

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030552.D  
 Acq On : 29 Oct 2017 8:01  
 Operator : SJ/JU  
 Sample : I6092-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WYANDANCH-STA(9-12)-COMP

Quant Time: Oct 30 06:56:33 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 76703    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 320571   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 209517   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 536187   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 583238   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.10 | 264  | 572698   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 669389   | 145.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 796668   | 123.61 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 551638   | 109.35 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 485867   | 179.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 1432298  | 100.26 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 2419551  | 94.38  | ng    | 0.00     |

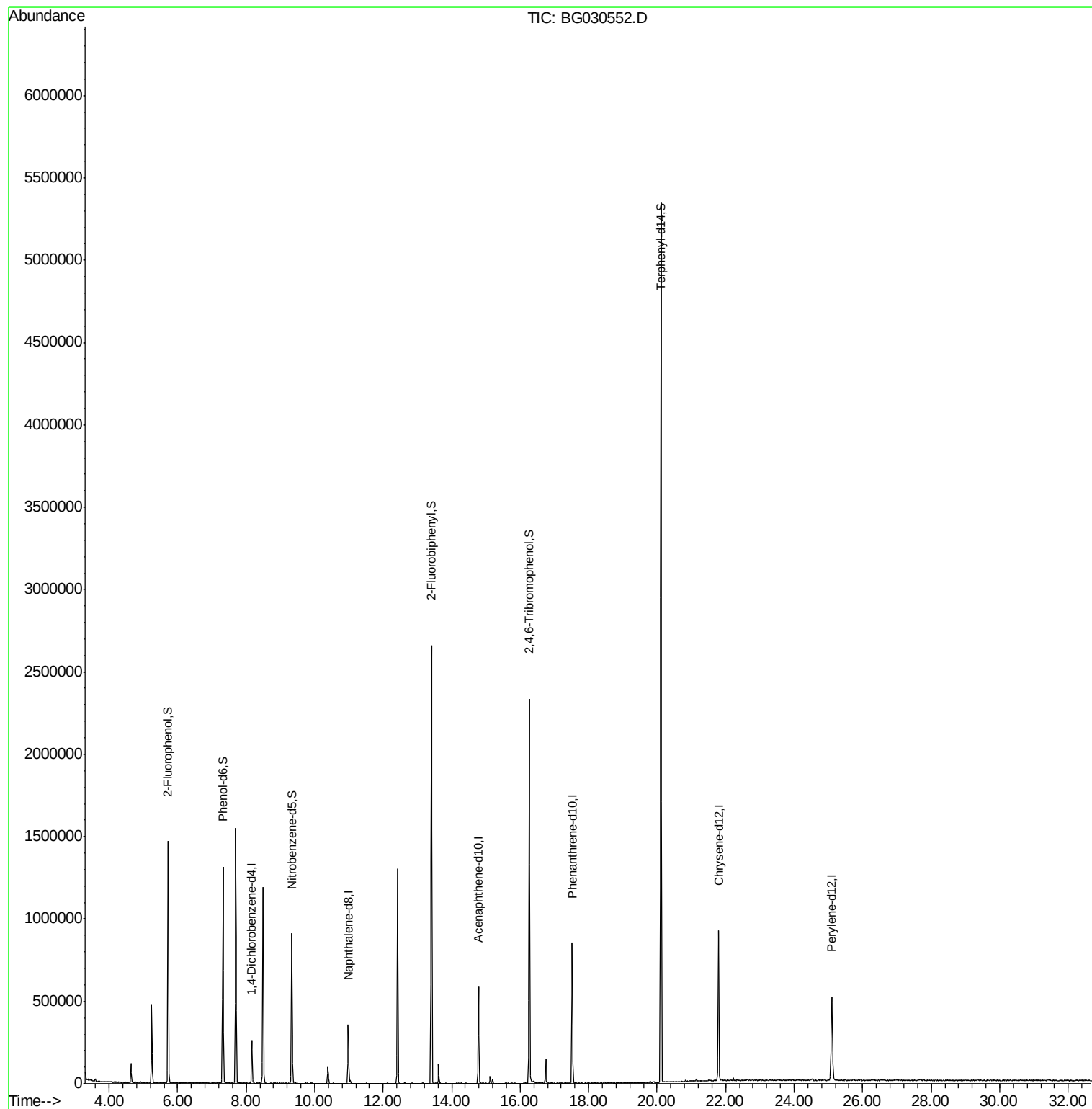
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

