

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120718\  
 Data File : BG038429.D  
 Acq On : 8 Dec 2018 9:16  
 Operator : JU/SJ  
 Sample : J6019-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

Quant Time: Dec 10 03:09:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

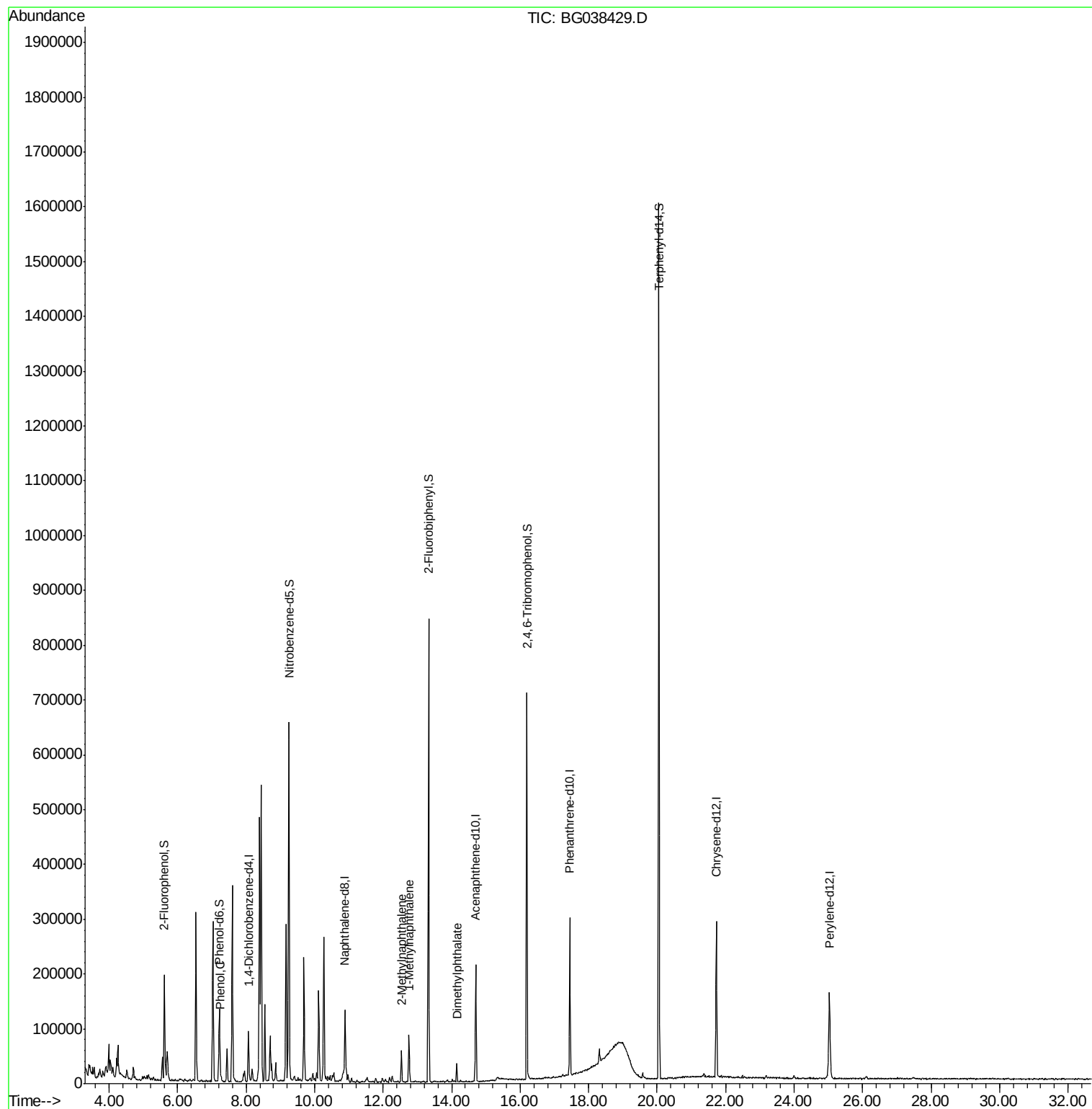
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 25546    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.89 | 136  | 108886   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.70 | 164  | 74270    | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.45 | 188  | 183034   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.73 | 240  | 176131   | 20.00  | ng    | -0.01       |
| 87) Perylene-d12            | 25.03 | 264  | 180802   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.61  | 112  | 83878    | 58.10  | ng    | 0.00        |
| 7) Phenol-d6                | 7.22  | 99   | 72173    | 34.59  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 294523   | 134.29 | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 134296   | 147.29 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 456771   | 87.63  | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.05 | 244  | 762981   | 92.80  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.24  | 94   | 5581     | 2.532  | ng    | Qvalue # 73 |
| 37) 2-Methylnaphthalene     | 12.53 | 142  | 28693    | 7.746  | ng    | 95          |
| 38) 1-Methylnaphthalene     | 12.76 | 142  | 38934    | 10.975 | ng    | 98          |
| 50) Dimethylphthalate       | 14.15 | 163  | 23871    | 4.007  | ng    | 98          |

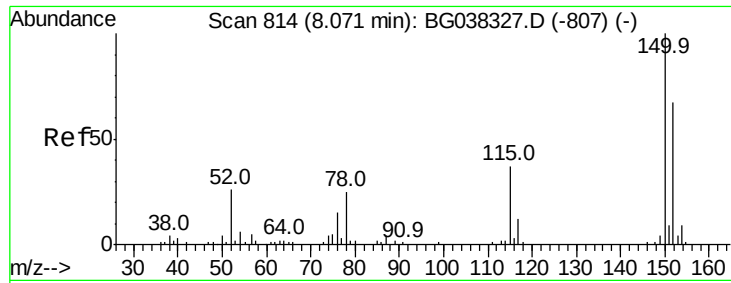
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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QLast Update : Tue Dec 04 17:15:40 2018  
Response via : Initial Calibration



