

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\  
 Data File : BG045052.D  
 Acq On : 18 Apr 2020 5:06  
 Operator : CG/JU  
 Sample : L2306-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-4-15-2020

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Quant Time: Apr 18 07:29:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 11:08:29 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 54929    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 236732   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 189384   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.40 | 188  | 473889   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.66 | 240  | 453234   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.85 | 264  | 484908   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 510516   | 153.44 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 725833   | 146.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 541169   | 104.31 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 482191   | 164.81 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 1310468  | 101.46 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.01 | 244  | 2273299  | 109.32 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.08 | 122  | 16200m   | 11.158 | ng    | Qvalue   |

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

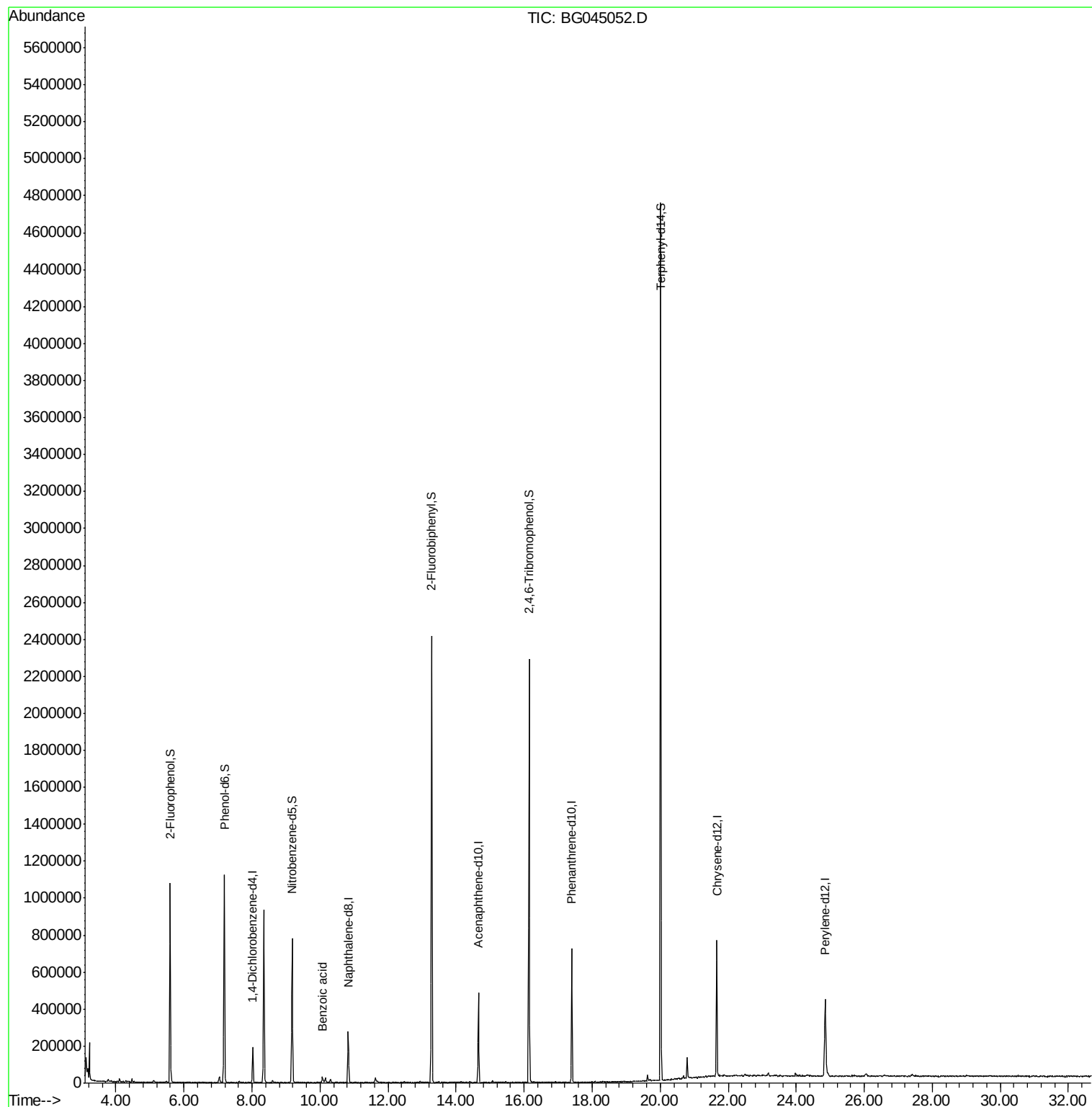
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\  
Data File : BG045052.D  
Acq On : 18 Apr 2020 5:06  
Operator : CG/JU  
Sample : L2306-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

