

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\  
 Data File : BG039092.D  
 Acq On : 11 Jan 2019 19:27  
 Operator : JU/SJ  
 Sample : PB116292BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 12 00:28:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 09 14:23:53 2019  
 Response via : Initial Calibration

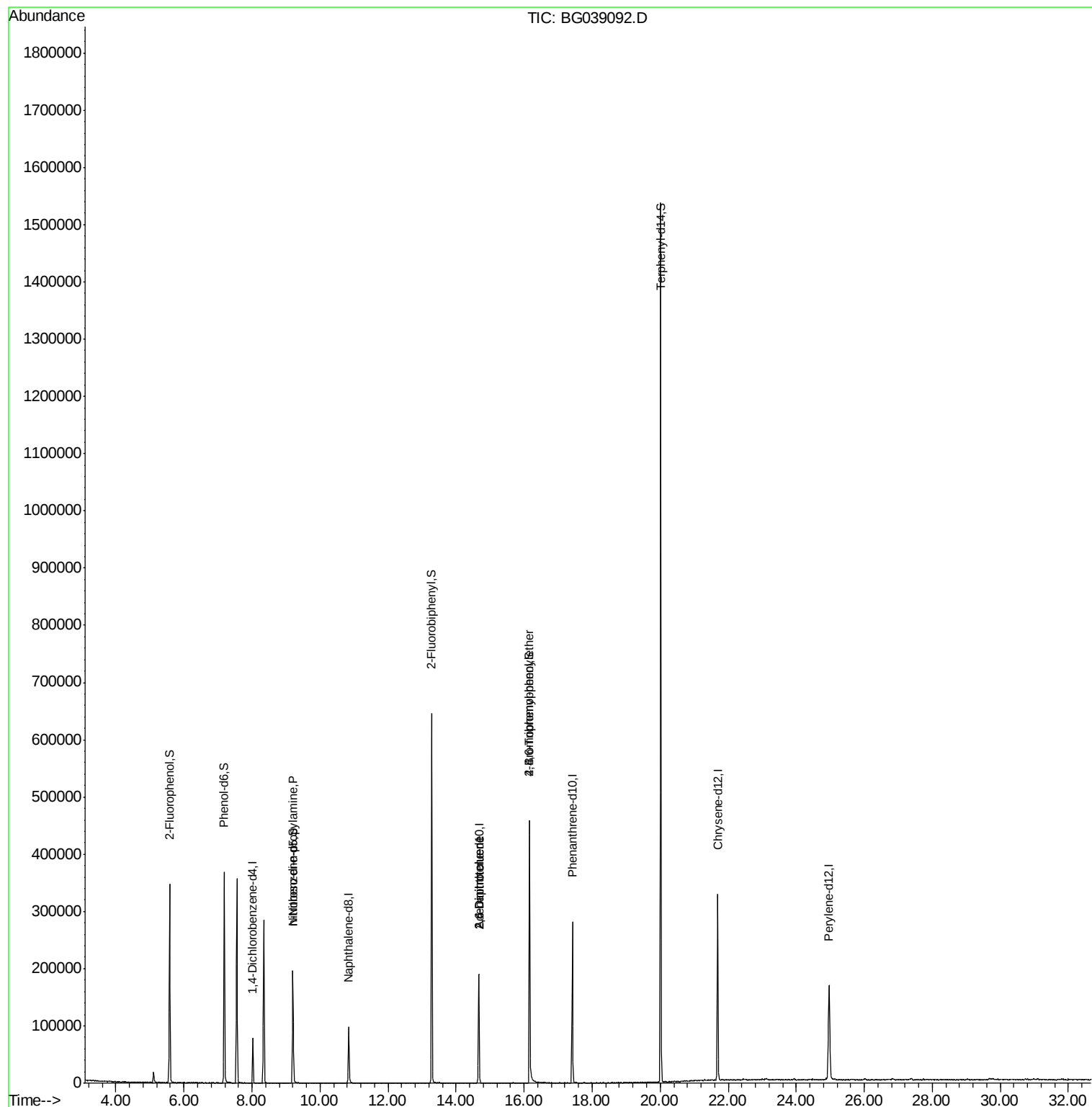
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.02  | 152  | 23637    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.84 | 136  | 95815    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.66 | 164  | 75568    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.42 | 188  | 193557   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.69 | 240  | 207352   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.97 | 264  | 215117   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 166526   | 133.65 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.18  | 99   | 227730   | 127.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 128694   | 73.50  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.16 | 330  | 108445   | 85.61  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 363885   | 65.90  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 788721   | 70.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.20  | 70   | 15682    | 13.317 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene         | 14.66 | 165  | 9213     | 6.453  | ng    | # 24     |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 9213     | 4.498  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 16.16 | 248  | 7082     | 2.846  | ng    | # 1      |

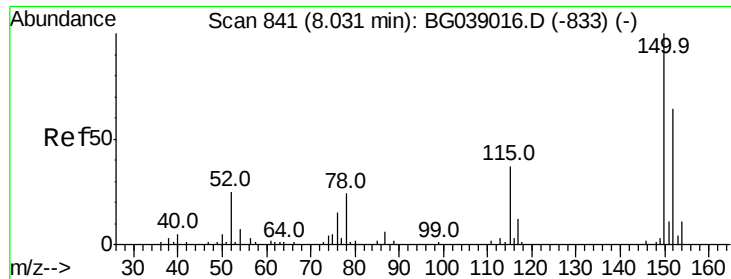
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\  
Data File : BG039092.D  
Acq On : 11 Jan 2019 19:27  
Operator : JU/SJ  
Sample : PB116292BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jan 12 00:28:48 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 09 14:23:53 2019  
Response via : Initial Calibration