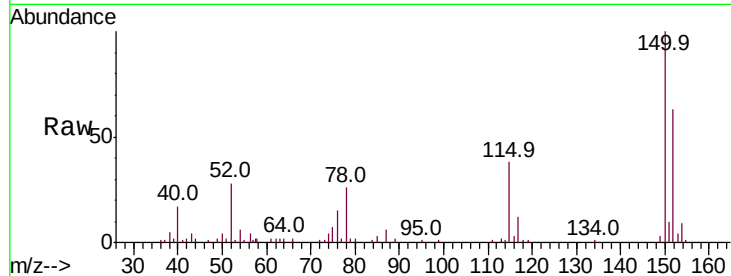


#1

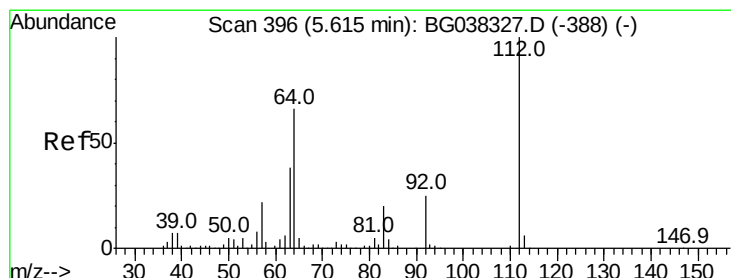
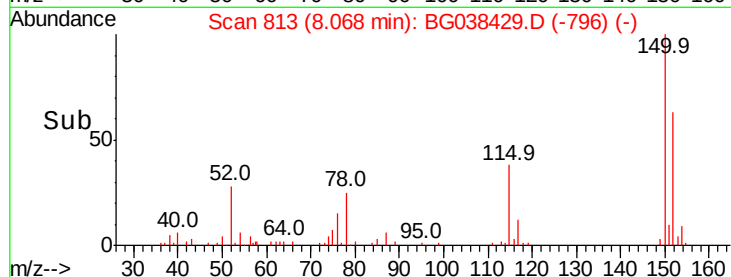
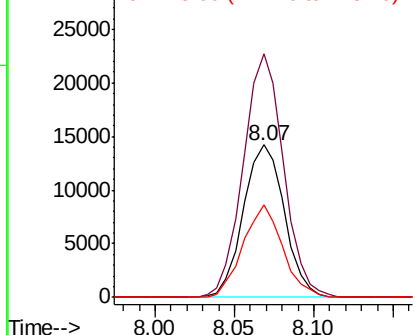
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

Tot Ion:152 Resp: 25546  
Ion Ratio Lower Upper  
152 100  
150 159.6 126.0 189.0  
115 60.3 45.5 68.3



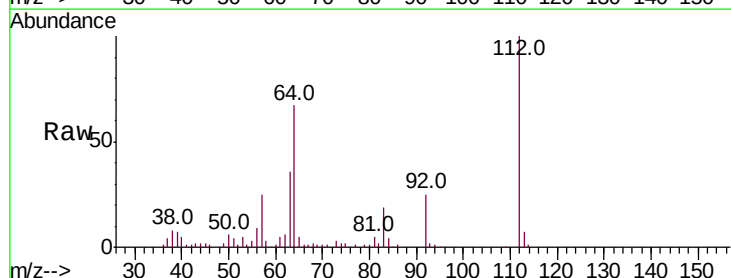
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



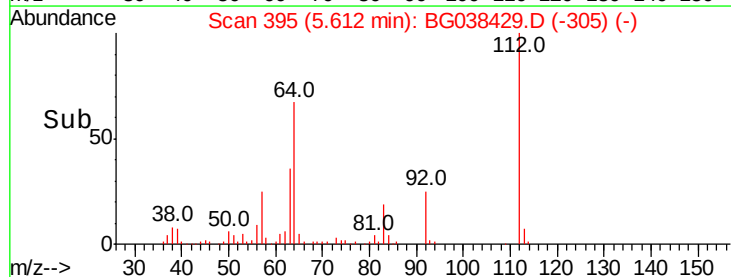
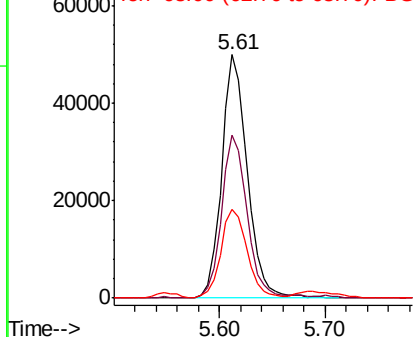
#5

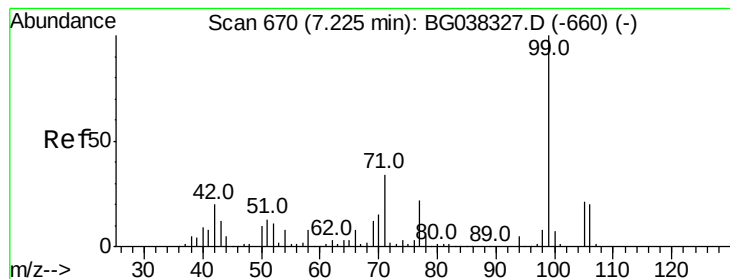
2-Fluorophenol  
Concen: 58.105 ng  
RT: 5.61 min Scan# 395  
Delta R.T. -0.00 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Tgt Ion:112 Resp: 83878  
Ion Ratio Lower Upper  
112 100  
64 66.8 53.1 79.7  
63 36.2 27.3 40.9



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: 34.591 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

Instrument :

BNA\_G

ClientSampled :

