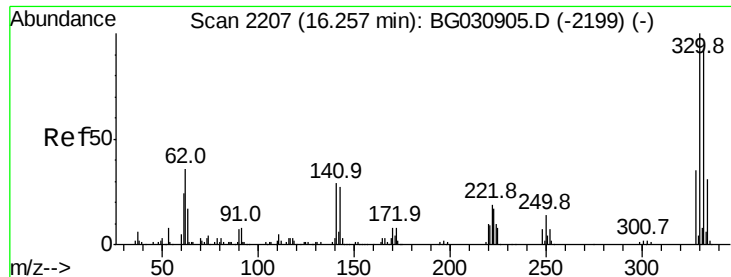
Tot Ion: 82 Resp: 285882  
 Ion Ratio Lower Upper  
 82 100  
 128 45.0 29.7 44.5#  
 54 49.9 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Tgt Ion: 164 Resp: 116290  
 Ion Ratio Lower Upper  
 164 100  
 162 106.4 78.8 118.2  
 160 46.9 35.4 53.0

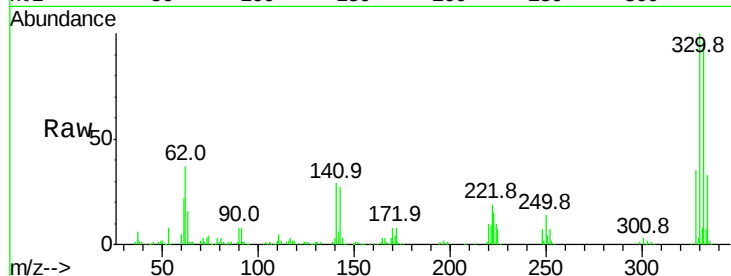




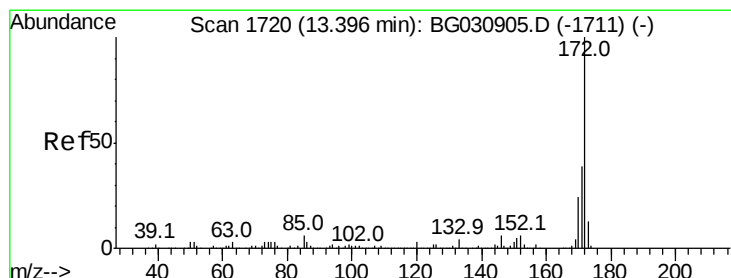
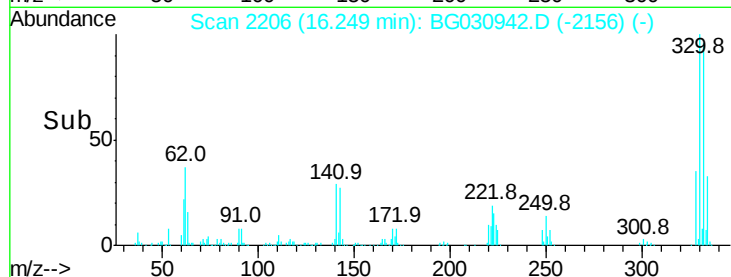
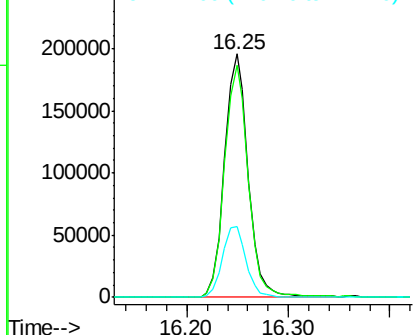
#41  
 2,4,6-Tribromophenol  
 Concen: 168.892 ng  
 RT: 16.25 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 29.4  | 25.2  | 37.8  |

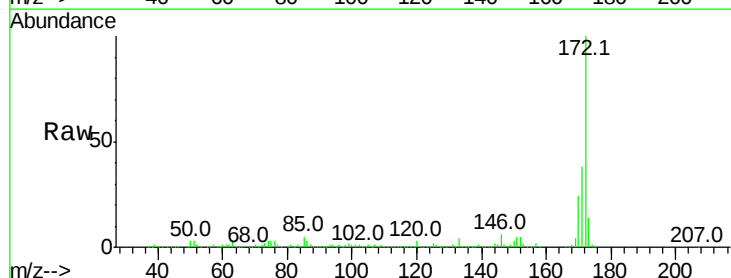


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

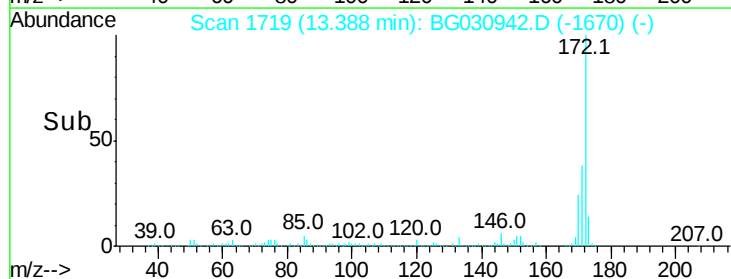
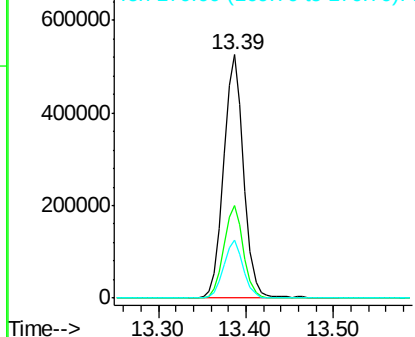