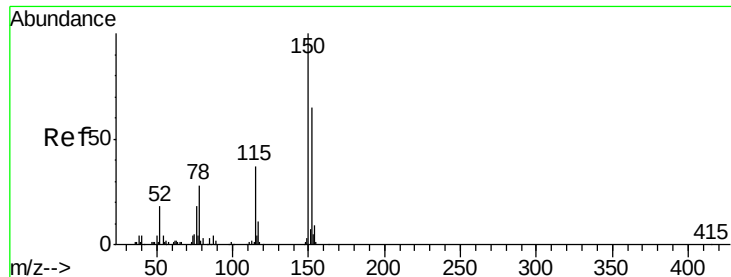
Instrument :  
BNA\_G  
ClientSampleId :  
CC-4-15-2020

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Quant Time: Apr 18 07:29:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 17 11:08:29 2020  
Response via : Initial Calibration





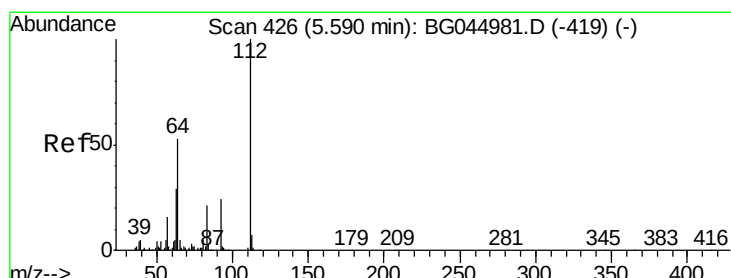
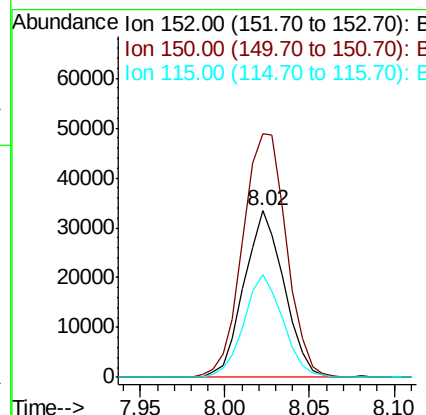
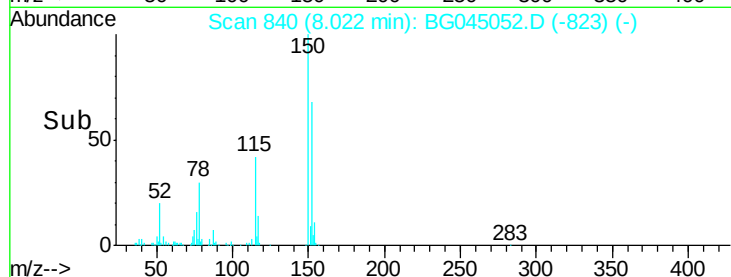
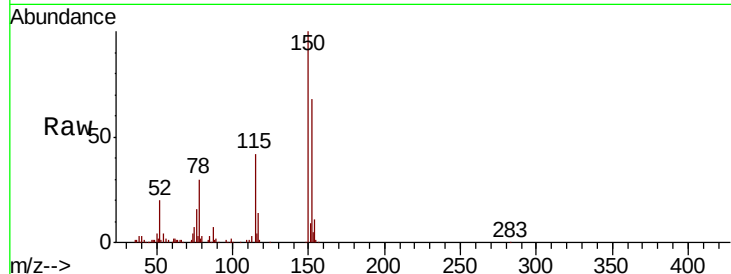
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG045052.D  
Acq: 18 Apr 2020 5:06

