

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG030719\  
 Data File : BG039809.D  
 Acq On : 7 Mar 2019 19:27  
 Operator : JU/SJ  
 Sample : K1757-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6CD-S

Quant Time: Mar 07 23:53:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

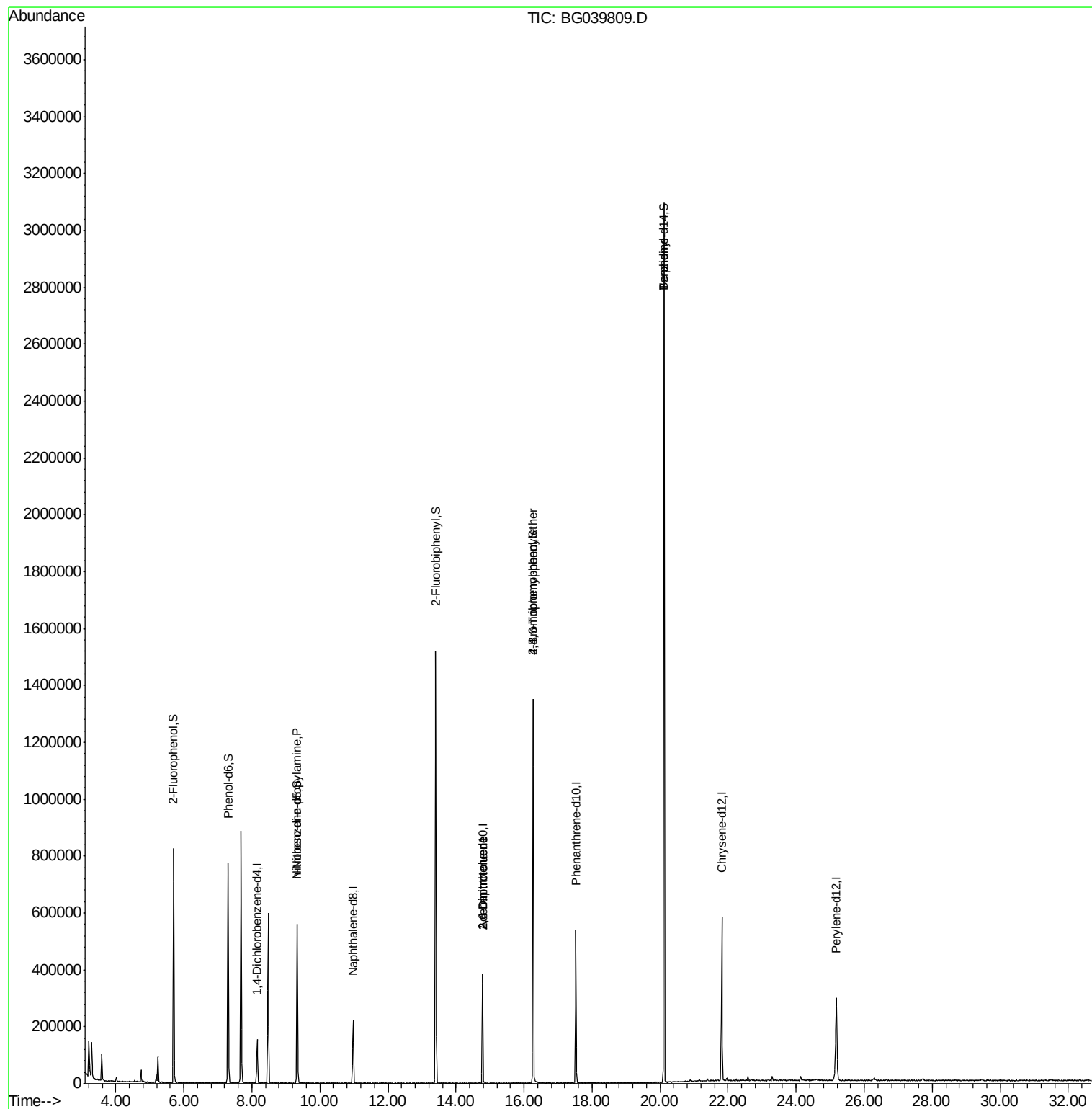
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.15  | 152  | 43688    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.97 | 136  | 188598   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.78 | 164  | 132752   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.52 | 188  | 333351   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.81 | 240  | 345138   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.18 | 264  | 339757   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.70  | 112  | 338256   | 132.09 | ng    | -0.01    |
| 7) Phenol-d6                   | 7.30  | 99   | 445877   | 116.77 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.33  | 82   | 332692   | 95.41  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.27 | 330  | 233995   | 151.23 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.40 | 172  | 806279   | 86.48  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.11 | 244  | 1442657  | 92.03  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.33  | 70   | 42516    | 15.470 | ng    | # 72     |
| 51) 2,6-Dinitrotoluene         | 14.78 | 165  | 17197    | 7.308  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 14.78 | 165  | 17197    | 5.201  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether  | 16.27 | 248  | 18396    | 4.930  | ng    | # 1      |
| 77) Benzidine                  | 20.11 | 184  | 25664    | 2.343  | ng    | # 92     |

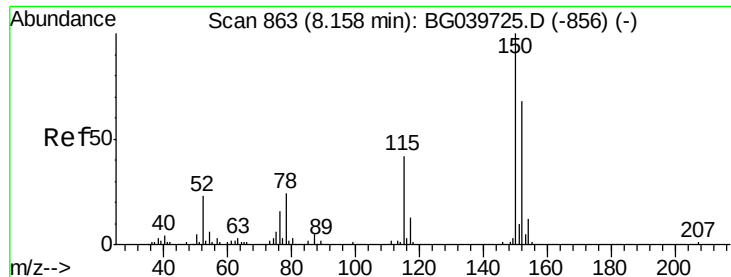
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG030719\  
Data File : BG039809.D  
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Sample : K1757-04  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 14:38:15 2019  
Response via : Initial Calibration