MW-4

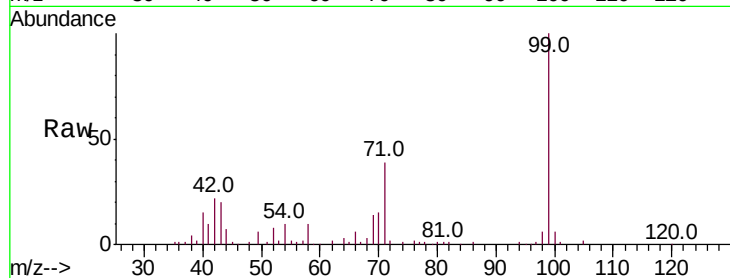
Tot Ion: 99 Resp: 72173

Ion Ratio Lower Upper

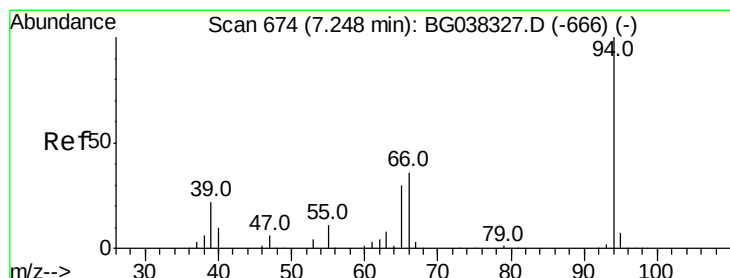
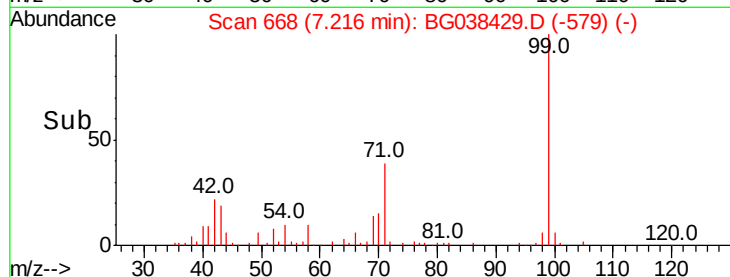
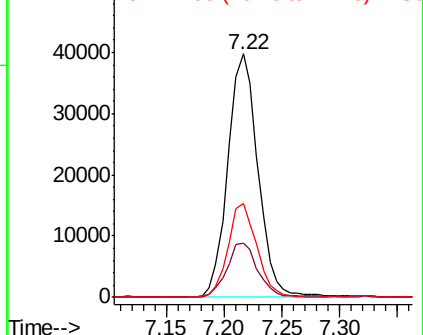
99 100

42 22.2 15.0 22.4

71 38.6 25.5 38.3#



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



#10

Phenol

Concen: 2.532 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

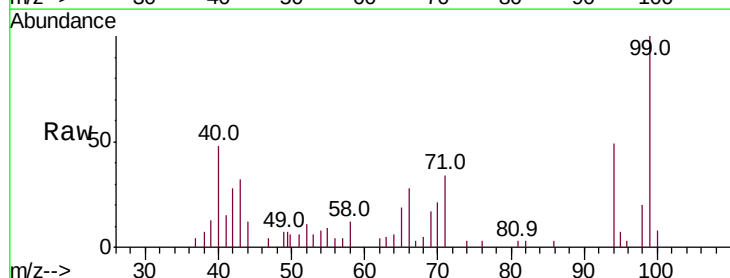
Tgt Ion: 94 Resp: 5581

Ion Ratio Lower Upper

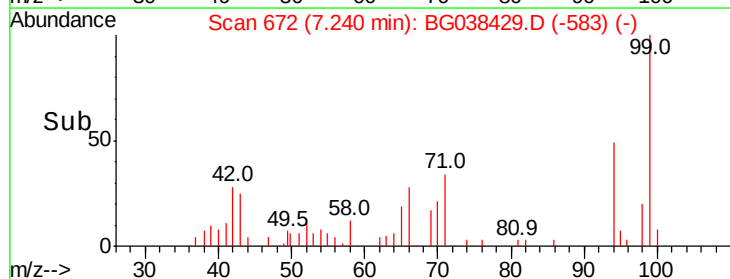
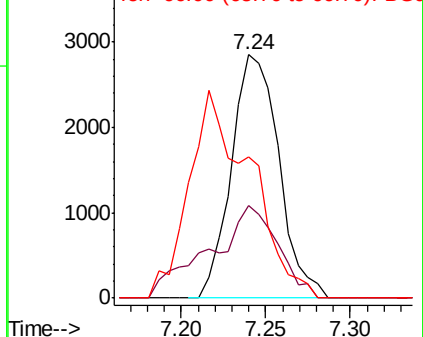
94 100

