

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG051120\  
 Data File : BG045304.D  
 Acq On : 11 May 2020 20:04  
 Operator : CG/JU  
 Sample : L2554-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DRUM-1-1

Quant Time: May 12 01:00:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 13:27:41 2020  
 Response via : Initial Calibration

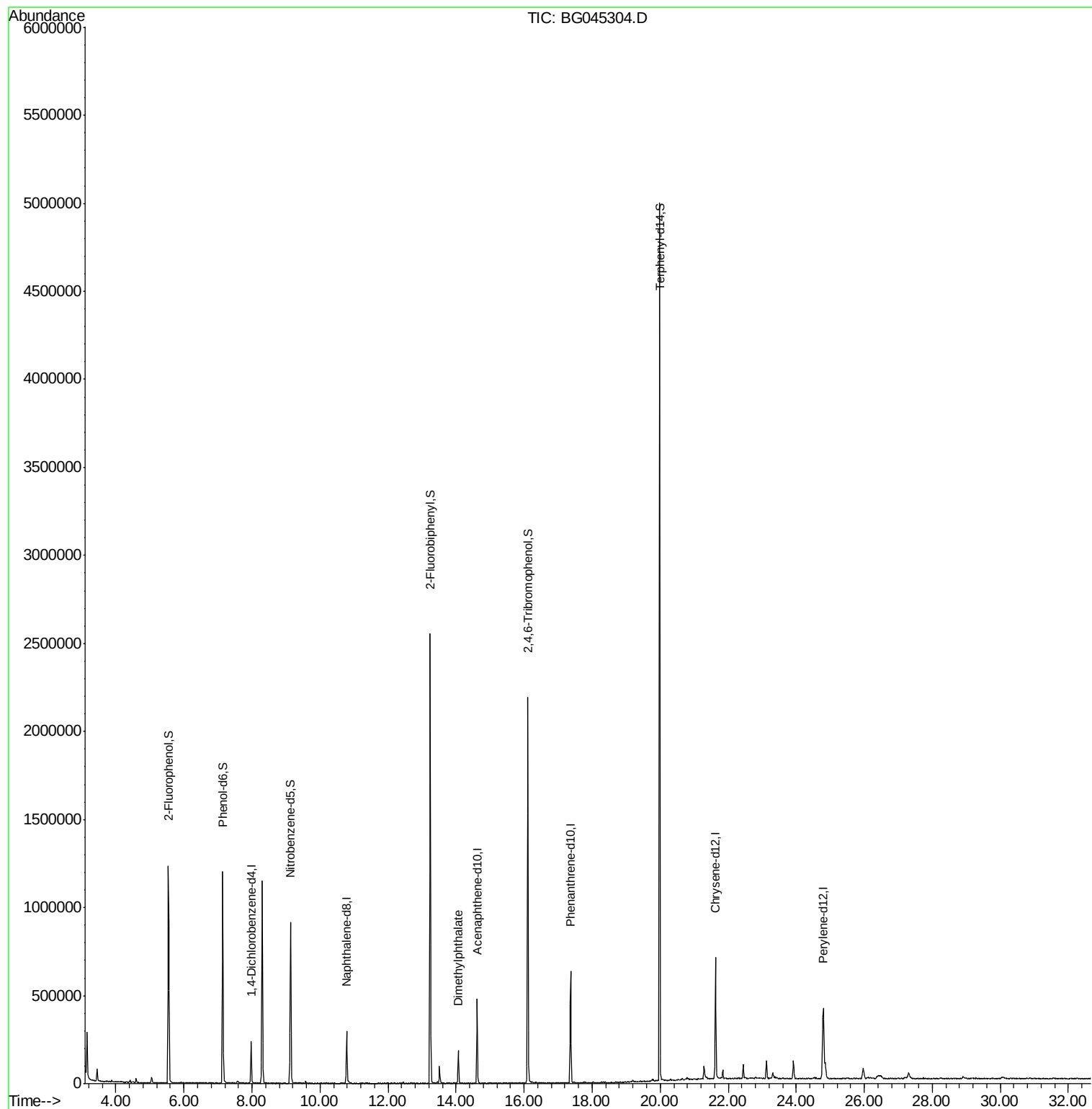
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 70673    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.78 | 136  | 263810   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 14.62 | 164  | 181442   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 17.37 | 188  | 422743   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 21.63 | 240  | 438929   | 20.00  | ng    | -0.01          |
| 87) Perylene-d12            | 24.79 | 264  | 472144   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.54  | 112  | 614703   | 143.60 | ng    | 0.00           |
| 7) Phenol-d6                | 7.14  | 99   | 795975   | 125.15 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 625834   | 108.24 | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 16.11 | 330  | 455847   | 162.63 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 13.24 | 172  | 1395458  | 112.77 | ng    | 0.00           |
| 79) Terphenyl-d14           | 19.98 | 244  | 2332682  | 115.83 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 50) Dimethylphthalate       | 14.07 | 163  | 128592   | 8.70   | ng    | Qvalue<br># 99 |

