

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121817\  
 Data File : BG031654.D  
 Acq On : 19 Dec 2017 3:44  
 Operator : SJ/JU  
 Sample : I6927-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-4297-39456

Quant Time: Dec 19 08:03:21 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 79531    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.92 | 136  | 337927   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.72 | 164  | 221719   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.47 | 188  | 582424   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.73 | 240  | 609068   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.01 | 264  | 533217   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 640390   | 142.72 | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 727583   | 116.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 542506   | 98.95  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.21 | 330  | 450398   | 173.39 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 1543004  | 102.15 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.06 | 244  | 2630567  | 98.26  | ng    | -0.01    |

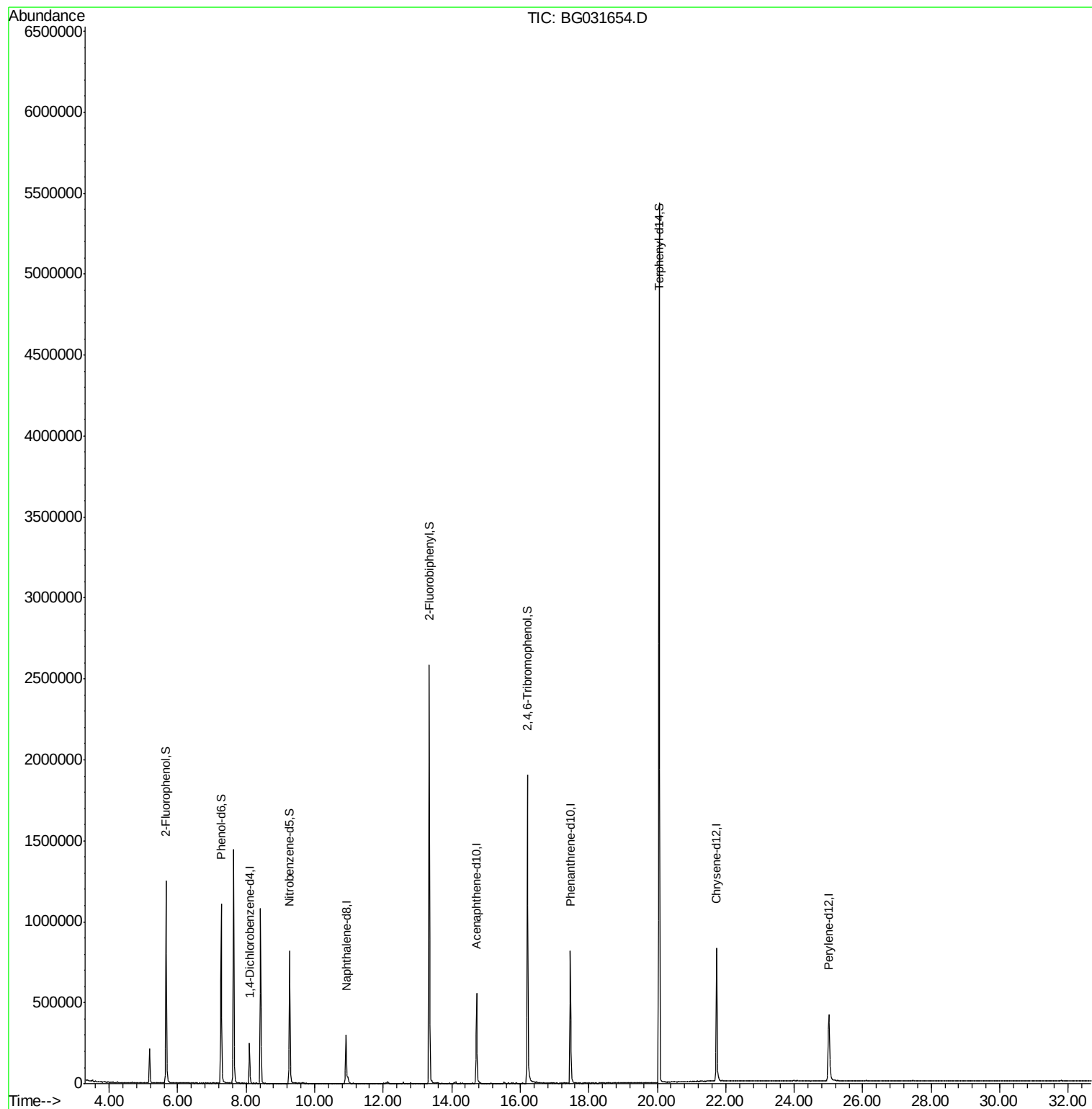
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