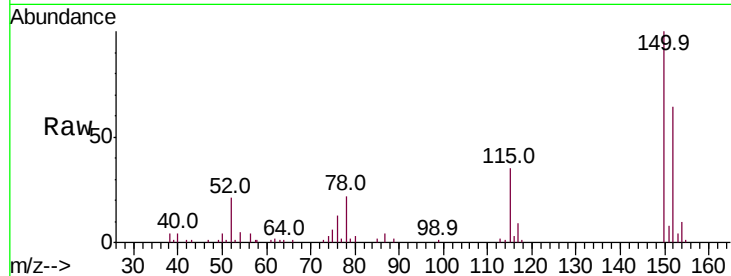


#1

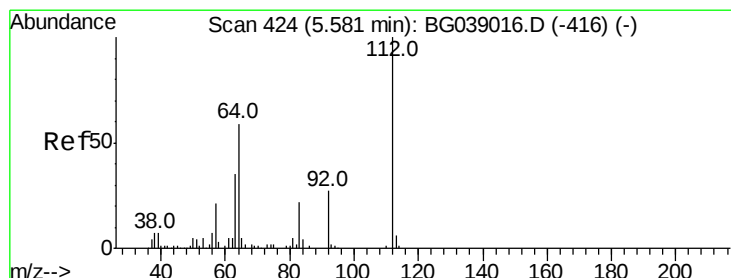
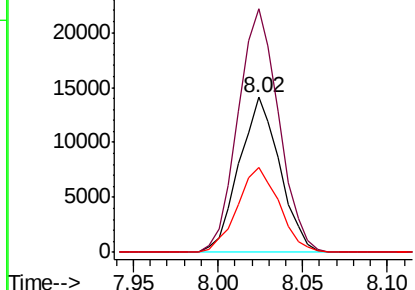
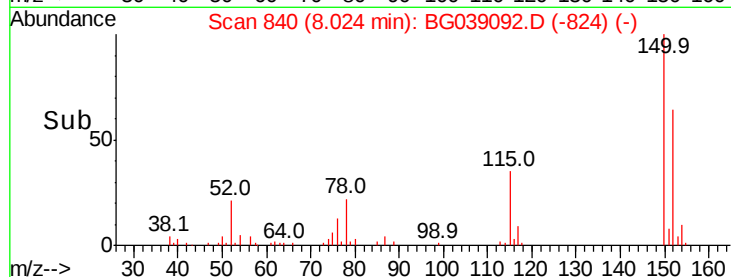
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 23637  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.7 187.1  
115 54.6 46.5 69.7



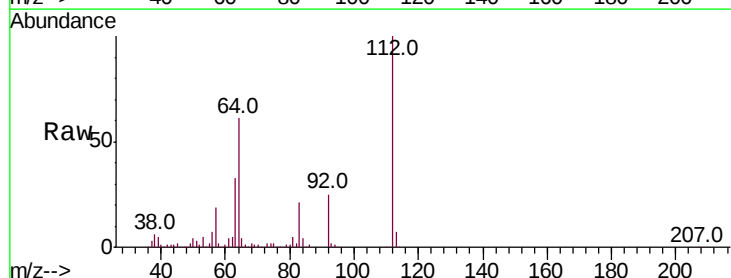
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



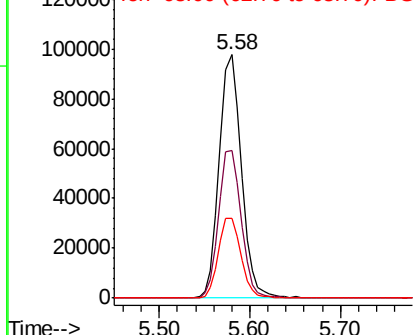
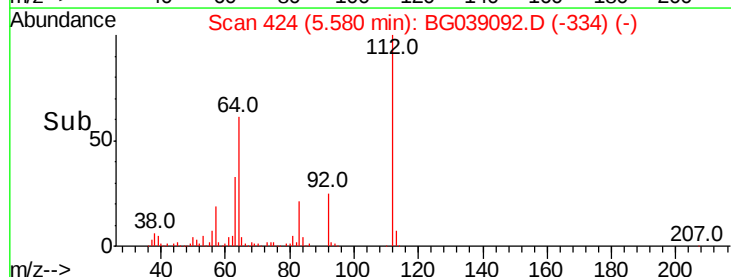
#5

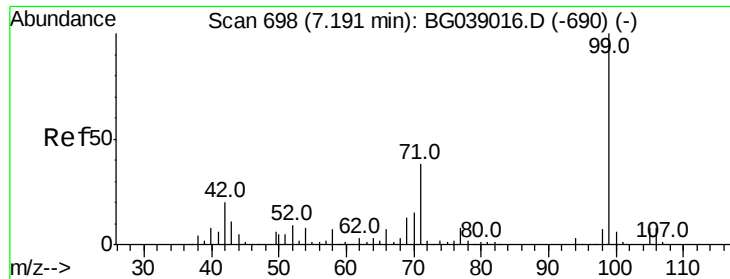
2-Fluorophenol  
Concen: 133.645 ng  
RT: 5.58 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

Tgt Ion:112 Resp: 166526  
Ion Ratio Lower Upper  
112 100  
64 60.9 47.0 70.6  
63 32.8 28.0 42.0



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: 126.996 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

Instrument :

BNA\_G

ClientSampleId :