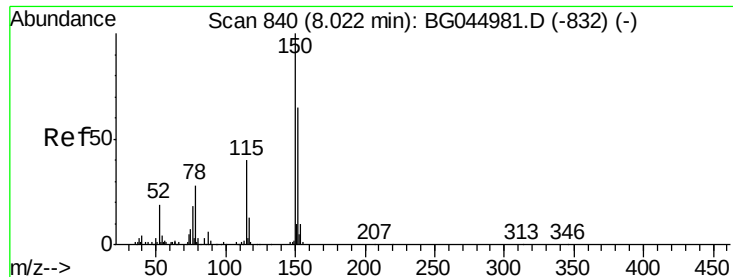
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 11 13:27:41 2020  
Response via : Initial Calibration



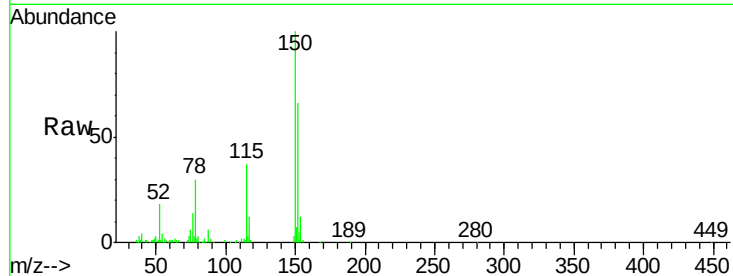


#1

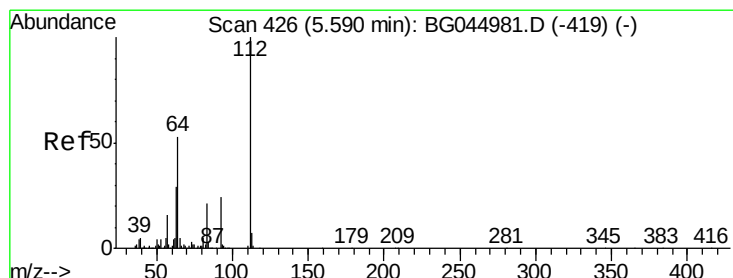
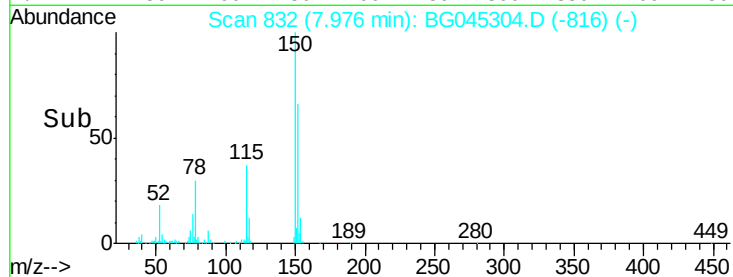
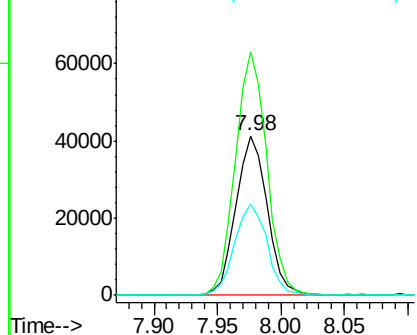
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.98 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: BG045304.D  
Acq: 11 May 2020 20:04

Instrument :  
BNA\_G  
ClientSampleId :  
DRUM-1-1

Tgt Ion:152 Resp: 70673  
Ion Ratio Lower Upper  
152 100  
150 152.4 123.6 185.4  
115 57.2 49.1 73.7



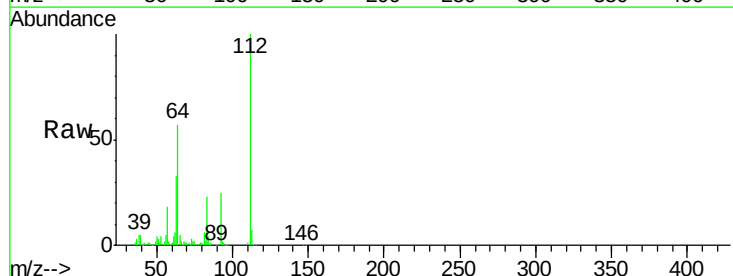
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



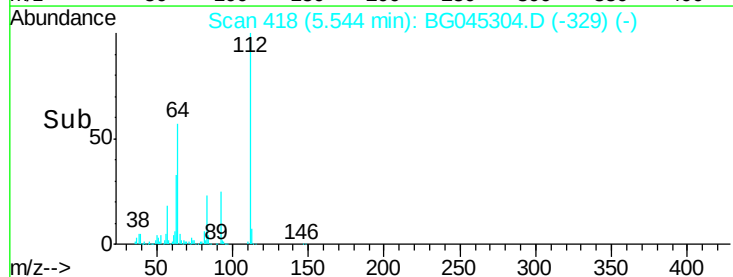
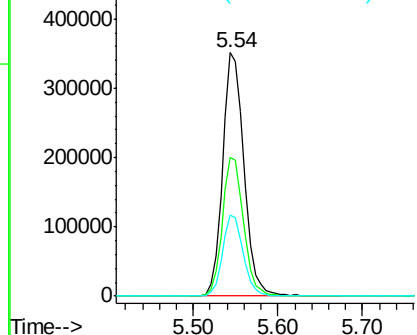
#5