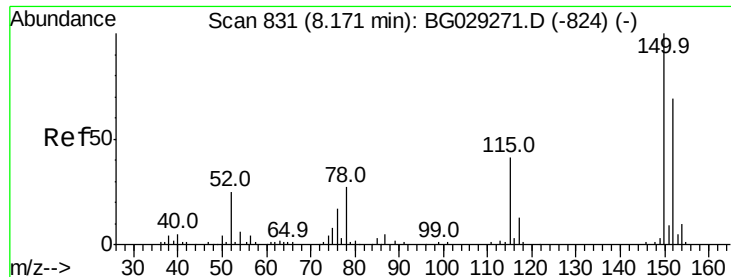
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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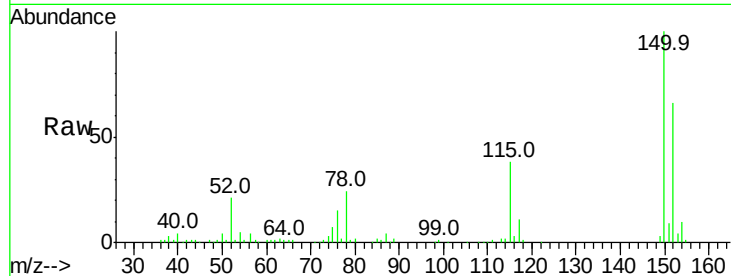


#1

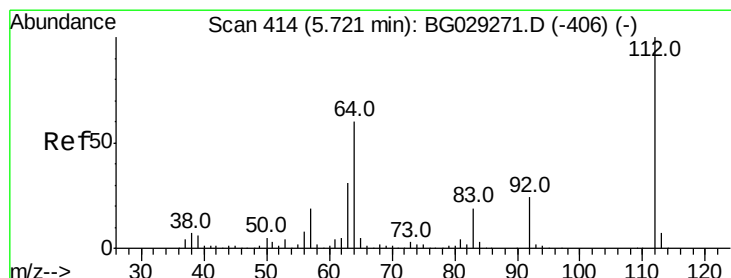
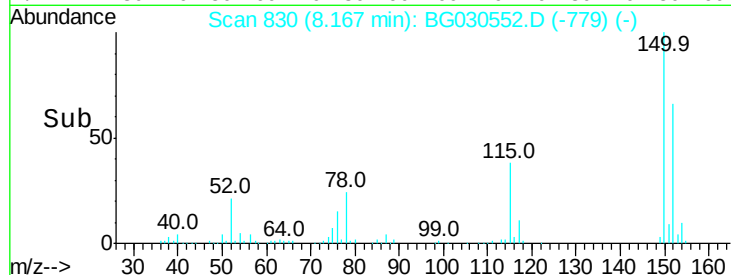
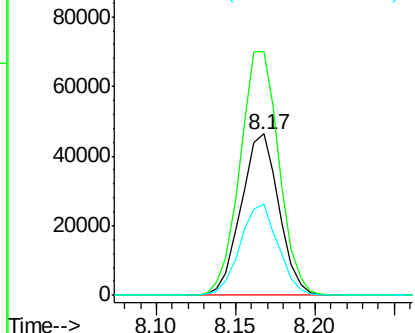
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BG030552.D  
Acq: 29 Oct 2017 8:01

Instrument :  
BNA\_G  
ClientSampleId :  
WYANDANCH-STA(9-12)-COMP

Tot Ion:152 Resp: 76703  
Ion Ratio Lower Upper  
152 100  
150 150.6 126.6 189.8  
115 56.6 53.0 79.4



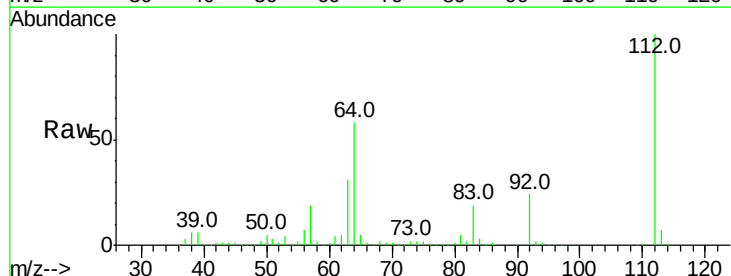
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



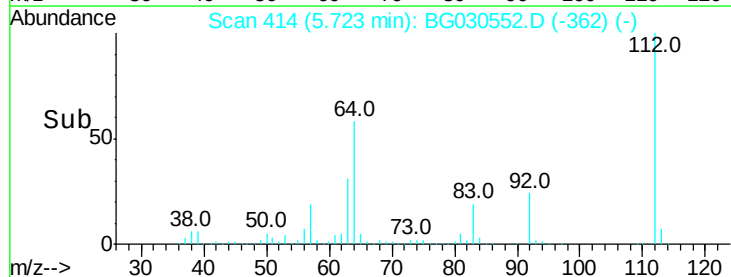
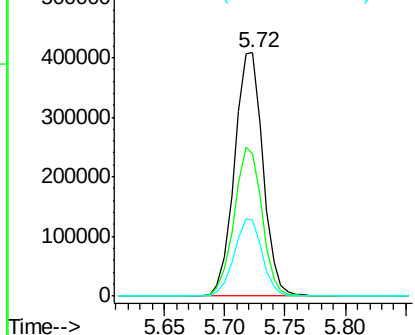
#5