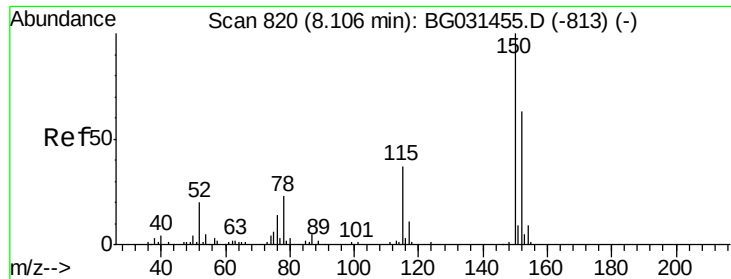
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration



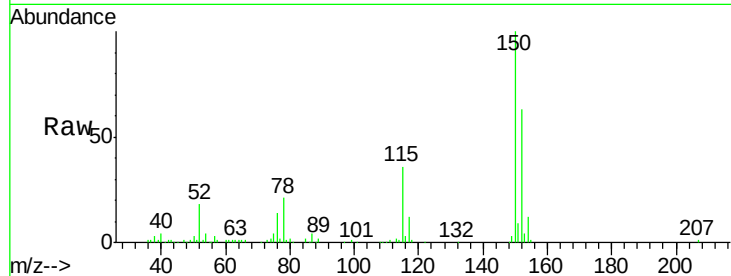


#1

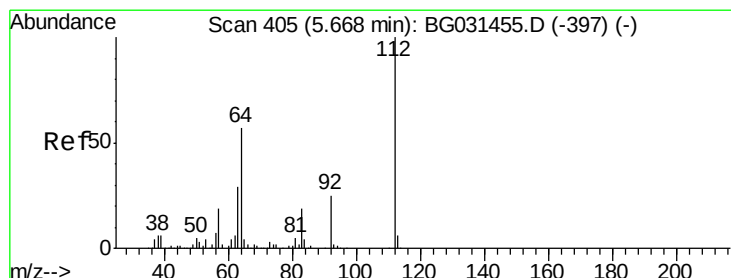
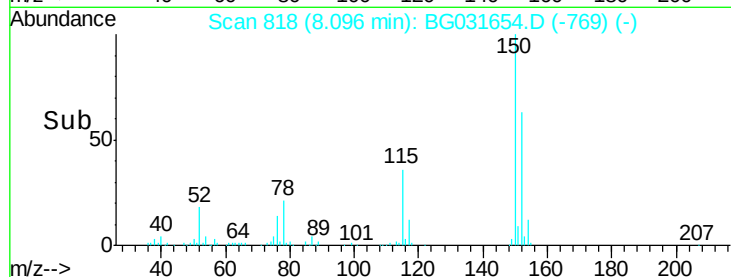
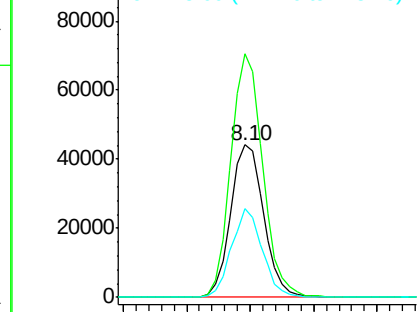
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BG031654.D  
Acq: 19 Dec 2017 3:44

Instrument :  
BNA\_G  
ClientSampleId :  
R-4297-39456

Tgt Ion:152 Resp: 79531  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.6 189.8  
115 58.2 53.0 79.4



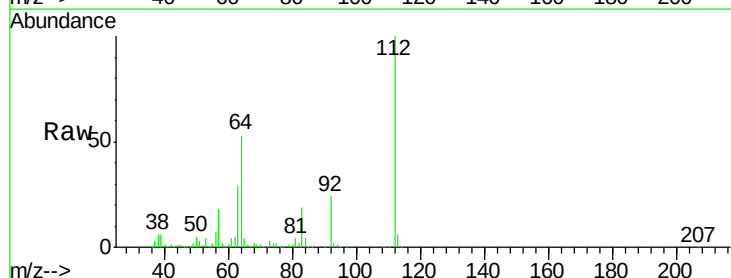
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



