

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG122118\  
 Data File : BG038787.D  
 Acq On : 21 Dec 2018 15:30  
 Operator : JU/SJ  
 Sample : PB115904BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115904BL

Quant Time: Dec 22 01:11:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

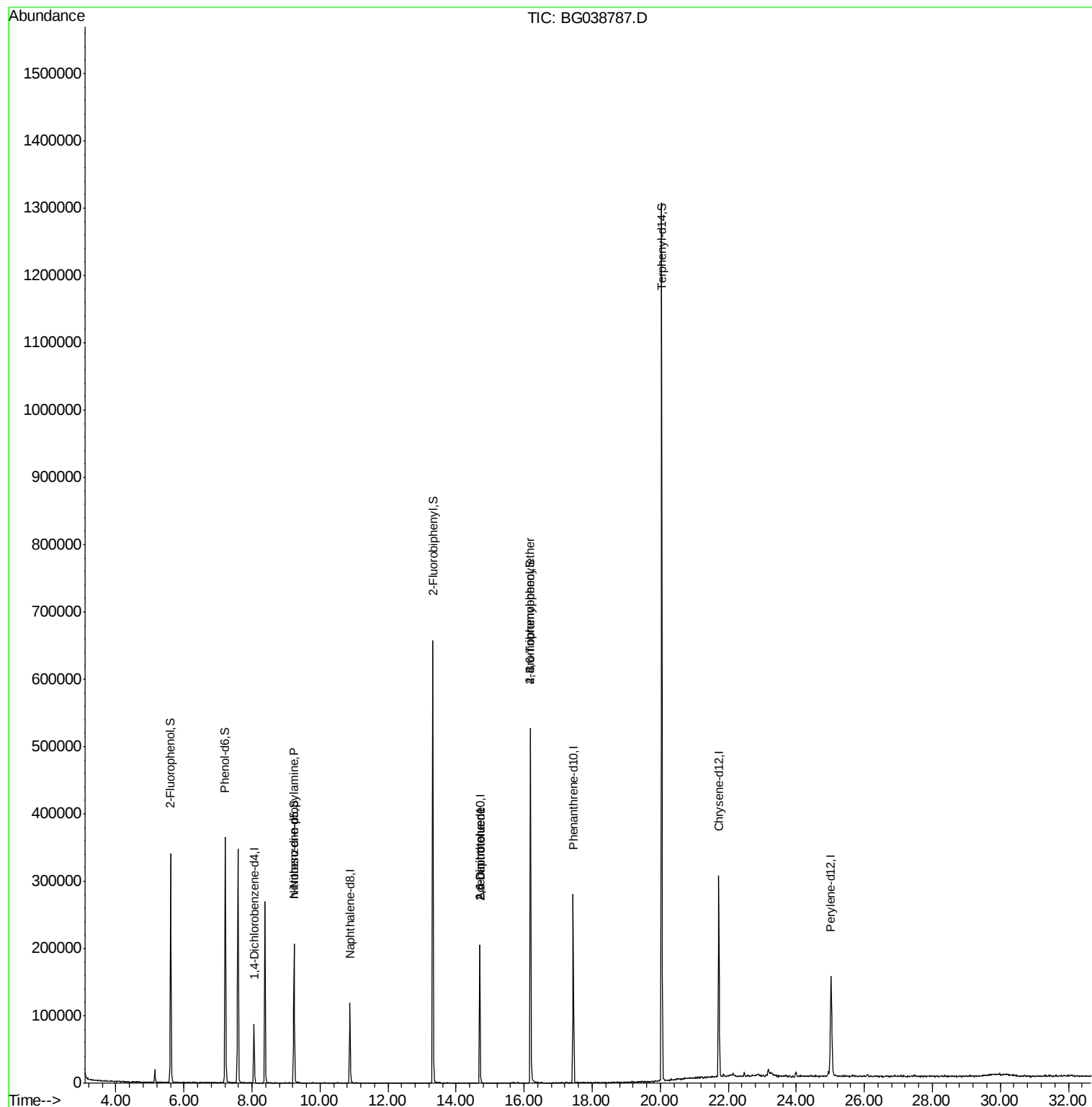
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 25338    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.88 | 136  | 106491   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.70 | 164  | 77097    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.44 | 188  | 191651   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.72 | 240  | 187558   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.02 | 264  | 192643   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 151679   | 106.17 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 215142   | 109.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.24  | 82   | 127772   | 61.30  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.19 | 330  | 116942   | 110.06 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.32 | 172  | 359369   | 63.95  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.04 | 244  | 657626   | 76.31  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.24  | 70   | 17250    | 12.523 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene         | 14.70 | 165  | 9896     | 6.936  | ng    | # 19     |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 9896     | 4.924  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 16.19 | 248  | 7065     | 3.018  | ng    | # 1      |

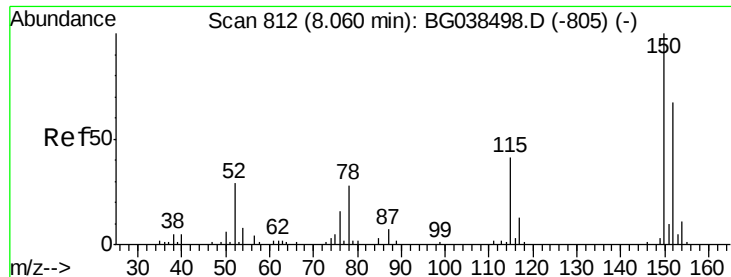
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG122118\  
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ALS Vial : 8 Sample Multiplier: 1

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BNA\_G  
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Quant Time: Dec 22 01:11:46 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration