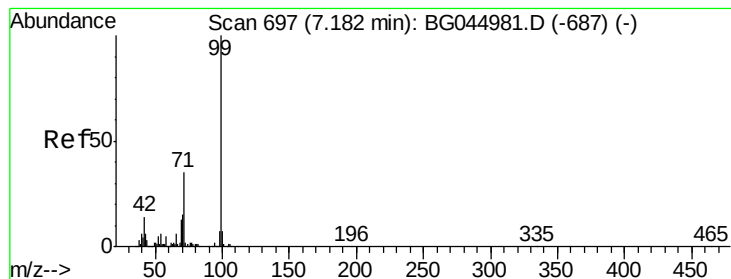
2-Fluorophenol  
Concen: 143.60 ng  
RT: 5.54 min Scan# 418  
Delta R.T. -0.01 min  
Lab File: BG045304.D  
Acq: 11 May 2020 20:04

Tgt Ion:112 Resp: 614703  
Ion Ratio Lower Upper  
112 100  
64 56.9 42.4 63.6  
63 33.1 23.1 34.7



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: 125.15 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045304.D

Acq: 11 May 2020 20:04

Instrument :

BNA\_G

ClientSampleId :

DRUM-1-1

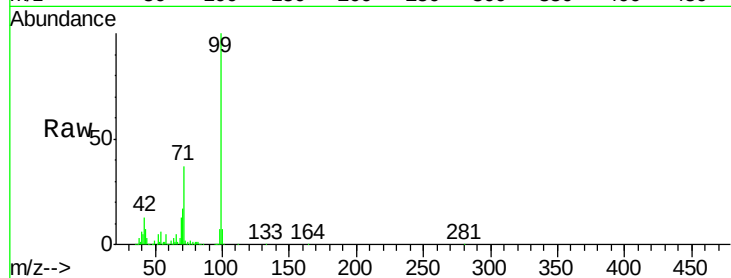
Tgt Ion: 99 Resp: 795975

Ion Ratio Lower Upper

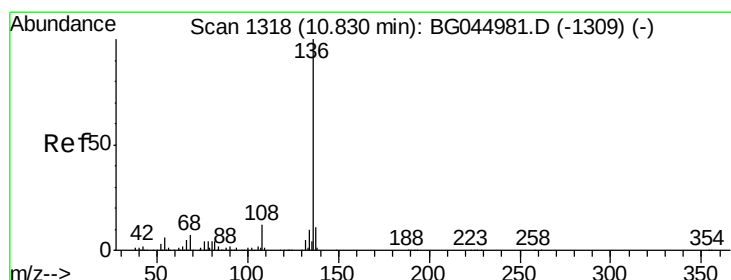
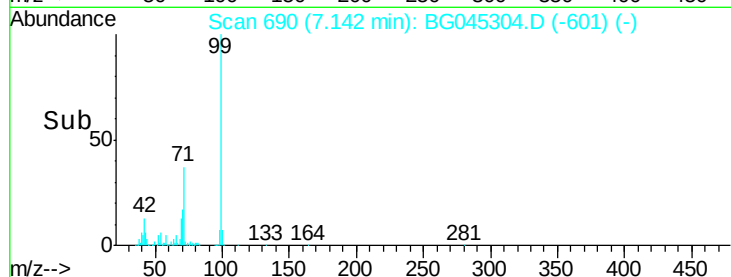
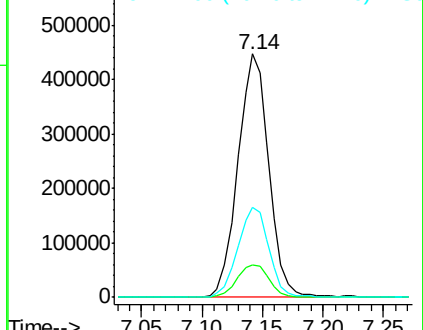
99 100