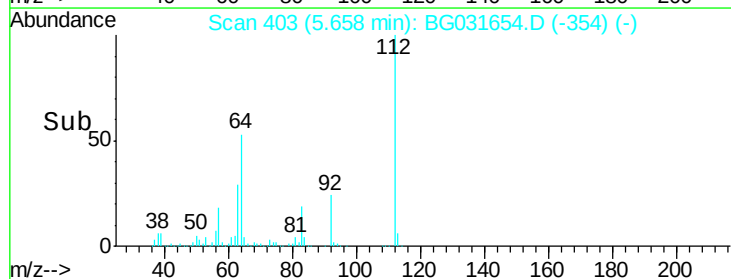
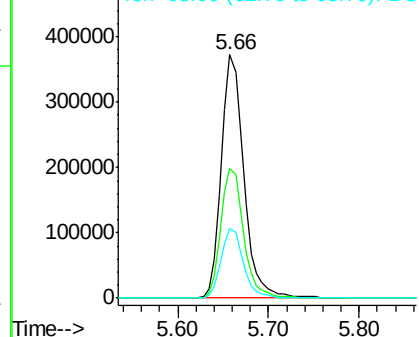
#5

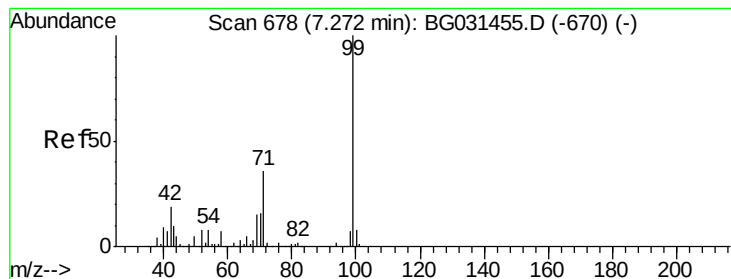
2-Fluorophenol  
Concen: 142.725 ng  
RT: 5.66 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BG031654.D  
Acq: 19 Dec 2017 3:44

Tgt Ion:112 Resp: 640390  
Ion Ratio Lower Upper  
112 100  
64 53.2 56.3 84.5#  
63 28.7 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: 116.808 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

R-4297-39456

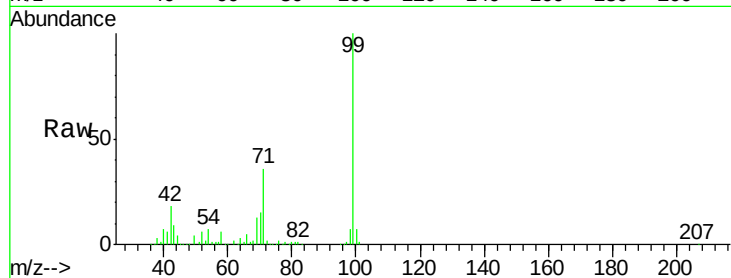
Tgt Ion: 99 Resp: 727583

Ion Ratio Lower Upper

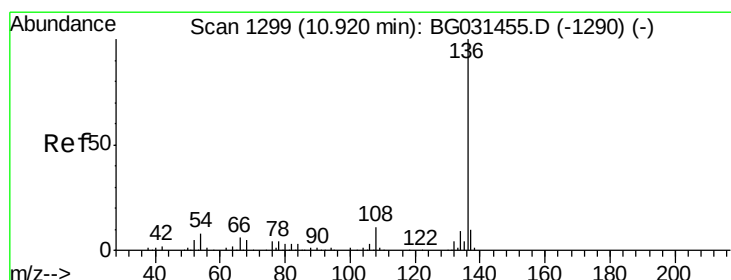
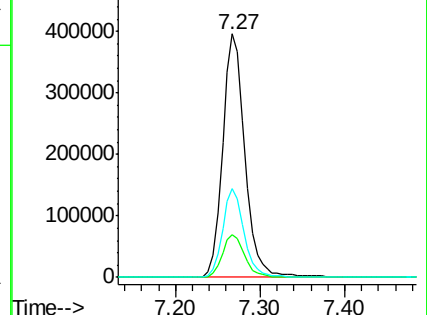
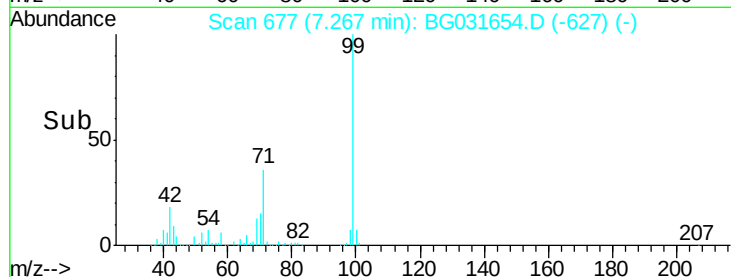
99 100

42 17.6 14.1 21.1

71 36.2 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: 10.92 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