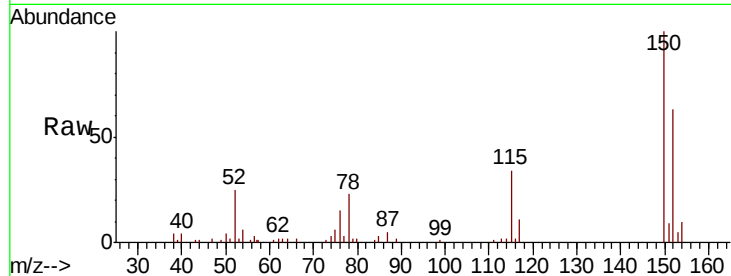


#1

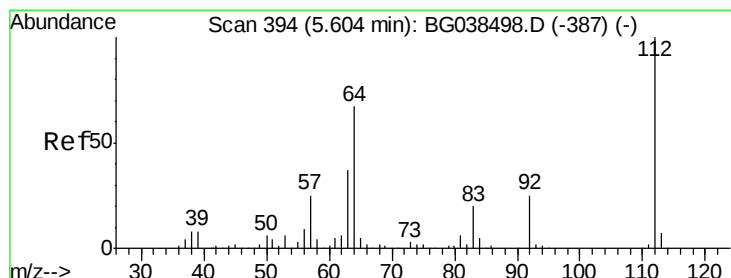
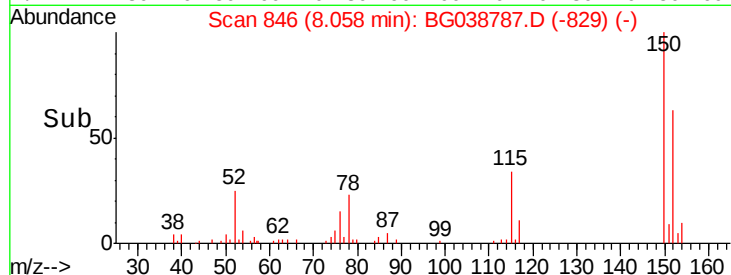
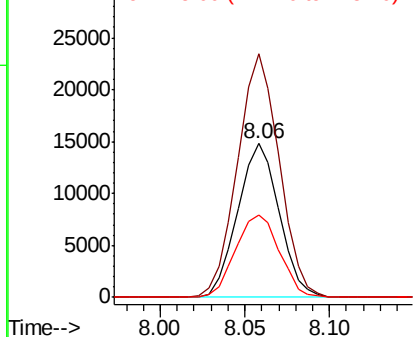
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038787.D  
Acq: 21 Dec 2018 15:30

Instrument :  
BNA\_G  
ClientSampleId :  
PB115904BL

Tgt Ion:152 Resp: 25338  
Ion Ratio Lower Upper  
152 100  
150 158.2 119.5 179.3  
115 53.7 49.6 74.4



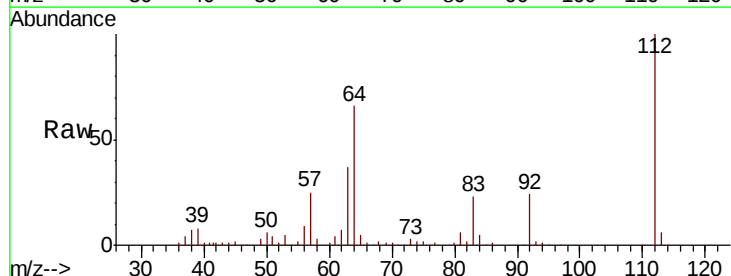
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



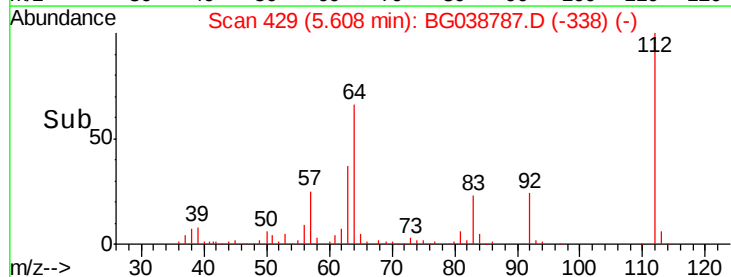
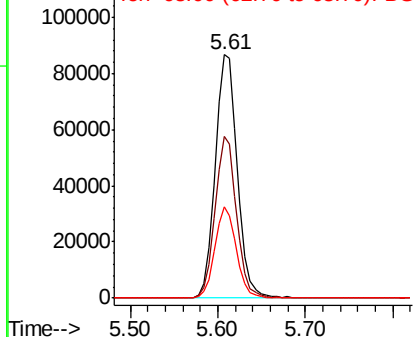
#5

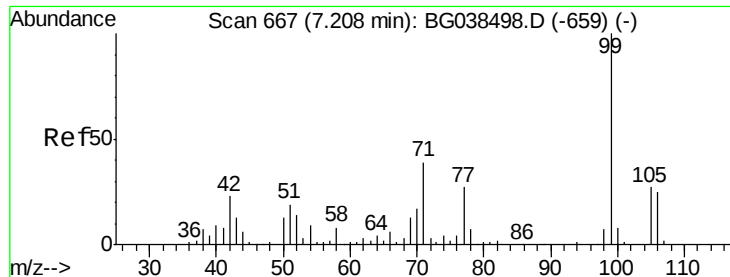
2-Fluorophenol  
Concen: 106.175 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BG038787.D  
Acq: 21 Dec 2018 15:30

Tgt Ion:112 Resp: 151679  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.4 80.2  
63 37.4 29.3 43.9



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: 109.701 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

Instrument :

BNA\_G

ClientSampleId :

