

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\  
 Data File : BG045709.D  
 Acq On : 11 Jun 2020 5:23  
 Operator : CG/JU  
 Sample : L2948-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 11 06:01:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 15:07:00 2020  
 Response via : Initial Calibration

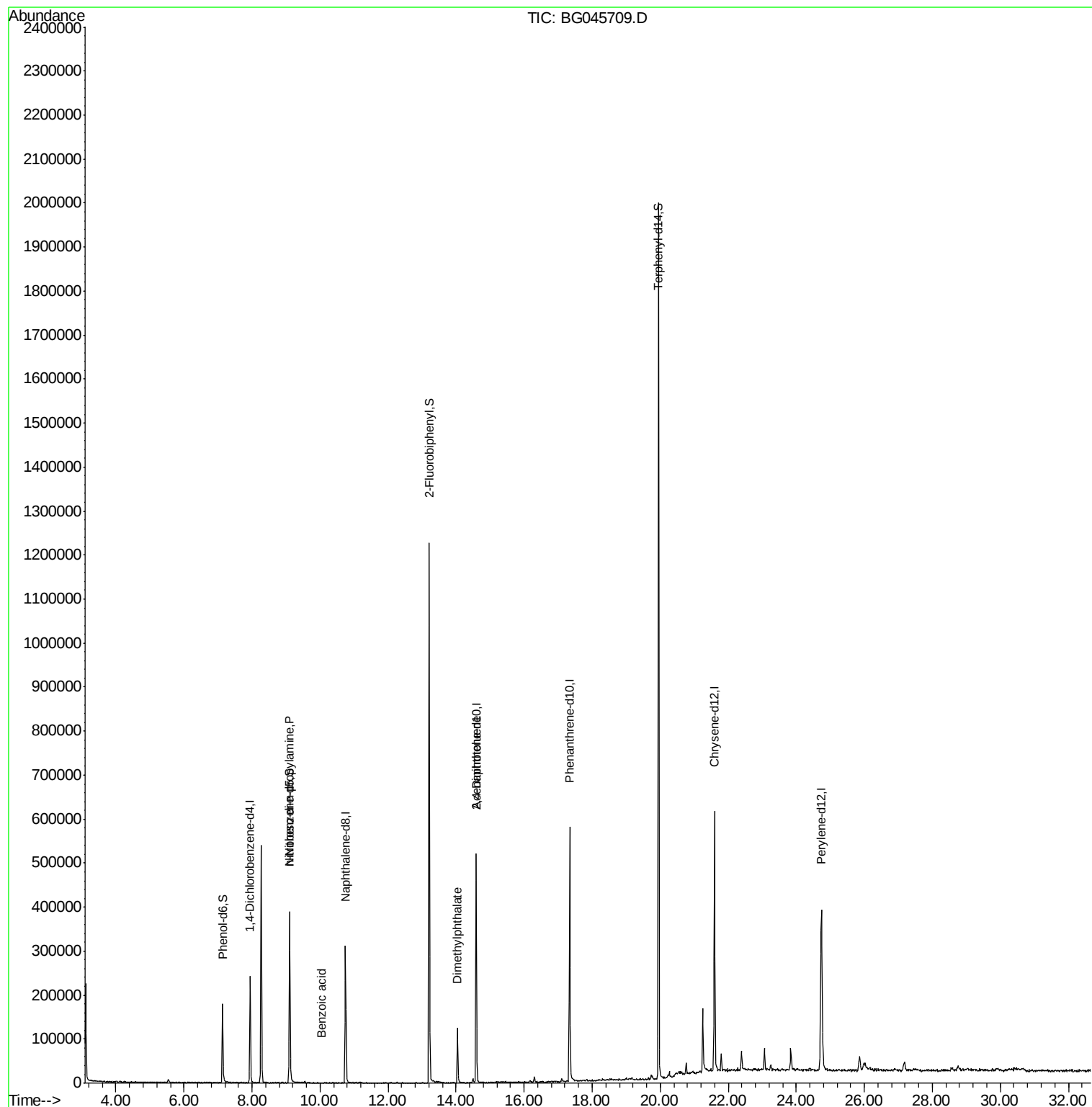
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.95  | 152  | 70933    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.75 | 136  | 288619   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.59 | 164  | 194543   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.34 | 188  | 411263   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.59 | 240  | 396250   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.74 | 264  | 425558   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.54  | 112  | 4629     | 1.28   | ng    | 0.00     |
| 7) Phenol-d6                   | 7.13  | 99   | 126975   | 24.58  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.10  | 82   | 286995   | 54.22  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00   | ng    |          |
| 45) 2-Fluorobiphenyl           | 13.21 | 172  | 677851   | 59.10  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.95 | 244  | 1029234  | 60.58  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.11  | 70   | 38351    | 10.736 | ng    | # 81     |
| 32) Benzoic acid               | 10.04 | 122  | 68       | 10.044 | ng    | # 1      |
| 50) Dimethylphthalate          | 14.04 | 163  | 96101    | 7.201  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 23541    | 5.398  | ng    | # 23     |

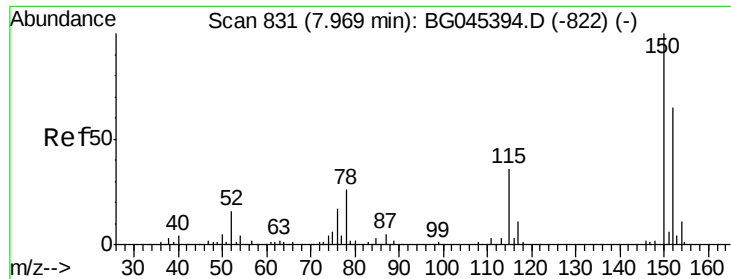
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\  
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Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jun 11 06:01:23 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 01 15:07:00 2020  
Response via : Initial Calibration