Tgt Ion: 136 Resp: 337927

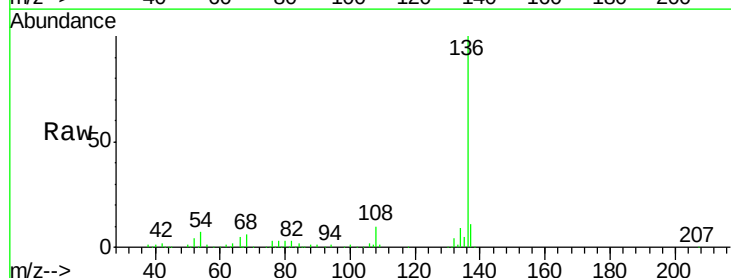
Ion Ratio Lower Upper

136 100

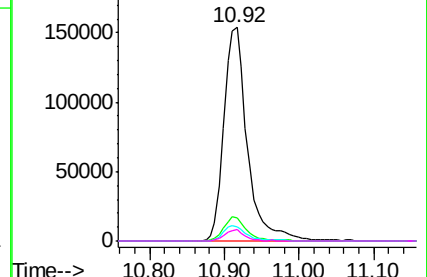
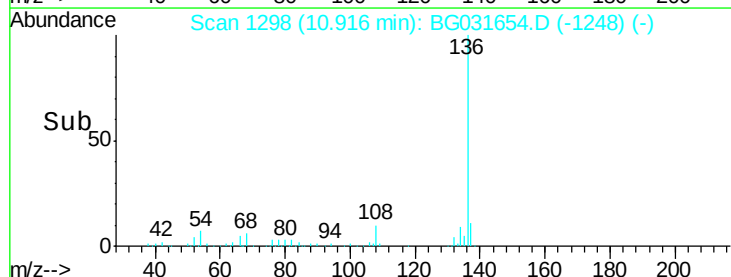
137 10.9 9.2 13.8

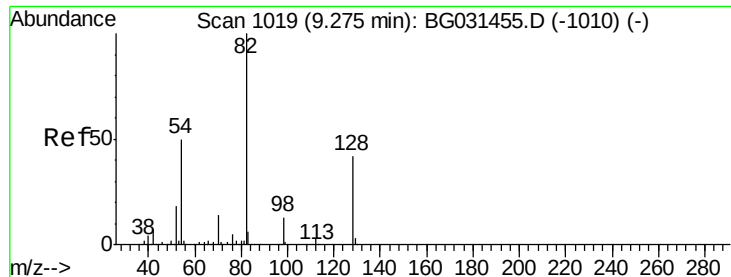
54 6.8 10.3 15.5#

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

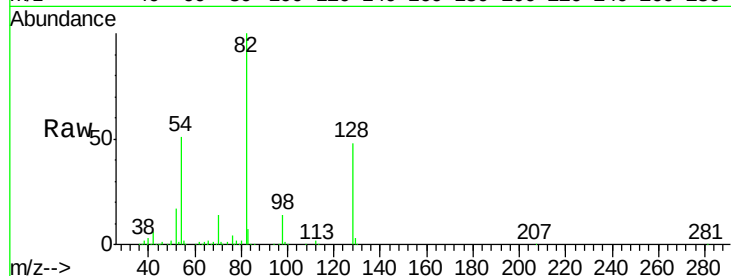




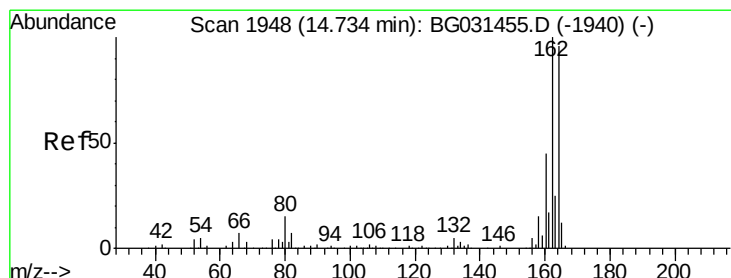
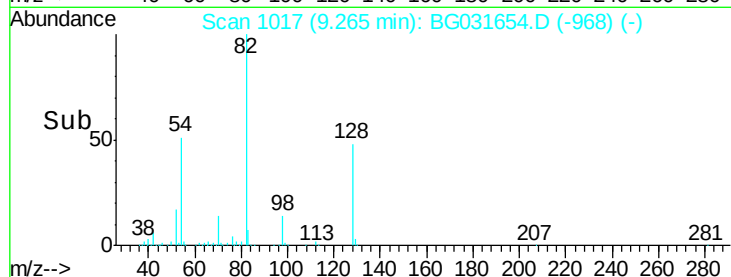
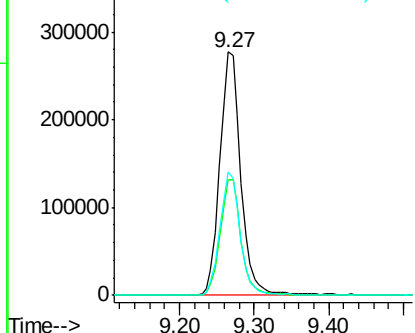
#23  
 Nitrobenzene-d5  
 Concen: 98.951 ng  
 RT: 9.27 min Scan# 1017  
 Delta R.T. -0.01 min  
 Lab File: BG031654.D  
 Acq: 19 Dec 2017 3:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-4297-39456

