

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080118\  
 Data File : BG036035.D  
 Acq On : 1 Aug 2018 15:56  
 Operator : JU/SJ  
 Sample : J4257-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-BPM-03-001-A

Quant Time: Aug 01 16:34:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

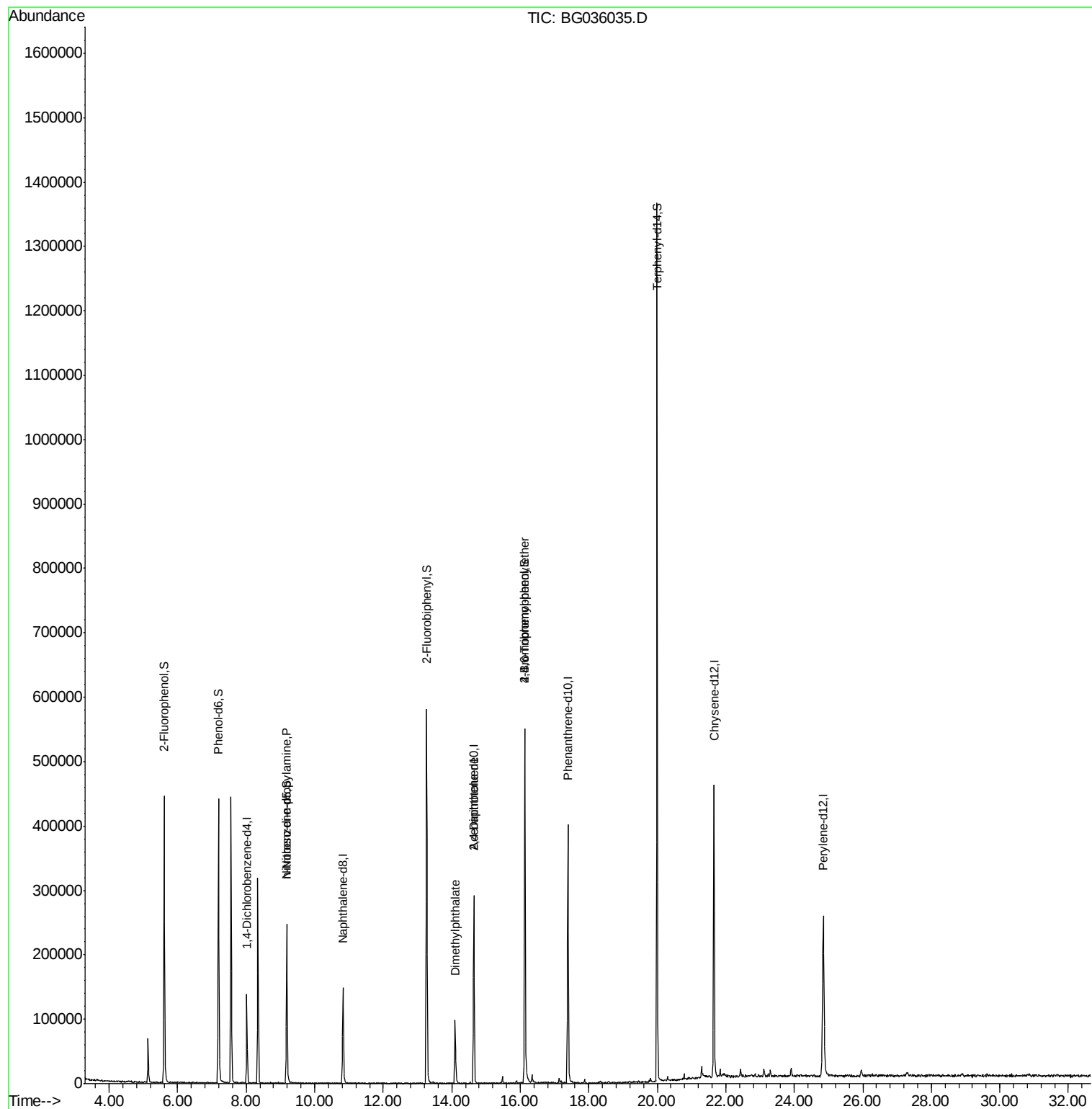
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.03  | 152  | 40137    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.83 | 136  | 139294   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.65 | 164  | 104789   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.39 | 188  | 290675   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 21.65 | 240  | 318409   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 24.84 | 264  | 303238   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 196553   | 81.30 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.19  | 99   | 276526   | 76.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.18  | 82   | 185328   | 55.58 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.14 | 330  | 116577   | 84.40 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.27 | 172  | 353225   | 45.16 | ng    | -0.01    |
| 78) Terphenyl-d14              | 19.99 | 244  | 690869   | 47.83 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.18  | 70   | 24673    | 8.123 | ng    | # 73     |
| 49) Dimethylphthalate          | 14.10 | 163  | 88579    | 9.648 | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 14.65 | 165  | 13809    | 5.148 | ng    | # 17     |
| 66) 4-Bromophenyl-phenylether  | 16.13 | 248  | 9571     | 2.838 | ng    | # 1      |

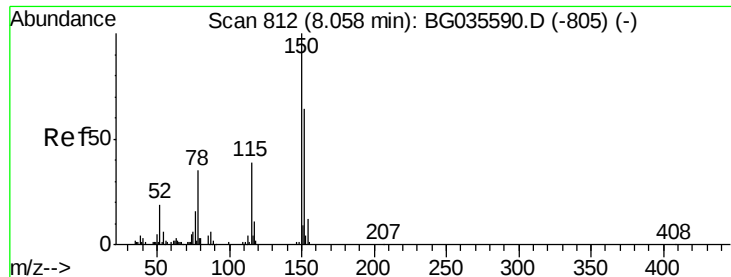
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080118\  
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BNA\_G  
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FK-BPM-03-001-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 2018  
Response via : Initial Calibration