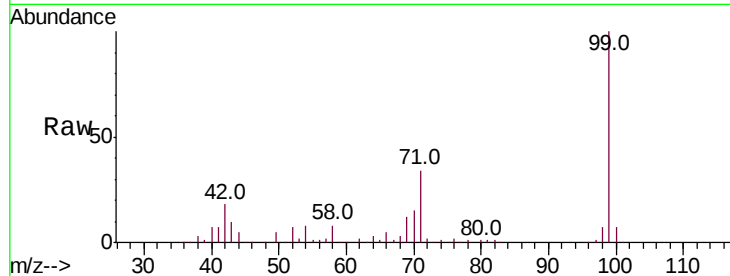
Tot Ion: 99 Resp: 227730

Ion Ratio Lower Upper

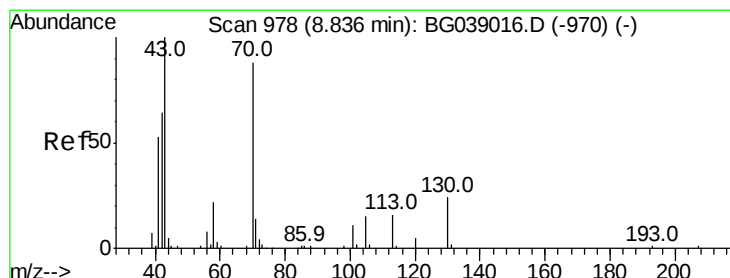
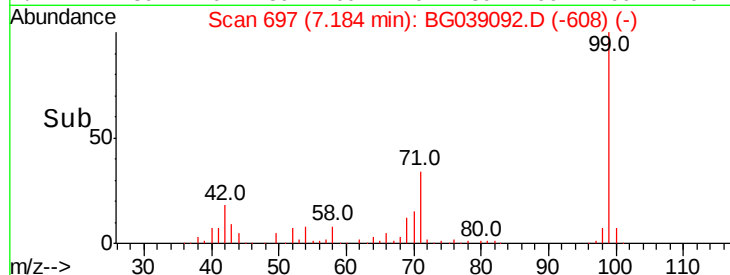
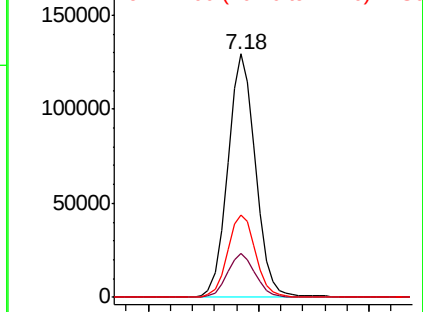
99 100

42 18.0 15.8 23.6

71 34.0 30.2 45.4



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: 13.317 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

Tgt Ion: 70 Resp: 15682

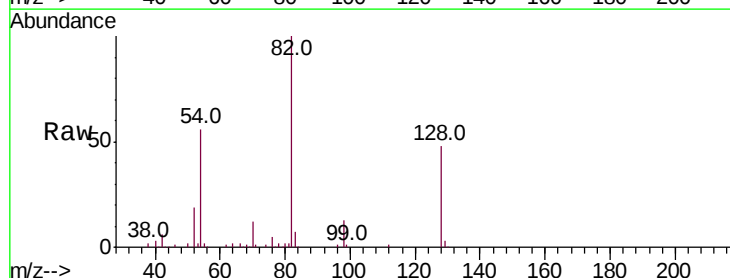
Ion Ratio Lower Upper

70 100

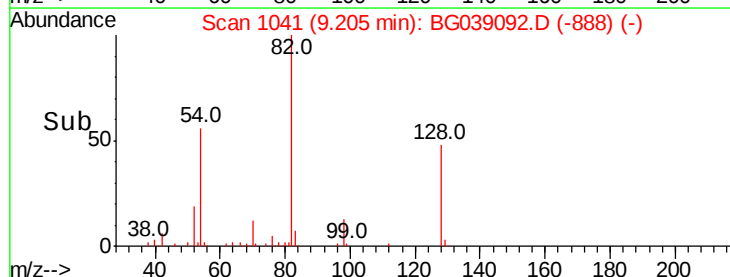
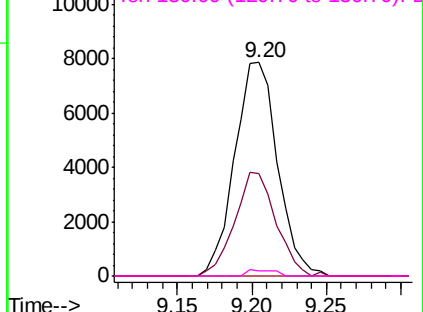
42 47.8 59.0 88.4#

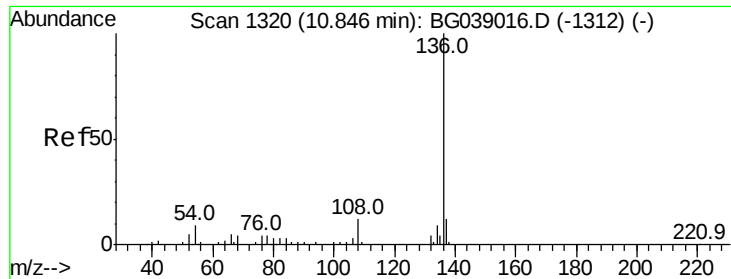
101 0.0 10.4 15.6#

130 2.6 21.6 32.4#



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

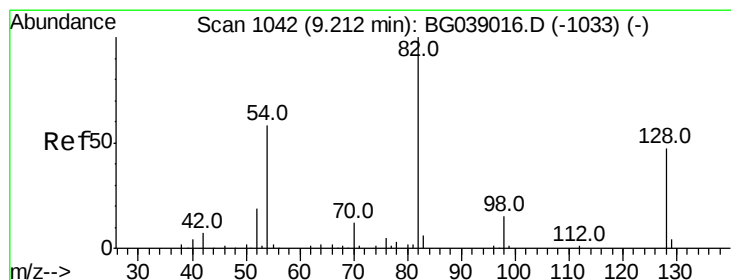
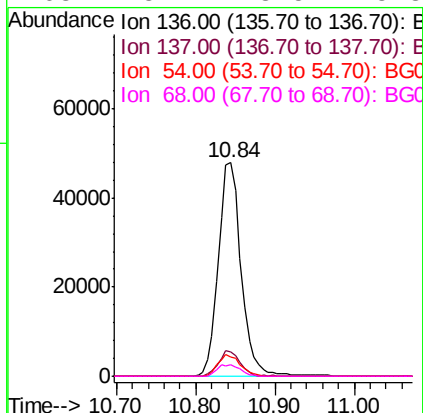
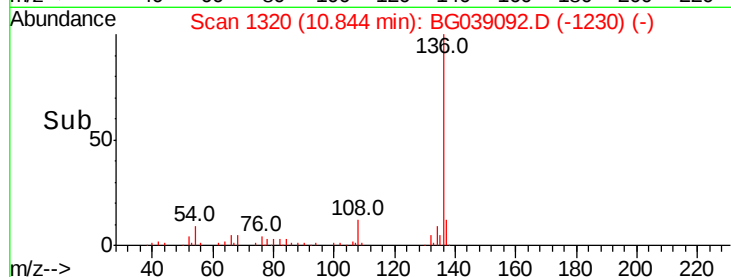
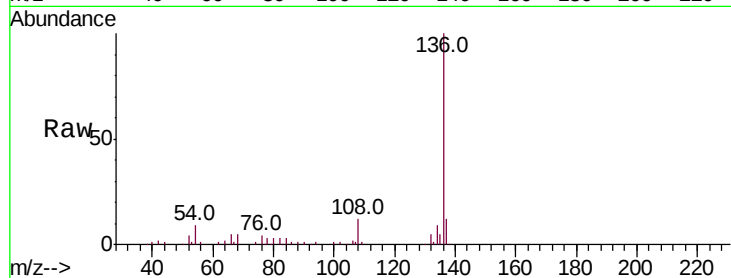