Instrument :  
BNA\_G  
ClientSampleId :  
CC-4-15-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 54929 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 146.1 | 123.6 | 185.4 |
| 115       | 62.0  | 49.1  | 73.7  |

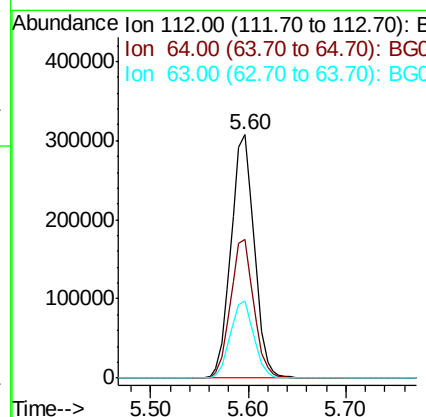
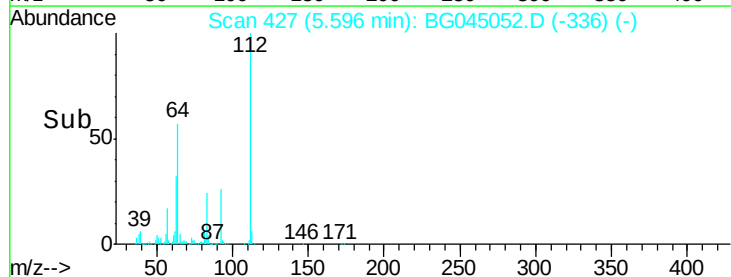
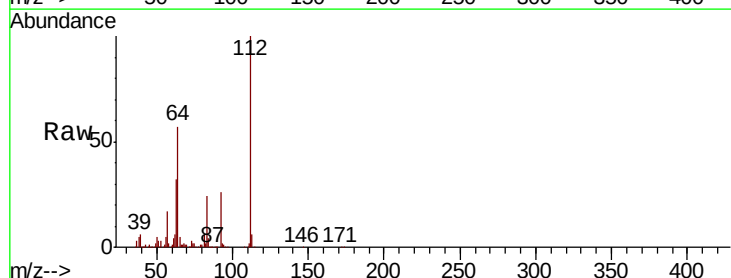
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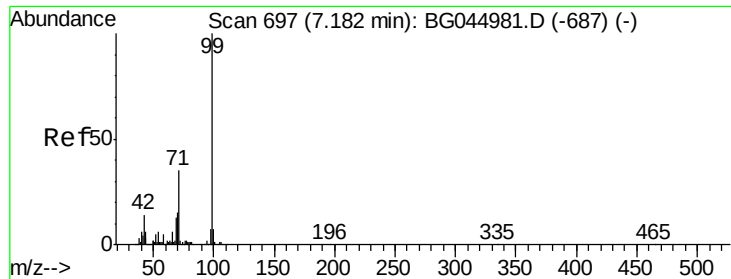
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#5  
2-Fluorophenol  
Concen: 153.441 ng  
RT: 5.60 min Scan# 427  
Delta R.T. 0.00 min  
Lab File: BG045052.D  
Acq: 18 Apr 2020 5:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 510516 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.7  | 42.4  | 63.6   |
| 63        | 31.6  | 23.1  | 34.7   |





#7

Phenol-d6

Concen: 146.832 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG045052.D

Acq: 18 Apr 2020 5:06

Instrument :