Tgt Ion: 82 Resp: 542506  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 29.7 44.5#  
 54 50.8 43.1 64.7

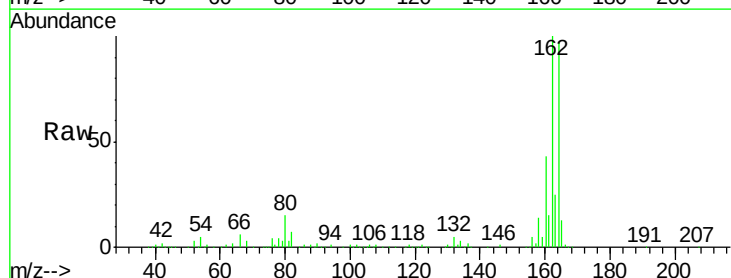


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

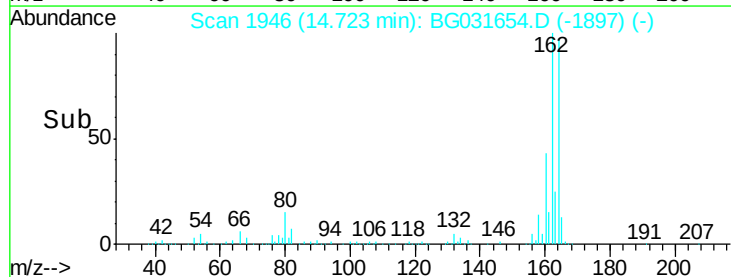
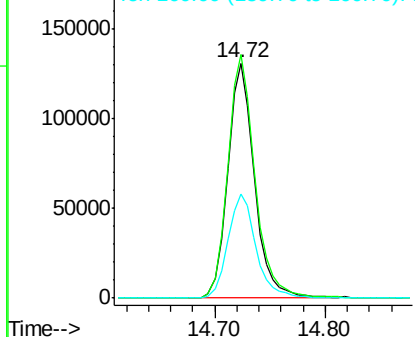


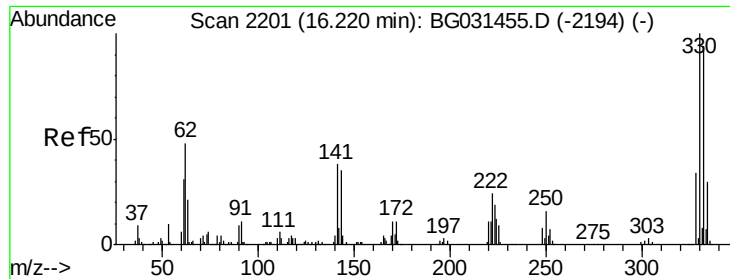
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. -0.01 min  
 Lab File: BG031654.D  
 Acq: 19 Dec 2017 3:44

Tgt Ion: 164 Resp: 221719  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 78.8 118.2  
 160 44.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