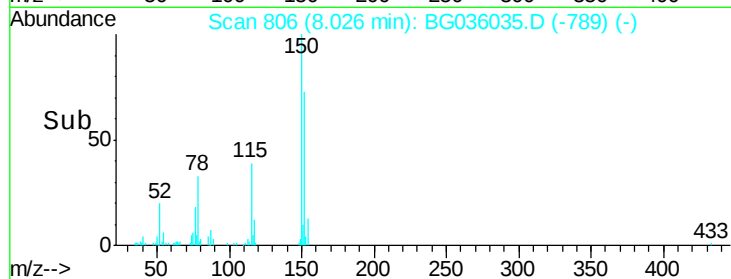
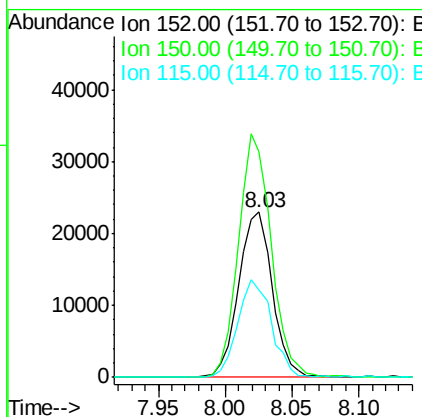
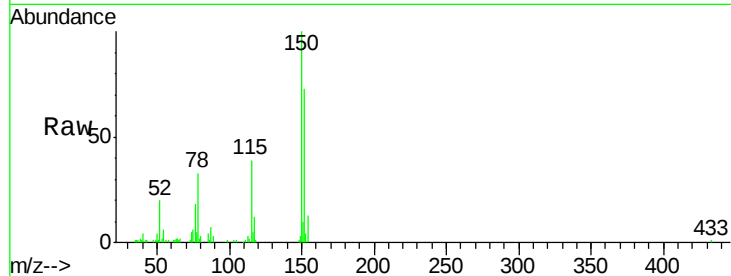


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-03-001-A

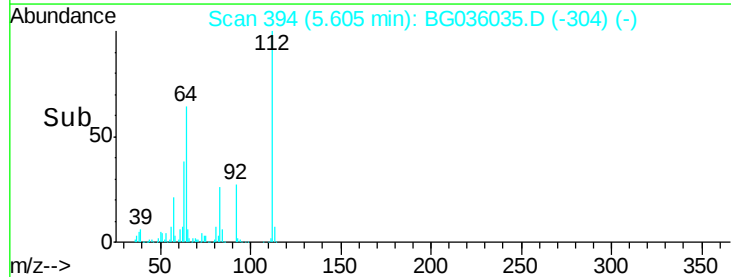
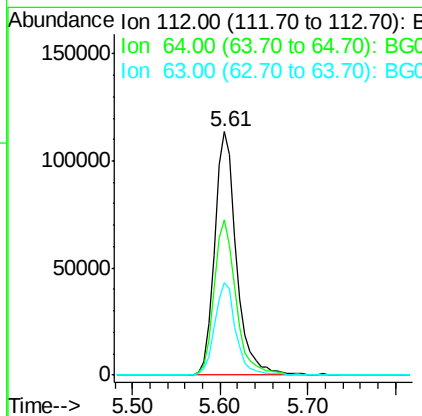
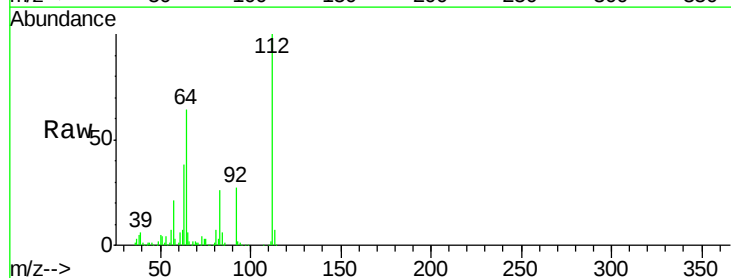
Tgt Ion:152 Resp: 40137  
Ion Ratio Lower Upper  
152 100  
150 136.5 126.6 189.8  
115 52.9 53.0 79.4#

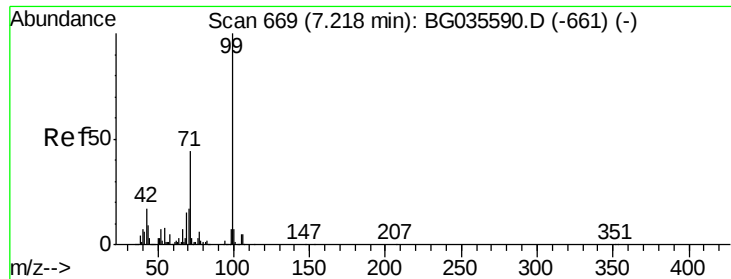


#5

2-Fluorophenol  
Concen: 81.303 ng  
RT: 5.61 min Scan# 394  
Delta R.T. 0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

Tgt Ion:112 Resp: 196553  
Ion Ratio Lower Upper  
112 100  
64 64.0 56.3 84.5  
63 38.1 30.1 45.1





#7

Phenol-d6

Concen: 76.665 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG036035.D

Acq: 1 Aug 2018 15:56

Instrument :

BNA\_G

ClientSampleId :