BNA\_G

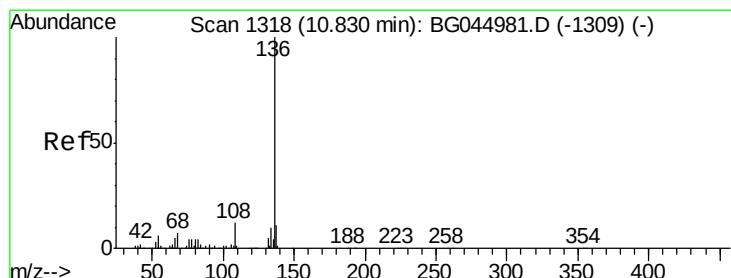
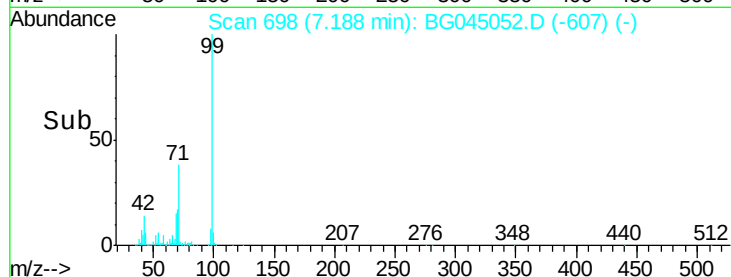
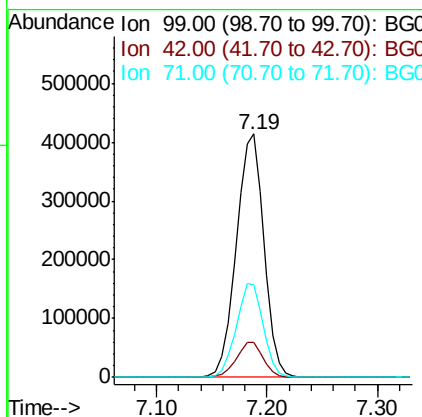
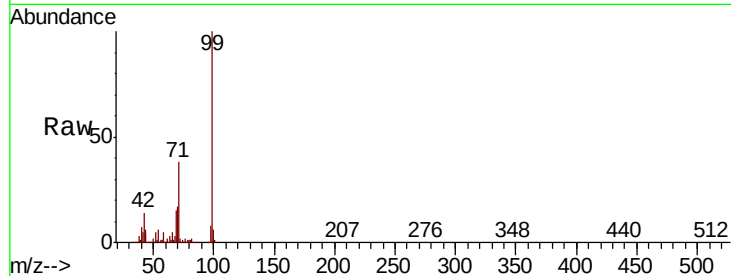
ClientSampled :

CC-4-15-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 725833 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.2  | 11.3  | 16.9   |
| 71        | 37.9  | 28.3  | 42.5   |

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#21

Naphthalene-d8

Concen: 20.000 ng

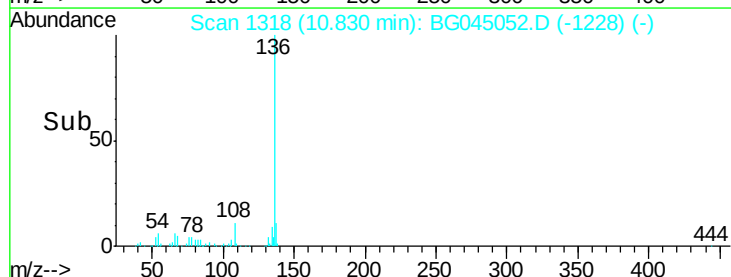
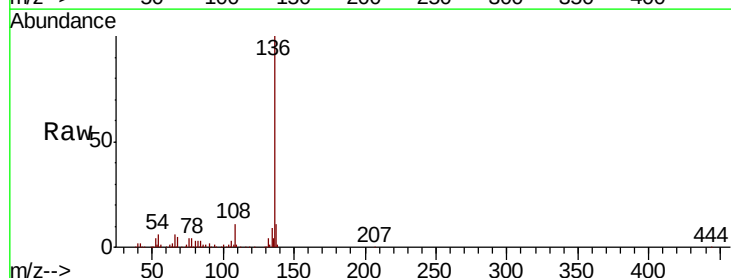
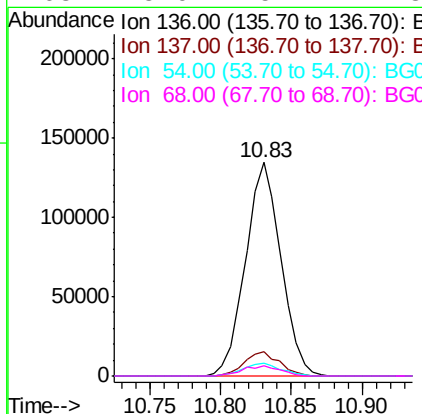
RT: 10.83 min Scan# 1318