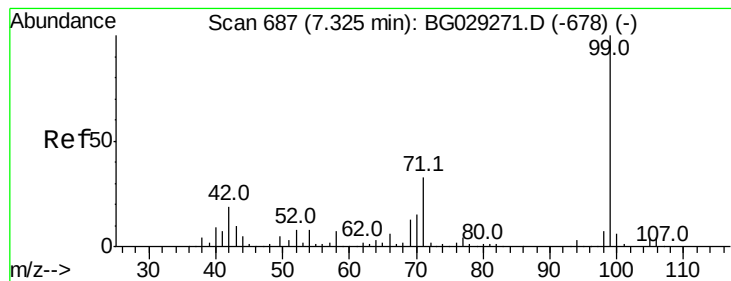
2-Fluorophenol  
Concen: 145.790 ng  
RT: 5.72 min Scan# 414  
Delta R.T. 0.00 min  
Lab File: BG030552.D  
Acq: 29 Oct 2017 8:01

Tgt Ion:112 Resp: 669389  
Ion Ratio Lower Upper  
112 100  
64 58.3 56.3 84.5  
63 31.0 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: 123.613 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG030552.D

Acq: 29 Oct 2017 8:01

Instrument :

BNA\_G

ClientSampleId :

WYANDANCH-STA(9-12)-COMP

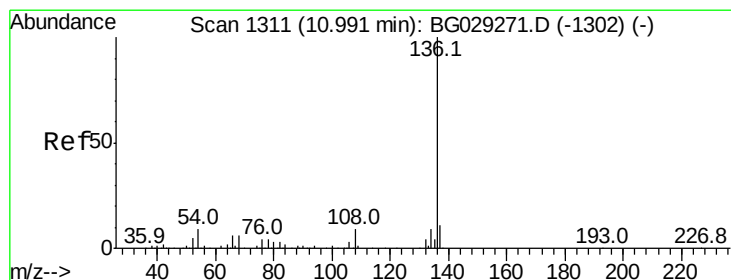
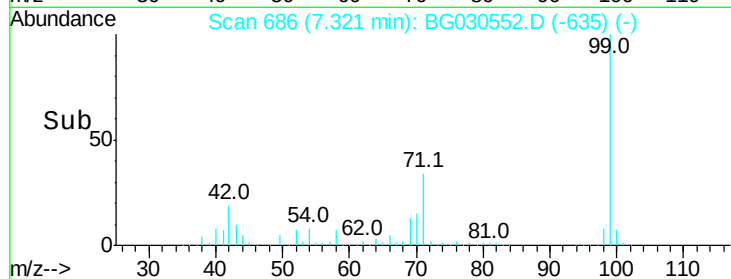
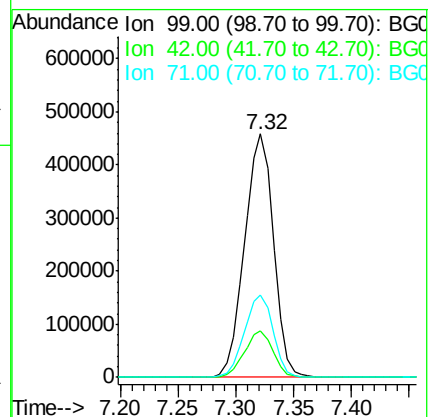
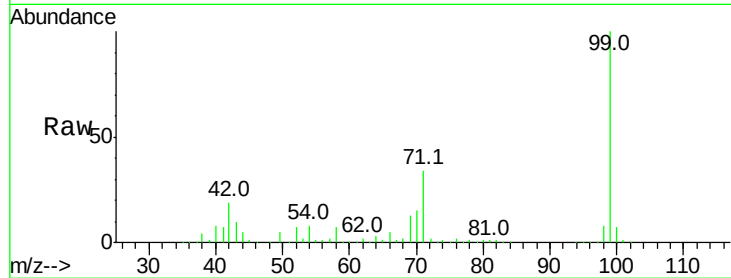
Tot Ion: 99 Resp: 796668