FK-BPM-03-001-A

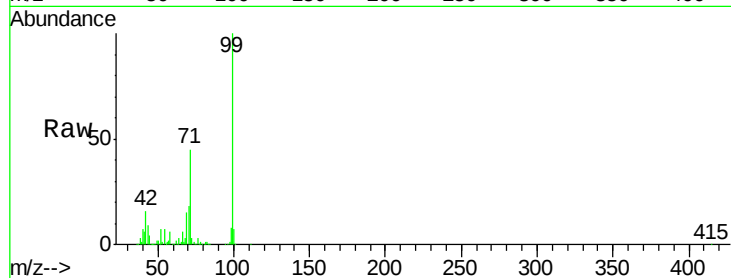
Tgt Ion: 99 Resp: 276526

Ion Ratio Lower Upper

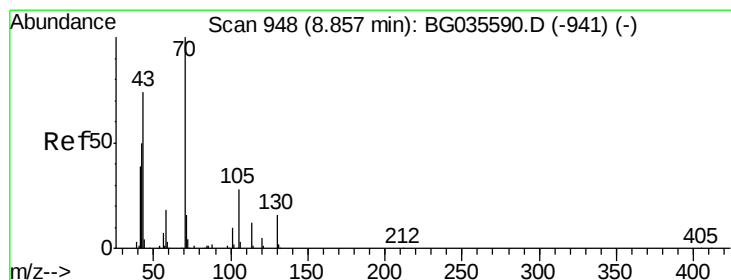
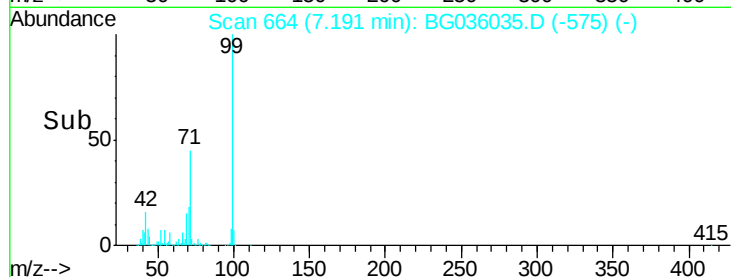
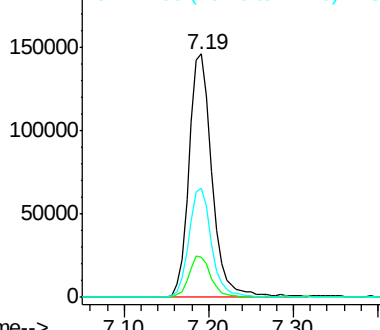
99 100

42 16.5 14.1 21.1

71 44.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 8.123 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036035.D

Acq: 1 Aug 2018 15:56

Tgt Ion: 70 Resp: 24673

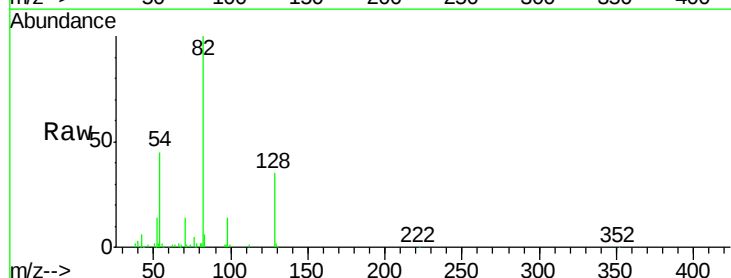
Ion Ratio Lower Upper

70 100

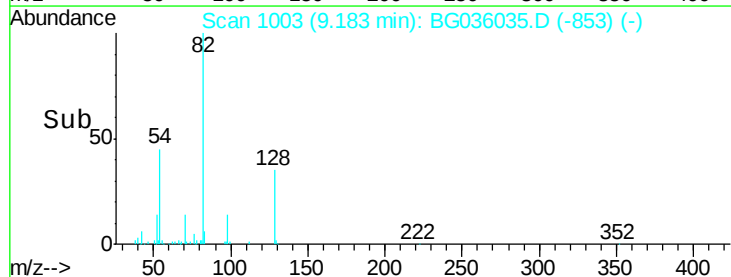
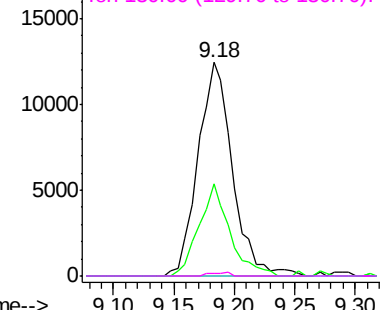
42 42.9 49.1 73.7#