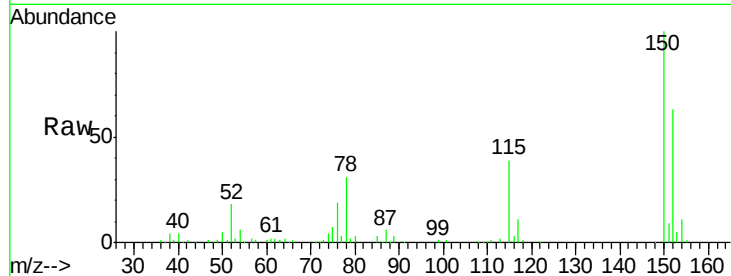


#1

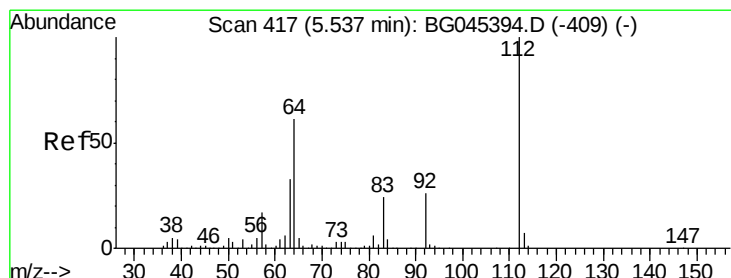
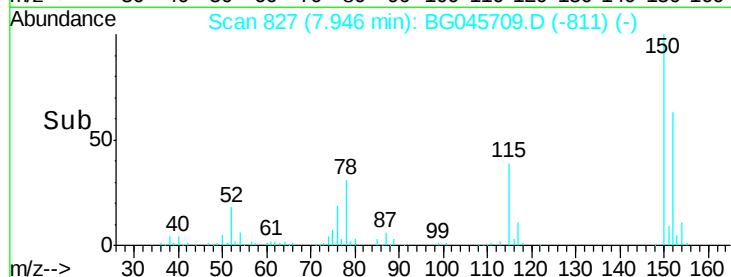
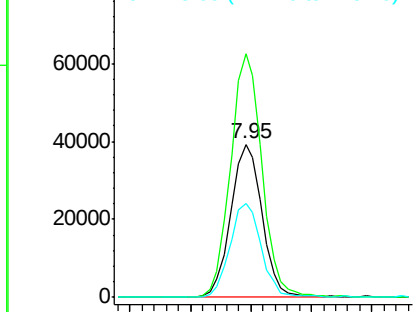
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 70933  
Ion Ratio Lower Upper  
152 100  
150 159.0 122.4 183.6  
115 61.6 44.2 66.4



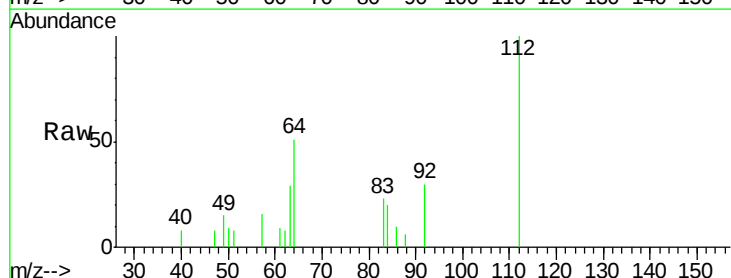
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



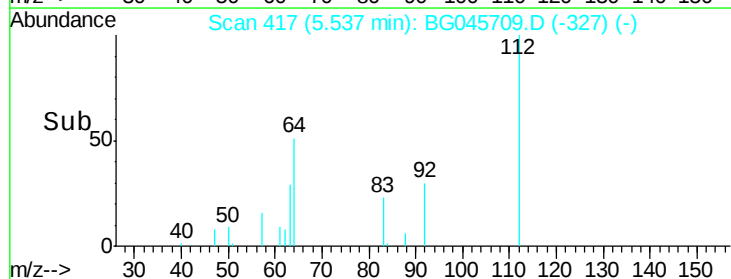
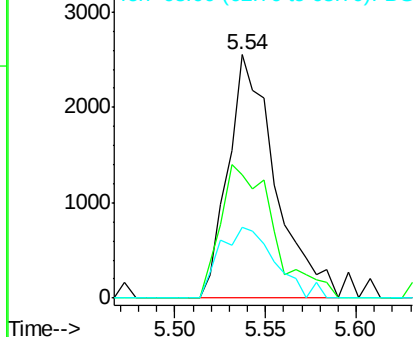
#5

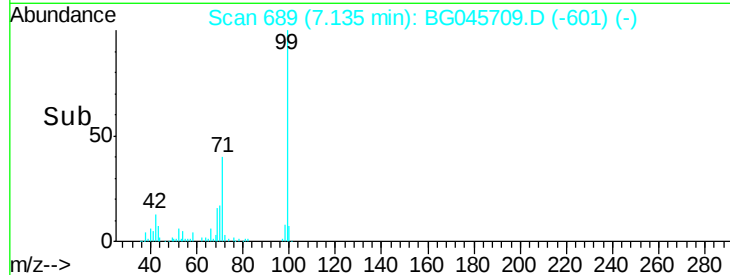
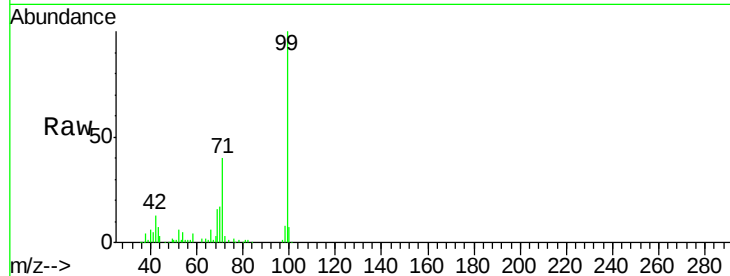
2-Fluorophenol  
Concen: 1.275 ng  
RT: 5.54 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