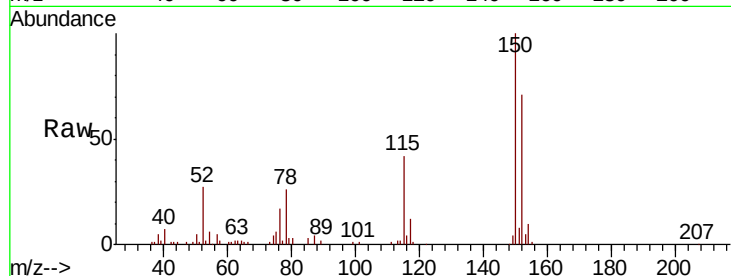


#1

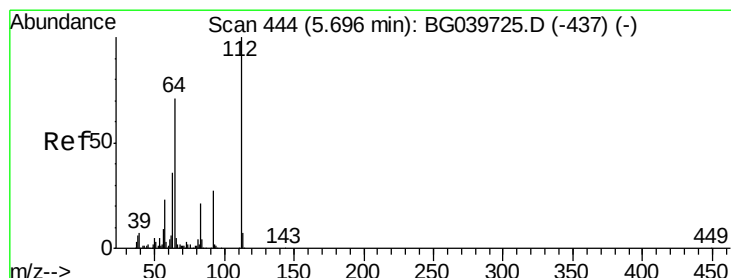
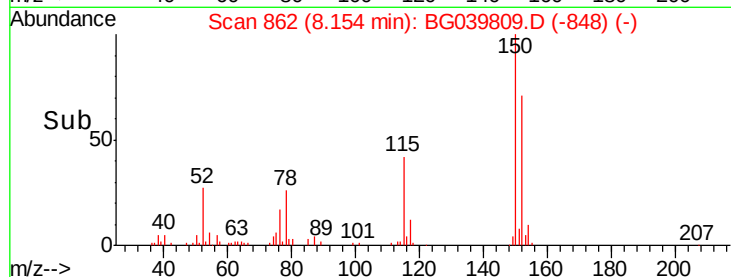
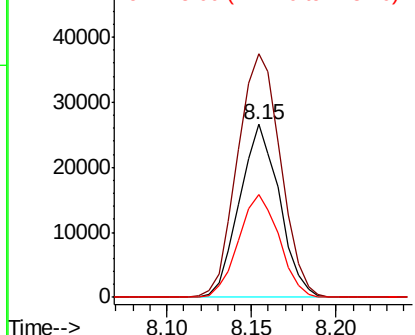
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6CD-S

Tgt Ion:152 Resp: 43688  
Ion Ratio Lower Upper  
152 100  
150 141.0 123.7 185.5  
115 59.8 45.9 68.9



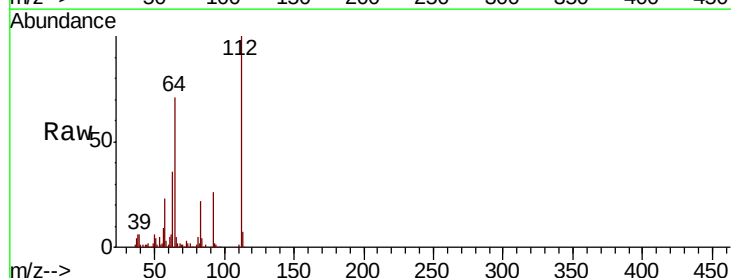
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



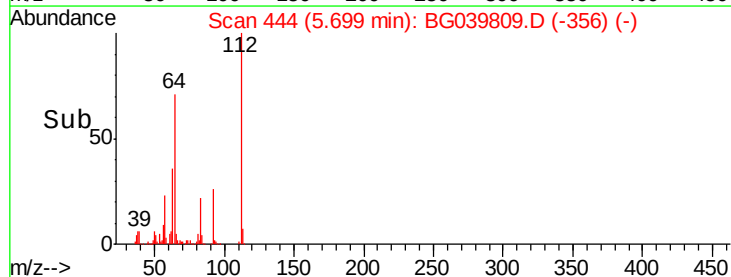
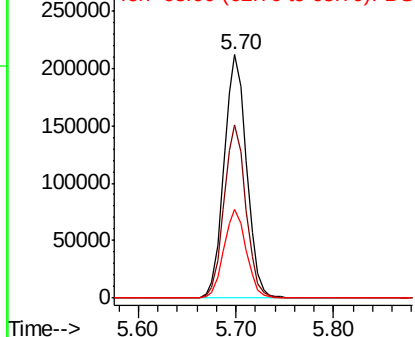
#5

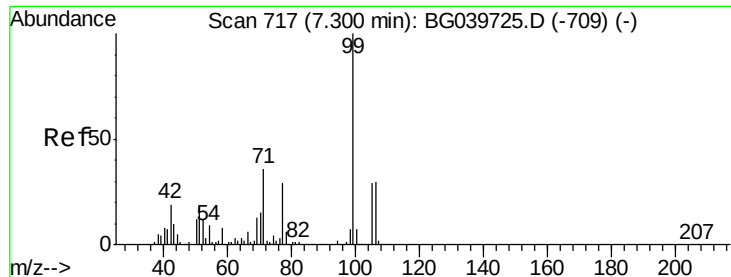
2-Fluorophenol  
Concen: 132.088 ng  
RT: 5.70 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

Tgt Ion:112 Resp: 338256  
Ion Ratio Lower Upper  
112 100  
64 71.3 57.8 86.8  
63 36.4 29.8 44.6



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: 116.772 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

Instrument :

BNA\_F

ClientSampleId :