PB115904BL

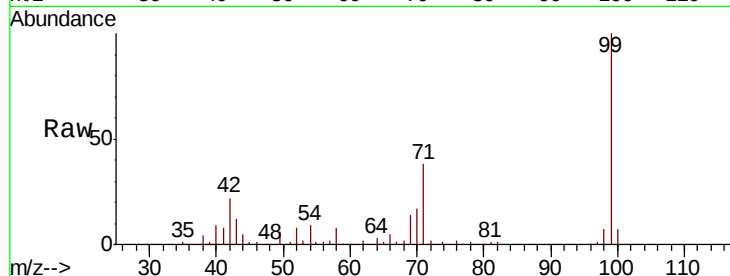
Tgt Ion: 99 Resp: 215142

Ion Ratio Lower Upper

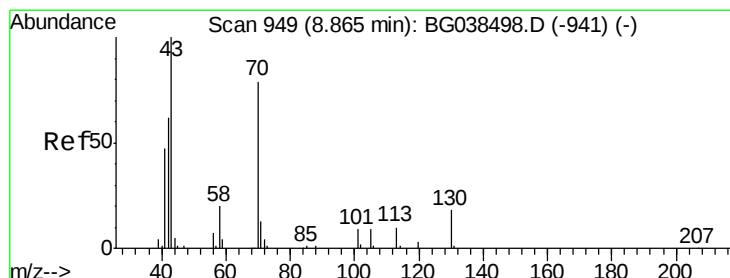
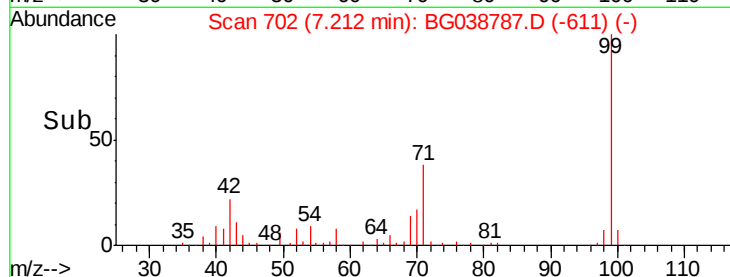
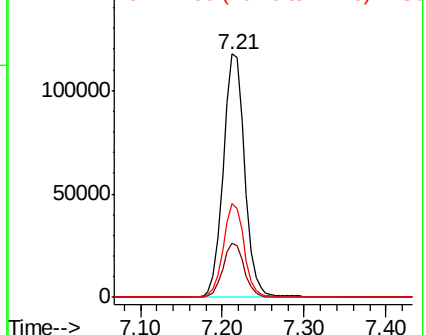
99 100

42 22.3 18.5 27.7

71 38.3 31.1 46.7



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: 12.523 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

Tgt Ion: 70 Resp: 17250

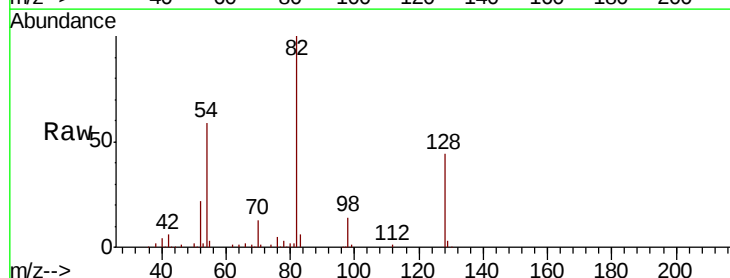
Ion Ratio Lower Upper

70 100

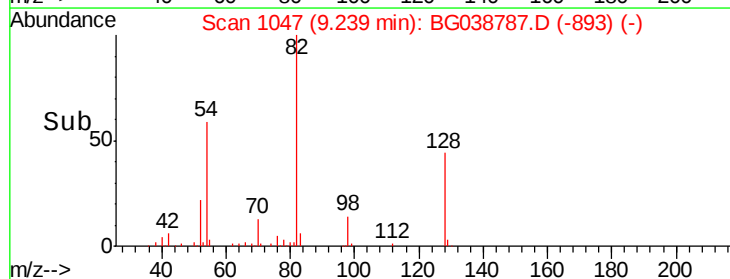
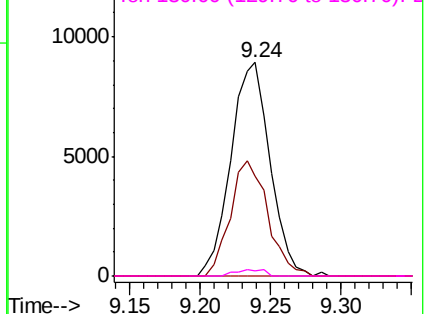
42 46.8 63.6 95.4#

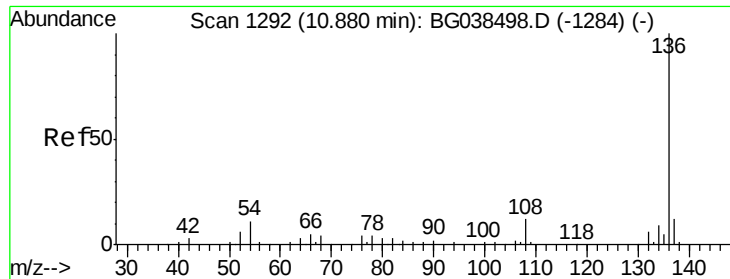
101 0.0 9.2 13.8#

130 2.2 18.5 27.7#



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

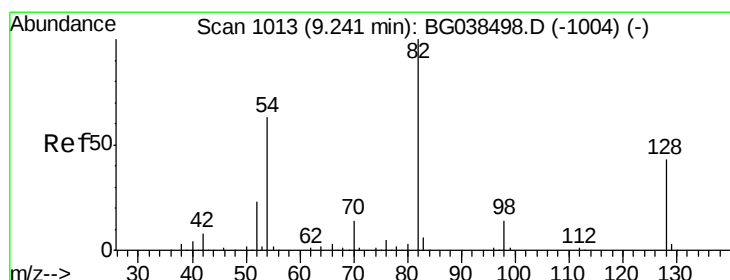
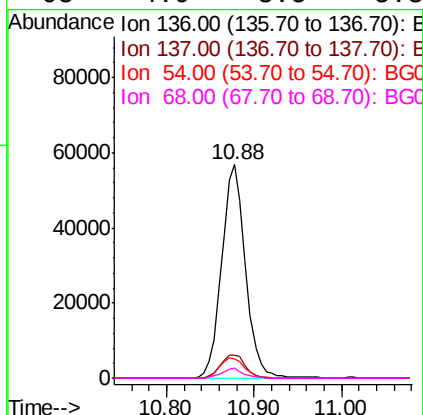
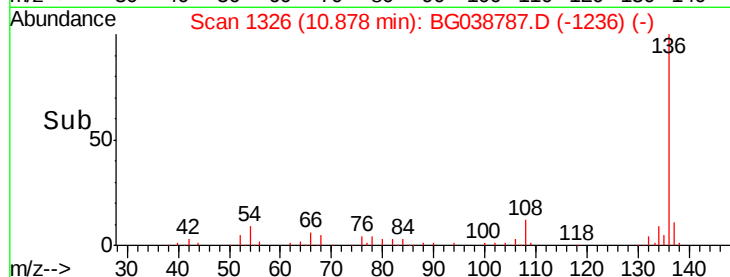
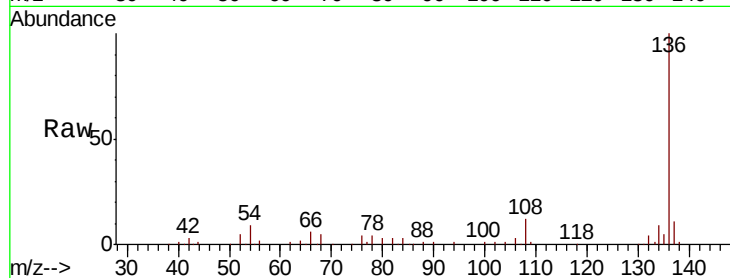