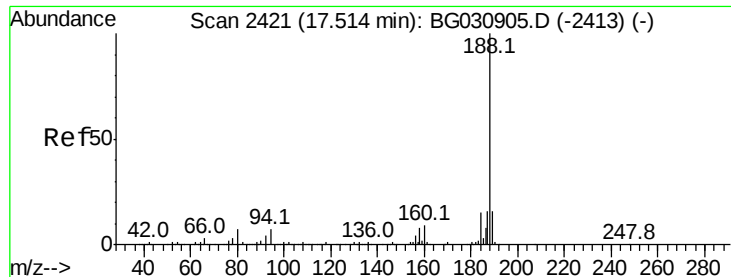
#44  
 2-Fluorobiphenyl  
 Concen: 102.379 ng  
 RT: 13.39 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 30.0  | 45.0  |
| 170     | 24.0  | 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

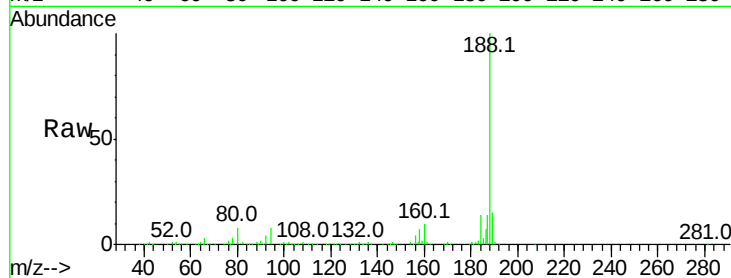




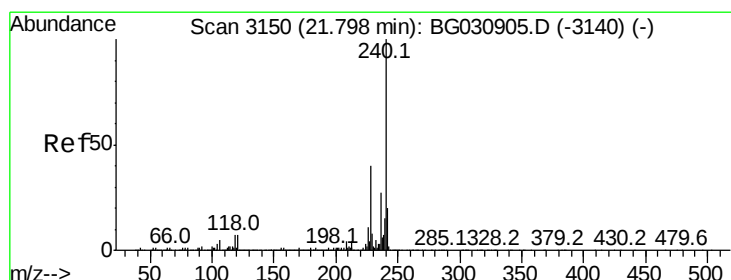
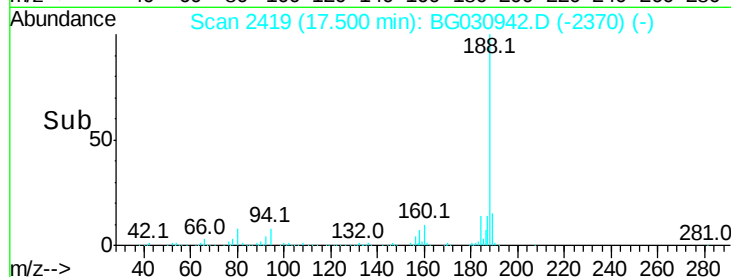
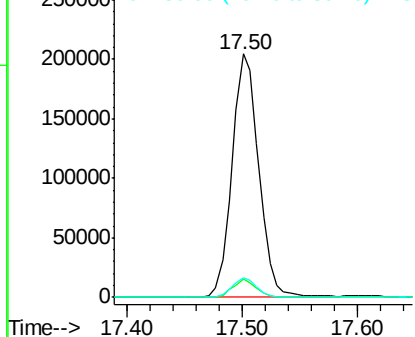
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG030942.D  
Acq: 11 Nov 2017 14:00

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 327025  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.9 10.3  
80 7.8 7.7 11.5