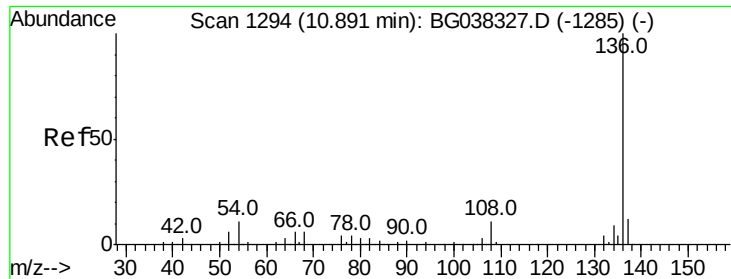
65 38.1 9.7 49.7

66 57.8 15.9 55.9#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

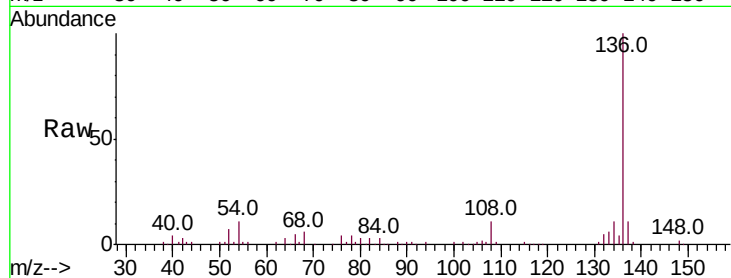




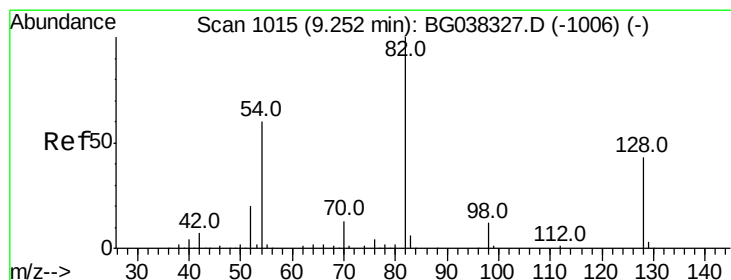
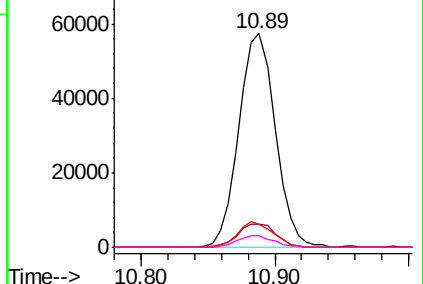
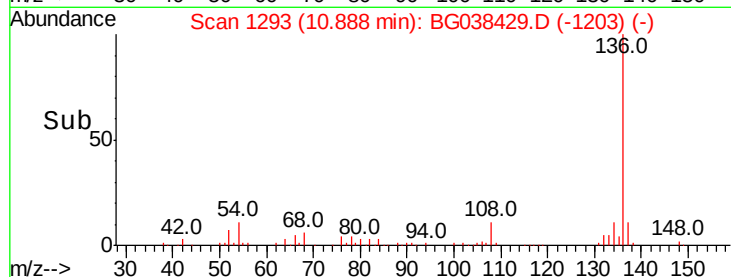
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.89 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 108886      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 9.6 14.4    |
| 54          | 11.1  | 7.9 11.9    |
| 68          | 5.5   | 4.8 7.2     |

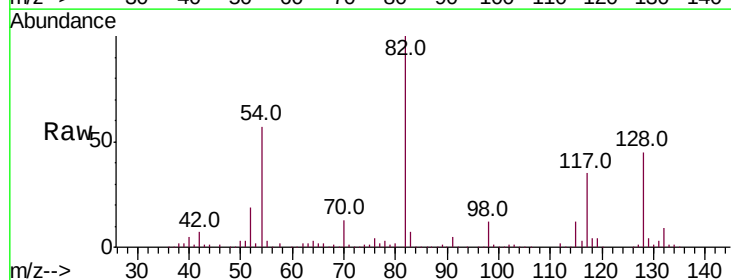


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

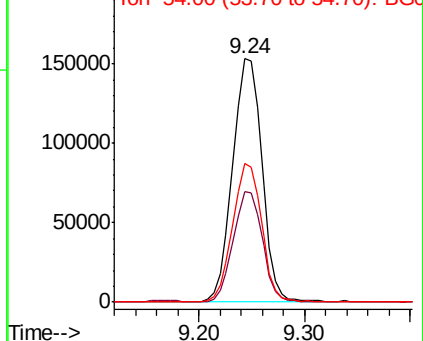
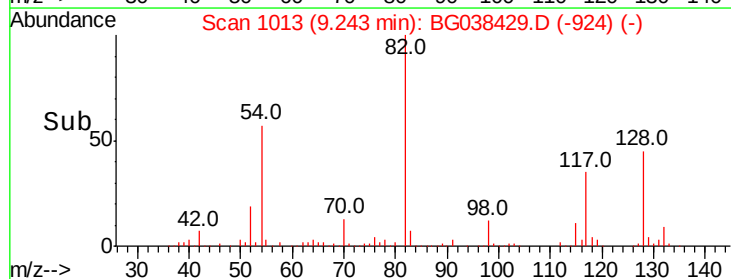


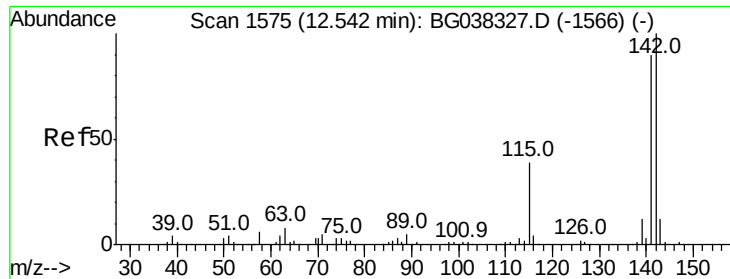
#23  
Nitrobenzene-d5  
Concen: 134.291 ng  
RT: 9.24 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 294523      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.3  | 34.6 51.8   |
| 54          | 57.0  | 45.3 67.9   |