TP-6CD-S

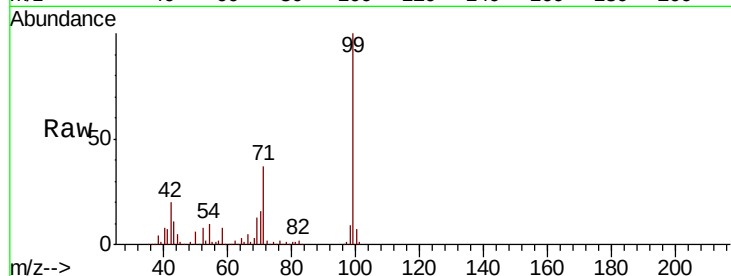
Tgt Ion: 99 Resp: 445877

Ion Ratio Lower Upper

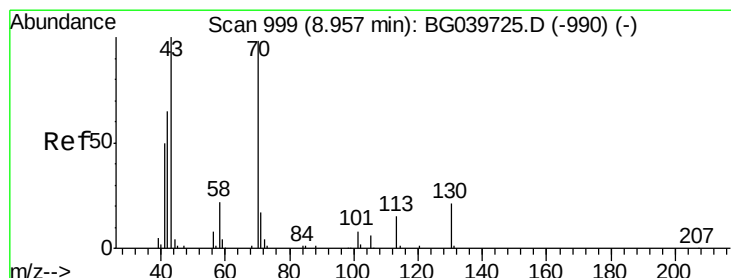
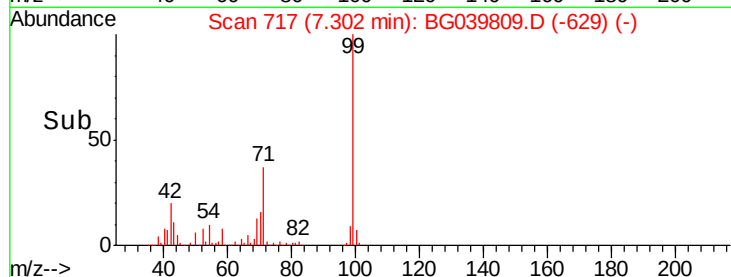
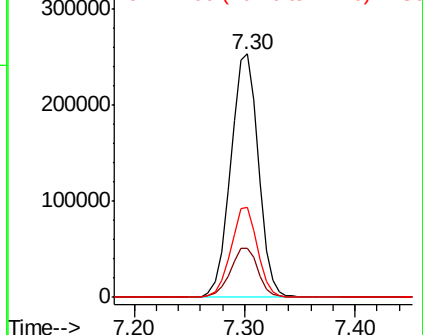
99 100

42 20.3 18.2 27.2

71 37.0 28.0 42.0



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: 15.470 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

Tgt Ion: 70 Resp: 42516

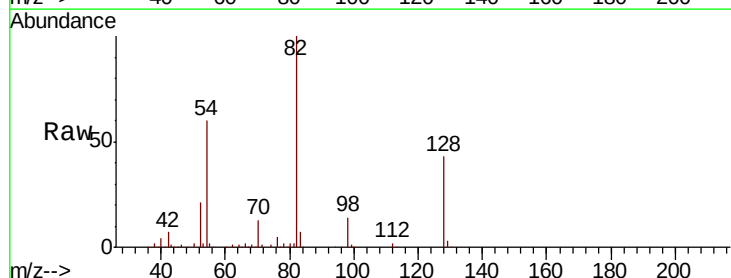
Ion Ratio Lower Upper

70 100

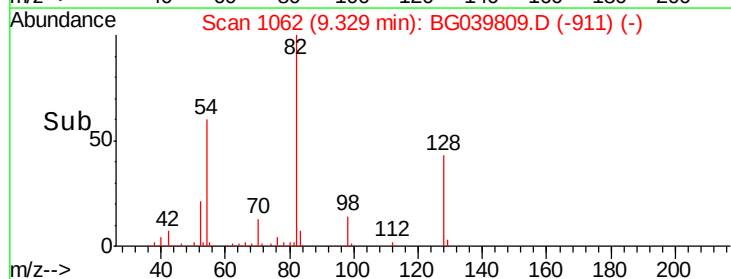
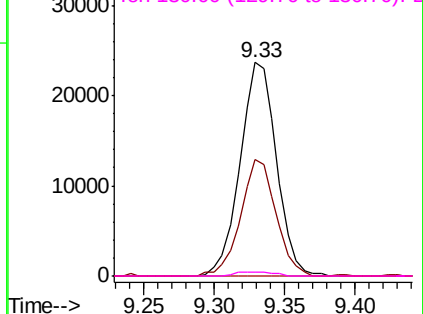
42 54.8 60.4 90.6#

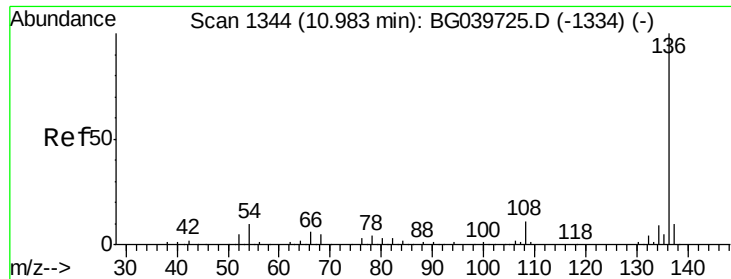
101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



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

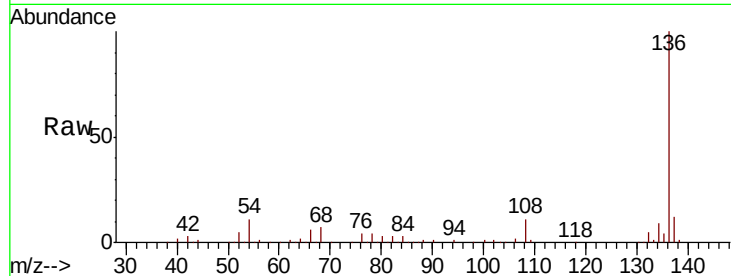




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.97 min Scan# 1342  
Delta R.T. -0.02 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6CD-S

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 188598 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.9  | 9.1   | 13.7   |
| 54       | 11.4  | 9.4   | 14.2   |
| 68       | 6.6   | 4.2   | 6.4#   |



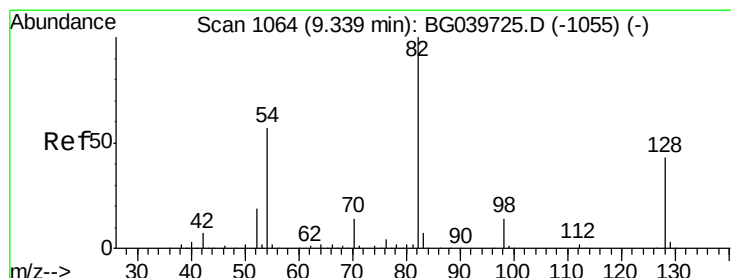
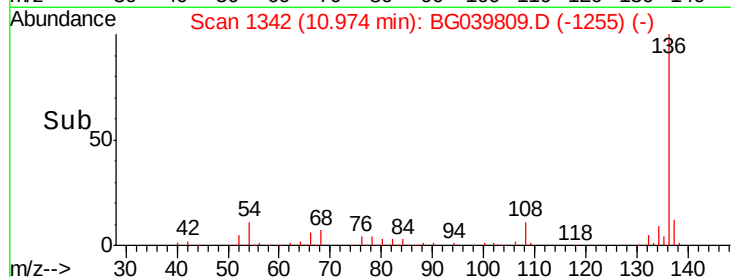
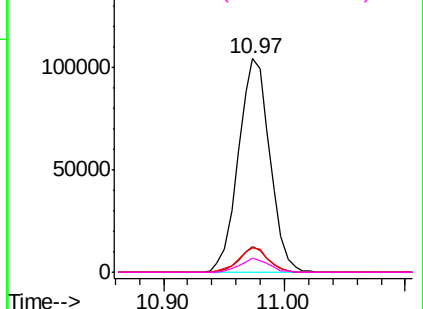
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