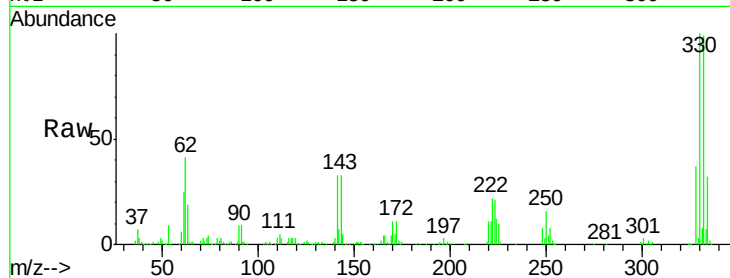




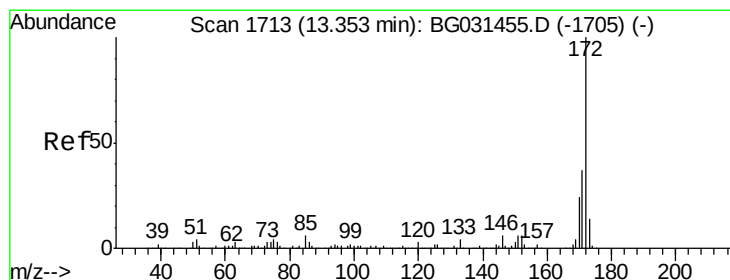
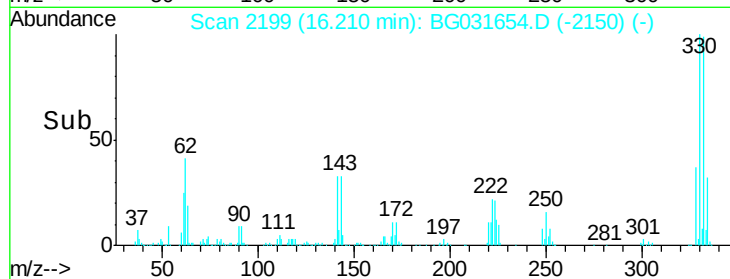
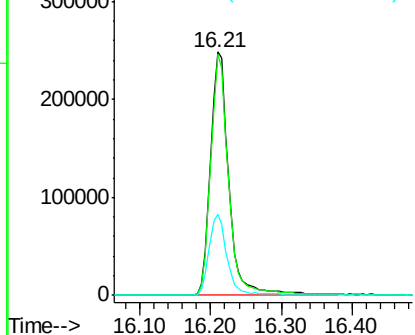
#41  
 2,4,6-Tribromophenol  
 Concen: 173.395 ng  
 RT: 16.21 min Scan# 2199  
 Delta R.T. -0.01 min  
 Lab File: BG031654.D  
 Acq: 19 Dec 2017 3:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-4297-39456

Tgt Ion:330 Resp: 450398  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.0 115.6  
 141 32.7 25.2 37.8

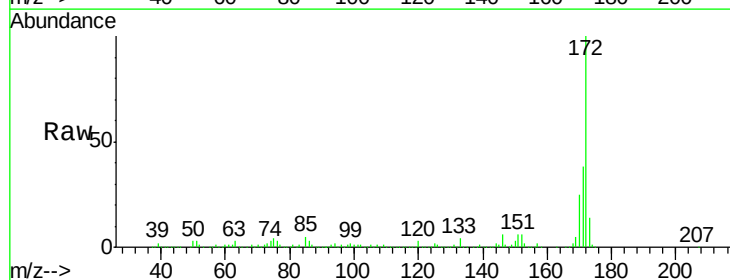


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

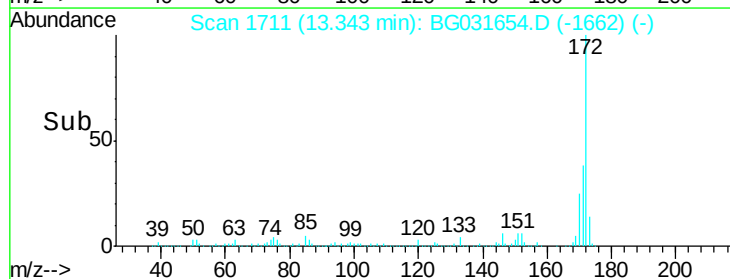
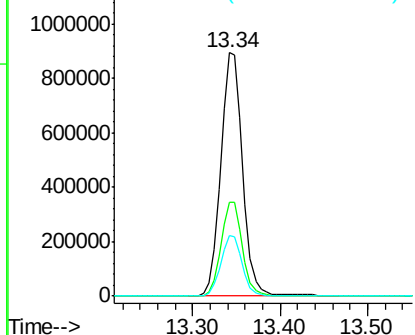


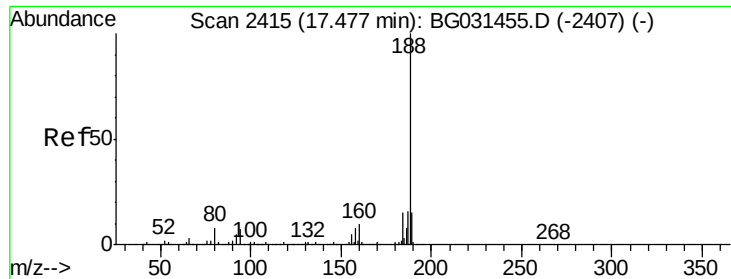
#44  
 2-Fluorobiphenyl  
 Concen: 102.153 ng  
 RT: 13.34 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BG031654.D  
 Acq: 19 Dec 2017 3:44