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

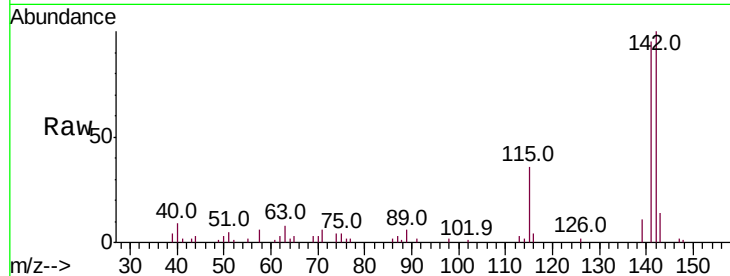




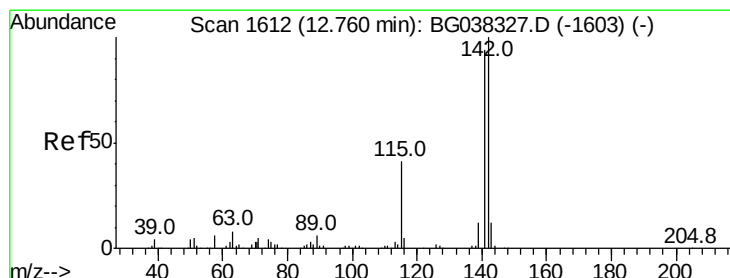
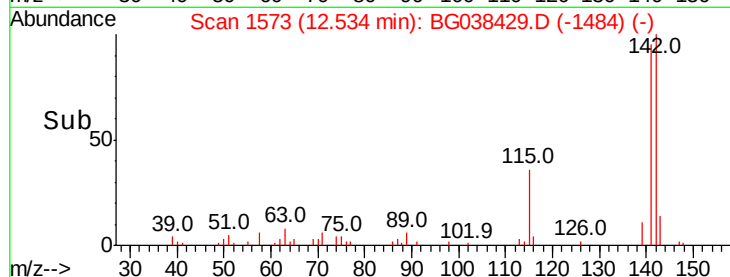
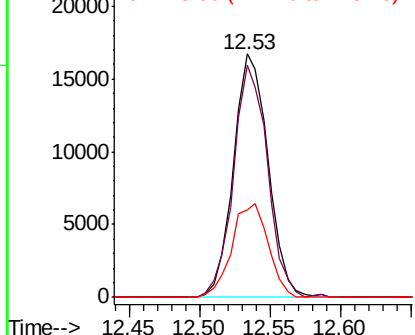
#37  
2-Methylnaphthalene  
Concen: 7.746 ng  
RT: 12.53 min Scan# 1573  
Delta R.T. -0.01 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Instrument :  
BNA\_G  
ClientSampled :  
MW-4

Tot Ion:142 Resp: 28693  
Ion Ratio Lower Upper  
142 100  
141 95.4 71.9 107.9  
115 35.9 27.8 41.8

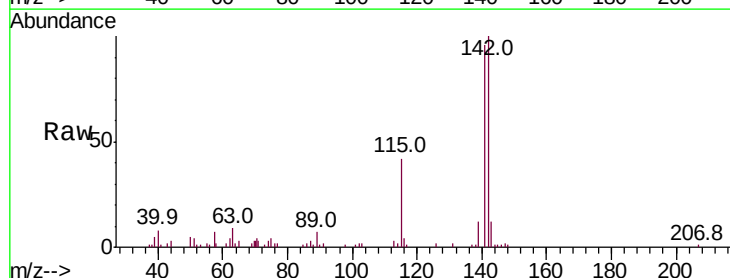


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

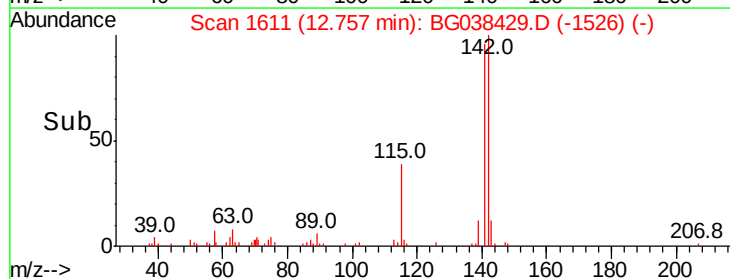
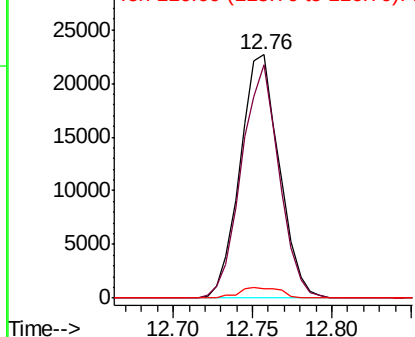


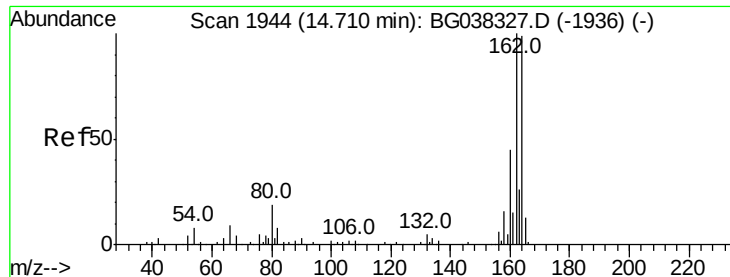
#38  
1-Methylnaphthalene  
Concen: 10.975 ng  
RT: 12.76 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Tgt Ion:142 Resp: 38934  
Ion Ratio Lower Upper  
142 100  
141 95.7 75.2 112.8  
116 4.0 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

Instrument :

BNA\_G

ClientSampleId :

MW-4

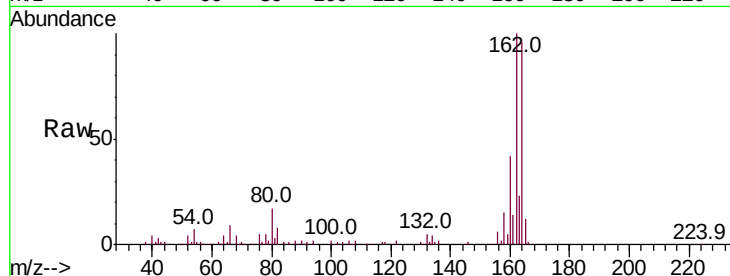
Tot Ion:164 Resp: 74270

Ion Ratio Lower Upper

164 100

162 104.7 81.3 121.9

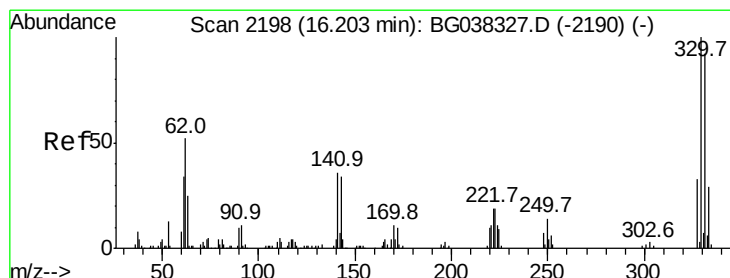
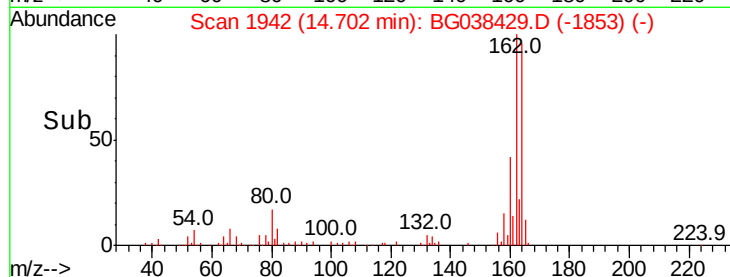
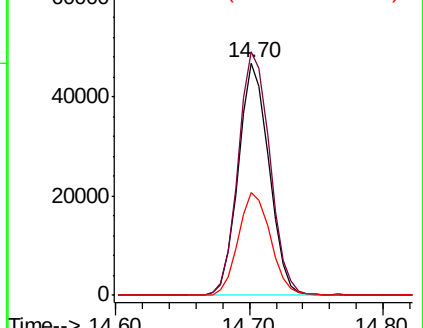
160 44.1 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 147.294 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