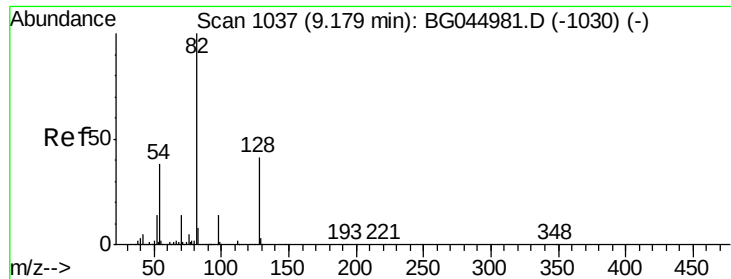
Delta R.T. -0.00 min

Lab File: BG045052.D

Acq: 18 Apr 2020 5:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 236732 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.6   | 13.0   |
| 54        | 6.3   | 4.8   | 7.2    |
| 68        | 5.0   | 5.2   | 7.8    |





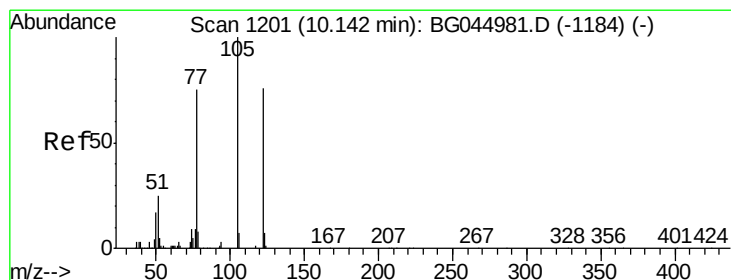
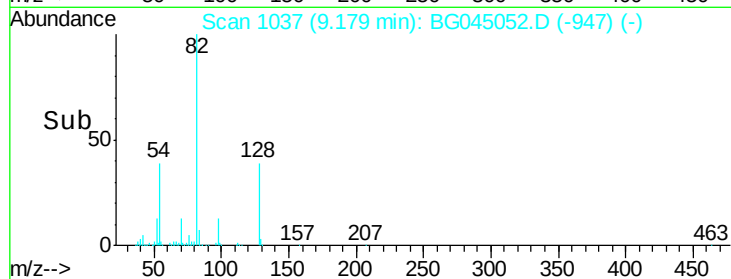
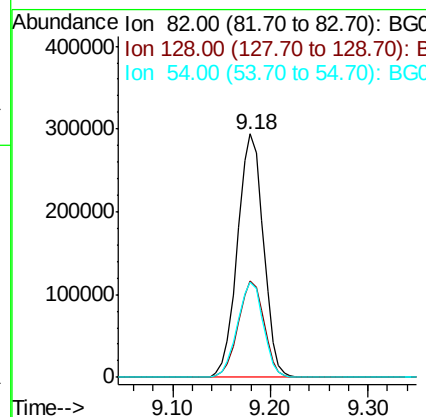
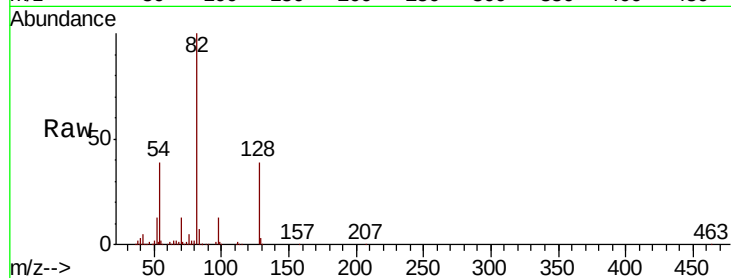
#23  
 Nitrobenzene-d5  
 Concen: 104.307 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-4-15-2020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 39.4  | 33.0 | 49.4  |       |
| 54      | 39.1  | 30.4 | 45.6  |       |