Tgt Ion:172 Resp: 1543004  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 30.0 45.0  
 170 25.0 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: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

R-4297-39456

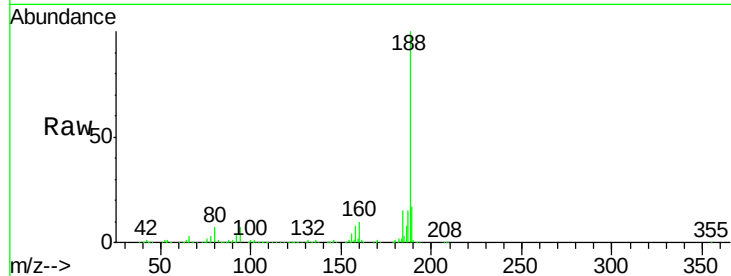
Tgt Ion:188 Resp: 582424

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

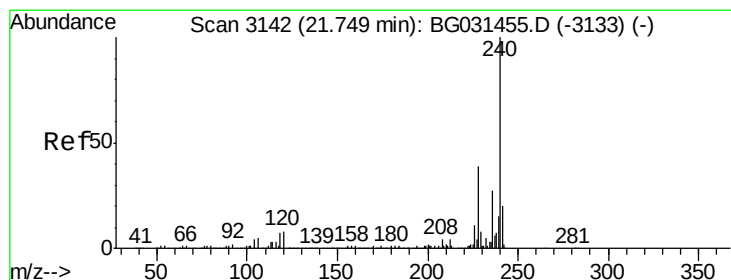
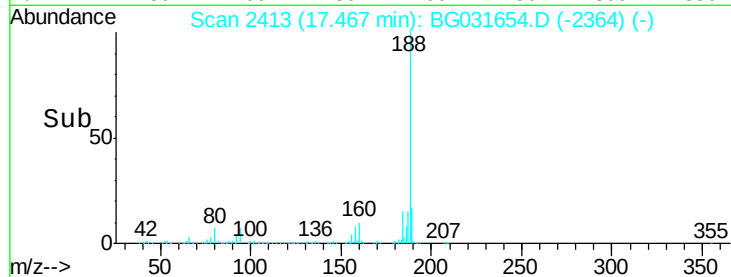
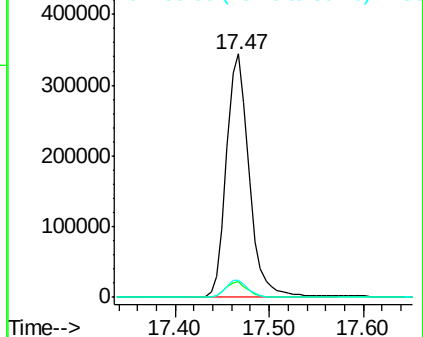
80 6.9 7.7 11.5#



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: 21.73 min Scan# 3139

Delta R.T. -0.02 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

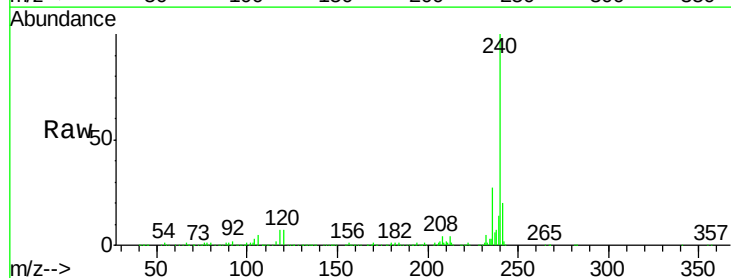
Tgt Ion:240 Resp: 609068

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

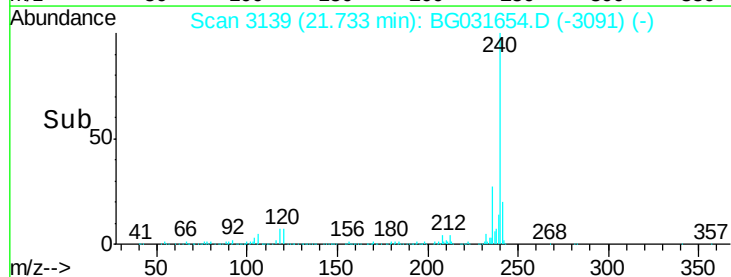
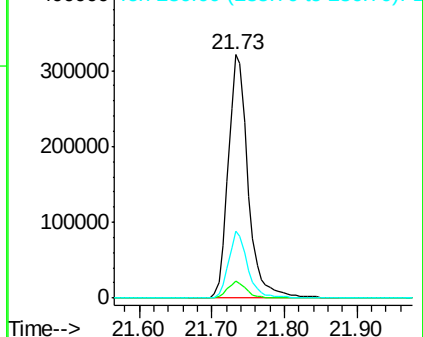
236 27.3 20.9 31.3