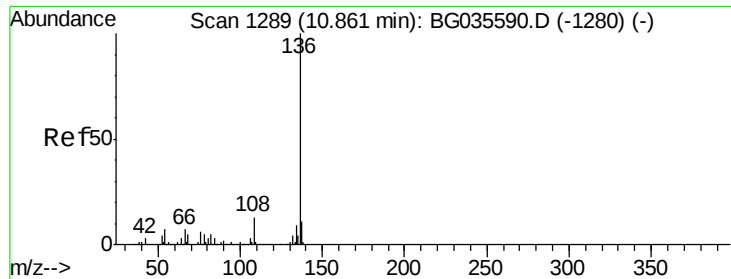
101 0.0 8.5 12.7#

130 1.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

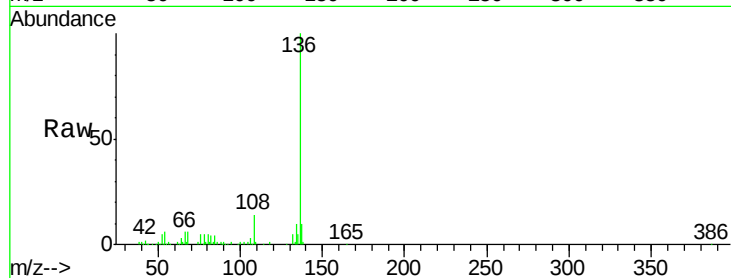




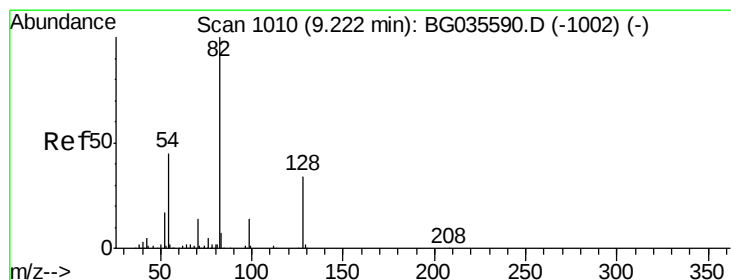
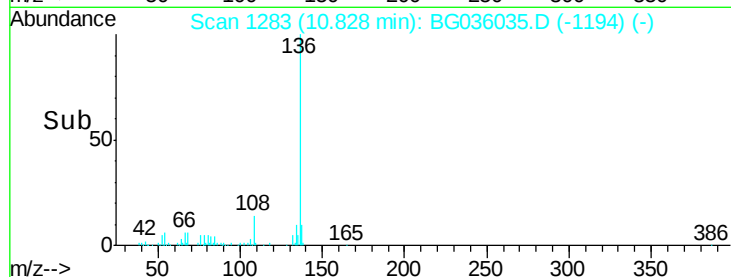
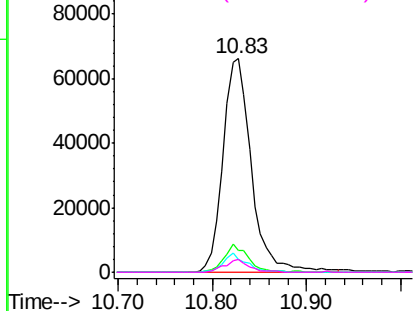
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-03-001-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 139294 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.1  | 9.2   | 13.8   |
| 54       | 5.9   | 10.3  | 15.5#  |
| 68       | 6.1   | 4.5   | 6.7    |

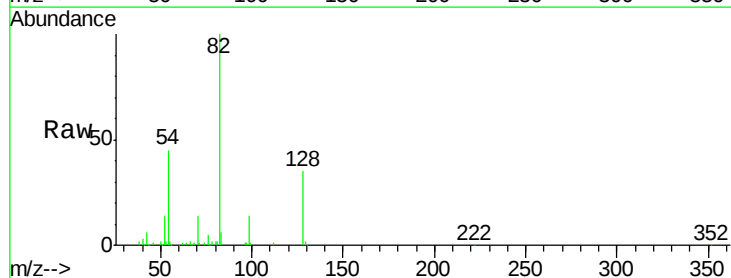


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

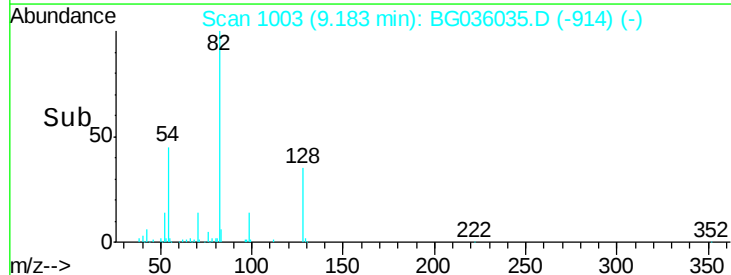
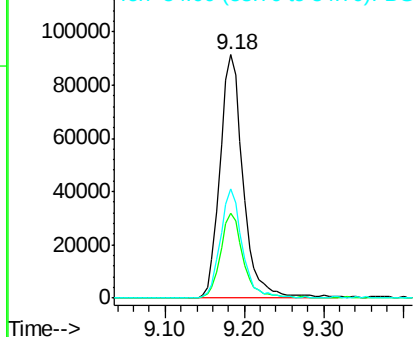


#23  
Nitrobenzene-d5  
Concen: 55.580 ng  
RT: 9.18 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 185328 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.7  | 29.7  | 44.5   |
| 54       | 45.1  | 43.1  | 64.7   |



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG036035.D

Acq: 1 Aug 2018 15:56

Instrument :

BNA\_G

ClientSampleId :

FK-BPM-03-001-A

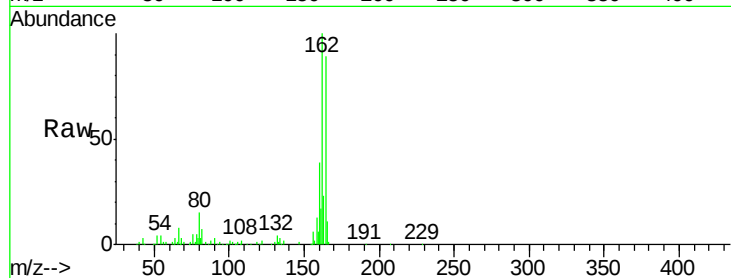
Tgt Ion:164 Resp: 104789

Ion Ratio Lower Upper

164 100

162 112.5 78.8 118.2

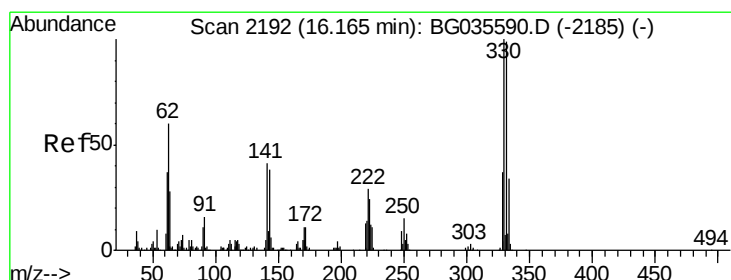
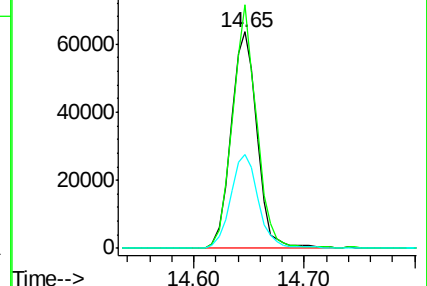
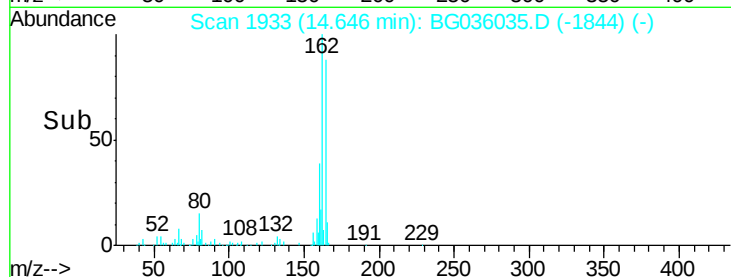
160 43.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 84.404 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG036035.D