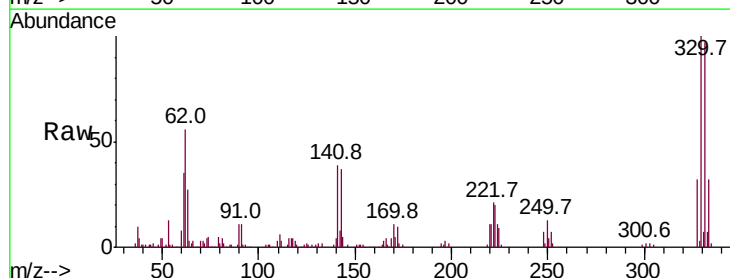
Tgt Ion:330 Resp: 134296

Ion Ratio Lower Upper

330 100

332 94.7 78.4 117.6

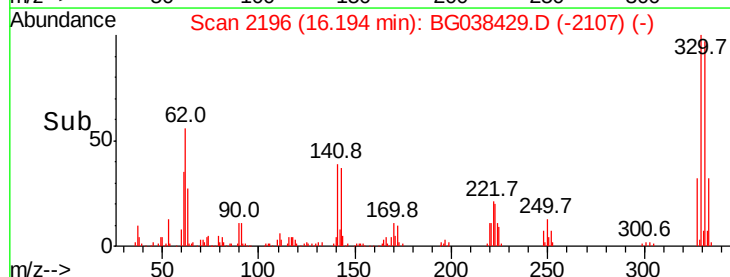
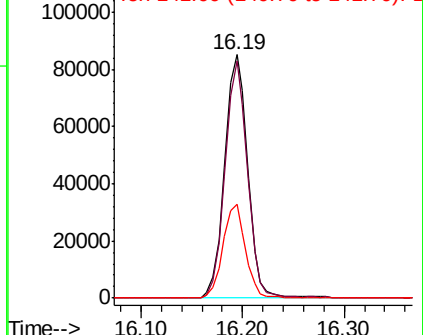
141 37.6 32.2 48.2

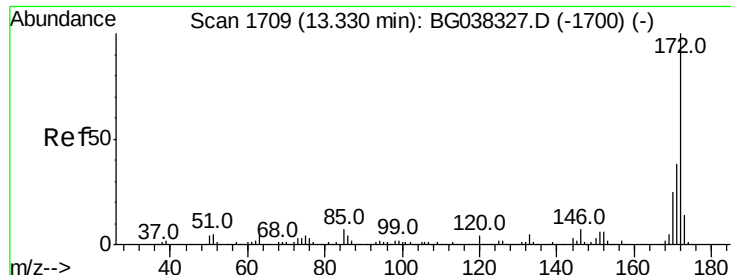


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

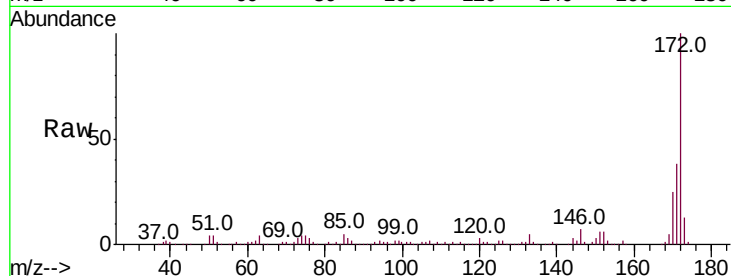




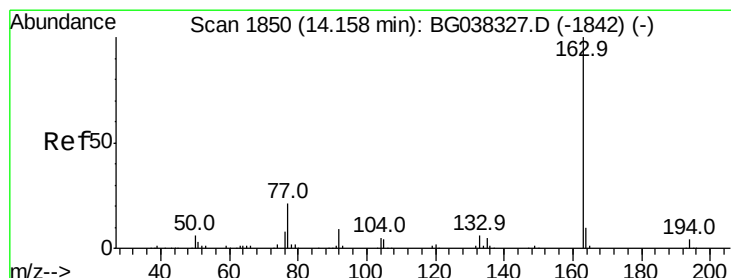
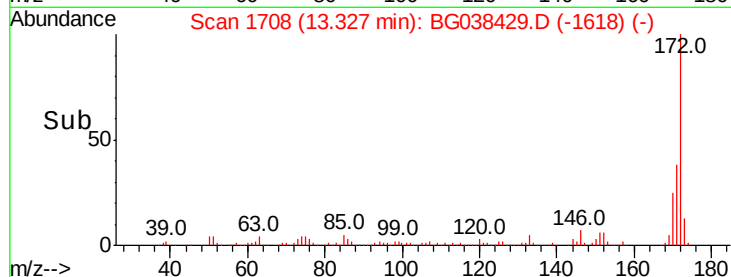
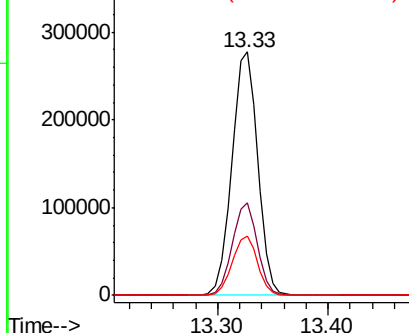
#45  
2-Fluorobiphenyl  
Concen: 87.634 ng  
RT: 13.33 min Scan# 1708  
Delta R.T. -0.00 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4