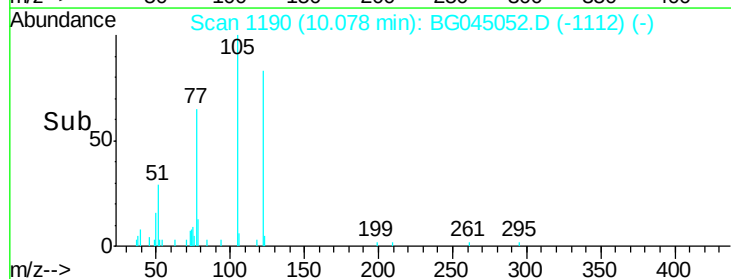
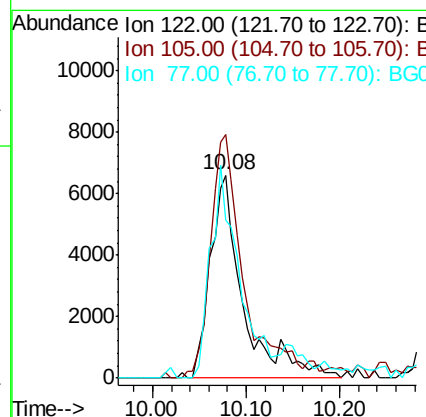
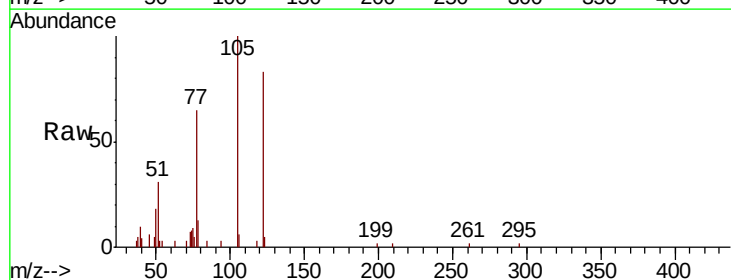
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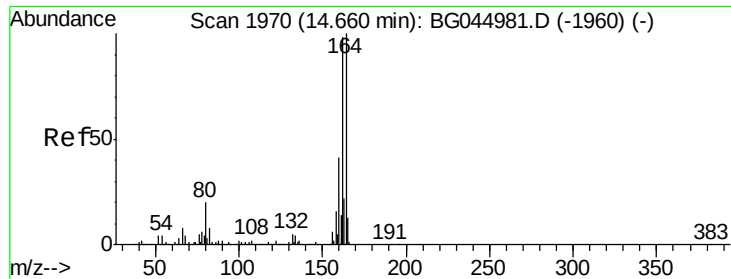
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#32  
 Benzoic acid  
 Concen: 11.158 ng m  
 RT: 10.08 min Scan# 1190  
 Delta R.T. -0.07 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 119.8 | 108.4 | 148.4 |       |
| 77      | 77.6  | 78.8  | 118.8 |       |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045052.D

Acq: 18 Apr 2020 5:06

Instrument :

BNA\_G

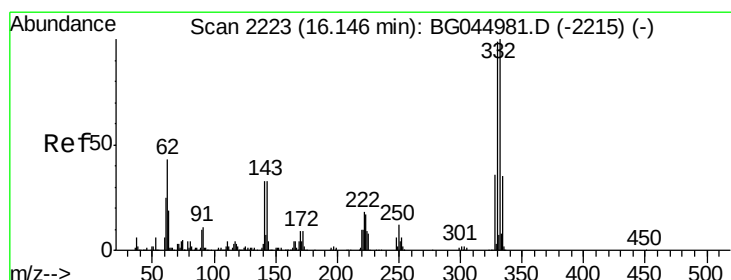
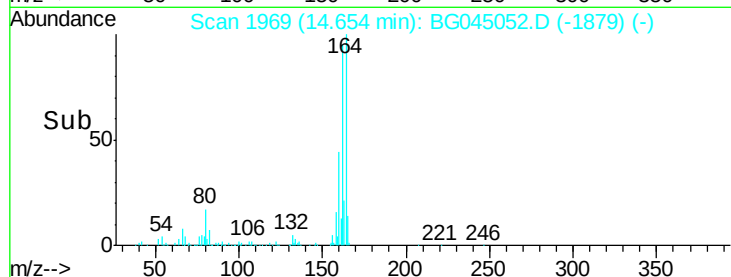
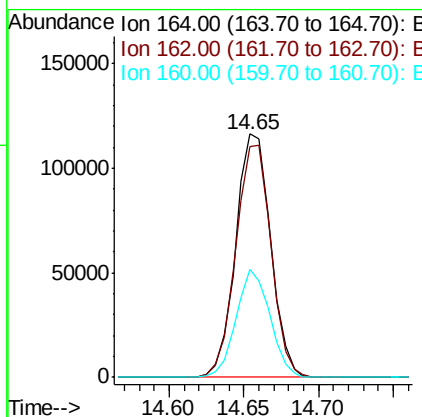
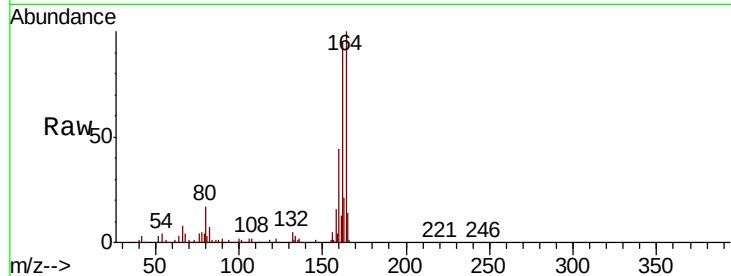
ClientSampleId :