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

71 33.7 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG030552.D

Acq: 29 Oct 2017 8:01

Tgt Ion: 136 Resp: 320571

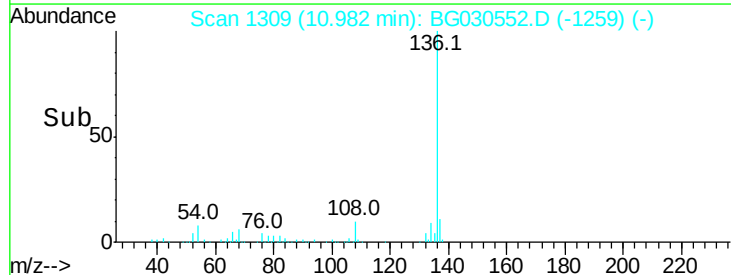
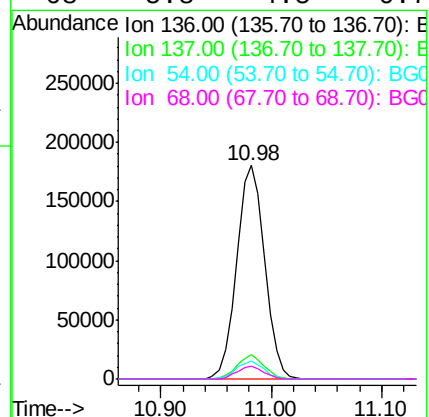
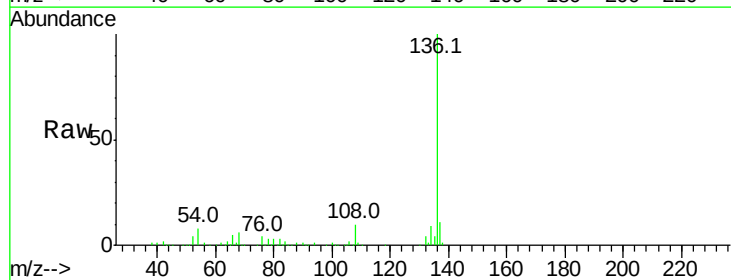
Ion Ratio Lower Upper

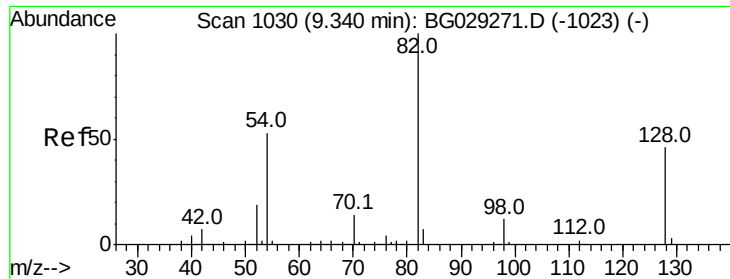
136 100

137 11.3 9.2 13.8

54 8.2 10.3 15.5#

68 5.8 4.5 6.7

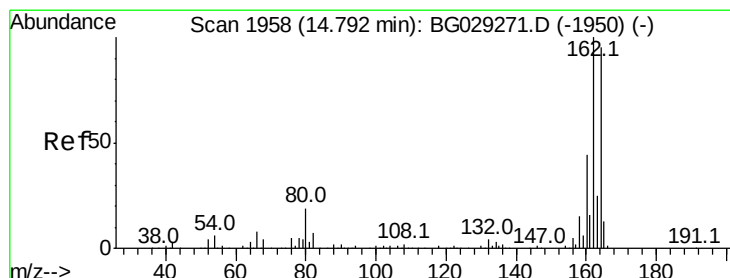
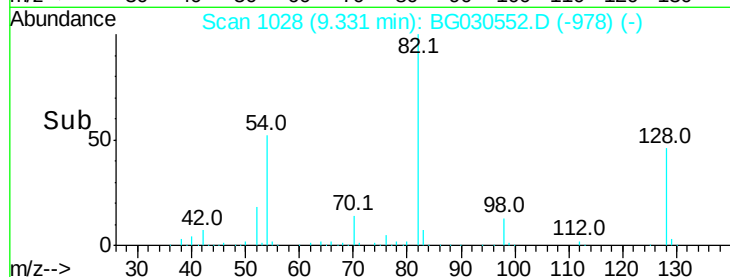
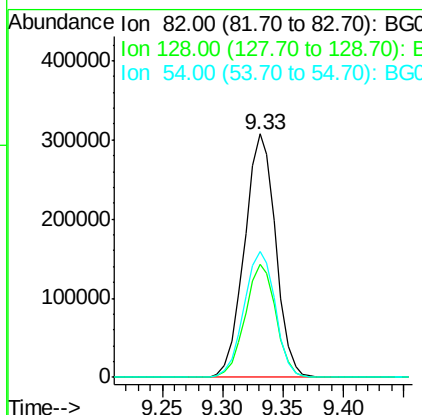
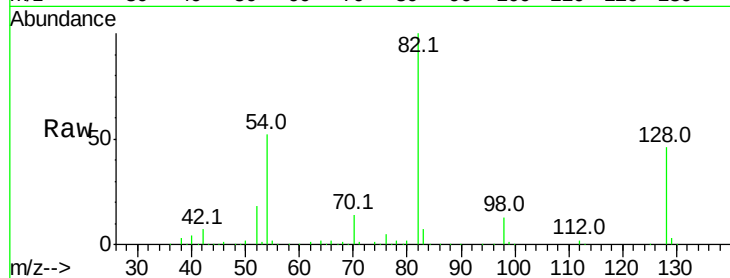