Acq: 1 Aug 2018 15:56

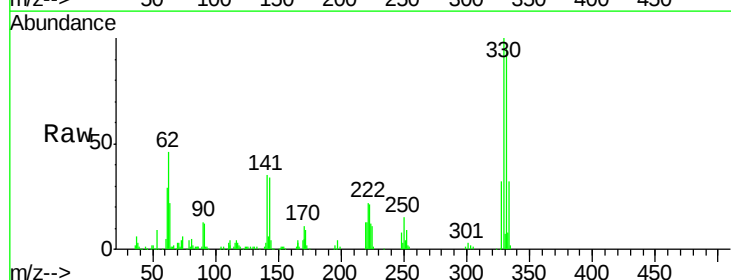
Tgt Ion:330 Resp: 116577

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

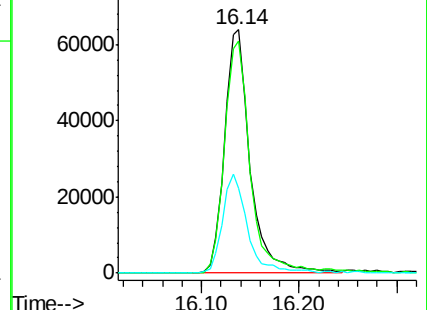
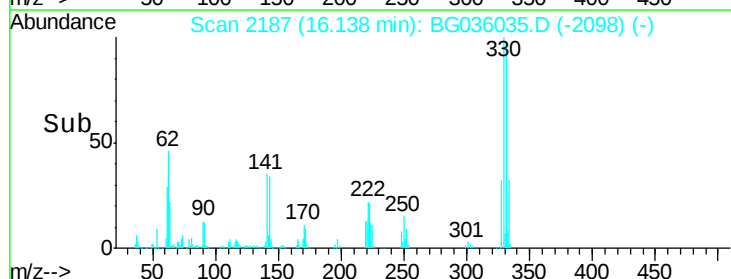
141 39.5 25.2 37.8#

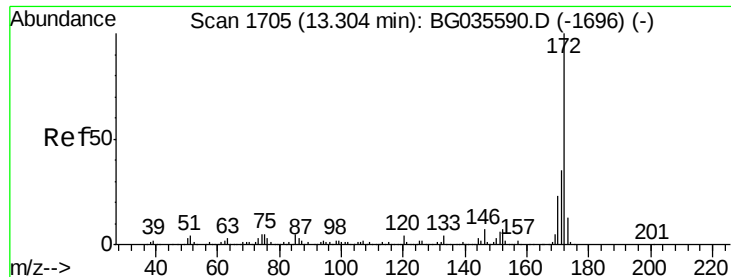


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

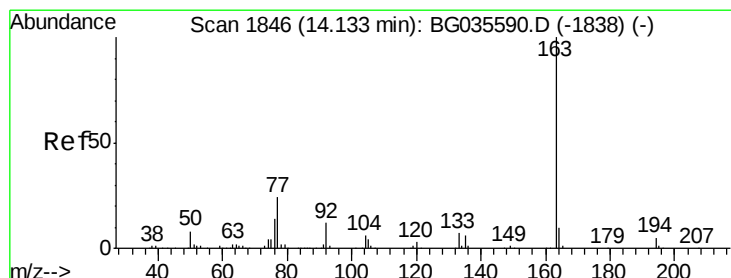
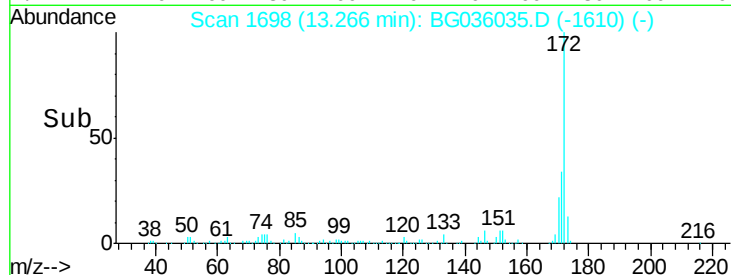
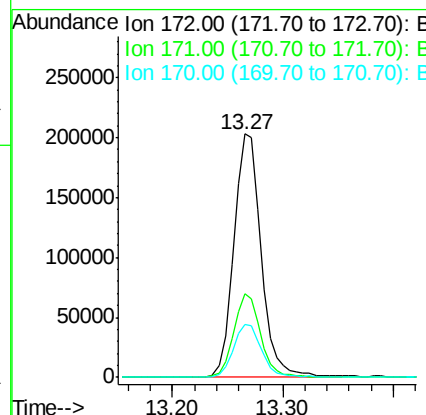
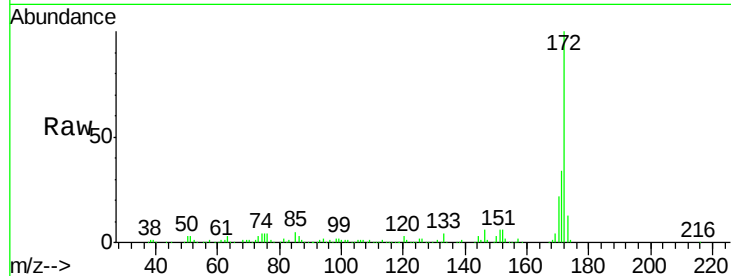




#44  
 2-Fluorobiphenyl  
 Concen: 45.160 ng  
 RT: 13.27 min Scan# 1698  
 Delta R.T. -0.01 min  
 Lab File: BG036035.D  
 Acq: 1 Aug 2018 15:56