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

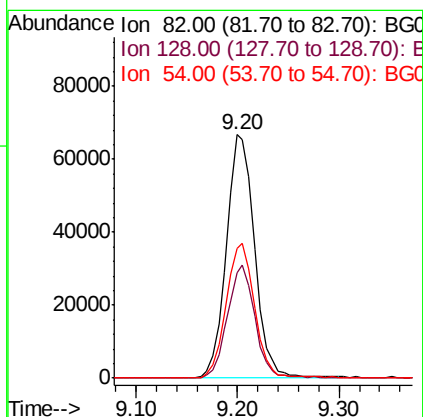
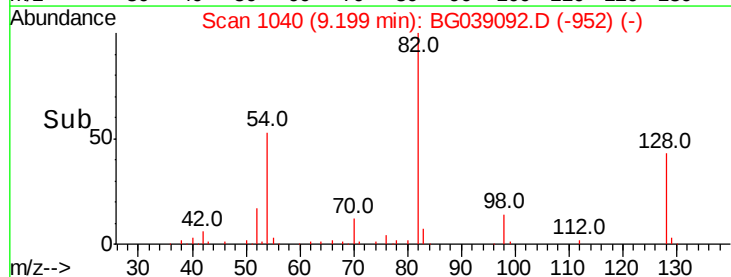
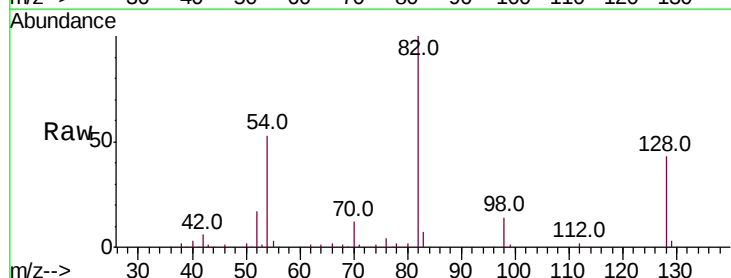
Instrument :  
BNA\_G  
ClientSampleId :

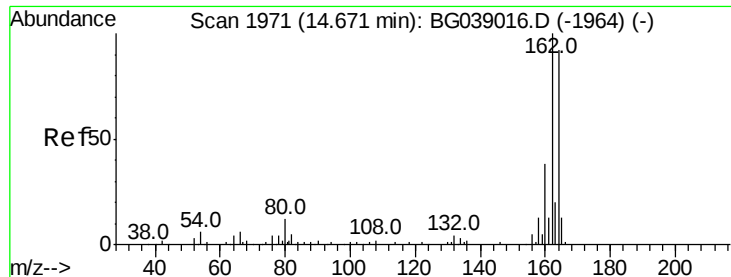
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 95815    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.6  | 9.4 14.2 |
| 54          | 8.8   | 7.2 10.8 |
| 68          | 5.4   | 3.5 5.3# |



#23  
Nitrobenzene-d5  
Concen: 73.497 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 128694    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.4  | 37.3 55.9 |
| 54          | 53.0  | 46.4 69.6 |

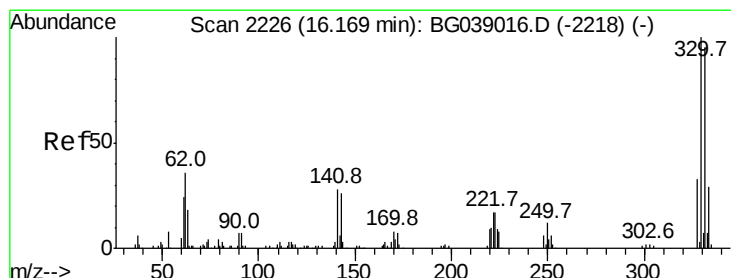
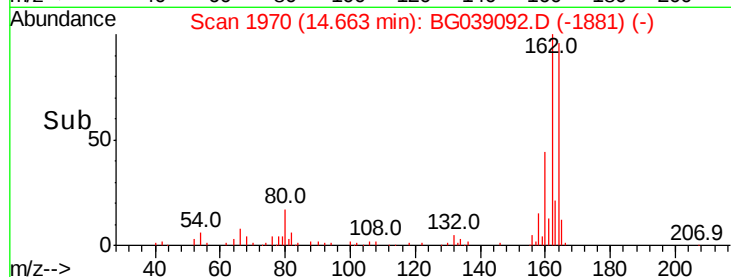
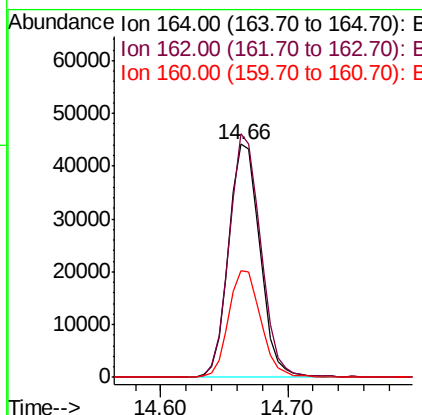
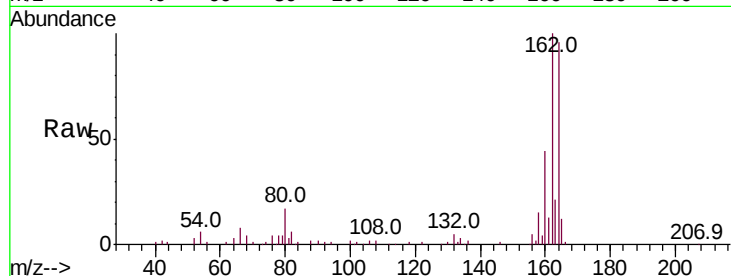