42 13.4 11.3 16.9

71 37.2 28.3 42.5



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: 20.00 ng

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG045304.D

Acq: 11 May 2020 20:04

Tgt Ion: 136 Resp: 263810

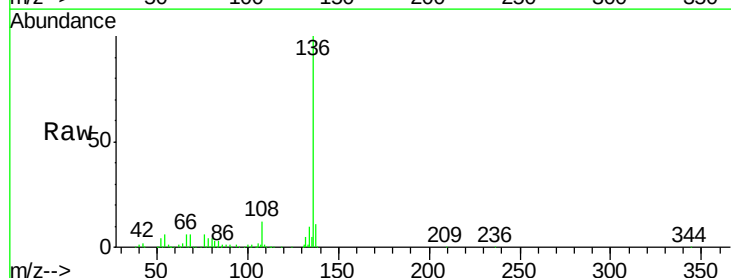
Ion Ratio Lower Upper

136 100

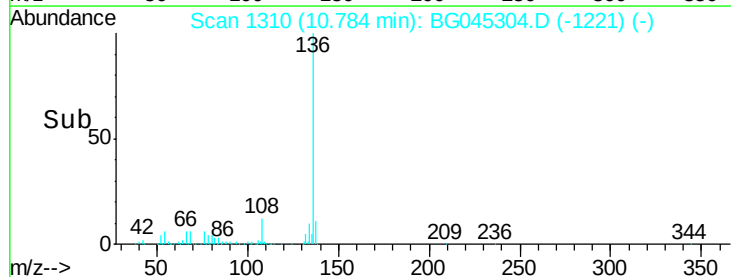
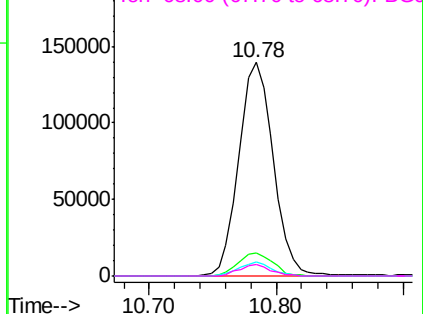
137 10.7 8.6 13.0

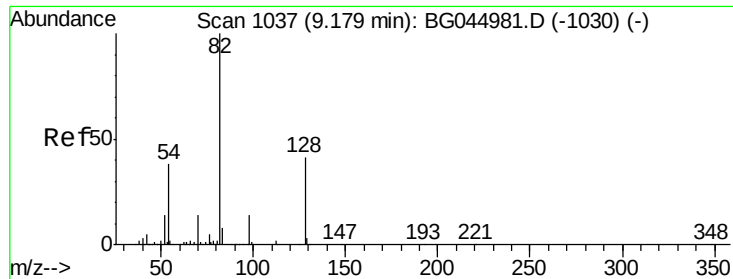
54 6.3 4.8 7.2

68 5.6 5.2 7.8



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

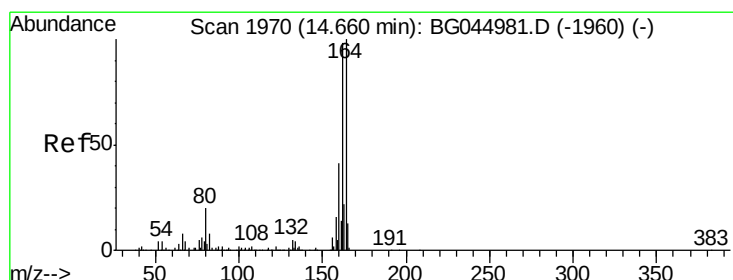
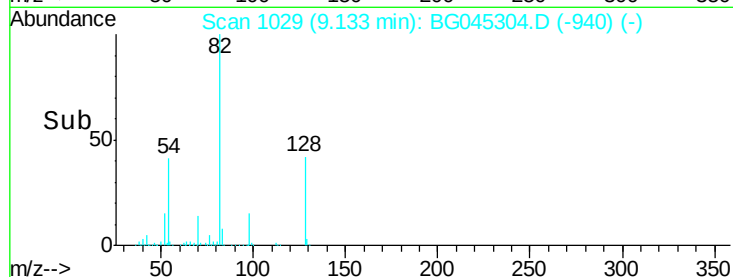
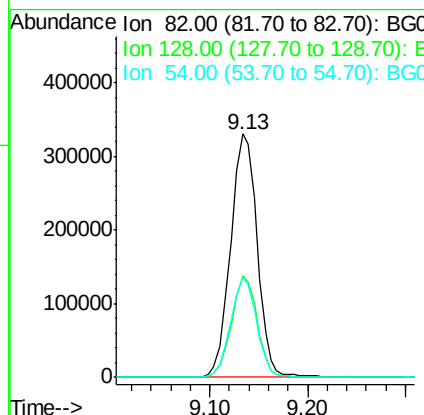
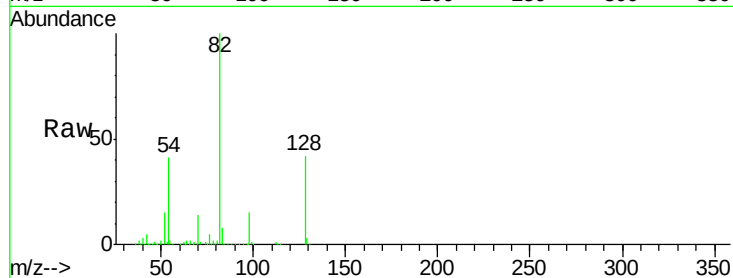




#23  
 Nitrobenzene-d5  
 Concen: 108.24 ng  
 RT: 9.13 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG045304.D  
 Acq: 11 May 2020 20:04