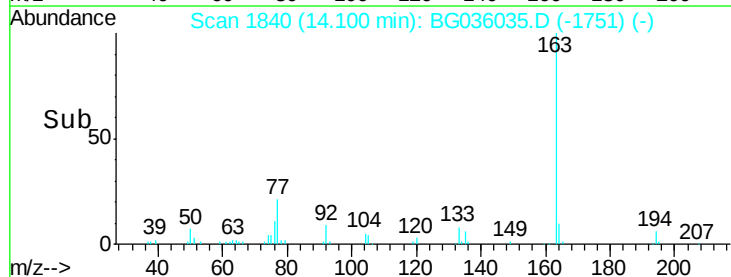
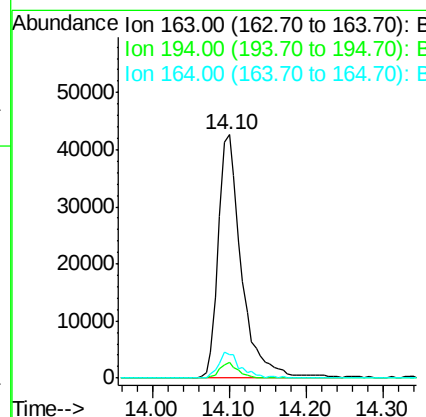
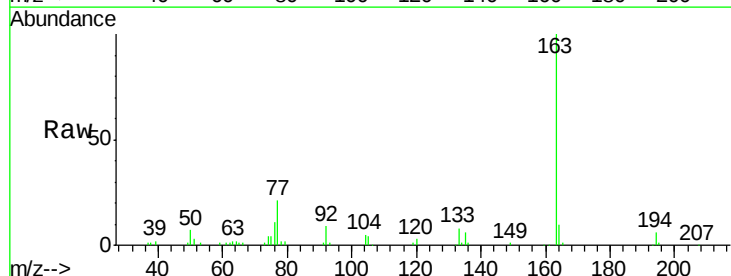
Instrument :  
 BNA\_G  
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 FK-BPM-03-001-A

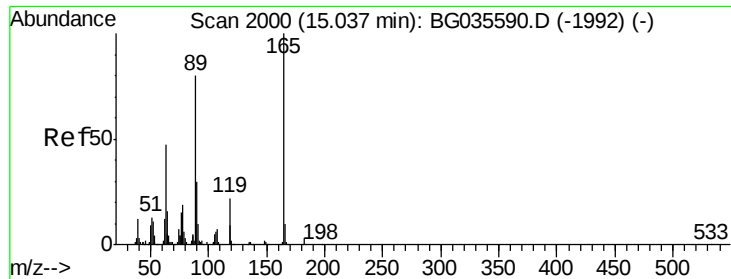
Tgt Ion:172 Resp: 353225  
 Ion Ratio Lower Upper  
 172 100  
 171 34.1 30.0 45.0  
 170 21.6 19.5 29.3



#49  
 Dimethylphthalate  
 Concen: 9.648 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG036035.D  
 Acq: 1 Aug 2018 15:56

Tgt Ion:163 Resp: 88579  
 Ion Ratio Lower Upper  
 163 100  
 194 6.4 3.4 5.2#  
 164 9.6 8.2 12.4

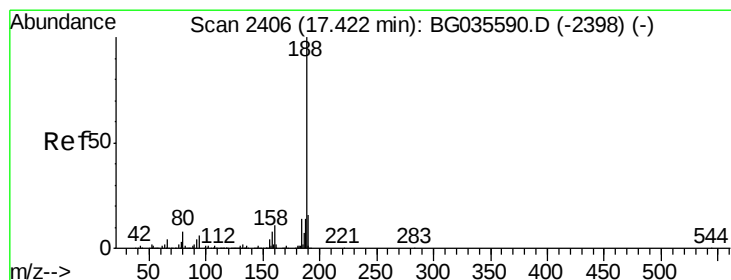
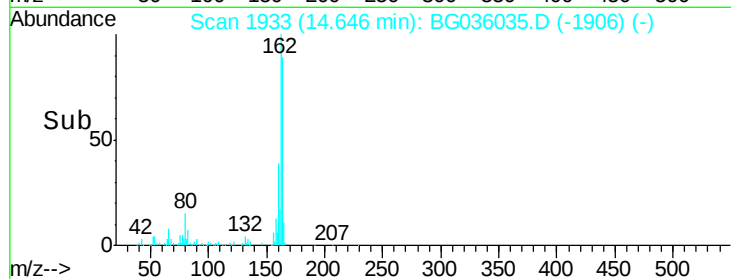
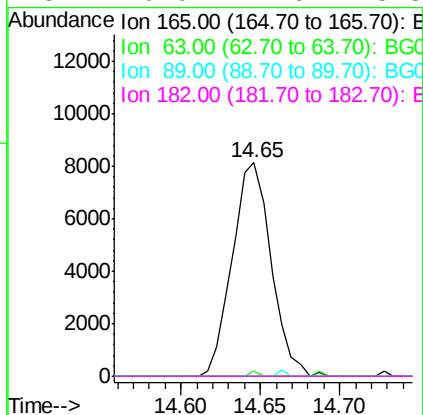
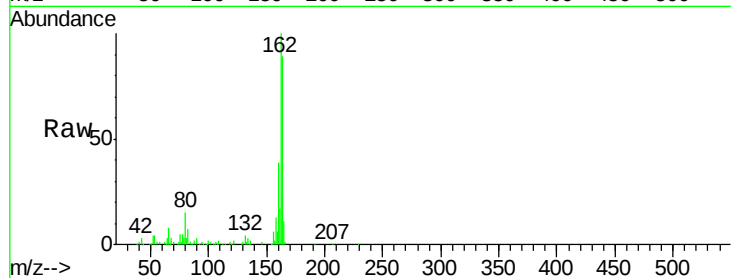




#56  
2,4-Dinitrotoluene  
Concen: 5.148 ng  
RT: 14.65 min Scan# 1933  
Delta R.T. -0.37 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