Tgt Ion:112 Resp: 4629  
Ion Ratio Lower Upper  
112 100  
64 50.5 48.6 72.8  
63 28.9 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0

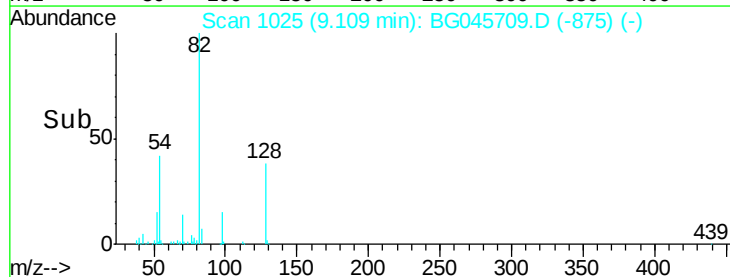
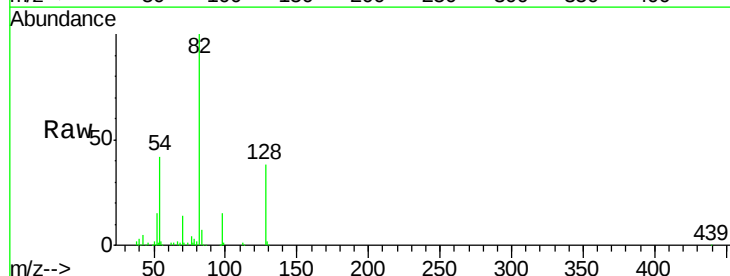
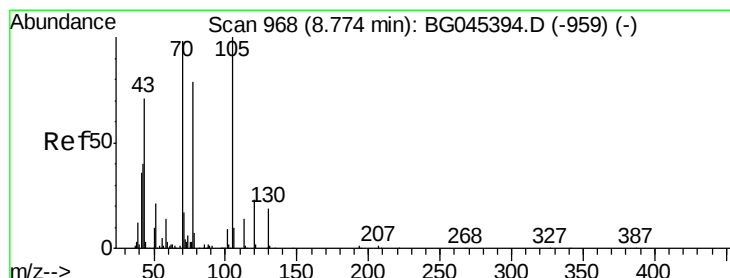
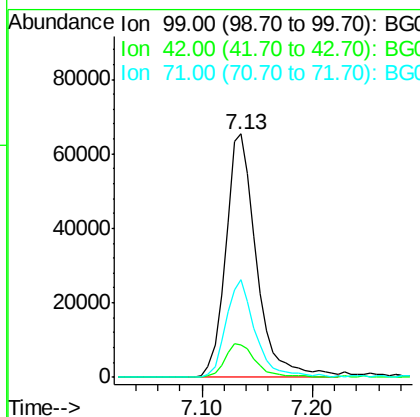




#7  
Phenol-d6  
Concen: 24.579 ng  
RT: 7.13 min Scan# 689  
Delta R.T. -0.01 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

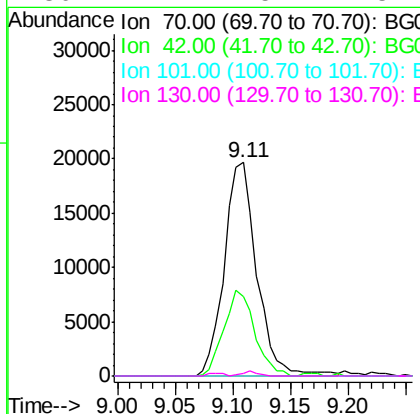
Instrument :  
BNA\_G  
ClientSampleId :

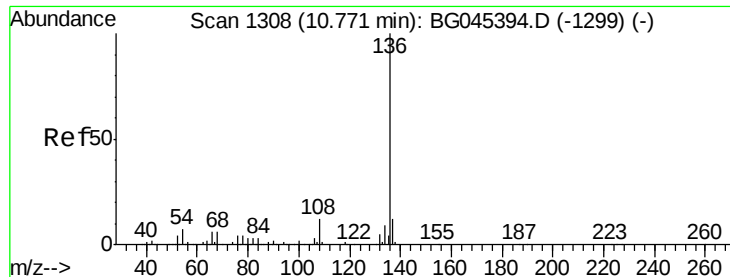
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 13.1  | 11.3  | 16.9  |
| 71      | 40.4  | 30.8  | 46.2  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.736 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. 0.35 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 37.1  | 33.2  | 49.8  |
| 101     | 0.0   | 7.8   | 11.6# |
| 130     | 1.4   | 15.4  | 23.2# |

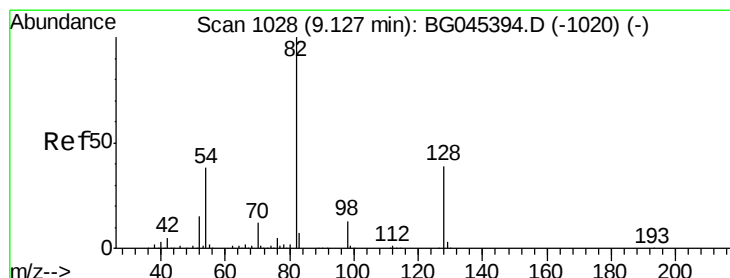
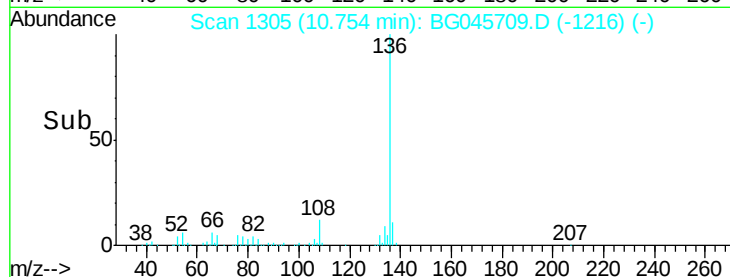
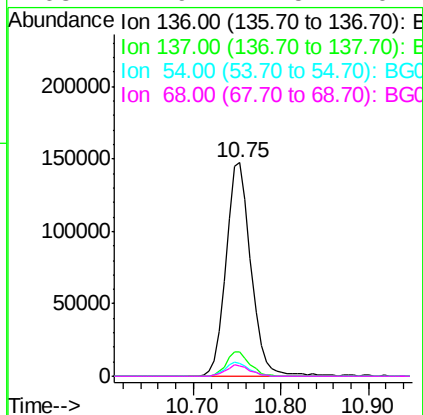
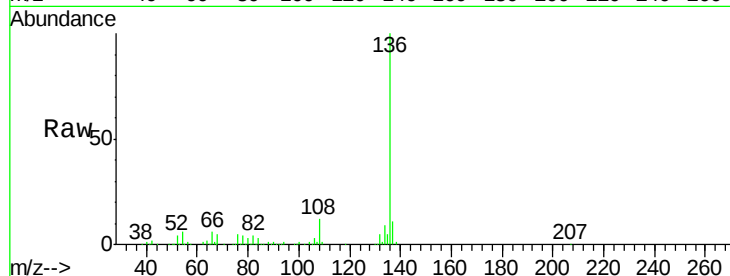