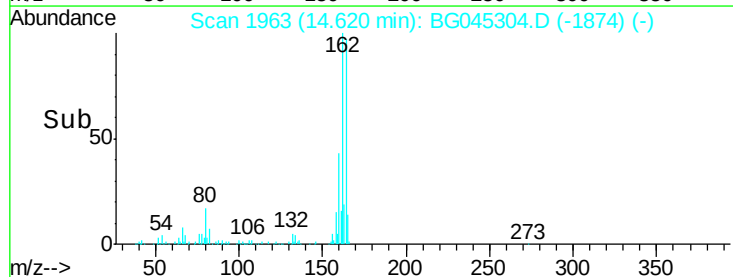
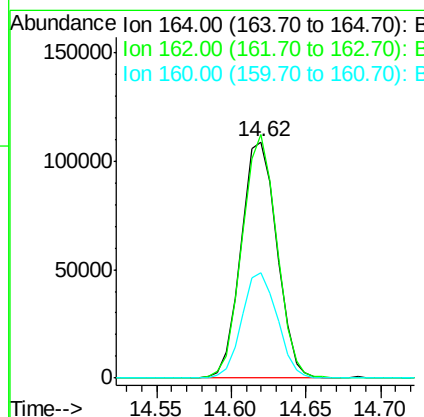
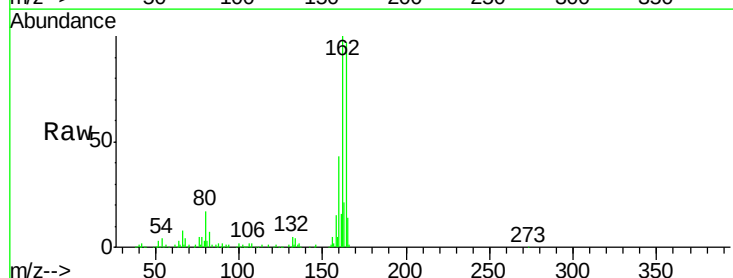
Instrument :  
 BNA\_G  
 ClientSampleId :  
 DRUM-1-1

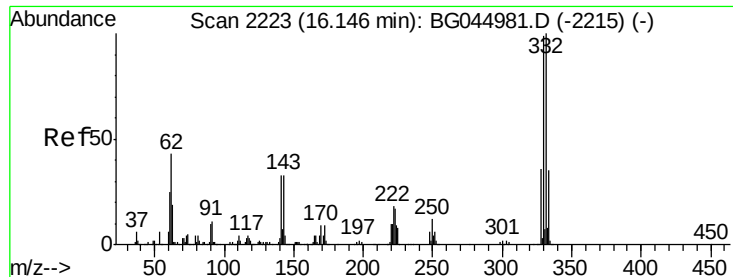
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 33.0  | 49.4  |
| 54      | 41.4  | 30.4  | 45.6  |



#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.62 min Scan# 1963  
 Delta R.T. -0.01 min  
 Lab File: BG045304.D  
 Acq: 11 May 2020 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 78.7  | 118.1 |
| 160     | 44.5  | 32.8  | 49.2  |

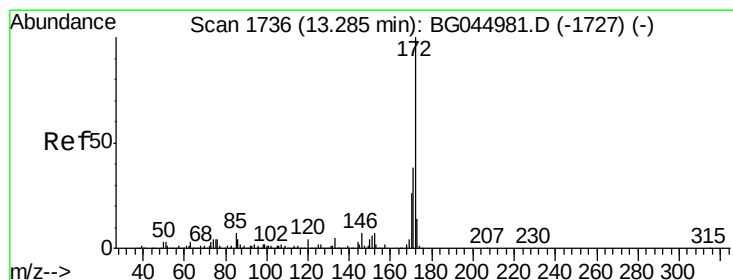
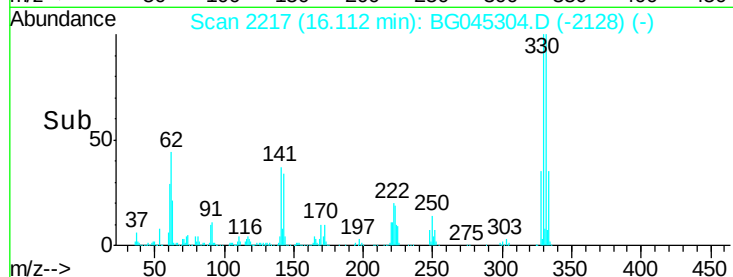
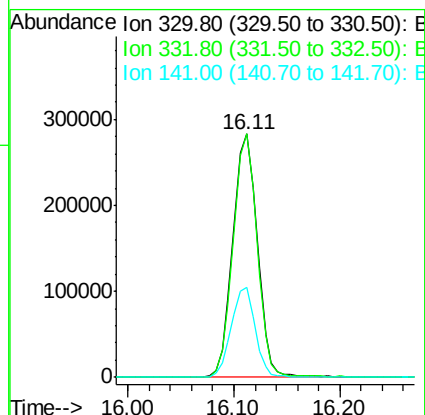
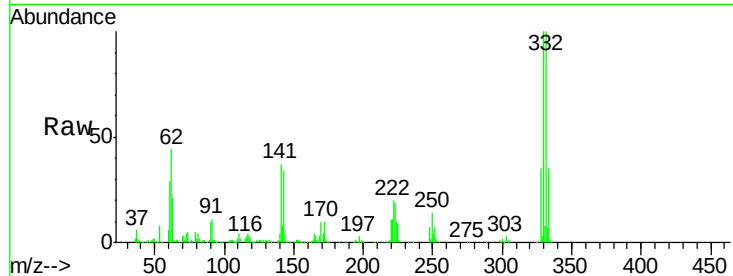