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG038787.D  
Acq: 21 Dec 2018 15:30

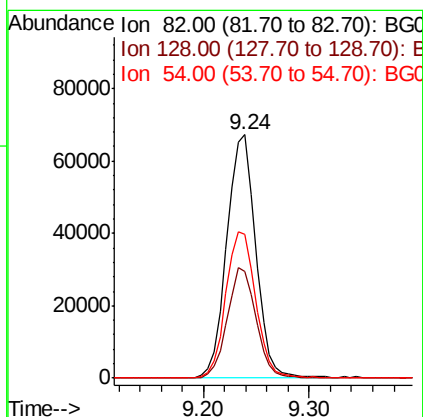
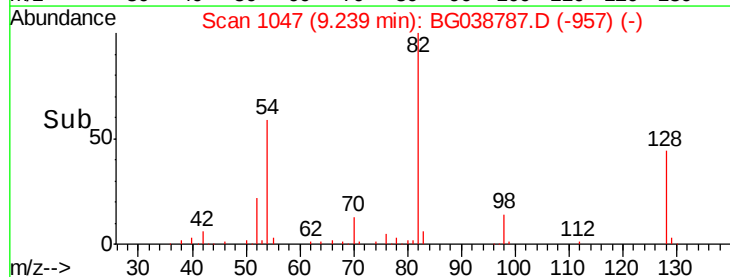
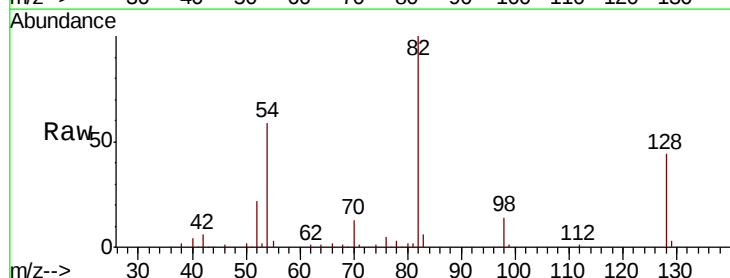
Instrument :  
BNA\_G  
ClientSampleId :  
PB115904BL

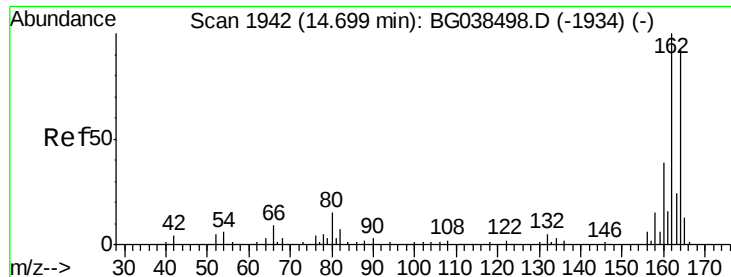
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 106491 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.3   | 13.9   |
| 54       | 9.3   | 8.5   | 12.7   |
| 68       | 4.9   | 3.5   | 5.3    |



#23  
Nitrobenzene-d5  
Concen: 61.296 ng  
RT: 9.24 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BG038787.D  
Acq: 21 Dec 2018 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 127772 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.7  | 34.6  | 52.0   |
| 54       | 59.0  | 50.6  | 76.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

Instrument :

BNA\_G

ClientSampleId :