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

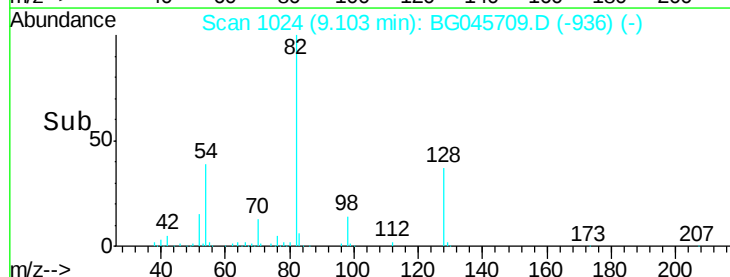
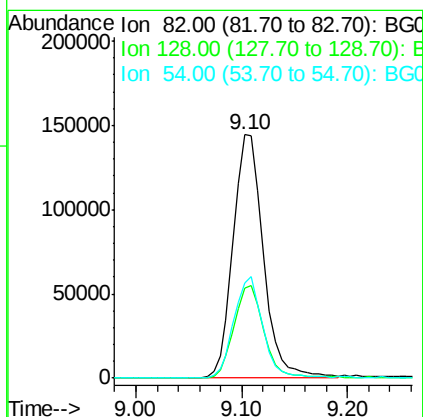
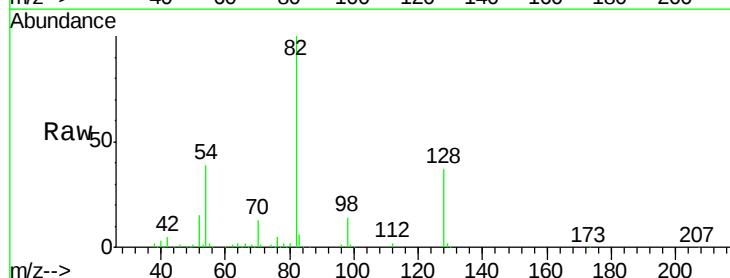
Instrument :  
BNA\_G  
ClientSampleId :

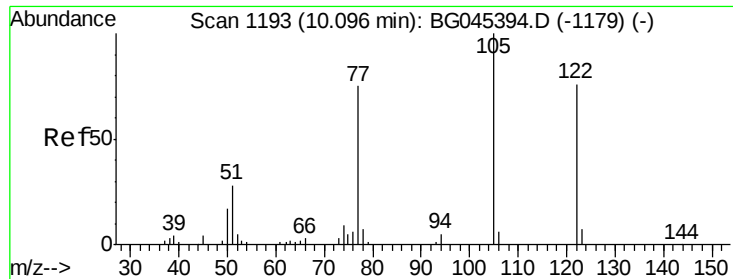
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 288619 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.2    | 9.4   | 14.2   |
| 54 6.2      | 5.8   | 8.6    |
| 68 4.9      | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 54.225 ng  
RT: 9.10 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BG045709.D  
Acq: 11 Jun 2020 5:23

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 286995 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 37.2    | 30.9  | 46.3   |
| 54  | 39.1    | 30.3  | 45.5   |





#32

Benzoic acid

Concen: 10.044 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.08 min

Lab File: BG045709.D

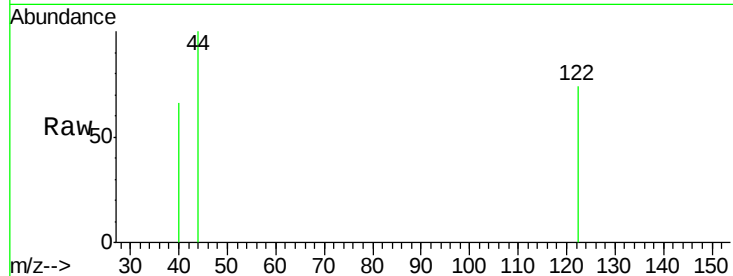
Acq: 11 Jun 2020 5:23

Instrument :

BNA\_G

ClientSampleId :