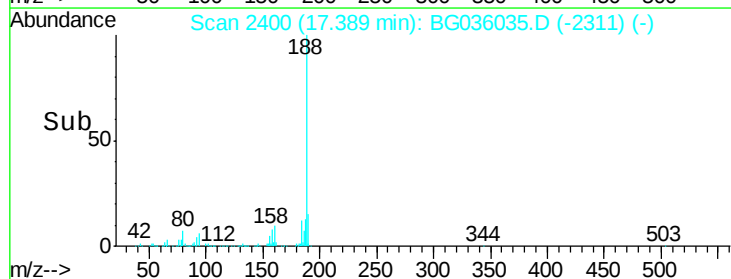
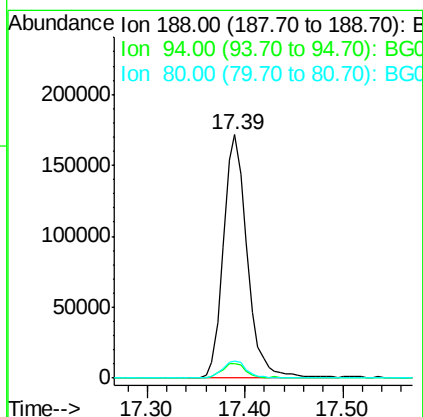
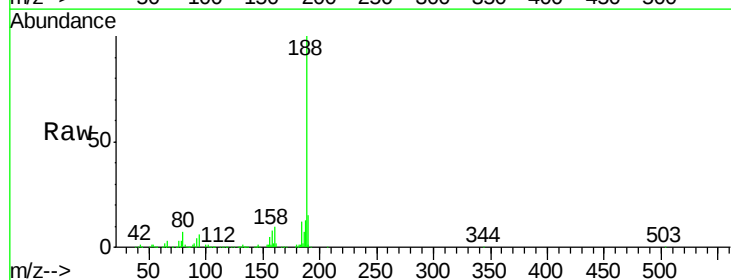
Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-03-001-A

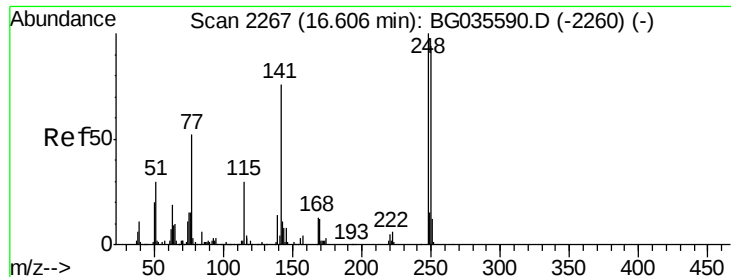
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 2.3   | 42.0  | 63.0#  |
| 89      | 0.0   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2400  
Delta R.T. -0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.1   | 6.9   | 10.3# |
| 80      | 7.0   | 7.7   | 11.5# |

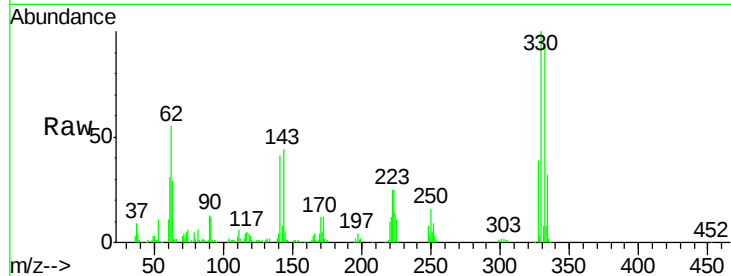




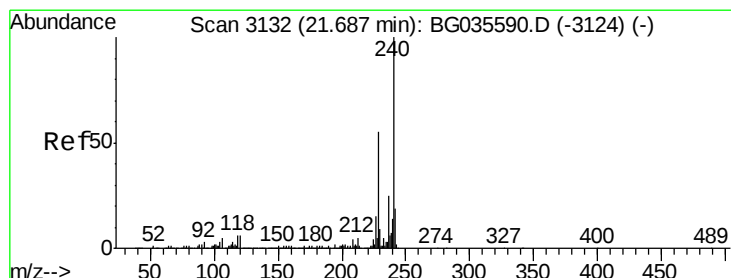
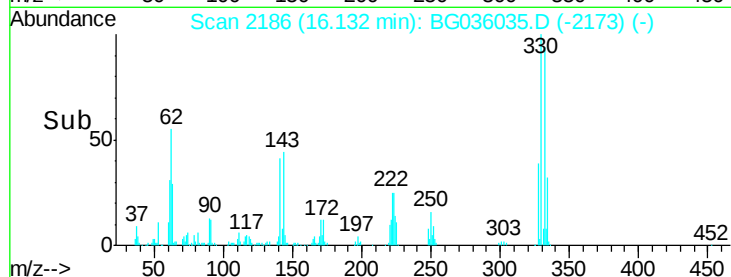
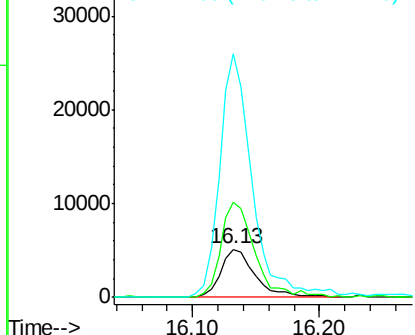
#66  
4-Bromophenyl-phenylether  
Concen: 2.838 ng  
RT: 16.13 min Scan# 2186  
Delta R.T. -0.45 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-03-001-A

Tgt Ion:248 Resp: 9571  
Ion Ratio Lower Upper  
248 100  
250 198.0 77.1 115.7#  
141 508.0 50.8 76.2#