#42  
 2,4,6-Tribromophenol  
 Concen: 162.63 ng  
 RT: 16.11 min Scan# 2217  
 Delta R.T. -0.01 min  
 Lab File: BG045304.D  
 Acq: 11 May 2020 20:04

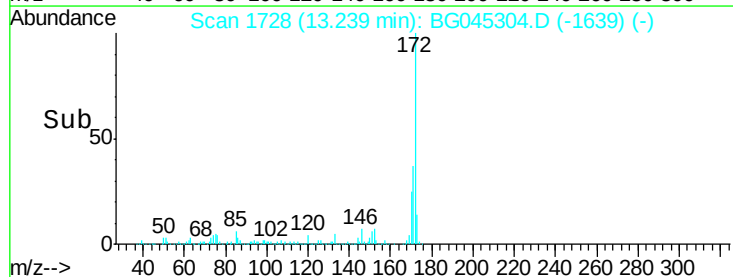
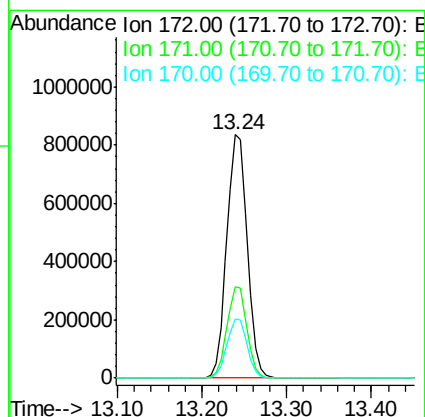
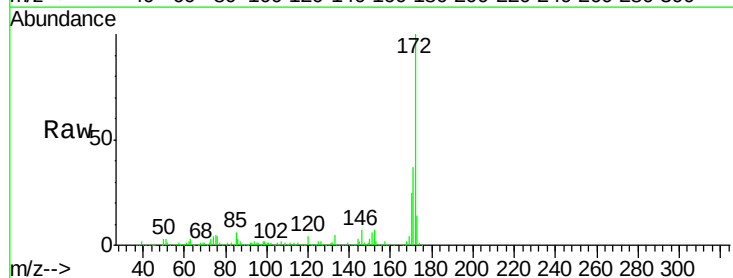
Instrument :  
 BNA\_G  
 ClientSampleId :  
 DRUM-1-1

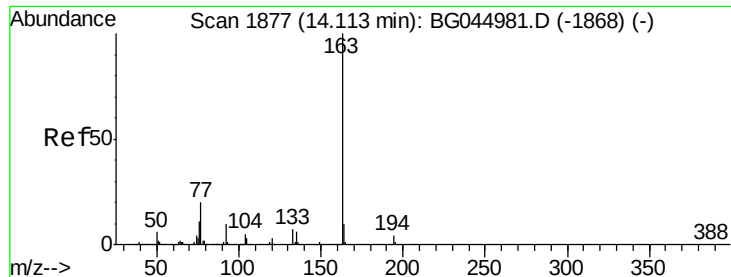
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 79.1  | 118.7 |
| 141     | 35.9  | 27.1  | 40.7  |



#45  
 2-Fluorobiphenyl  
 Concen: 112.77 ng  
 RT: 13.24 min Scan# 1728  
 Delta R.T. -0.01 min  
 Lab File: BG045304.D  
 Acq: 11 May 2020 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.6  | 46.0  |
| 170     | 24.5  | 20.5  | 30.7  |





#50

Dimethylphthalate

Concen: 8.70 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG045304.D

Acq: 11 May 2020 20:04

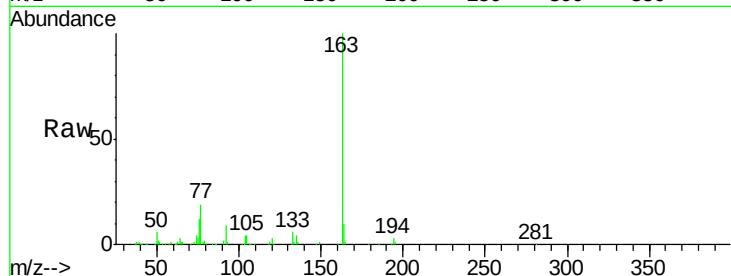
Instrument :

BNA\_G

ClientSampleId :