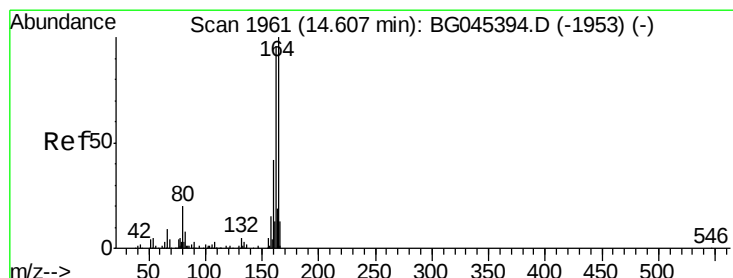
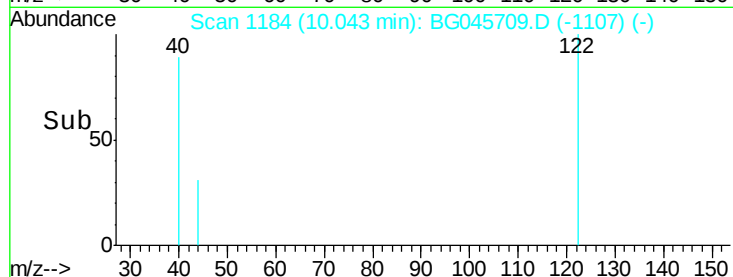
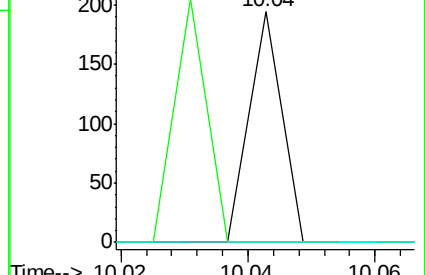
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 107.9 | 147.9# |
| 77      | 0.0   | 78.9  | 118.9# |



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

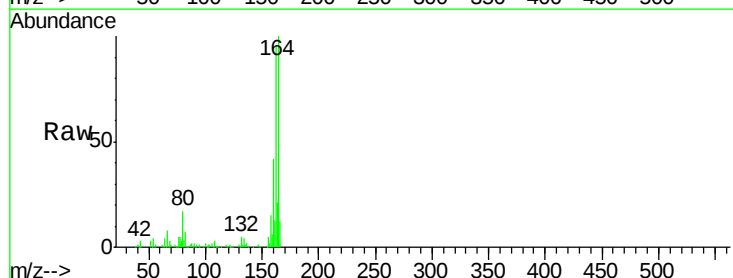
RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

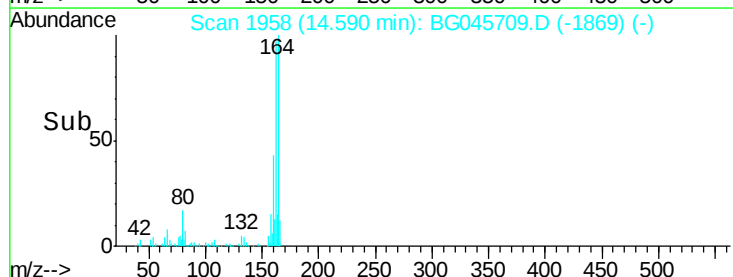
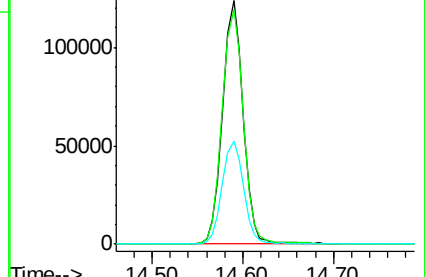
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.3  | 76.9  | 115.3 |
| 160     | 42.3  | 33.8  | 50.8  |

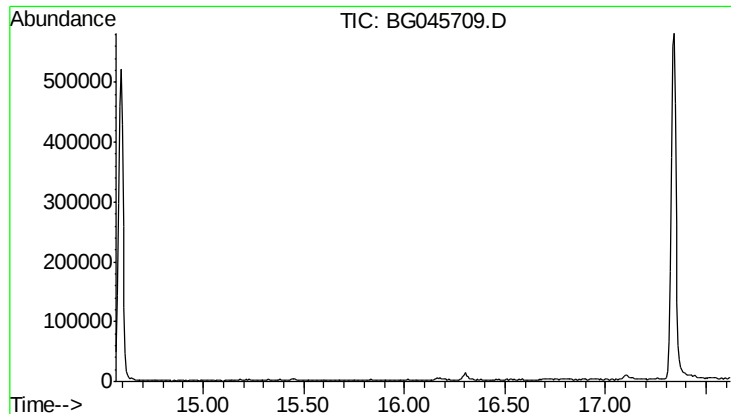


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

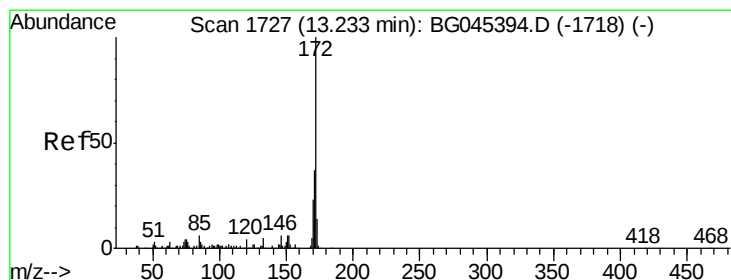
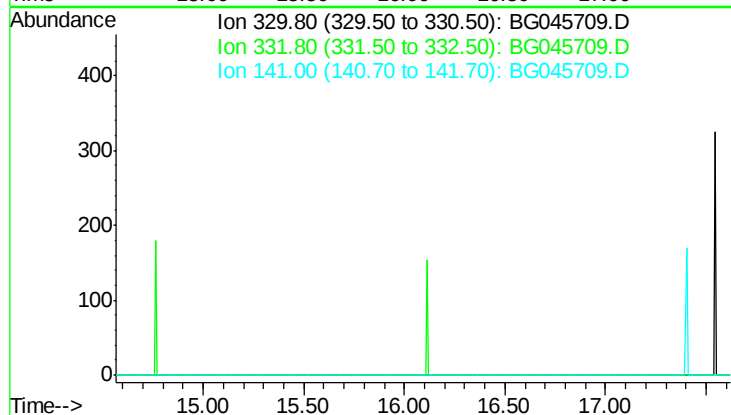




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 16.09 min  
 Lab File: BG045709.D  
 Acq: 11 Jun 2020 5:23