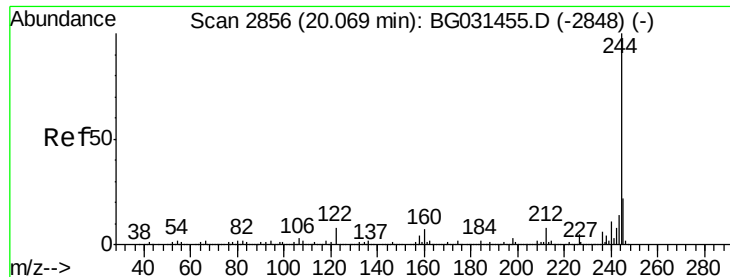


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 98.264 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

Instrument :

BNA\_G

ClientSampleId :

R-4297-39456

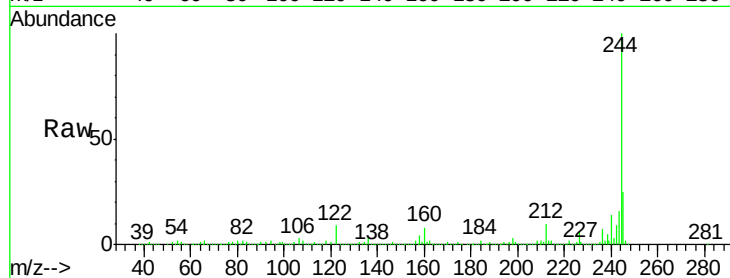
Tgt Ion:244 Resp: 2630567

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

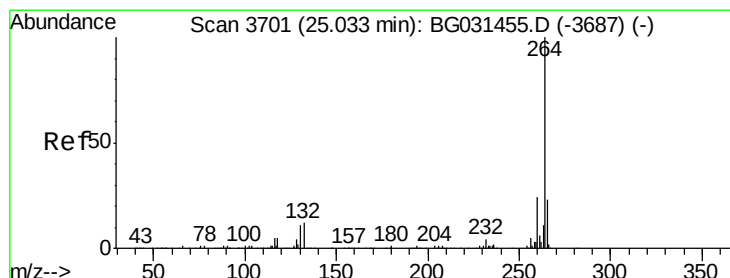
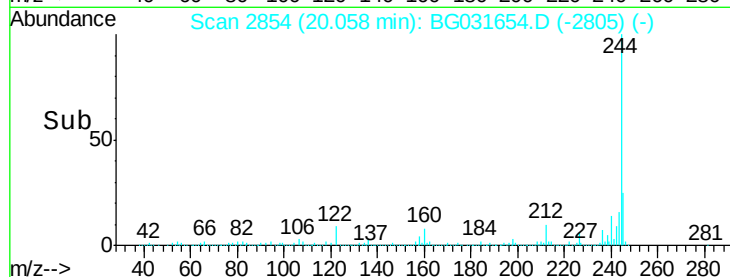
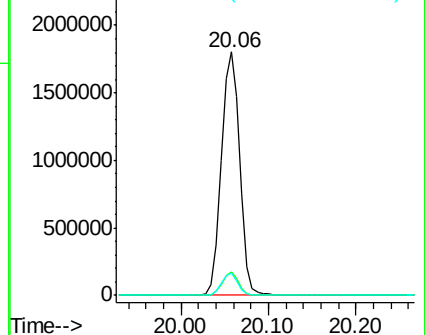
122 9.1 7.0 10.4



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: 20.000 ng

RT: 25.01 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BG031654.D

Acq: 19 Dec 2017 3:44

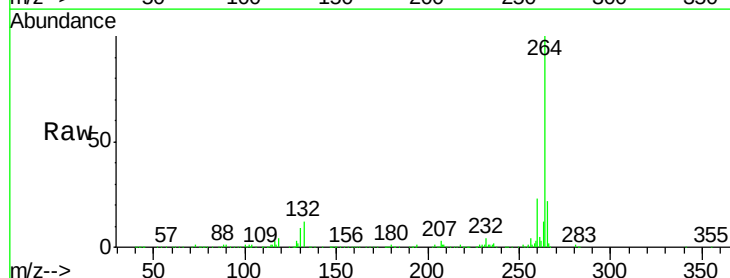
Tgt Ion:264 Resp: 533217

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.4 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