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

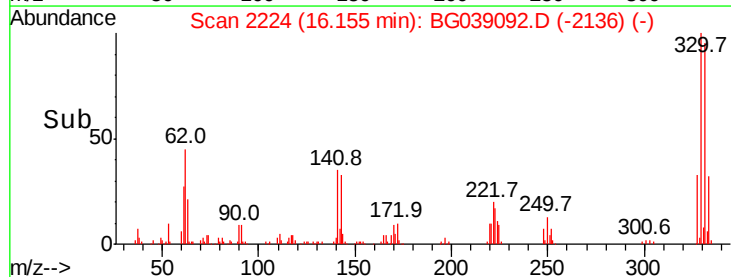
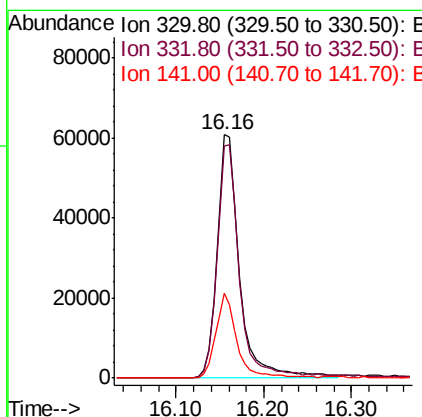
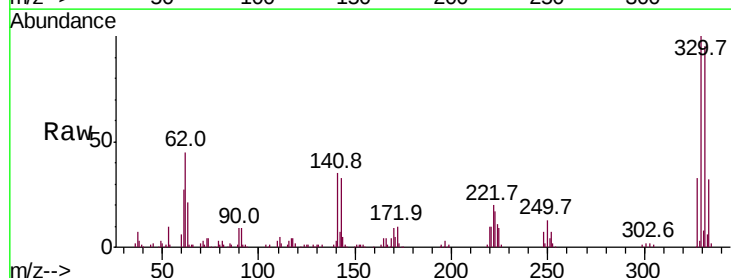
Instrument :  
BNA\_G  
ClientSampleId :

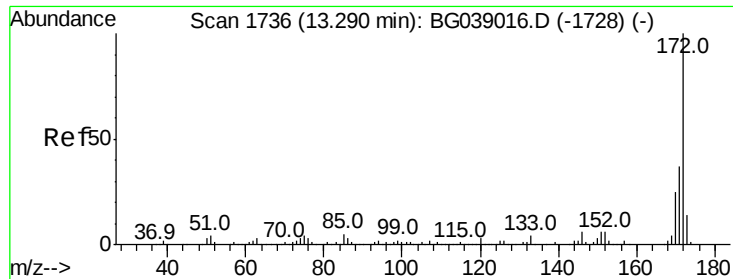
Tot Ion:164 Resp: 75568  
Ion Ratio Lower Upper  
164 100  
162 104.6 87.2 130.8  
160 45.8 33.3 49.9



#42  
2,4,6-Tribromophenol  
Concen: 85.610 ng  
RT: 16.16 min Scan# 2224  
Delta R.T. -0.01 min  
Lab File: BG039092.D  
Acq: 11 Jan 2019 19:27

Tgt Ion:330 Resp: 108445  
Ion Ratio Lower Upper  
330 100  
332 96.2 75.7 113.5  
141 32.6 24.9 37.3

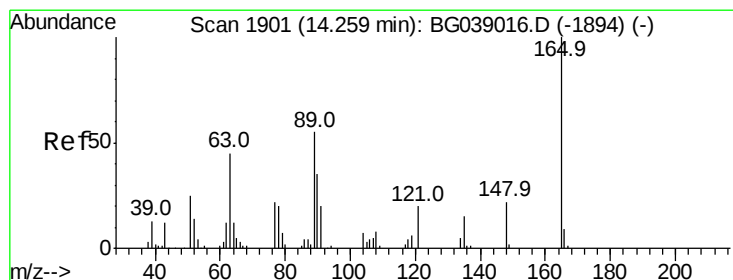
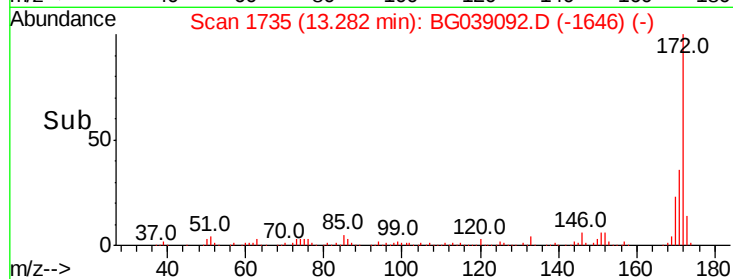
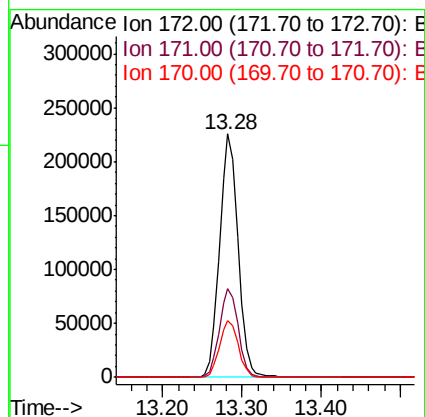
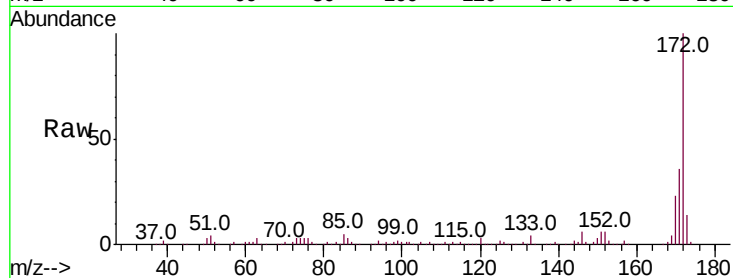