PB115904BL

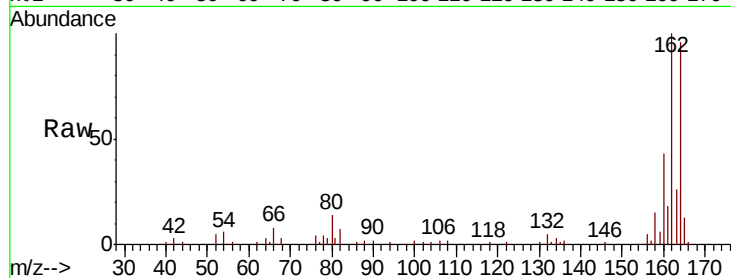
Tgt Ion:164 Resp: 77097

Ion Ratio Lower Upper

164 100

162 104.0 86.6 130.0

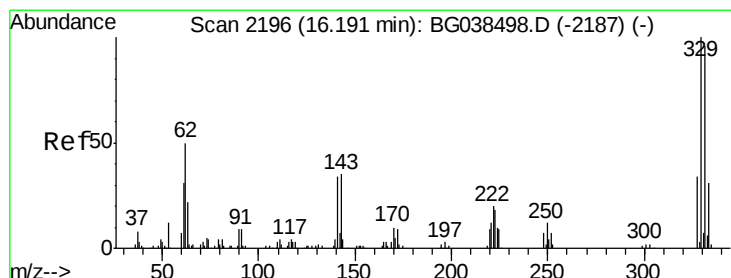
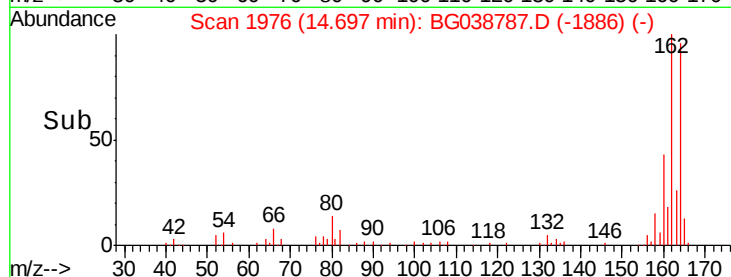
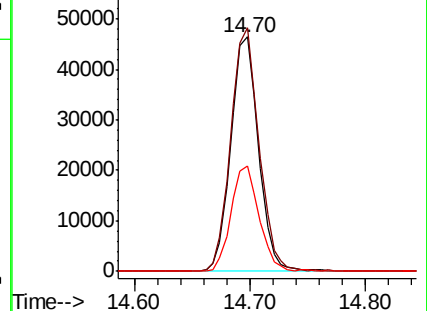
160 44.8 34.2 51.2



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: 110.059 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

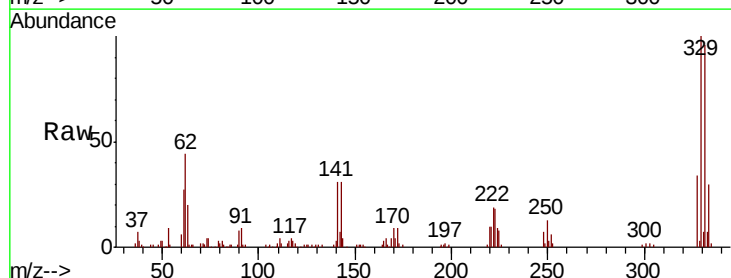
Tgt Ion:330 Resp: 116942

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

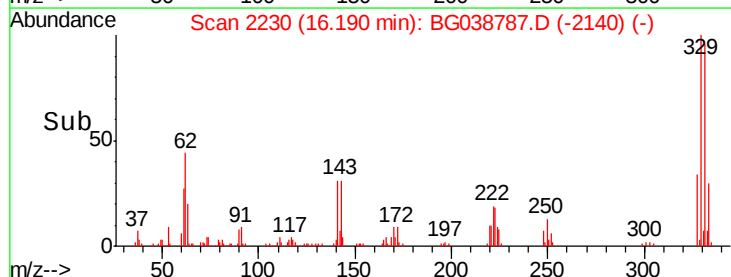
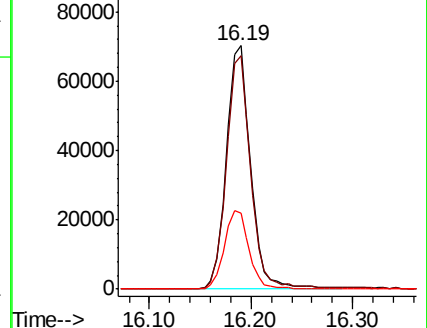
141 33.2 28.8 43.2

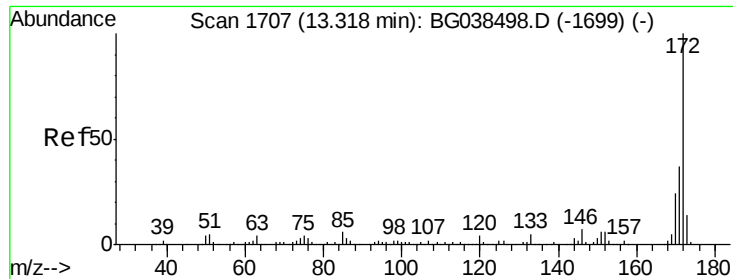


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

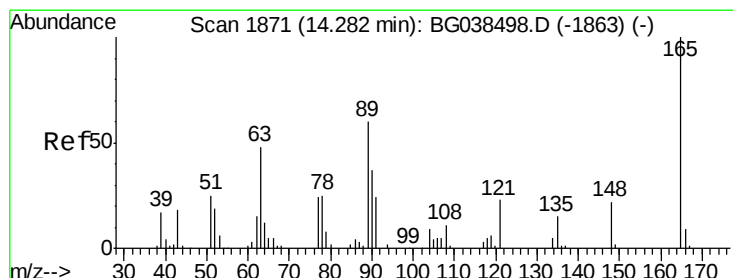
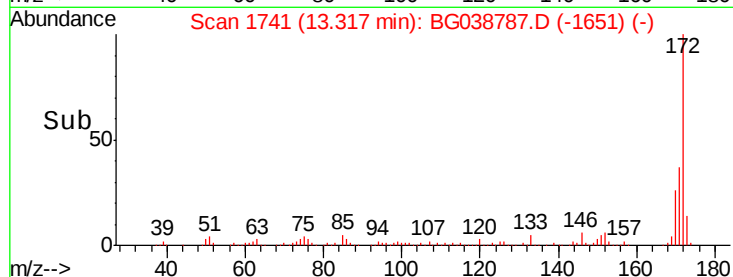
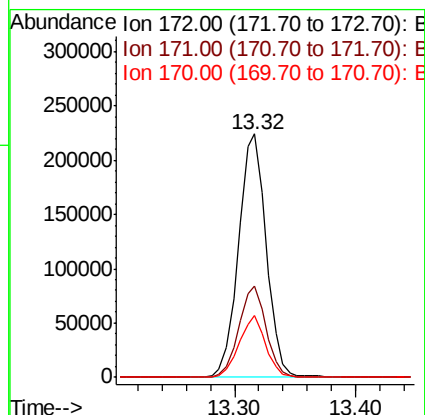
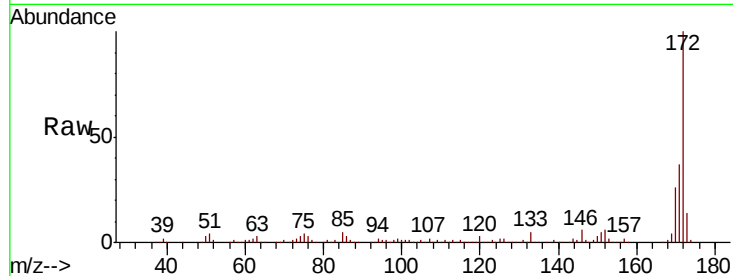