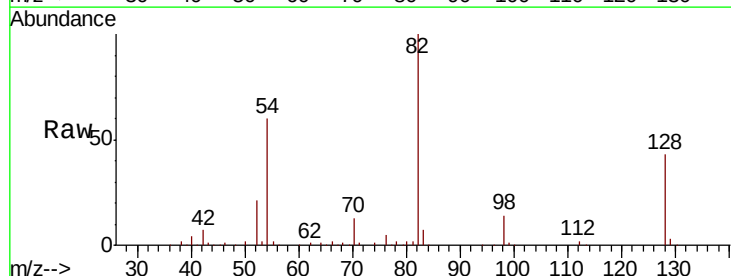
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23  
Nitrobenzene-d5  
Concen: 95.406 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 332692 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.6  | 31.3  | 46.9   |
| 54       | 59.8  | 50.9  | 76.3   |

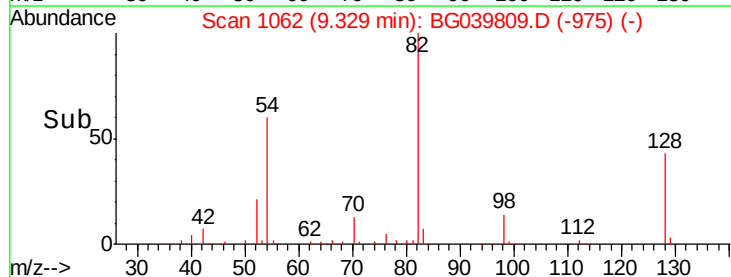
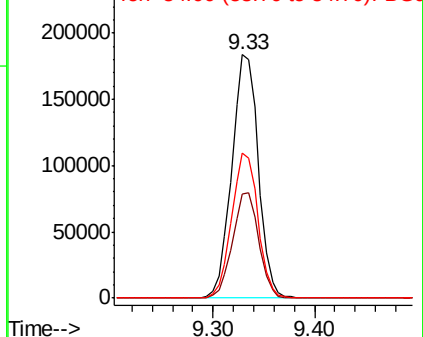


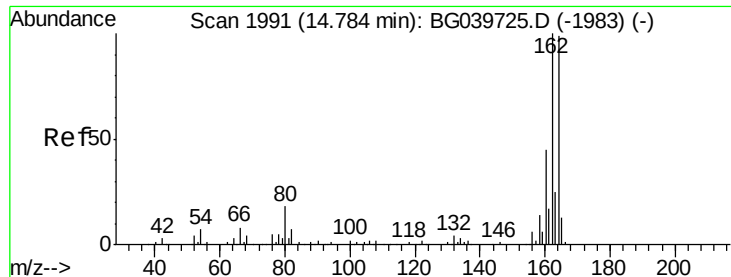
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

Instrument :

BNA\_F

ClientSampleId :

TP-6CD-S

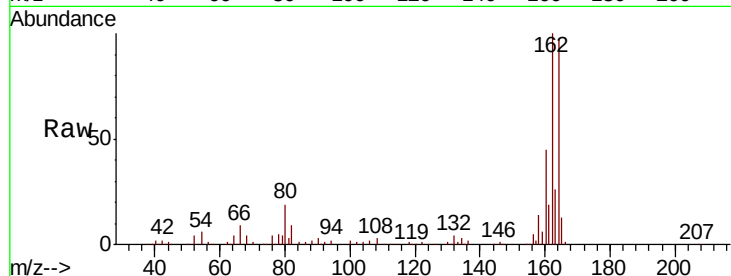
Tgt Ion:164 Resp: 132752

Ion Ratio Lower Upper

164 100

162 103.2 81.6 122.4

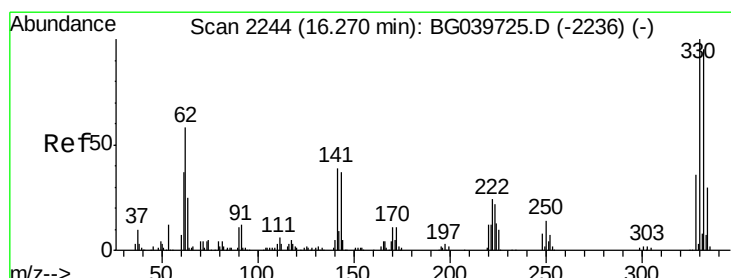
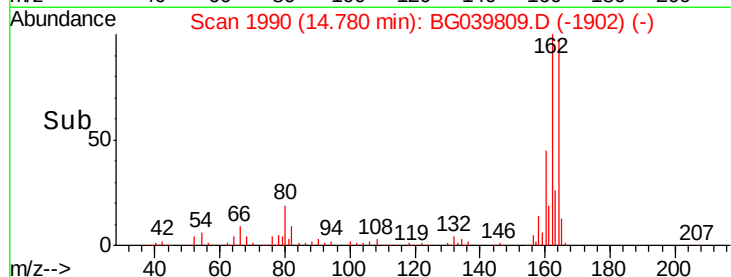
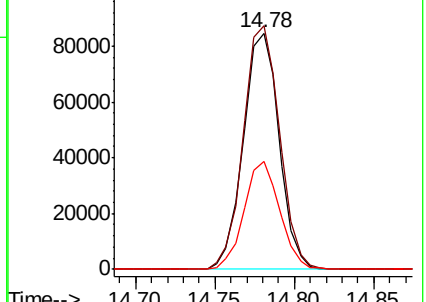
160 46.0 34.2 51.2



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: 151.226 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