#45  
 2-Fluorobiphenyl  
 Concen: 65.901 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.01 min  
 Lab File: BG039092.D  
 Acq: 11 Jan 2019 19:27

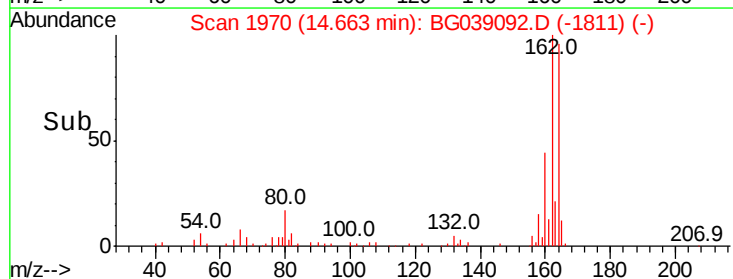
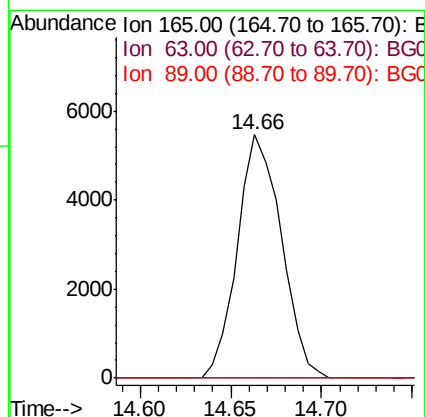
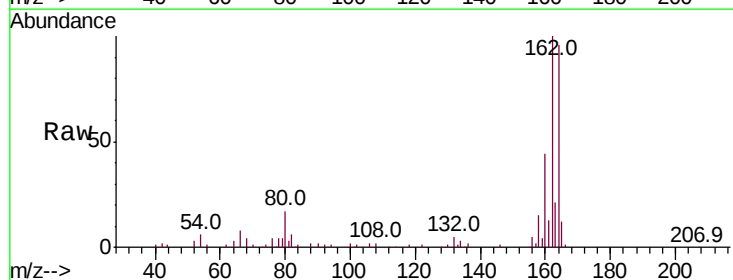
Instrument :  
 BNA\_G  
 ClientSampleId :

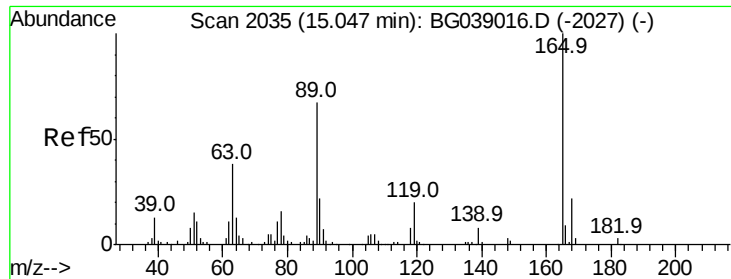
Tot Ion:172 Resp: 363885  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 23.3 20.1 30.1



#51  
 2,6-Dinitrotoluene  
 Concen: 6.453 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. 0.40 min  
 Lab File: BG039092.D  
 Acq: 11 Jan 2019 19:27

Tgt Ion:165 Resp: 9213  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 43.6 65.4#  
 89 0.0 43.7 65.5#

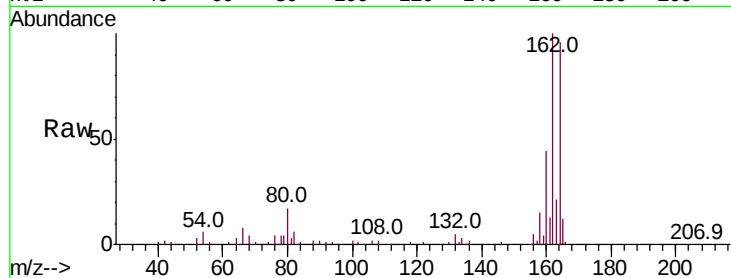




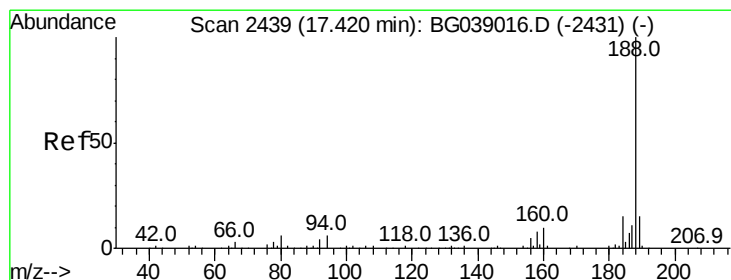
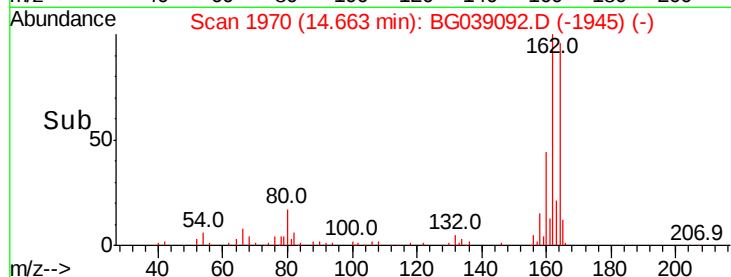
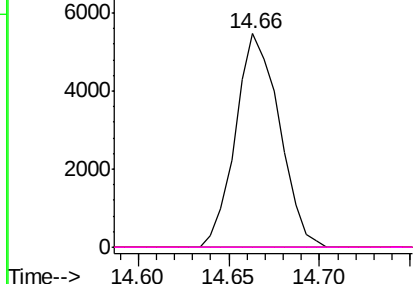
#57  
 2,4-Dinitrotoluene  
 Concen: 4.498 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. -0.38 min  
 Lab File: BG039092.D  
 Acq: 11 Jan 2019 19:27

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 9213  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 30.2 45.4#  
 89 0.0 53.2 79.8#  
 182 0.0 2.7 4.1#