Tot Ion:172 Resp: 456771  
Ion Ratio Lower Upper  
172 100  
171 37.8 31.0 46.4  
170 24.6 20.2 30.2

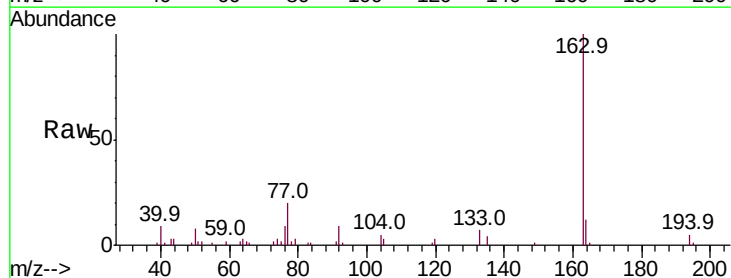


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

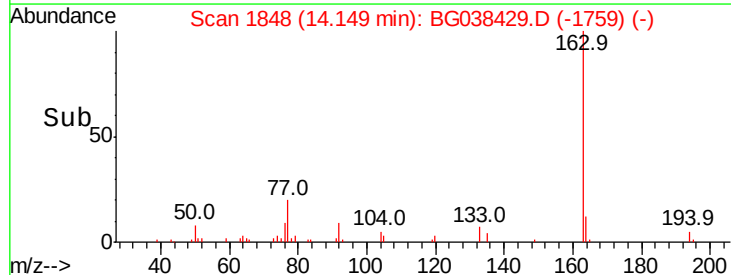
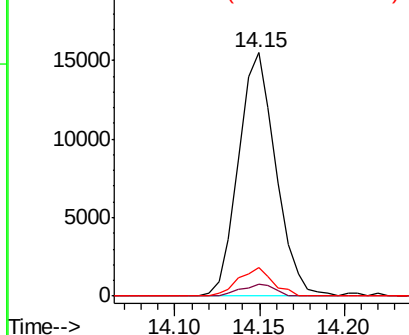


#50  
Dimethylphthalate  
Concen: 4.007 ng  
RT: 14.15 min Scan# 1848  
Delta R.T. -0.01 min  
Lab File: BG038429.D  
Acq: 8 Dec 2018 9:16

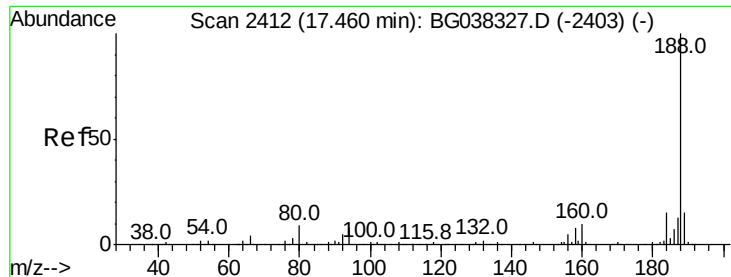
Tgt Ion:163 Resp: 23871  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.5 5.3  
164 11.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



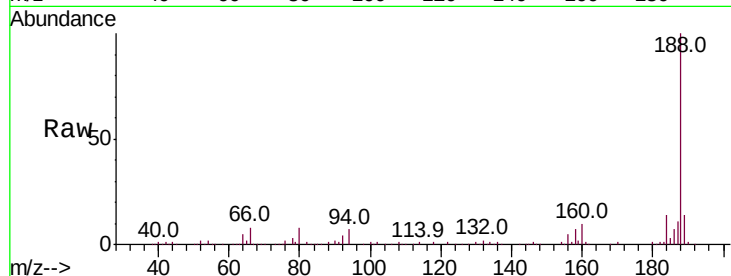




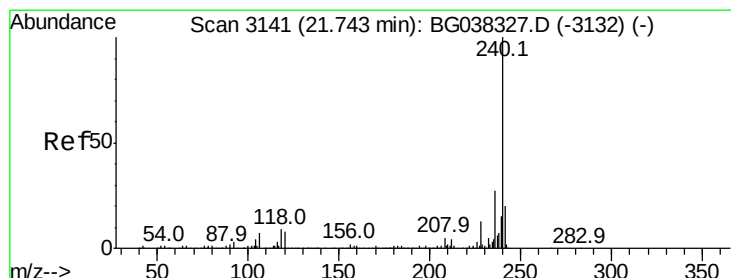
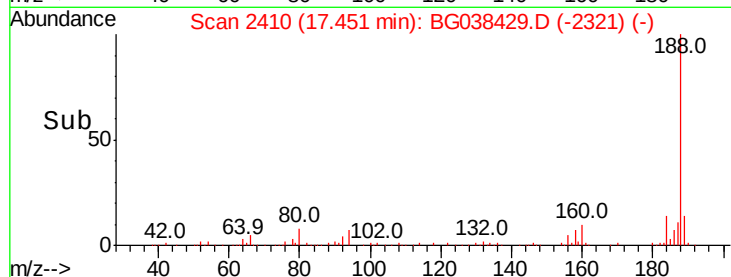
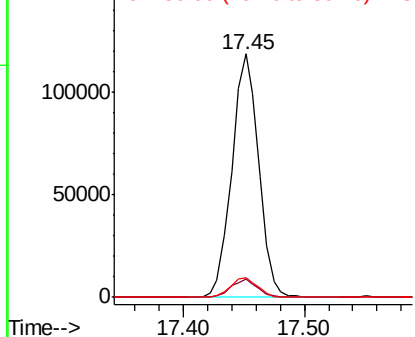
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.45 min Scan# 2410  
 Delta R.T. -0.01 min  
 Lab File: BG038429.D  
 Acq: 8 Dec 2018 9:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4

Tot Ion:188 Resp: 183034  
 Ion Ratio Lower Upper  
 188 100  
 94 7.4 7.2 10.8  
 80 8.2 7.7 11.5