#23  
Nitrobenzene-d5  
Concen: 109.352 ng  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG030552.D  
Acq: 29 Oct 2017 8:01

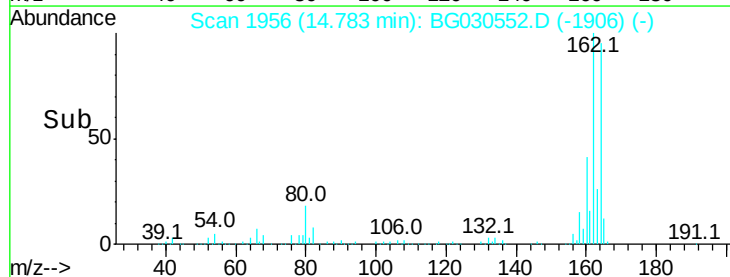
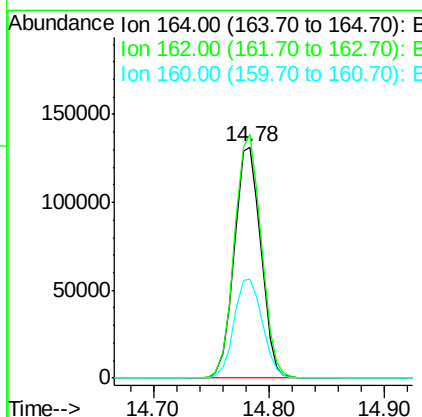
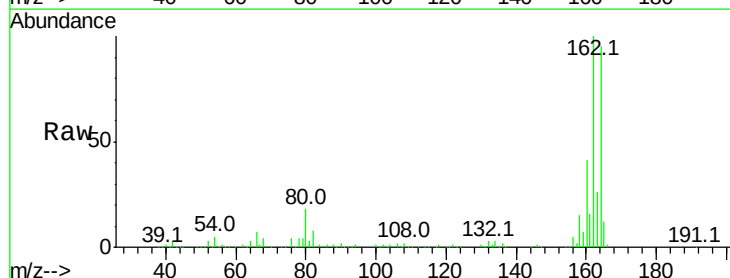
Instrument :  
BNA\_G  
ClientSampleId :  
WYANDANCH-STA(9-12)-COMP

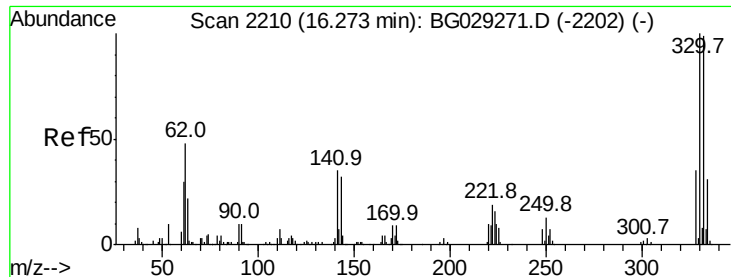
Tot Ion: 82 Resp: 551638  
Ion Ratio Lower Upper  
82 100  
128 46.5 29.7 44.5#  
54 51.5 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BG030552.D  
Acq: 29 Oct 2017 8:01

Tgt Ion:164 Resp: 209517  
Ion Ratio Lower Upper  
164 100  
162 105.4 78.8 118.2  
160 42.8 35.4 53.0