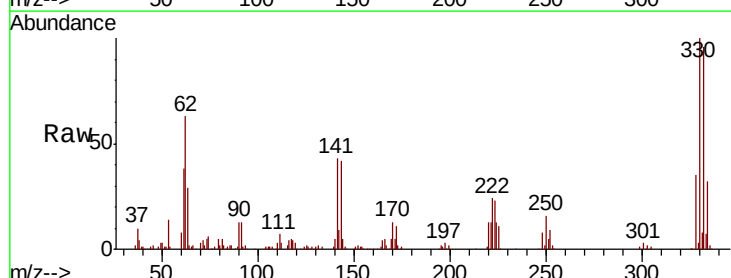
Tgt Ion:330 Resp: 233995

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

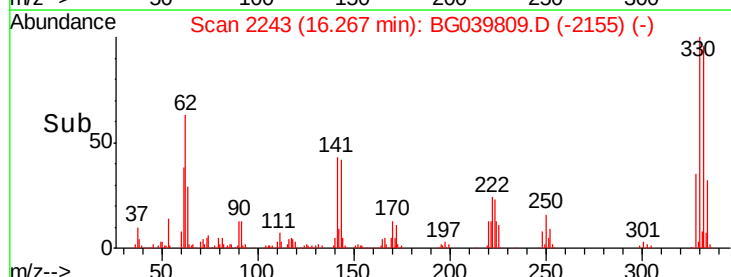
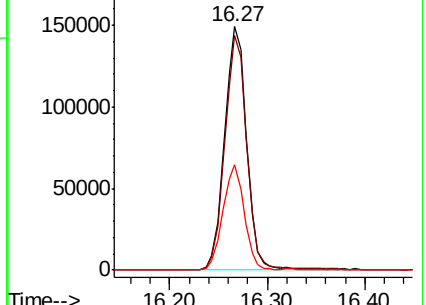
141 41.9 35.6 53.4

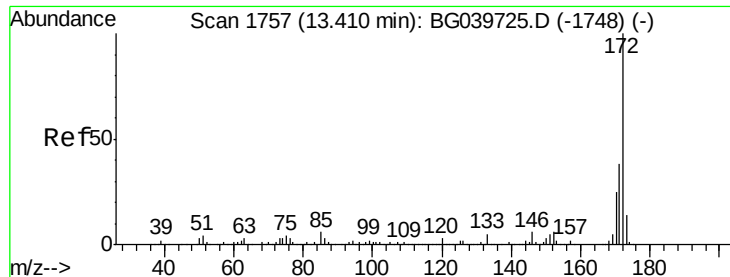


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

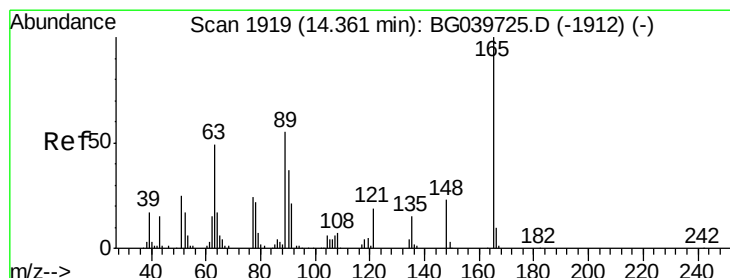
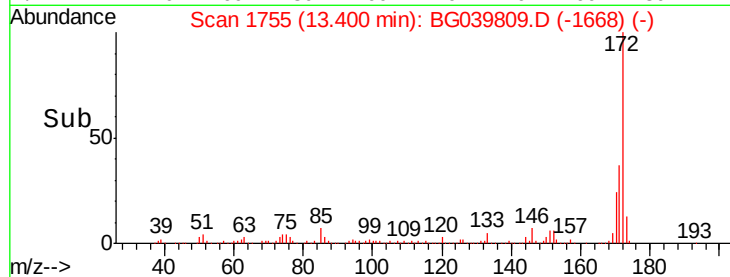
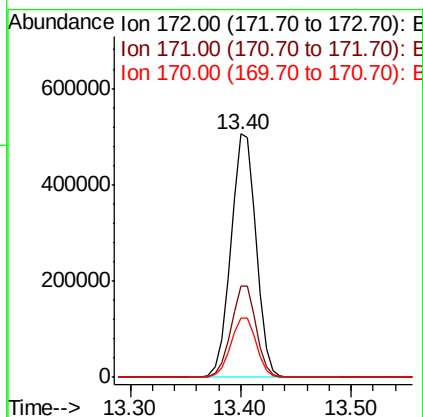
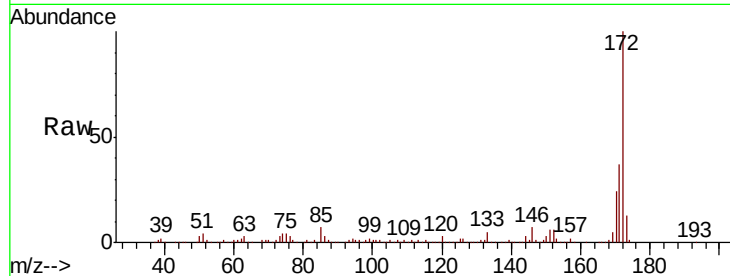




#45  
2-Fluorobiphenyl  
Concen: 86.477 ng  
RT: 13.40 min Scan# 1755  
Delta R.T. -0.02 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

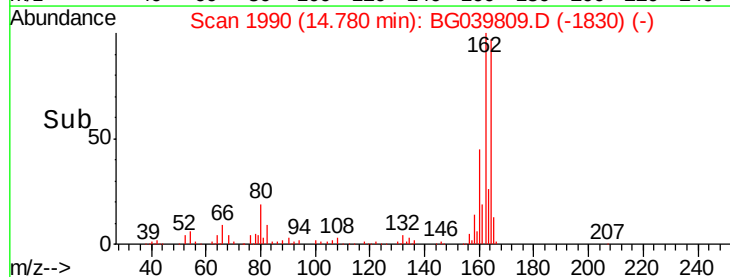
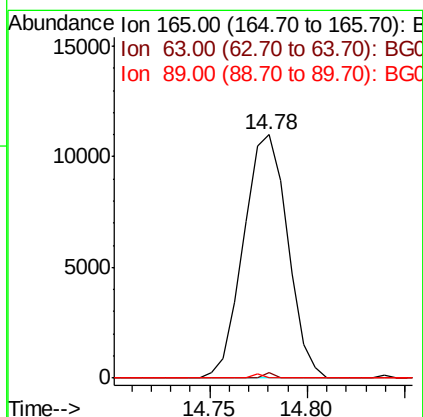
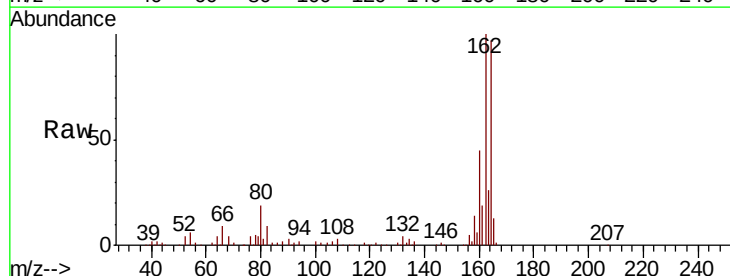
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6CD-S