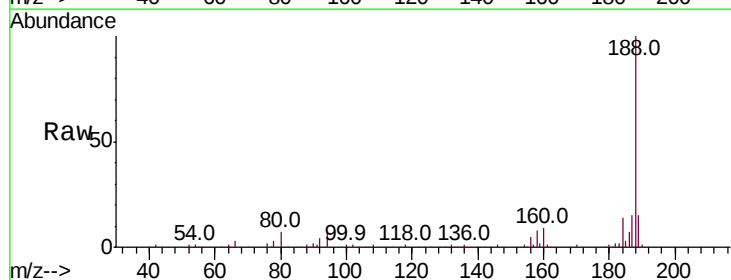


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG  
 Ion 182.00 (181.70 to 182.70): E

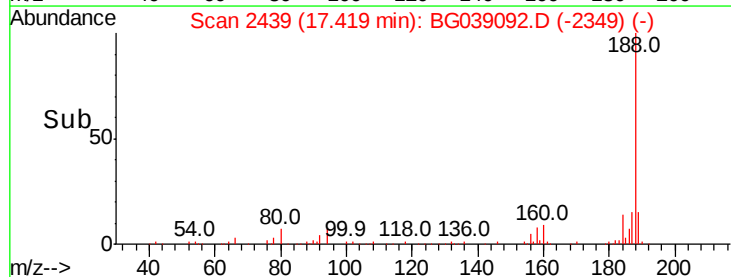
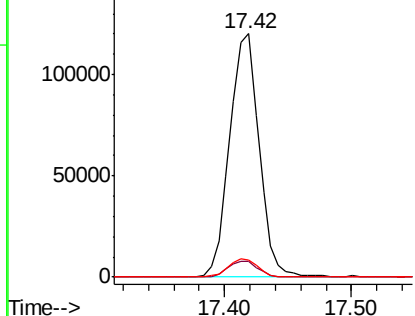


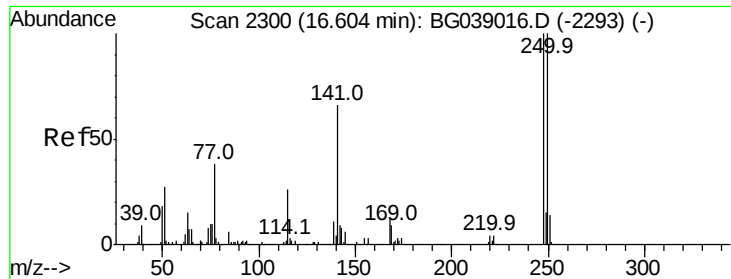
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2439  
 Delta R.T. -0.00 min  
 Lab File: BG039092.D  
 Acq: 11 Jan 2019 19:27

Tgt Ion:188 Resp: 193557  
 Ion Ratio Lower Upper  
 188 100  
 94 6.7 5.0 7.4  
 80 7.1 4.7 7.1



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





#67

4-Bromophenyl-phenylether

Concen: 2.846 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

Instrument :

BNA\_G

ClientSampled :

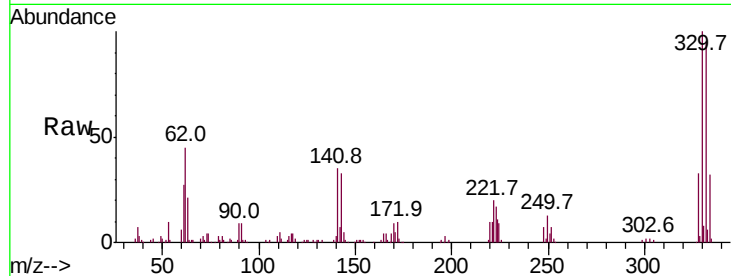
Tot Ion:248 Resp: 7082

Ion Ratio Lower Upper

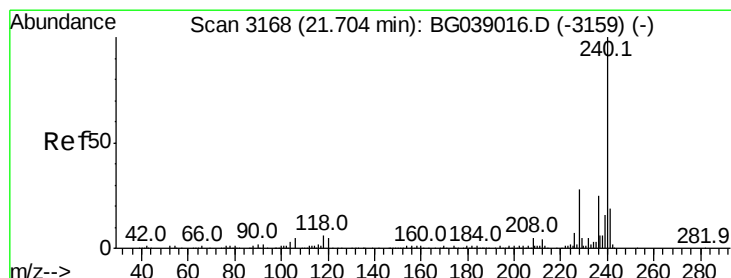
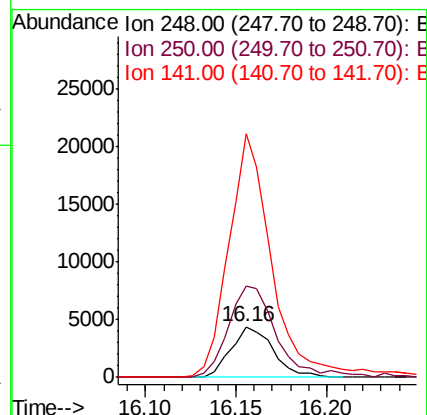
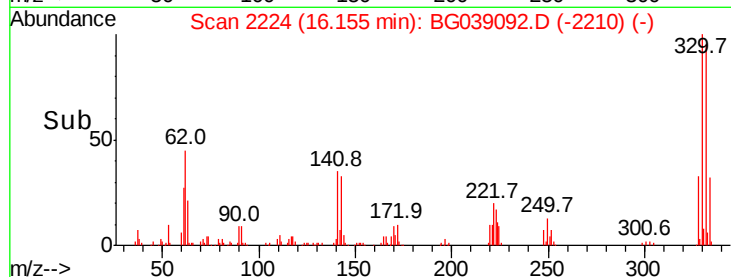
248 100

250 136.8 79.9 119.9#

141 363.6 52.7 79.1#



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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