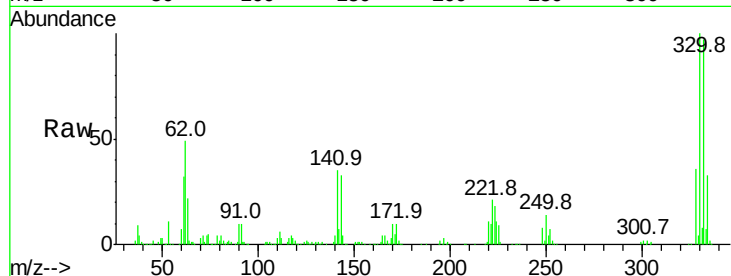




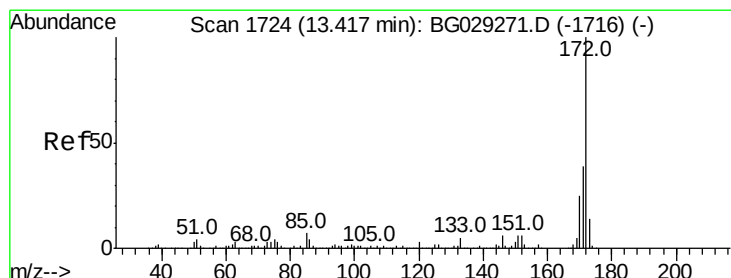
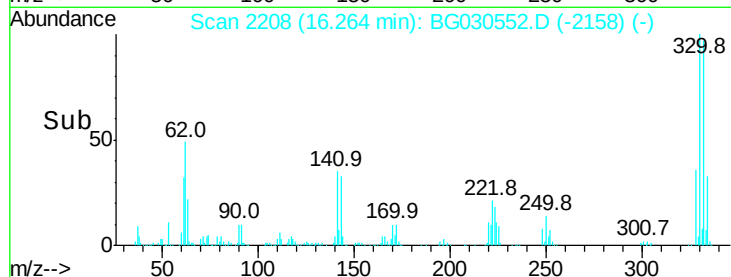
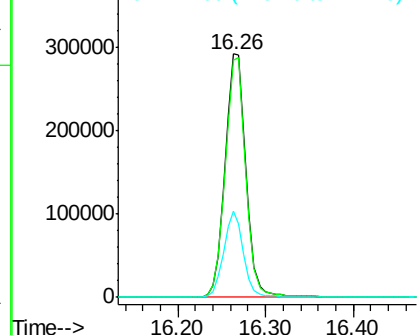
#41  
 2,4,6-Tribromophenol  
 Concen: 179.613 ng  
 RT: 16.26 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WYANDANCH-STA(9-12)-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.0  | 115.6 |
| 141     | 33.1  | 25.2  | 37.8  |

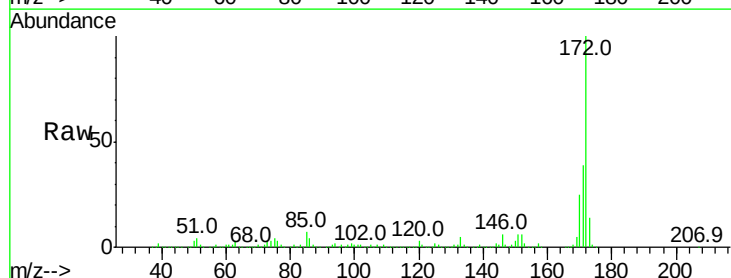


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

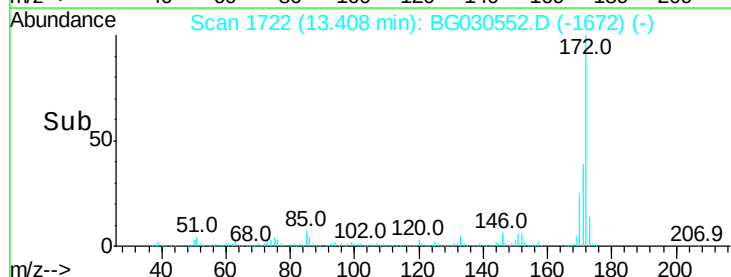
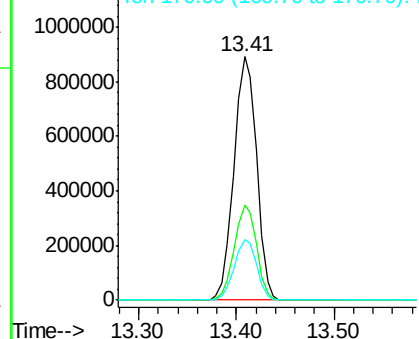


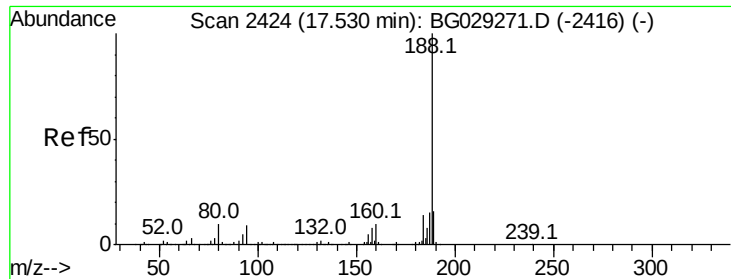
#44  
 2-Fluorobiphenyl  
 Concen: 100.263 ng  
 RT: 13.41 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 30.0  | 45.0  |
| 170     | 24.7  | 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