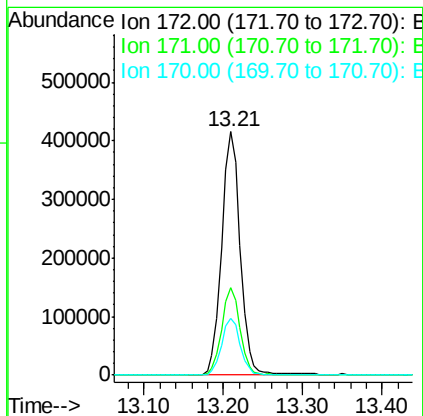
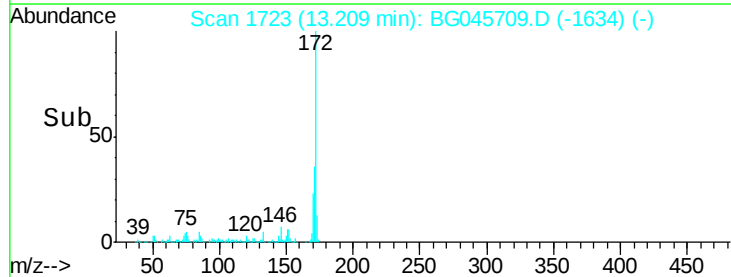
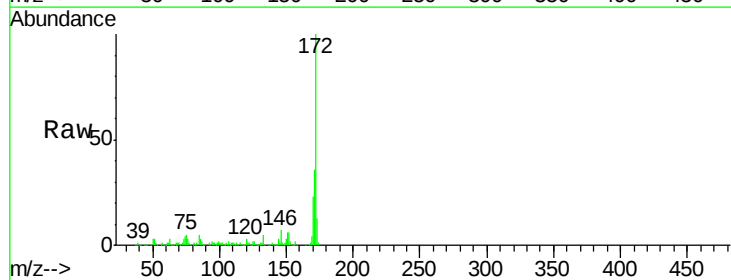
Instrument :  
 BNA\_G  
 ClientSampleId :

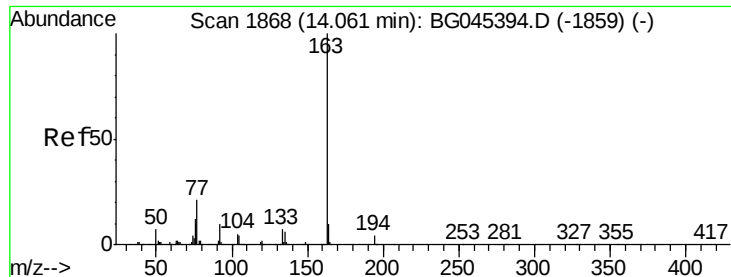
| Tot Ion   | 330 | 332  | 141  |
|-----------|-----|------|------|
| Exp Ratio | 100 | 97.8 | 35.3 |



#45  
 2-Fluorobiphenyl  
 Concen: 59.101 ng  
 RT: 13.21 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BG045709.D  
 Acq: 11 Jun 2020 5:23

| Tgt Ion | 172    | 171  | 170  |
|---------|--------|------|------|
| Resp    | 677851 | 36.1 | 23.2 |
| Ratio   | 100    | 29.5 | 18.5 |
| Lower   |        | 44.3 | 27.7 |
| Upper   |        |      |      |





#50

Dimethylphthalate

Concen: 7.201 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

Instrument :

BNA\_G

ClientSampleId :

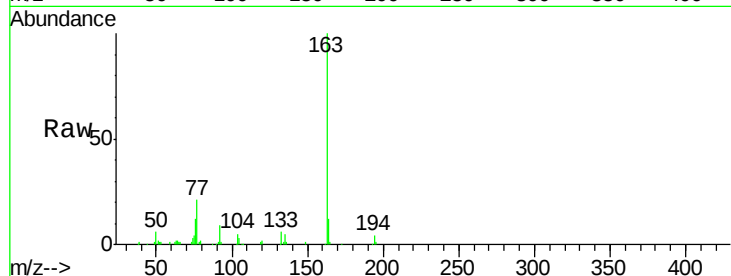
Tot Ion:163 Resp: 96101

Ion Ratio Lower Upper

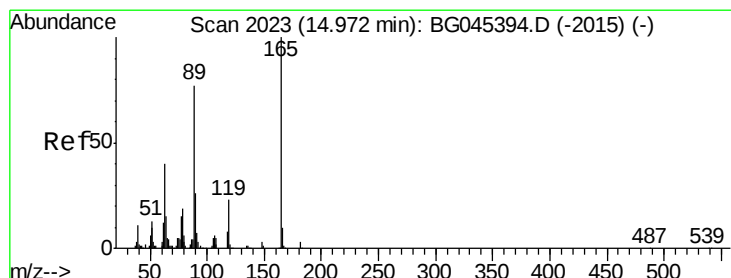
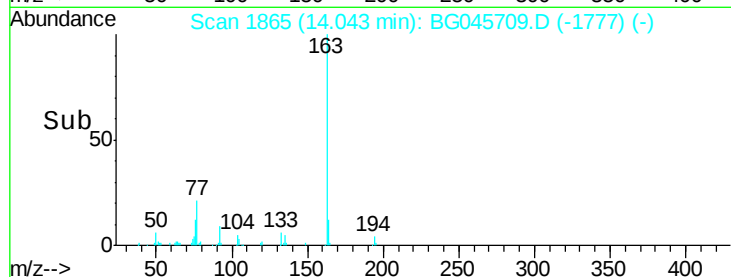
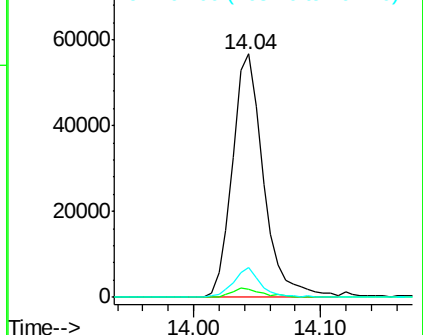
163 100