CC-4-15-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 189384 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 94.7  | 78.7  | 118.1  |
| 160       | 44.2  | 32.8  | 49.2   |

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#42

2,4,6-Tribromophenol

Concen: 164.810 ng

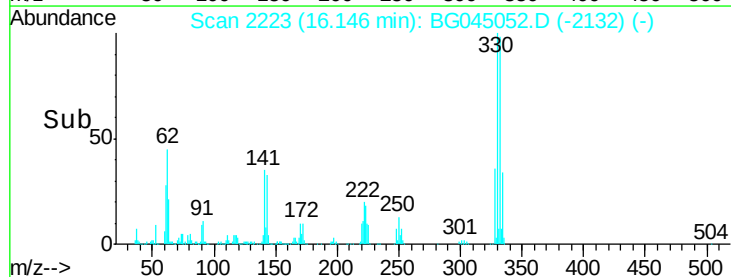
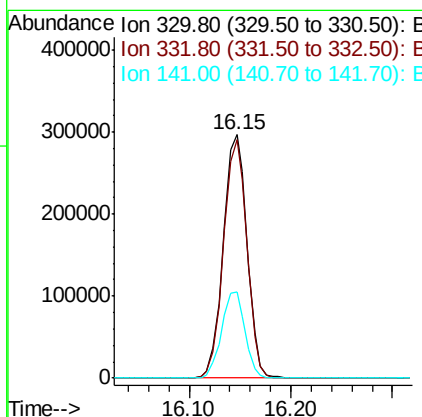
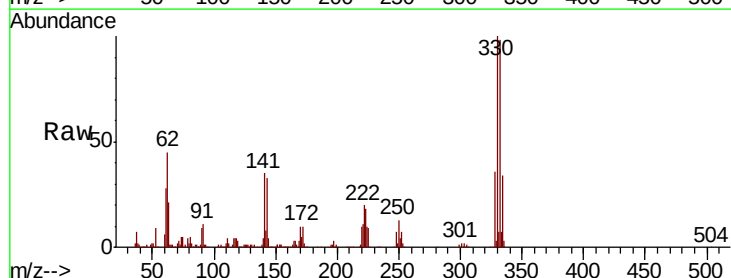
RT: 16.15 min Scan# 2223

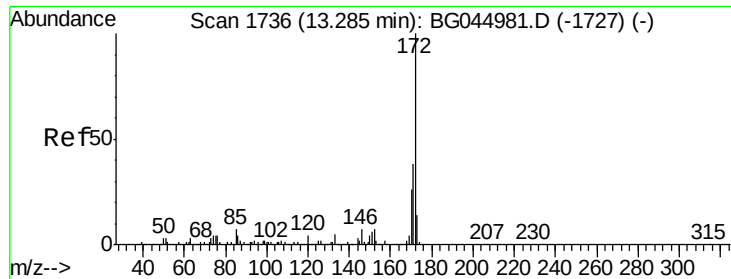
Delta R.T. 0.00 min

Lab File: BG045052.D

Acq: 18 Apr 2020 5:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 482191 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.4  | 79.1  | 118.7  |
| 141       | 35.0  | 27.1  | 40.7   |