DRUM-1-1

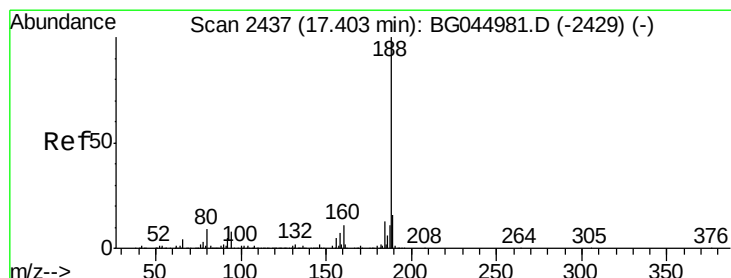
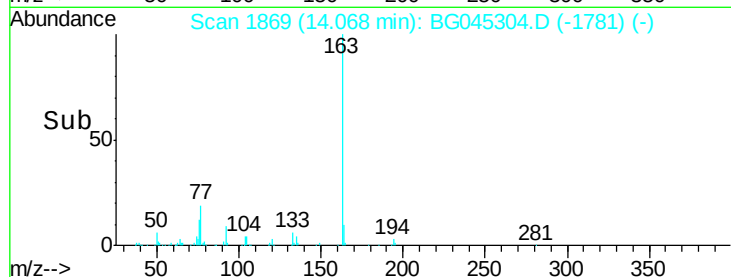
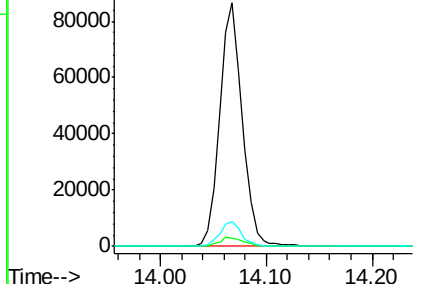
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 128592 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.5   | 3.5   | 5.3#   |
| 164       | 10.4  | 8.2   | 12.4   |



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



#64

Phenanthrene-d10

Concen: 20.00 ng

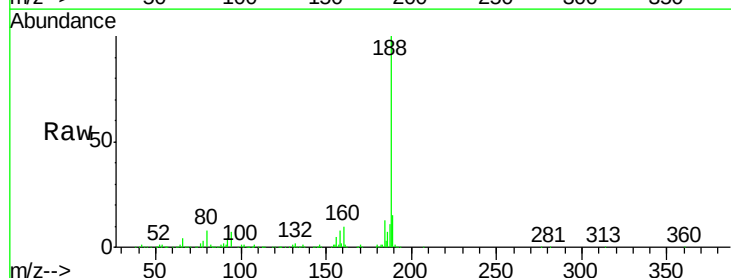
RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG045304.D

Acq: 11 May 2020 20:04

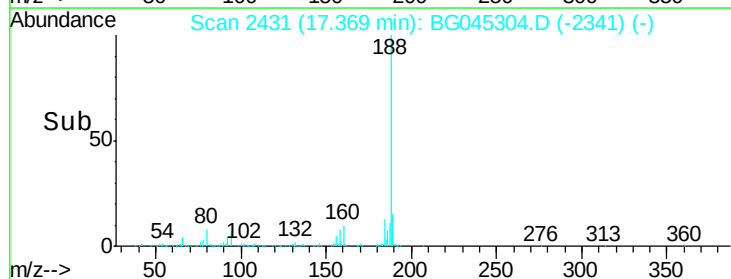
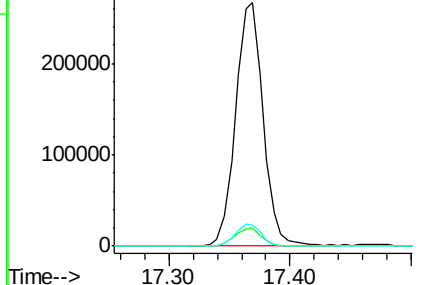
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 422743 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 7.5   | 6.2   | 9.4    |
| 80        | 8.4   | 7.0   | 10.6   |