194 3.6 3.2 4.8

164 12.0 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 5.398 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

Tgt Ion:165 Resp: 23541

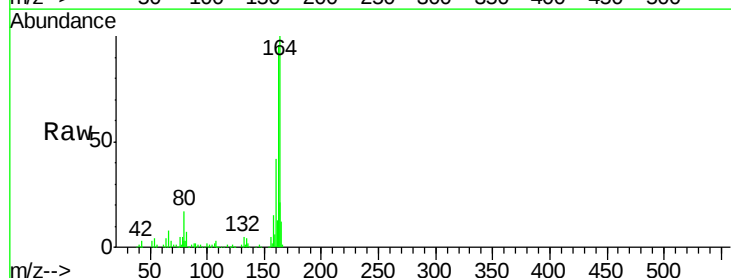
Ion Ratio Lower Upper

165 100

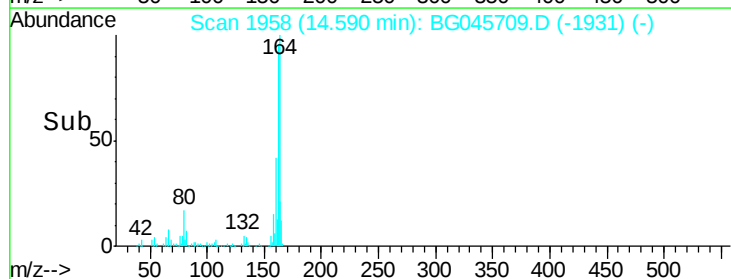
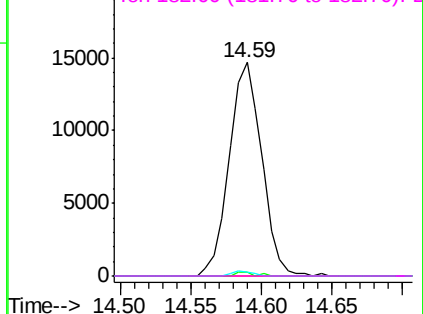
63 1.8 32.5 48.7#

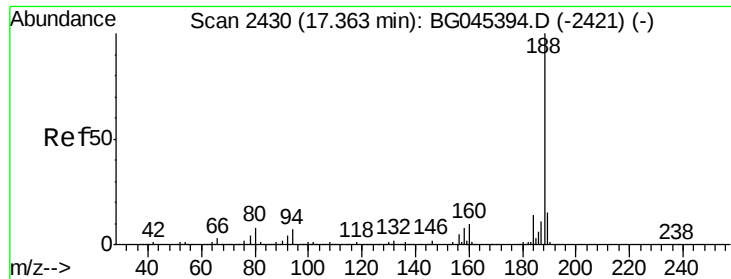
89 1.7 61.8 92.6#

182 0.0 2.3 3.5#



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: 17.34 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

Instrument :

BNA\_G

ClientSampleId :

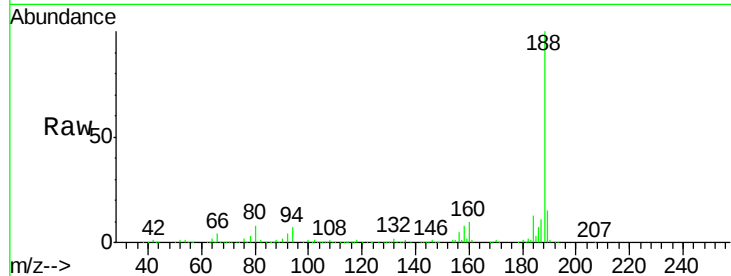
Tot Ion:188 Resp: 411263

Ion Ratio Lower Upper

188 100

94 7.1 5.5 8.3

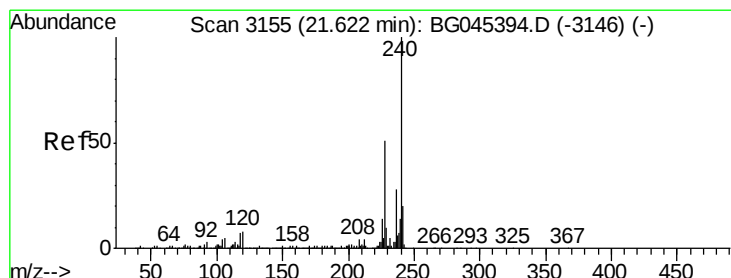
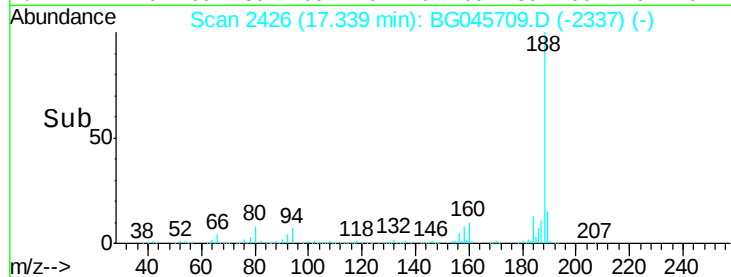
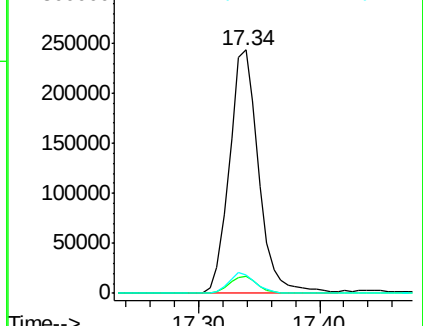
80 7.6 6.6 10.0



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: 21.59 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