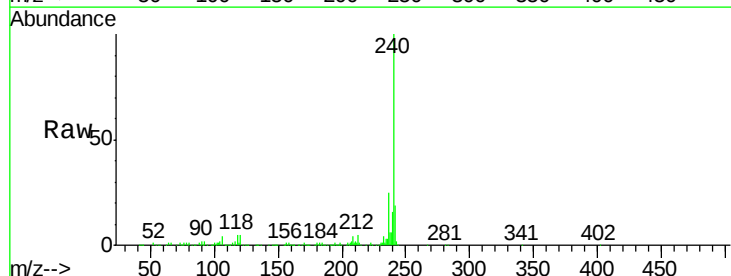


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

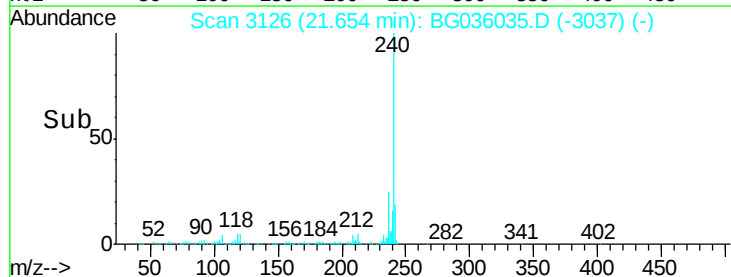
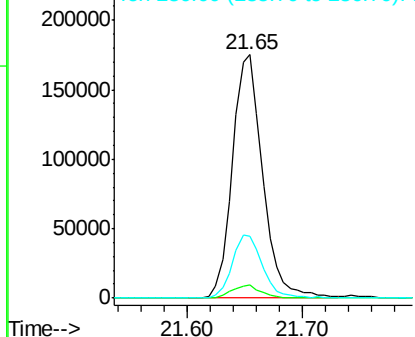


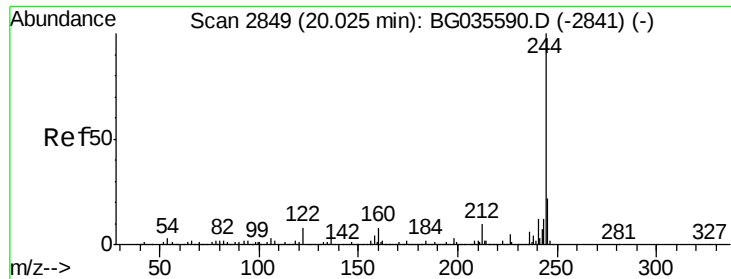
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.65 min Scan# 3126  
Delta R.T. -0.00 min  
Lab File: BG036035.D  
Acq: 1 Aug 2018 15:56

Tgt Ion:240 Resp: 318409  
Ion Ratio Lower Upper  
240 100  
120 5.4 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

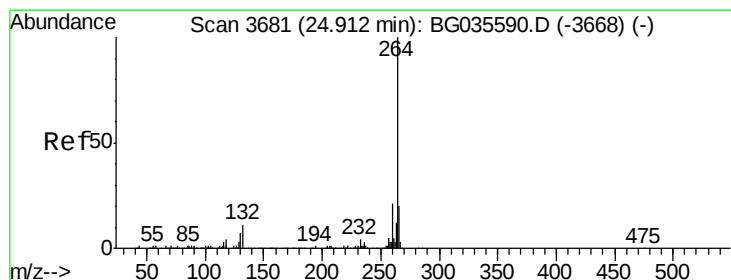
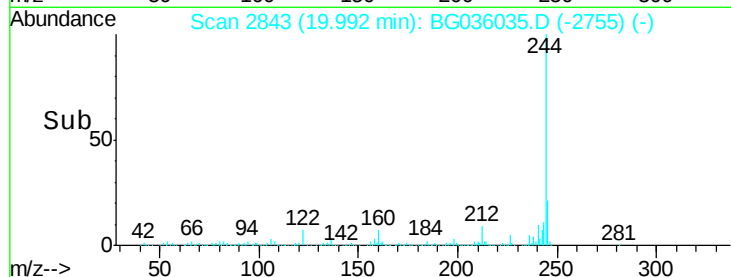
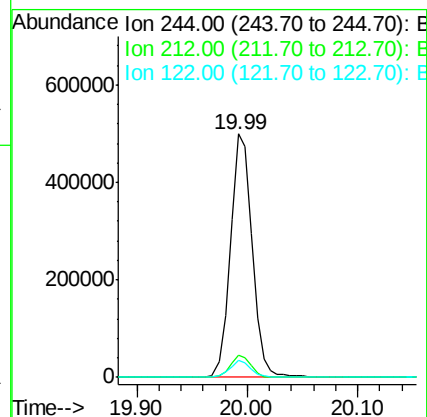
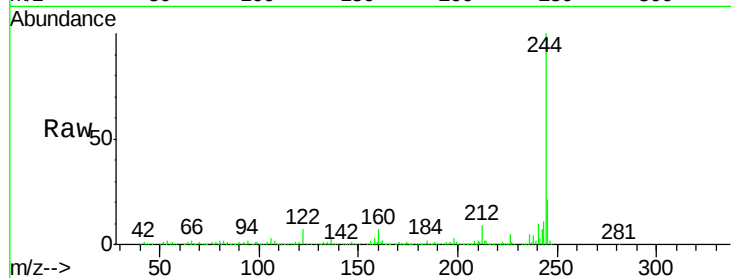




#78  
 Terphenyl-d14  
 Concen: 47.828 ng  
 RT: 19.99 min Scan# 2843  
 Delta R.T. -0.01 min  
 Lab File: BG036035.D  
 Acq: 1 Aug 2018 15:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-BPM-03-001-A

Tgt Ion:244 Resp: 690869  
 Ion Ratio Lower Upper  
 244 100  
 212 8.9 5.8 8.8#  
 122 6.8 7.0 10.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.84 min Scan# 3669  
 Delta R.T. -0.02 min  
 Lab File: BG036035.D  
 Acq: 1 Aug 2018 15:56

Tgt Ion:264 Resp: 303238  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 17.4 26.0  
 265 21.3 17.7 26.5