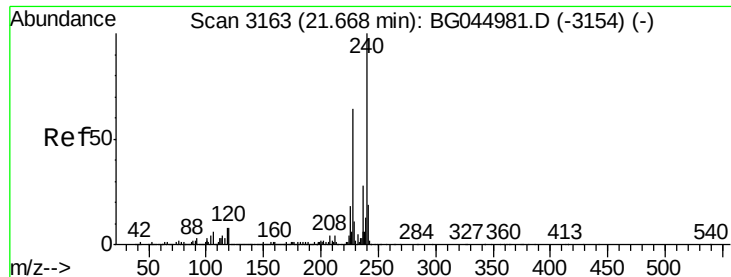


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

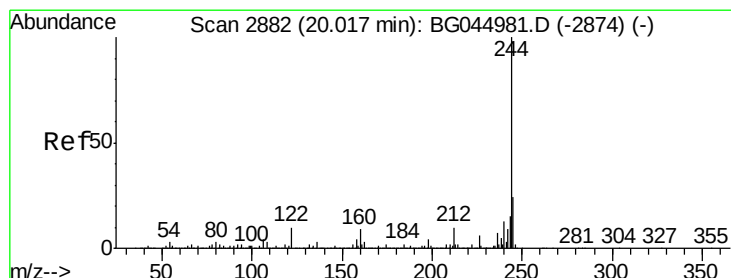
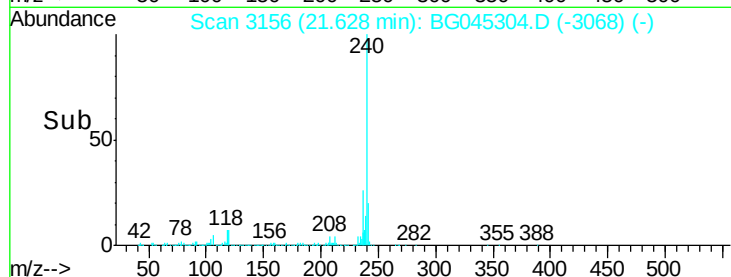
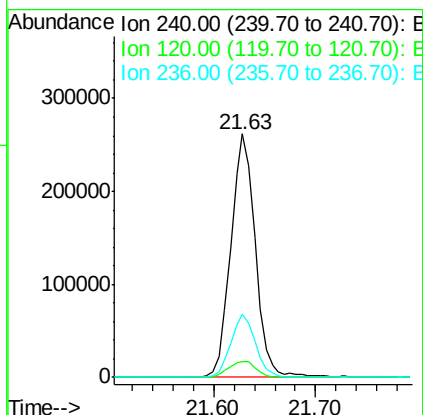
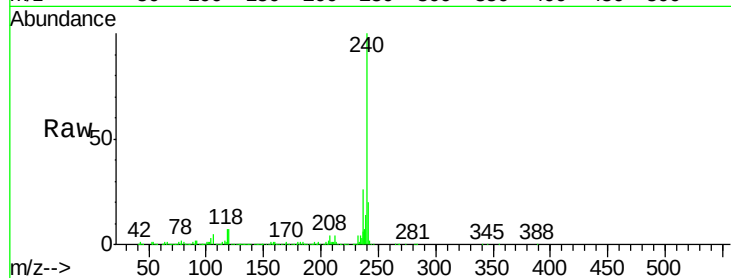




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.63 min Scan# 3156  
Delta R.T. -0.01 min  
Lab File: BG045304.D  
Acq: 11 May 2020 20:04

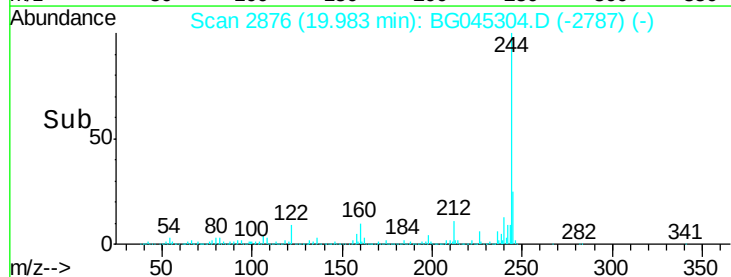
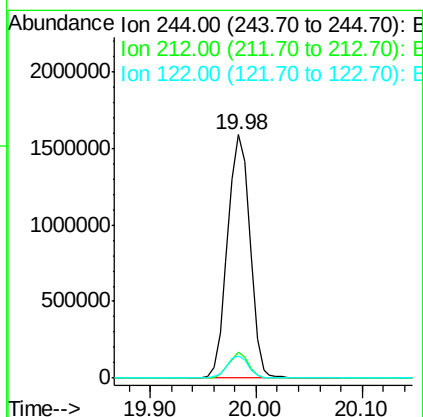
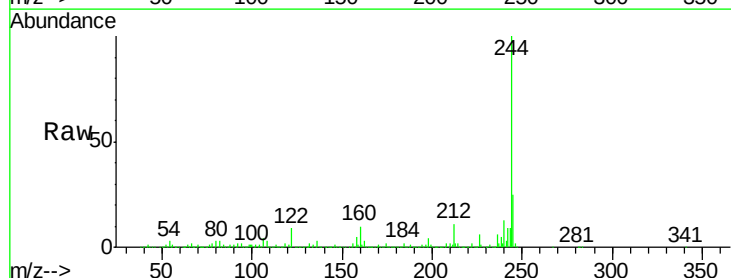
Instrument :  
BNA\_G  
ClientSampleId :  
DRUM-1-1

Tgt Ion:240 Resp: 438929  
Ion Ratio Lower Upper  
240 100  
120 6.5 6.6 10.0#  
236 25.8 22.2 33.2

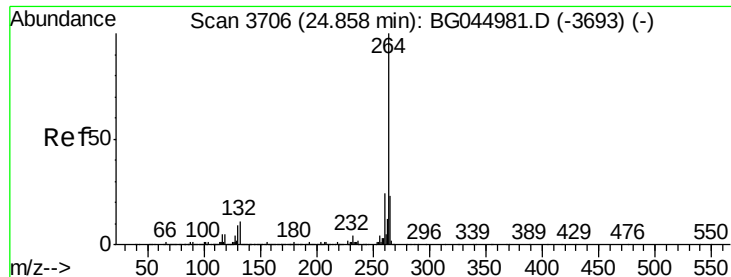


#79  
Terphenyl-d14  
Concen: 115.83 ng  
RT: 19.98 min Scan# 2876  
Delta R.T. -0.01 min  
Lab File: BG045304.D  
Acq: 11 May 2020 20:04

Tgt Ion:244 Resp: 2332682  
Ion Ratio Lower Upper  
244 100  
212 10.6 7.9 11.9  
122 9.2 7.7 11.5







#87

Perylene-d12

Concen: 20.00 ng

RT: 24.79 min Scan# 3695

Delta R.T. -0.01 min

Lab File: BG045304.D

Acq: 11 May 2020 20:04

Instrument :

BNA\_G

ClientSampleId :

DRUM-1-1

Tgt Ion:264 Resp: 472144

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.0 19.0 28.4