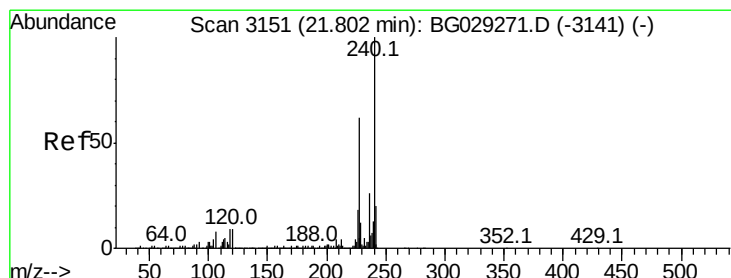
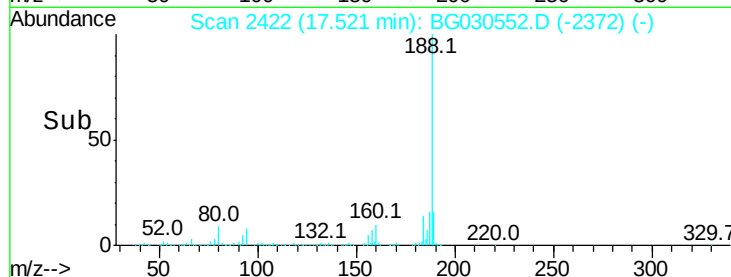
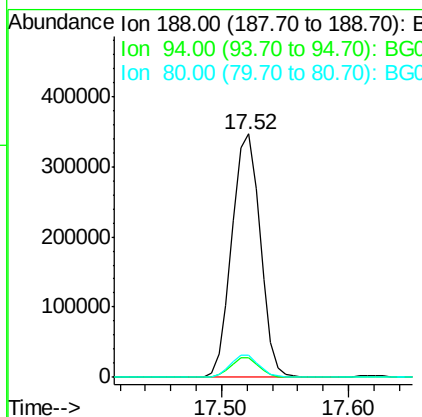
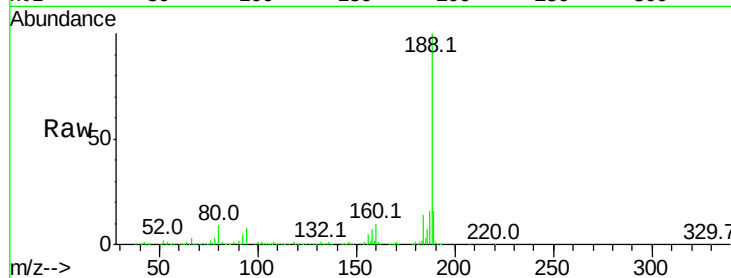




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2422  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

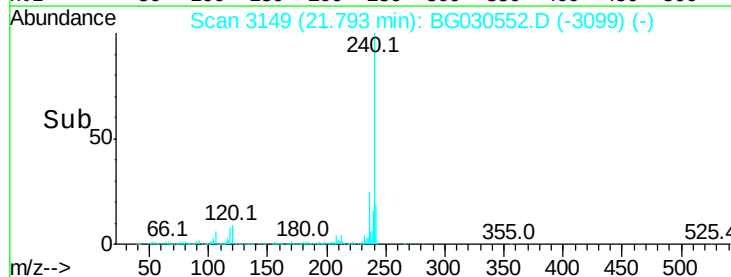
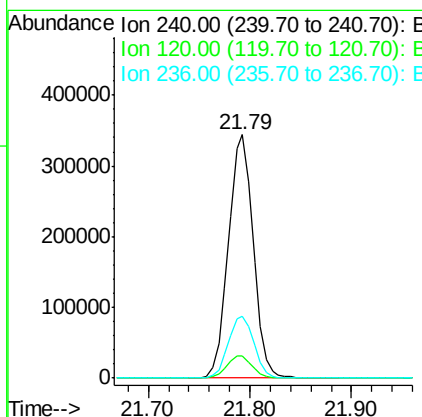
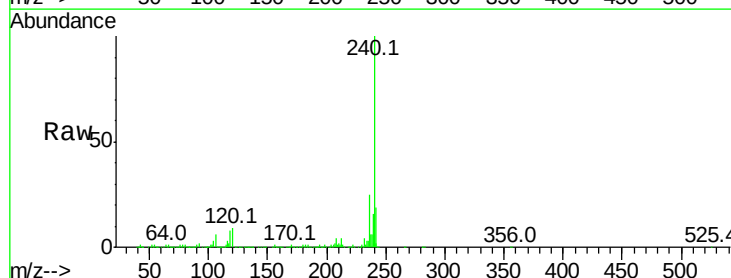
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 WYANDANCH-STA(9-12)-COMP