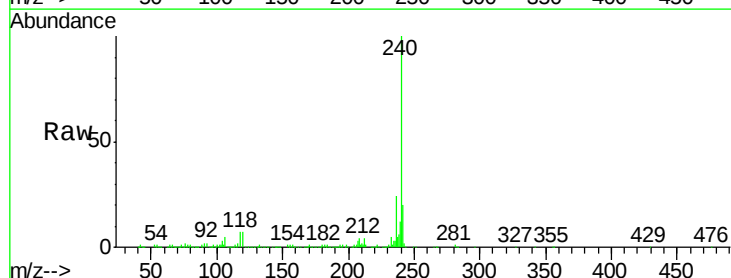
Tgt Ion:240 Resp: 396250

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

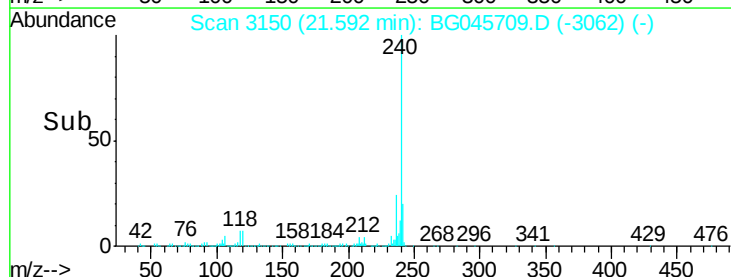
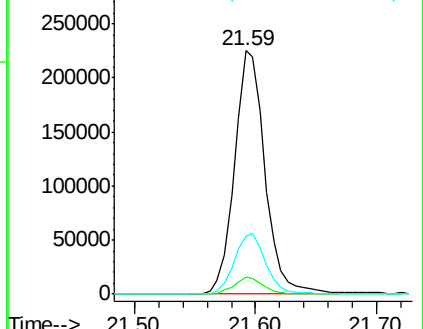
236 24.0 22.3 33.5

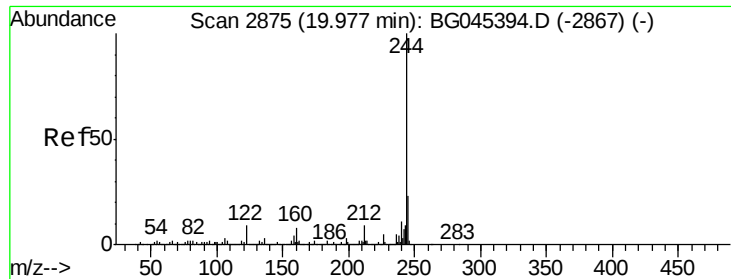


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 60.580 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

Instrument :

BNA\_G

ClientSampleId :

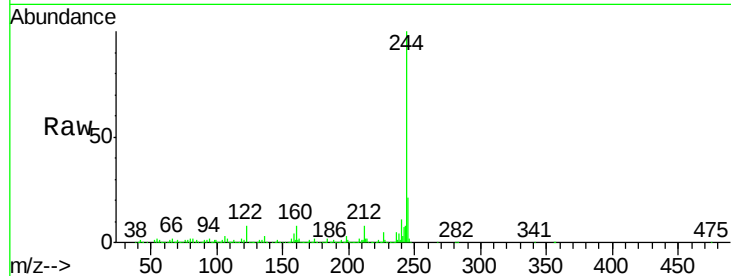
Tot Ion:244 Resp: 1029234

Ion Ratio Lower Upper

244 100

212 8.2 7.4 11.0

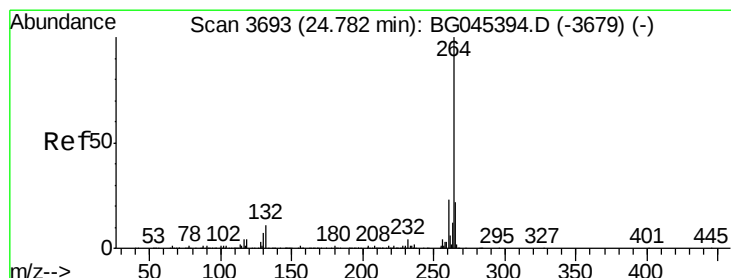
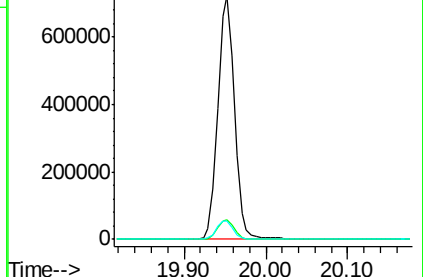
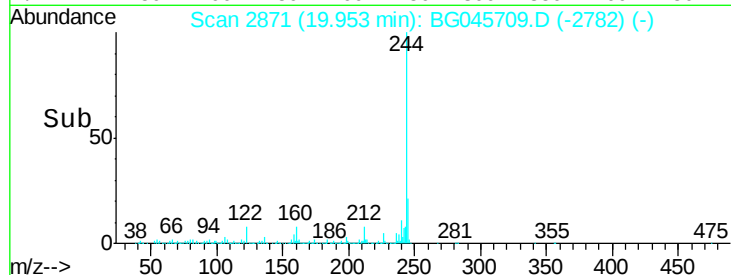
122 7.8 6.8 10.2



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: 24.74 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG045709.D

Acq: 11 Jun 2020 5:23

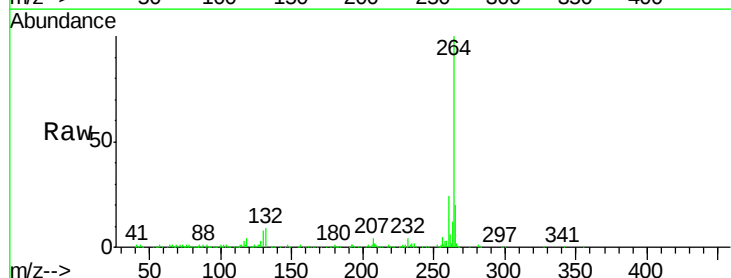
Tgt Ion:264 Resp: 425558

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 20.4 17.6 26.4



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