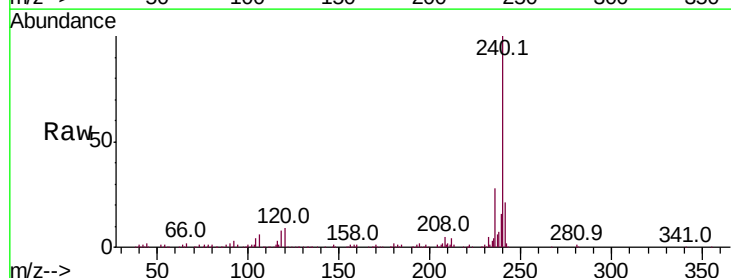


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BGC  
 Ion 80.00 (79.70 to 80.70): BGC

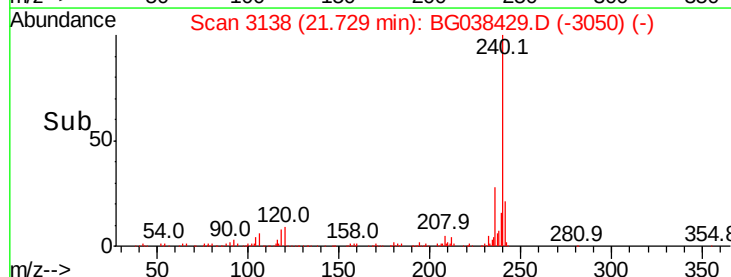
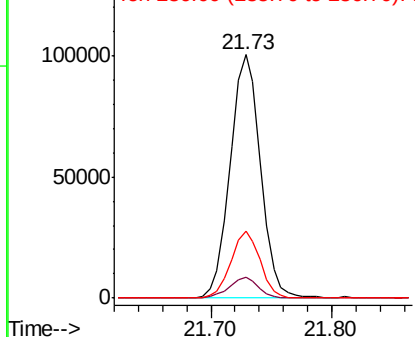


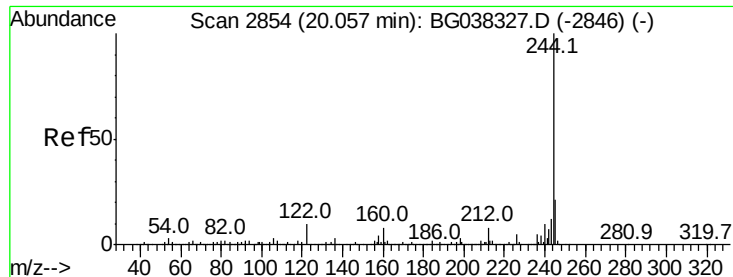
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.73 min Scan# 3138  
 Delta R.T. -0.01 min  
 Lab File: BG038429.D  
 Acq: 8 Dec 2018 9:16

Tgt Ion:240 Resp: 176131  
 Ion Ratio Lower Upper  
 240 100  
 120 8.7 8.1 12.1  
 236 27.7 21.4 32.0



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





#79

Terphenyl-d14

Concen: 92.800 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

Instrument :

BNA\_G

ClientSampleId :

MW-4

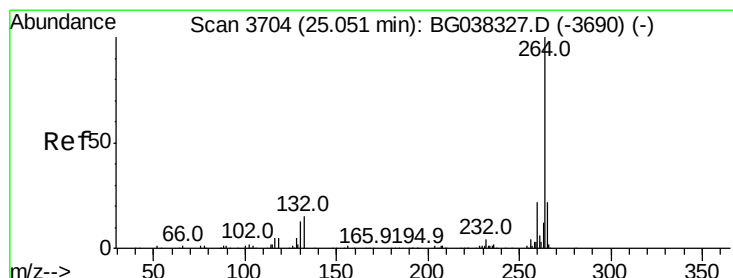
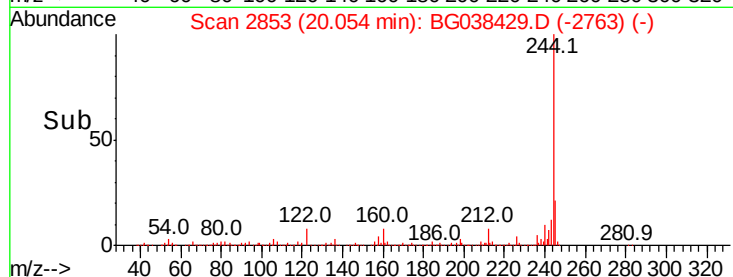
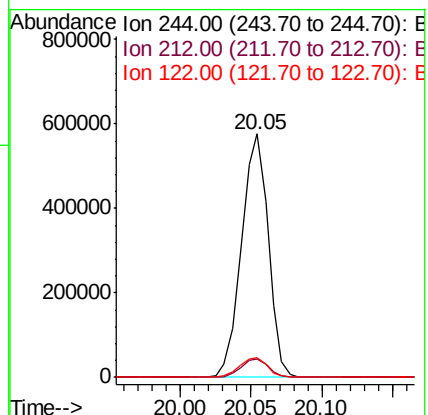
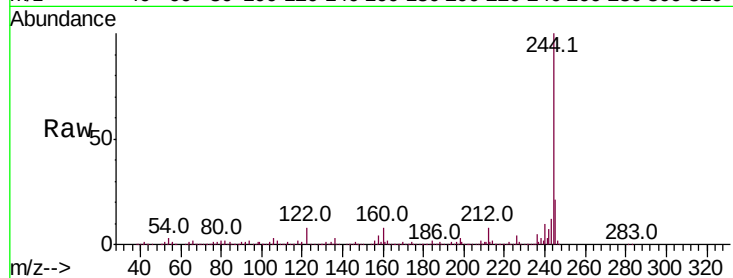
Tot Ion:244 Resp: 762981

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 8.0 9.0 13.4#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3700

Delta R.T. -0.02 min

Lab File: BG038429.D

Acq: 8 Dec 2018 9:16

Tgt Ion:264 Resp: 180802

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 20.8 17.9 26.9