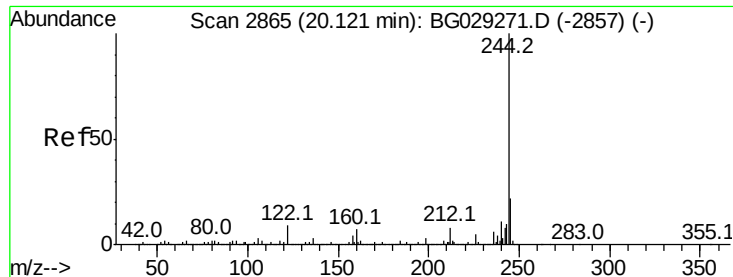
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 6.9   | 10.3  |
| 80      | 9.3   | 7.7   | 11.5  |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.79 min Scan# 3149  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.1   | 6.8   | 10.2  |
| 236     | 25.4  | 20.9  | 31.3  |

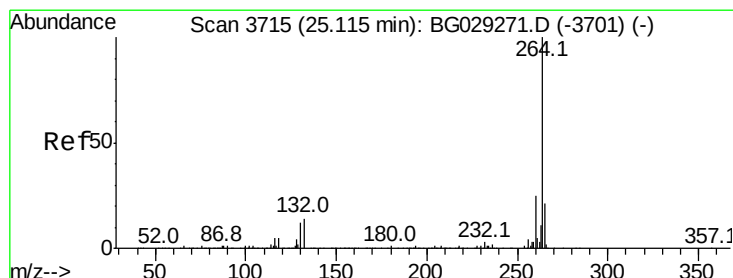
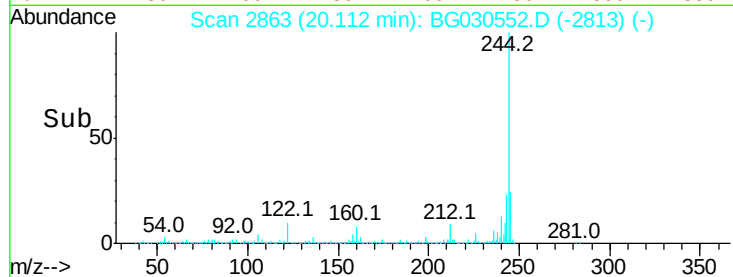
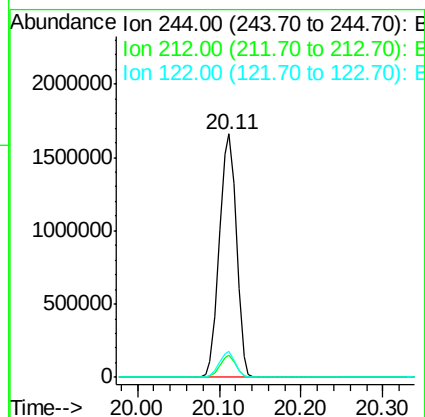
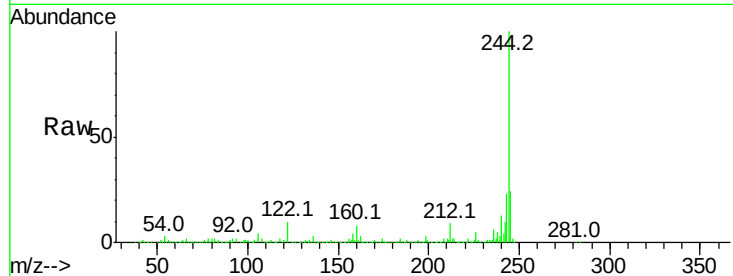




#78  
 Terphenyl-d14  
 Concen: 94.375 ng  
 RT: 20.11 min Scan# 2863  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tot Ion:244 Resp: 2419551  
 Ion Ratio Lower Upper  
 244 100  
 212 8.9 5.8 8.8#  
 122 10.4 7.0 10.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.10 min Scan# 3712  
 Delta R.T. -0.01 min  
 Lab File: BG030552.D  
 Acq: 29 Oct 2017 8:01

Tgt Ion:264 Resp: 572698  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 17.4 26.0  
 265 21.5 17.7 26.5