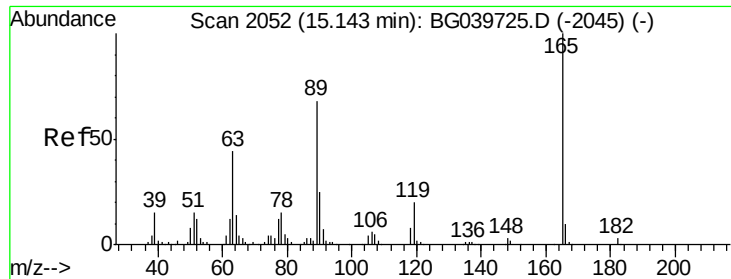
Tgt Ion:172 Resp: 806279  
Ion Ratio Lower Upper  
172 100  
171 37.4 30.8 46.2  
170 24.2 20.2 30.4



#51  
2,6-Dinitrotoluene  
Concen: 7.308 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. 0.41 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

Tgt Ion:165 Resp: 17197  
Ion Ratio Lower Upper  
165 100  
63 2.3 47.0 70.6#  
89 0.0 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 5.201 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.37 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

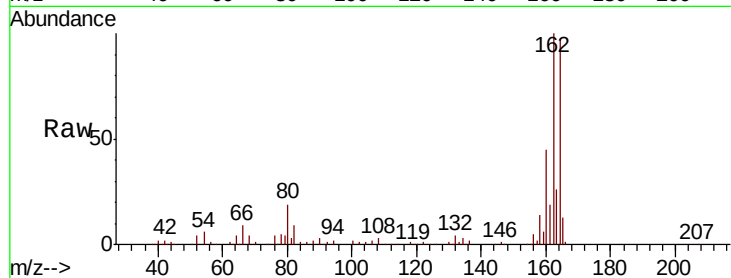
Instrument :

BNA\_F

ClientSampleId :

TP-6CD-S

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 17197 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 2.3   | 41.0  | 61.6# |
| 89        | 0.0   | 64.6  | 96.8# |
| 182       | 0.0   | 2.0   | 3.0#  |

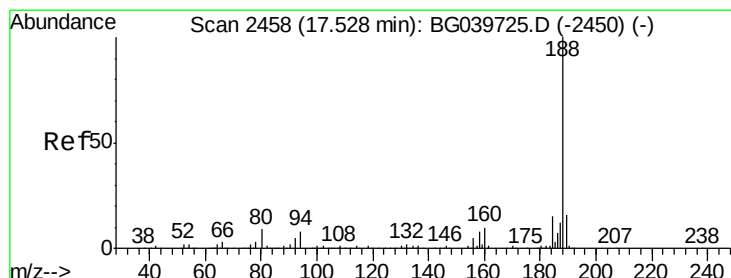
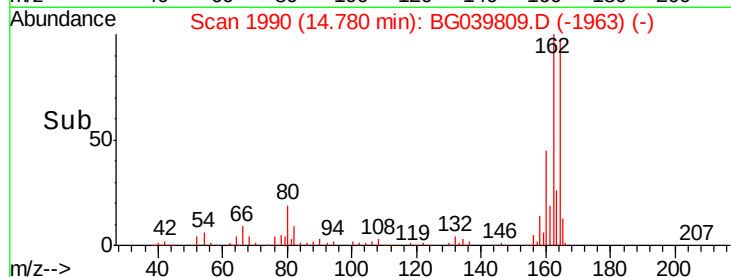
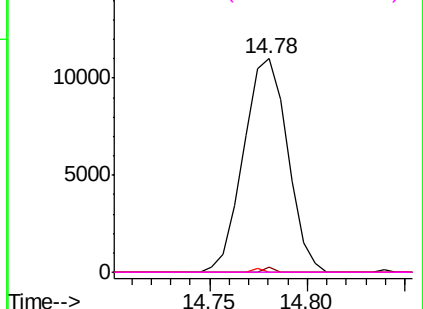


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

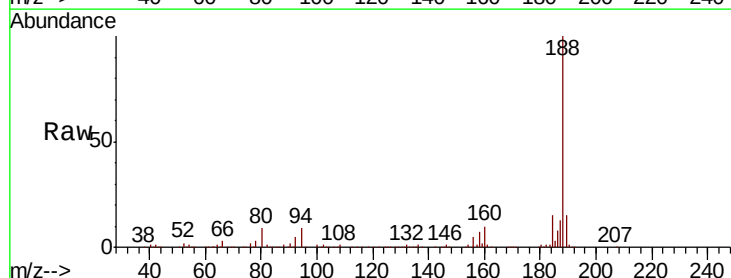
RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

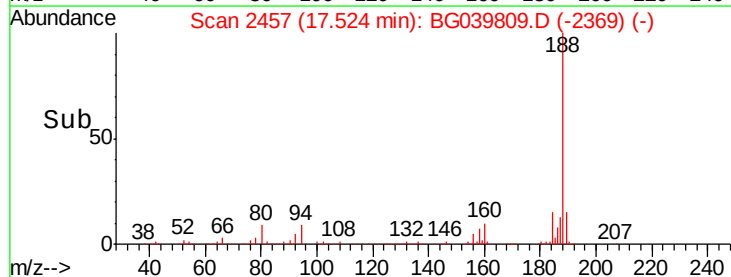
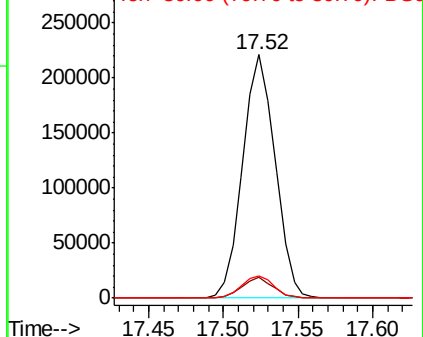
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 333351 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.7   | 6.9   | 10.3   |
| 80        | 9.0   | 8.1   | 12.1   |