#45  
 2-Fluorobiphenyl  
 Concen: 63.945 ng  
 RT: 13.32 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

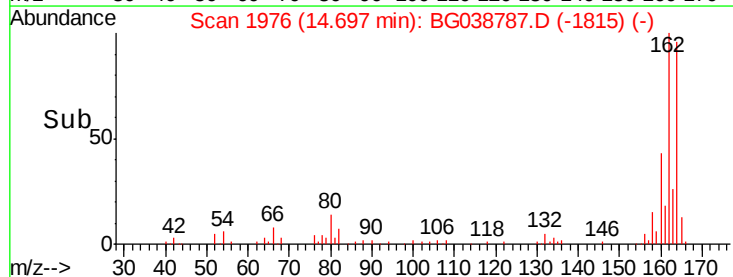
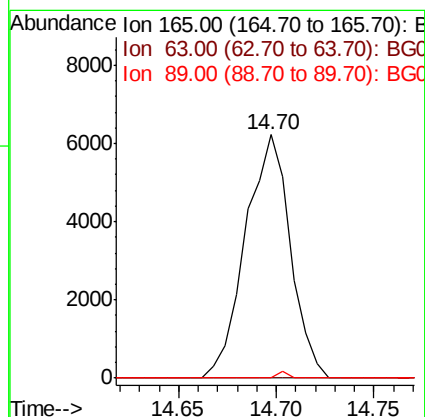
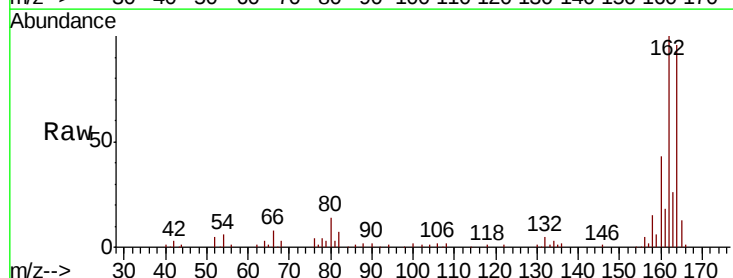
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115904BL

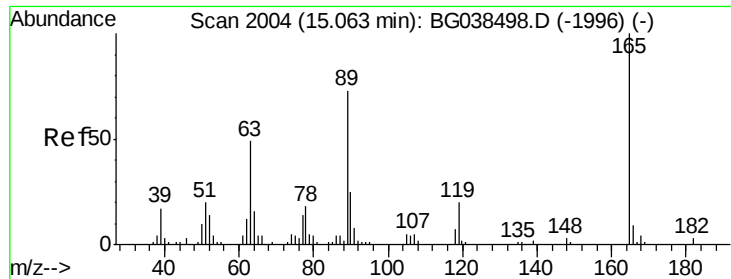
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.8  | 44.6  |
| 170     | 25.6  | 19.5  | 29.3  |



#51  
 2,6-Dinitrotoluene  
 Concen: 6.936 ng  
 RT: 14.70 min Scan# 1976  
 Delta R.T. 0.42 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 51.8  | 77.6# |
| 89      | 0.0   | 47.9  | 71.9# |

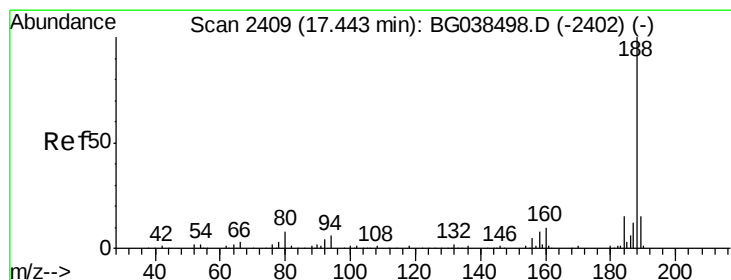
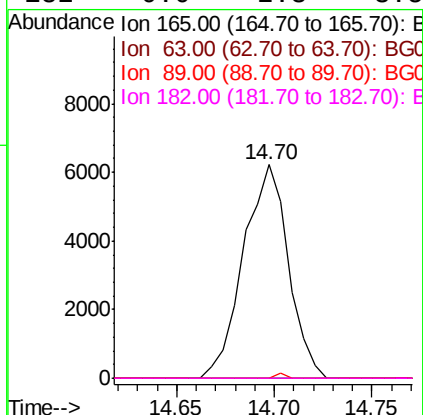
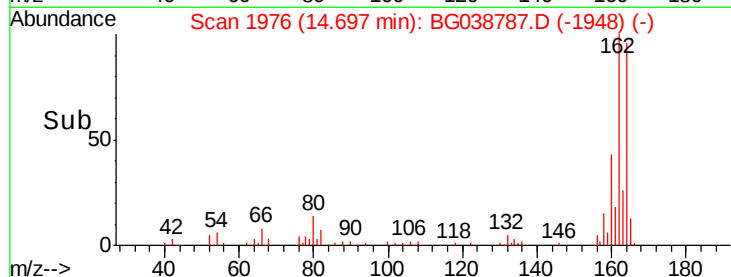
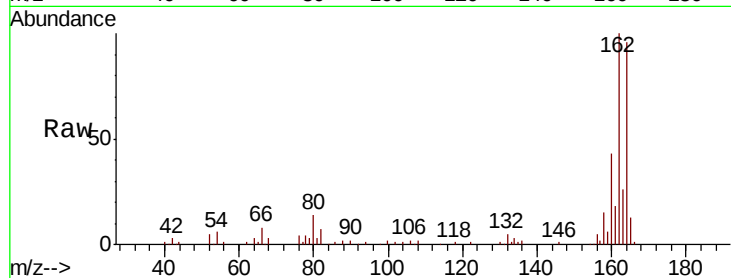