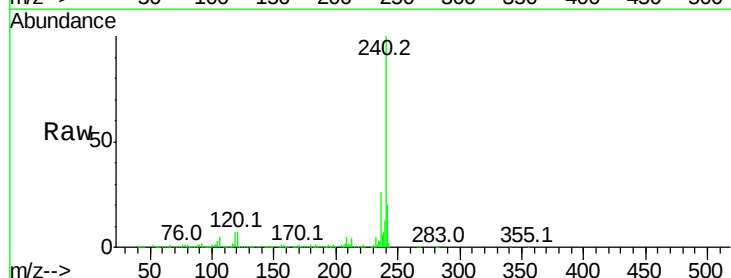


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

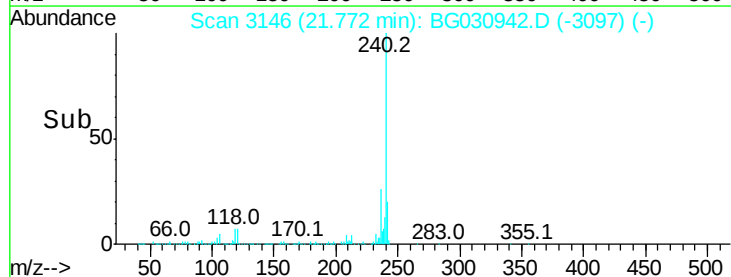
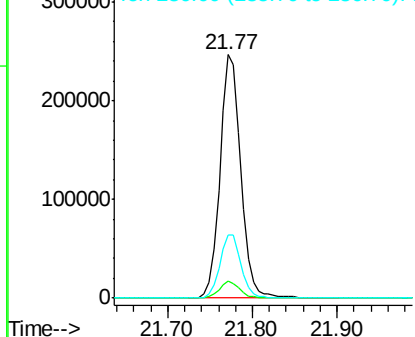


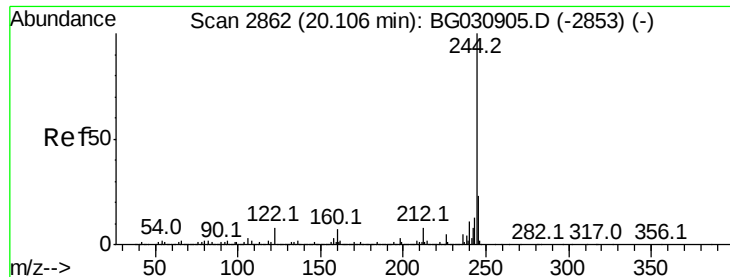
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3146  
Delta R.T. -0.01 min  
Lab File: BG030942.D  
Acq: 11 Nov 2017 14:00

Tgt Ion:240 Resp: 421384  
Ion Ratio Lower Upper  
240 100  
120 6.9 6.8 10.2  
236 26.2 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



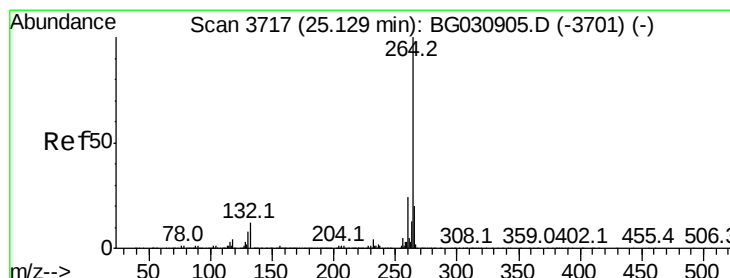
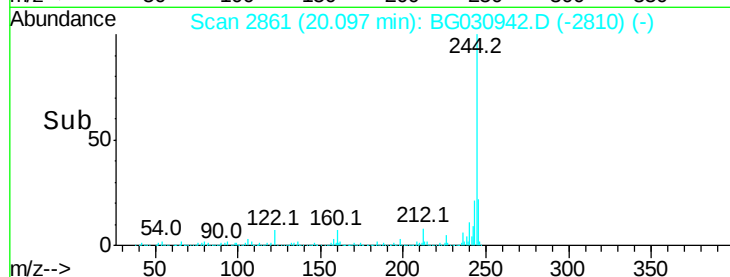
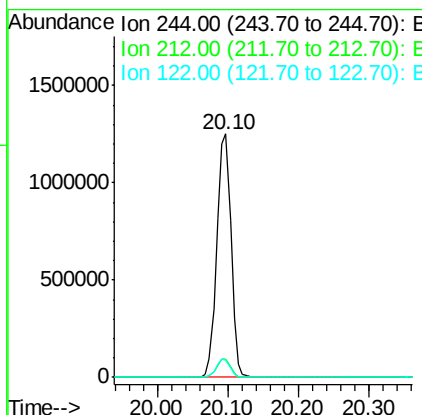
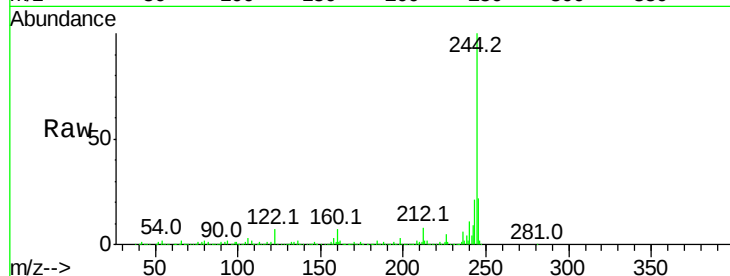


#78  
 Terphenyl-d14  
 Concen: 91.703 ng  
 RT: 20.10 min Scan# 2861  
 Delta R.T. -0.00 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 1750023  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.8   | 5.8   | 8.8   |
| 122 | 7.1   | 7.0   | 10.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.08 min Scan# 3709  
 Delta R.T. -0.01 min  
 Lab File: BG030942.D  
 Acq: 11 Nov 2017 14:00

Tgt Ion:264 Resp: 414721  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 17.4  | 26.0  |
| 265 | 23.9  | 17.7  | 26.5  |