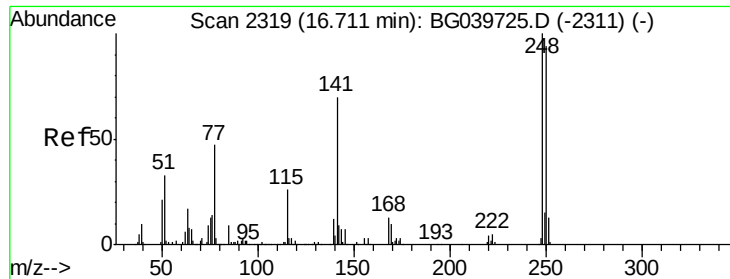
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



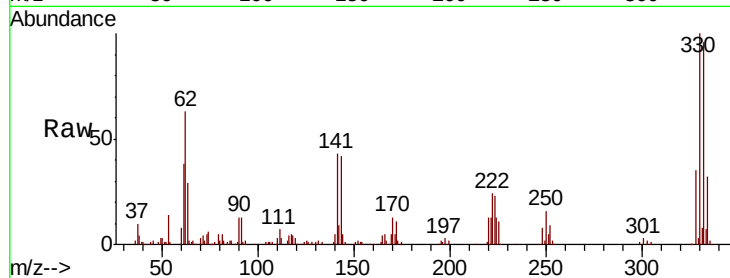




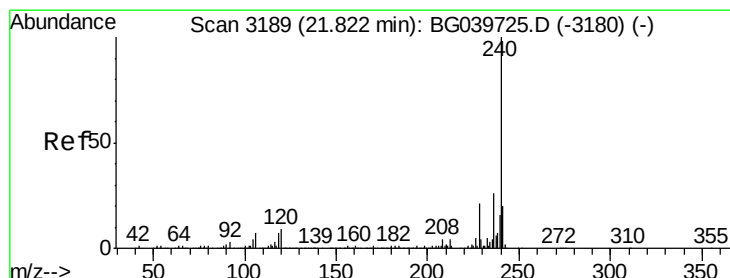
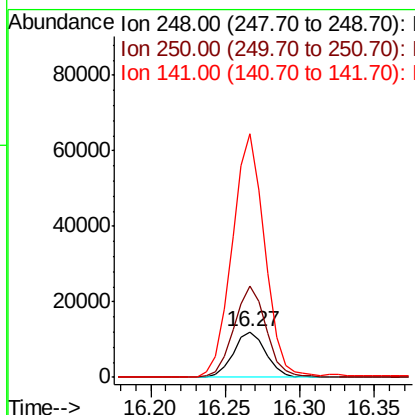
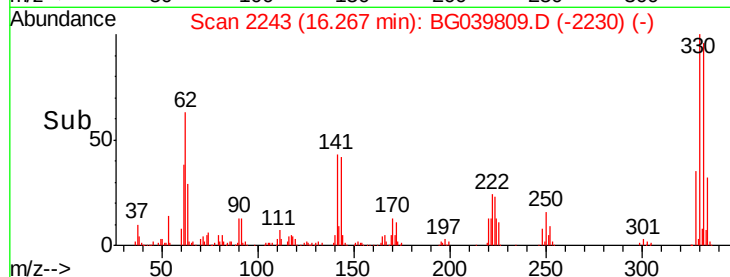
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.930 ng  
 RT: 16.27 min Scan# 2243  
 Delta R.T. -0.45 min  
 Lab File: BG039809.D  
 Acq: 7 Mar 2019 19:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6CD-S

Tgt Ion:248 Resp: 18396  
 Ion Ratio Lower Upper  
 248 100  
 250 201.1 77.6 116.4#  
 141 536.8 63.9 95.9#

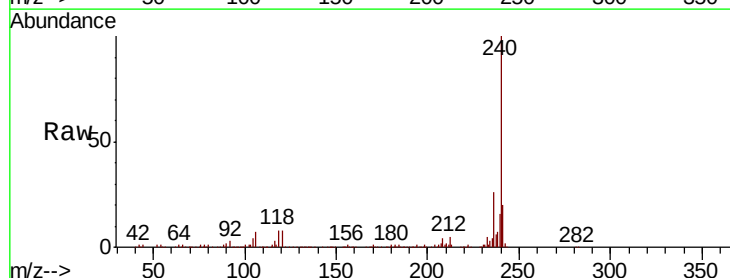


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

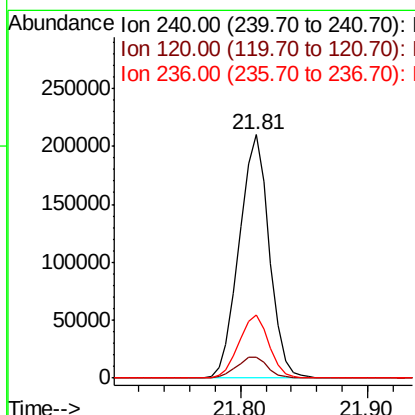
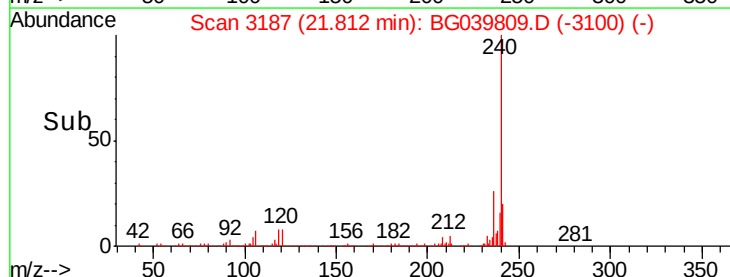


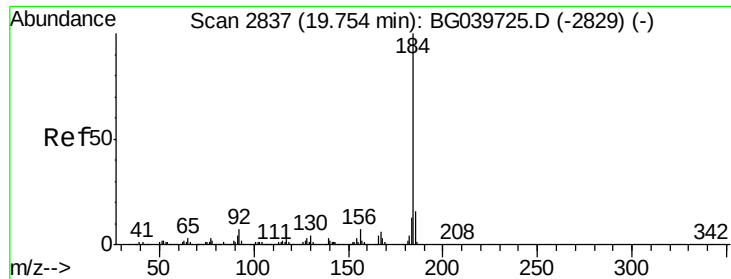
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.81 min Scan# 3187  
 Delta R.T. -0.02 min  
 Lab File: BG039809.D  
 Acq: 7 Mar 2019 19:27