#57  
 2,4-Dinitrotoluene  
 Concen: 4.924 ng  
 RT: 14.70 min Scan# 1976  
 Delta R.T. -0.37 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

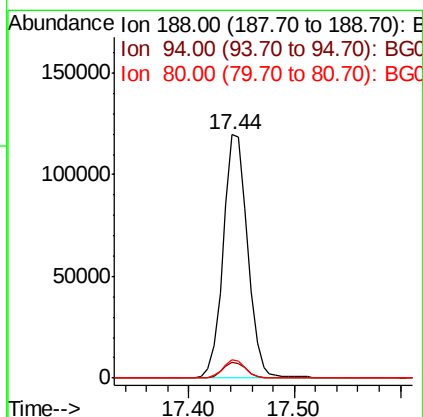
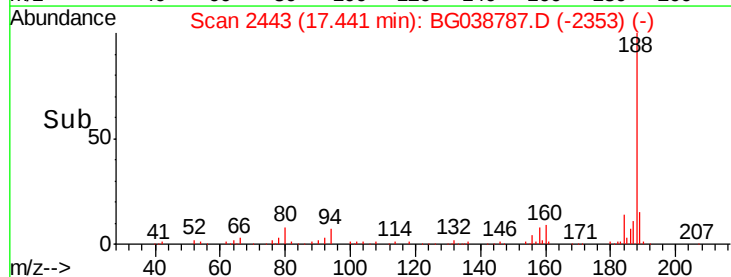
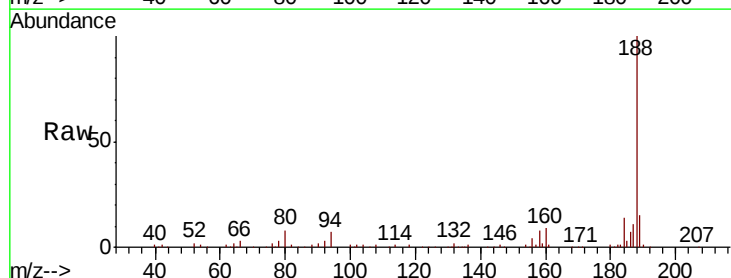
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115904BL

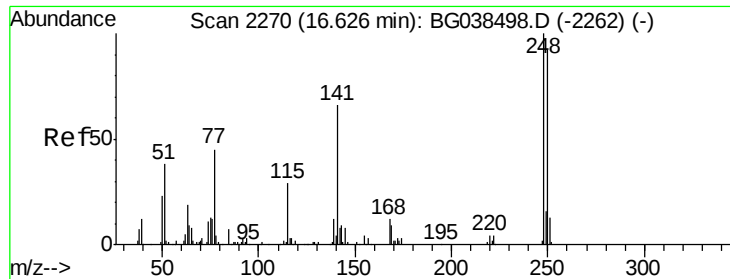
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 9896  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 39.0  | 58.4# |
| 89       | 0.0   | 58.0  | 87.0# |
| 182      | 0.0   | 2.3   | 3.5#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.44 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 191651 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.6   | 5.1   | 7.7    |
| 80       | 7.5   | 6.1   | 9.1    |

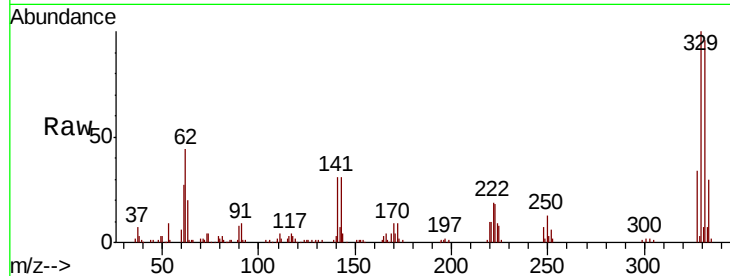




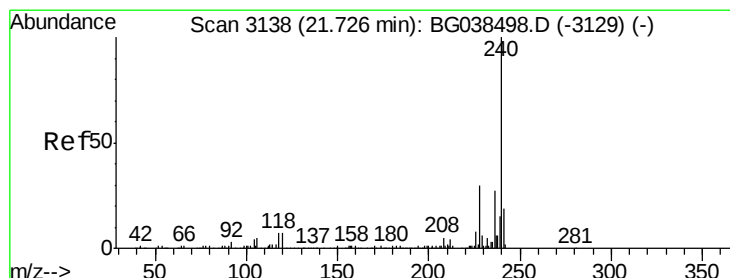
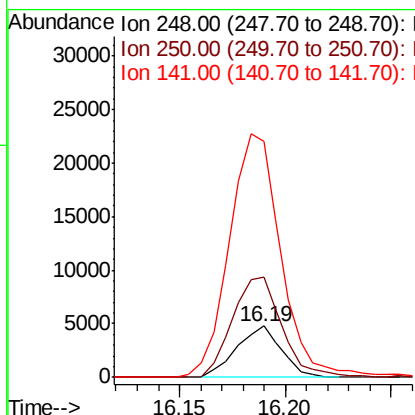
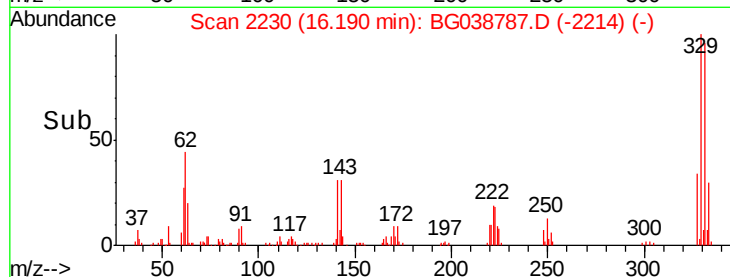
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.018 ng  
 RT: 16.19 min Scan# 2230  
 Delta R.T. -0.44 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115904BL

Tgt Ion:248 Resp: 7065  
 Ion Ratio Lower Upper  
 248 100  
 250 186.8 73.4 110.2#  
 141 354.6 52.9 79.3#