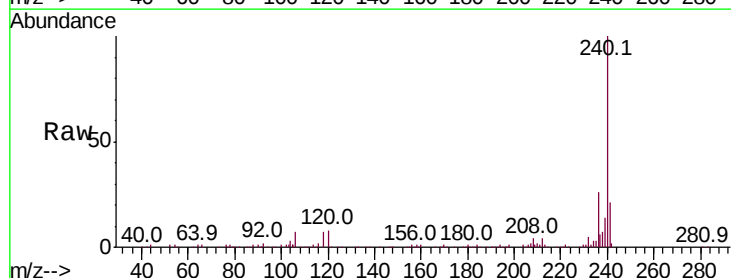
Tgt Ion:240 Resp: 207352

Ion Ratio Lower Upper

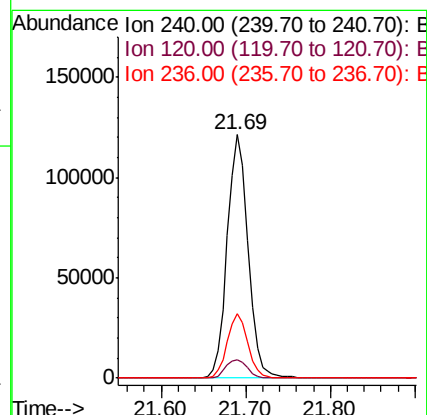
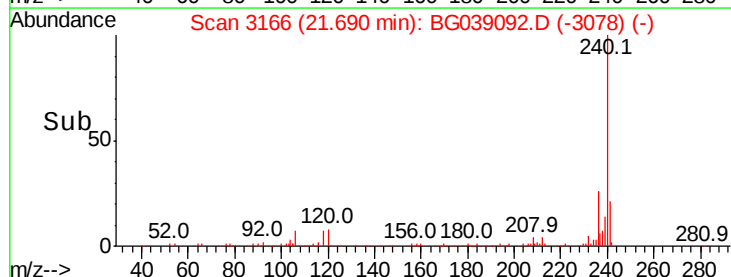
240 100

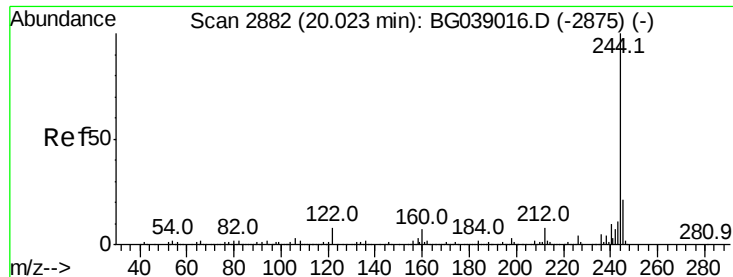
120 7.7 4.3 6.5#

236 26.3 20.1 30.1



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: 70.366 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

Instrument :

BNA\_G

ClientSampleId :

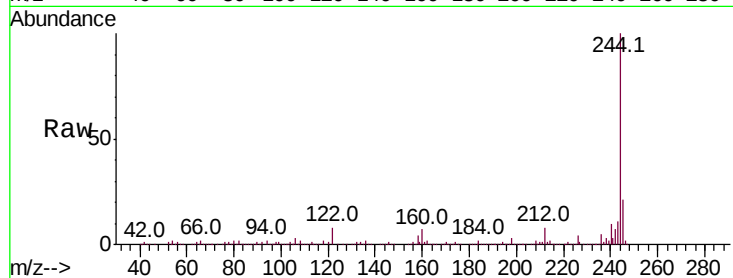
Tot Ion:244 Resp: 788721

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

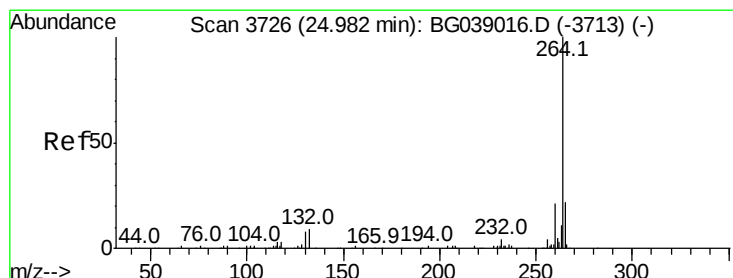
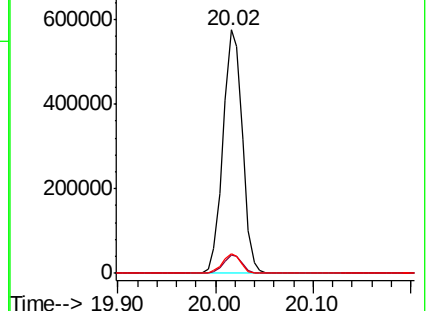
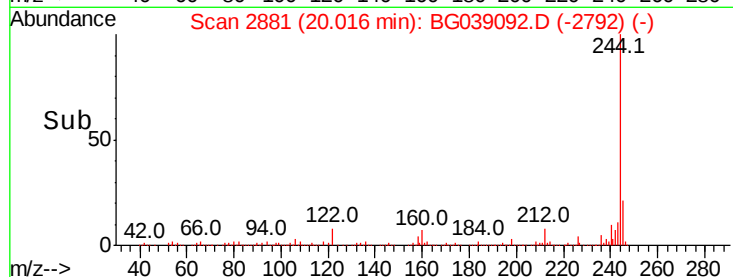
122 7.9 6.1 9.1



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: 24.97 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG039092.D

Acq: 11 Jan 2019 19:27

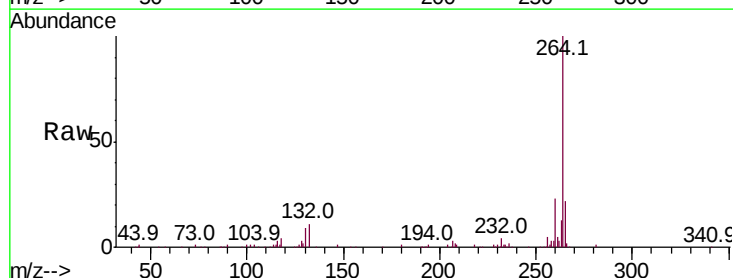
Tgt Ion:264 Resp: 215117

Ion Ratio Lower Upper

264 100

260 22.6 17.0 25.6

265 21.9 17.2 25.8



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