Tgt Ion:240 Resp: 345138  
 Ion Ratio Lower Upper  
 240 100  
 120 8.4 7.0 10.6  
 236 25.8 21.0 31.4



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





#77

Benzidine

Concen: 2.343 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

Instrument :

BNA\_F

ClientSampled :

TP-6CD-S

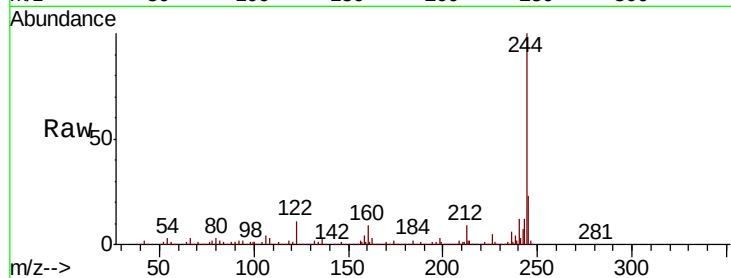
Tgt Ion:184 Resp: 25664

Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.2

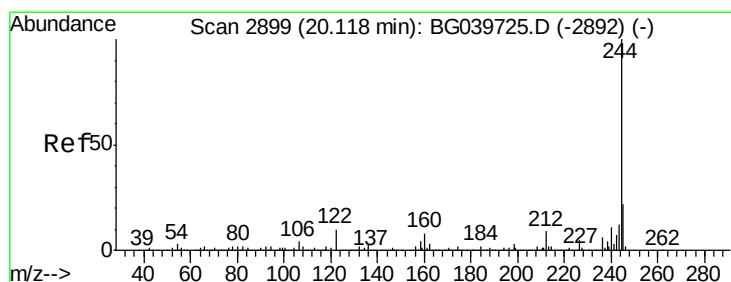
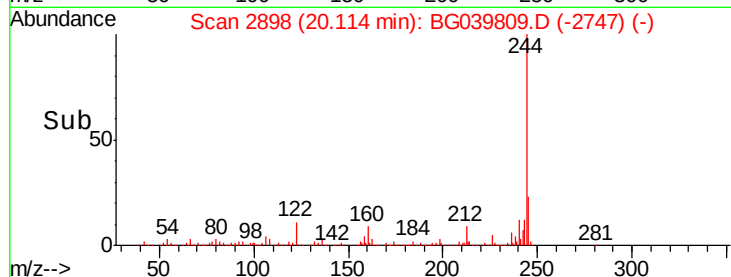
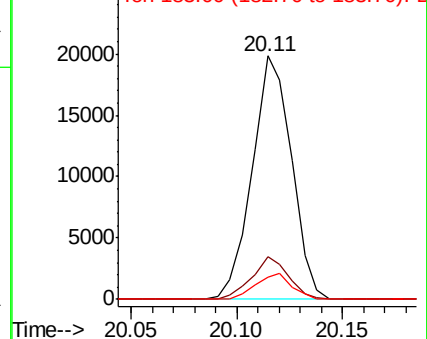
183 9.0 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 92.034 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039809.D

Acq: 7 Mar 2019 19:27

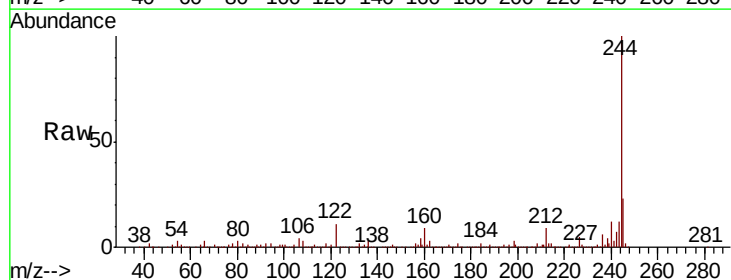
Tgt Ion:244 Resp: 1442657

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

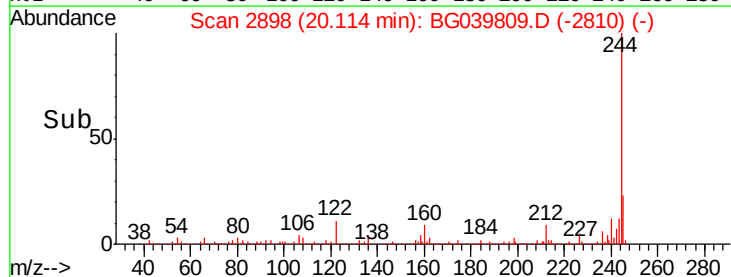
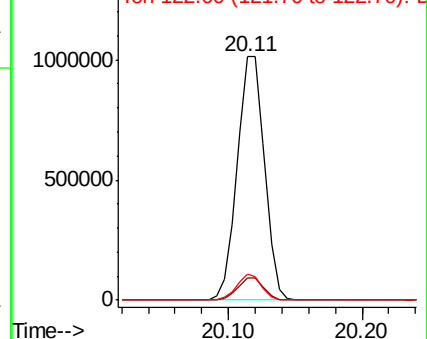
122 10.6 8.4 12.6

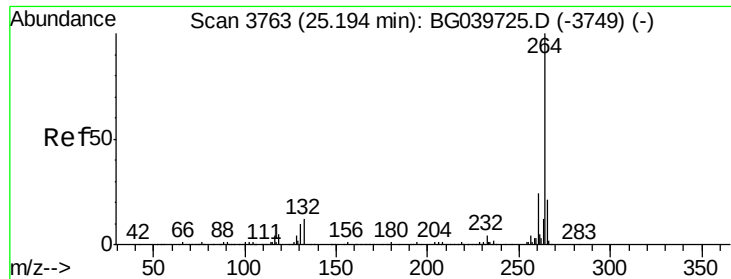


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.18 min Scan# 3760  
Delta R.T. -0.02 min  
Lab File: BG039809.D  
Acq: 7 Mar 2019 19:27

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6CD-S

Tgt Ion: 264 Resp: 339757  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.2 27.4  
265 20.7 18.5 27.7