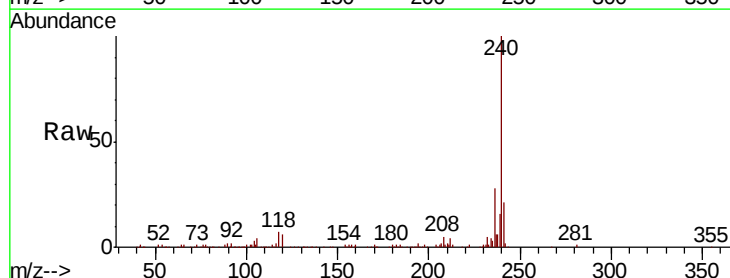


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

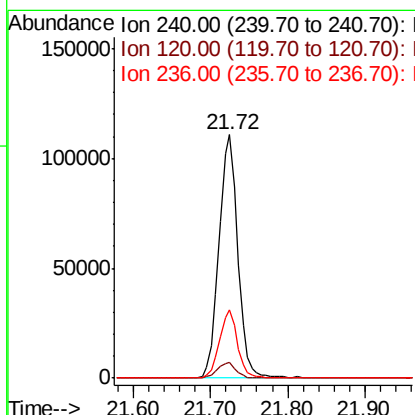
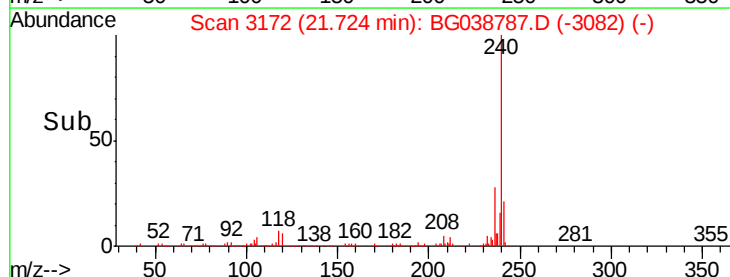


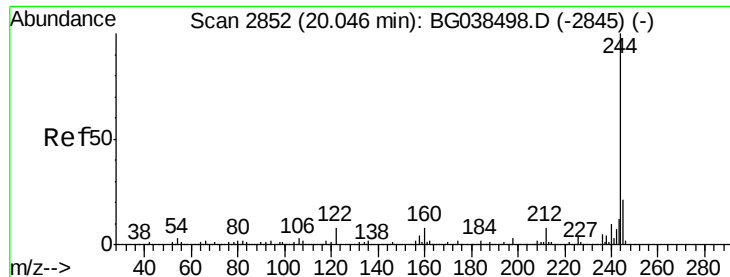
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.72 min Scan# 3172  
 Delta R.T. -0.00 min  
 Lab File: BG038787.D  
 Acq: 21 Dec 2018 15:30

Tgt Ion:240 Resp: 187558  
 Ion Ratio Lower Upper  
 240 100  
 120 6.4 5.3 7.9  
 236 28.0 21.4 32.2



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: 76.308 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

Instrument :

BNA\_G

ClientSampleId :

PB115904BL

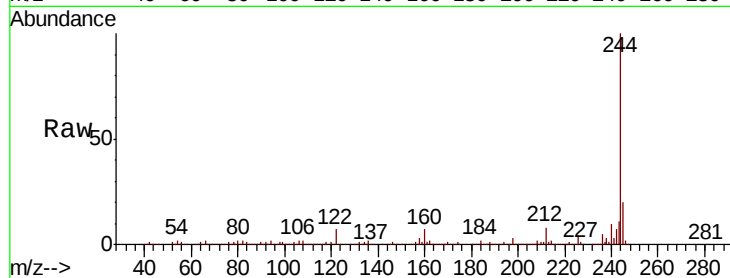
Tgt Ion:244 Resp: 657626

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 7.2 6.3 9.5



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

20.04

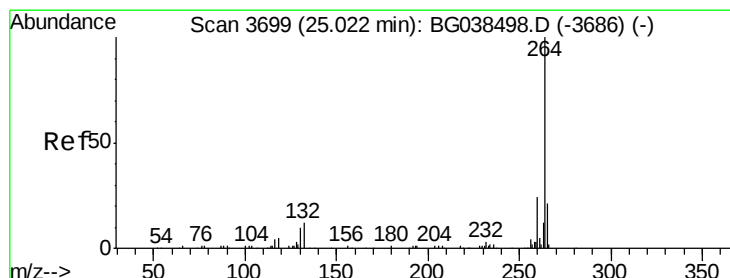
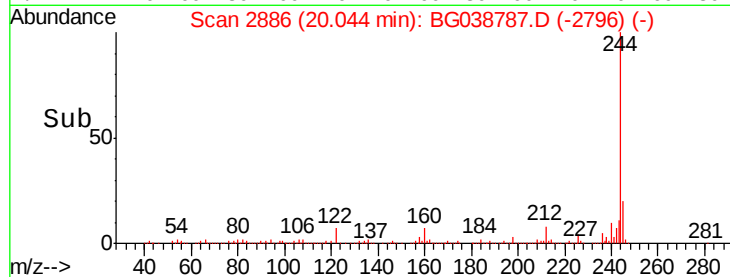
400000

200000

0

Time-->

20.00 20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038787.D

Acq: 21 Dec 2018 15:30

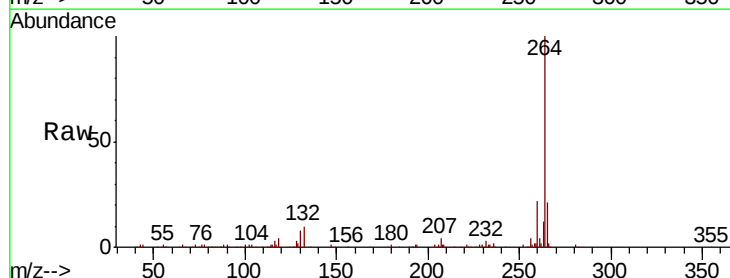
Tgt Ion:264 Resp: 192643

Ion Ratio Lower Upper

264 100

260 22.1 18.9 28.3

265 20.9 17.0 25.4



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

25.02

80000

60000

40000

20000

0

Time-->

24.90 25.00 25.10