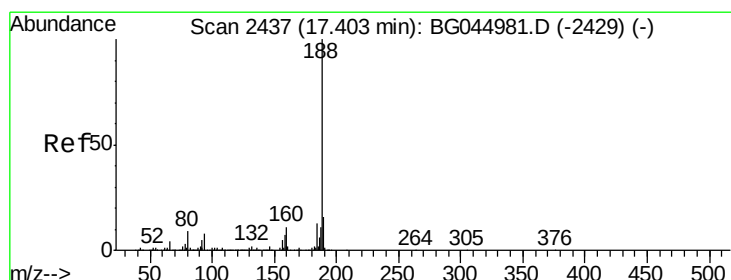
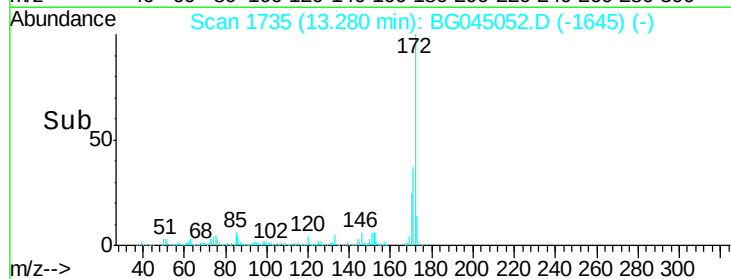
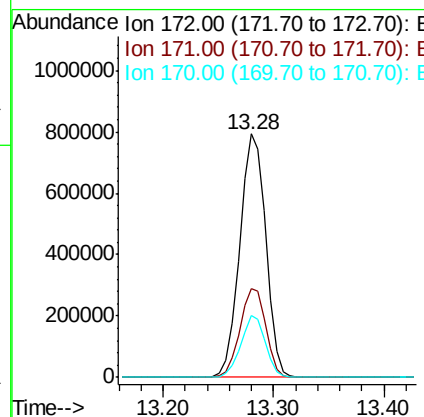
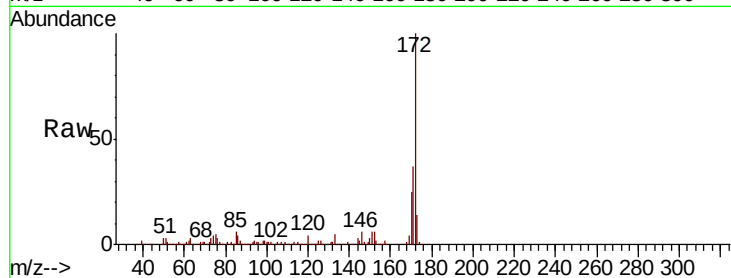
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 2-Fluorobiphenyl  
 Concen: 101.464 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-4-15-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 30.6  | 46.0  |
| 170     | 25.3  | 20.5  | 30.7  |

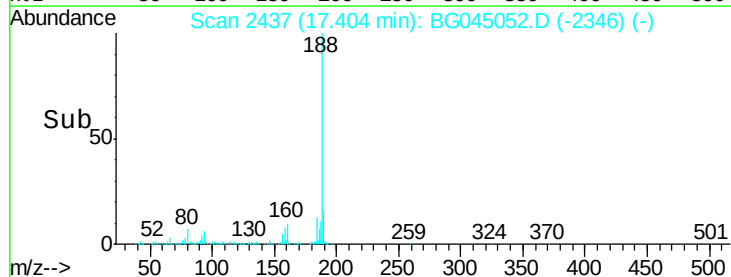
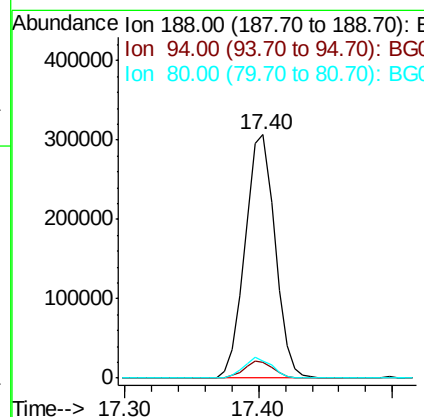
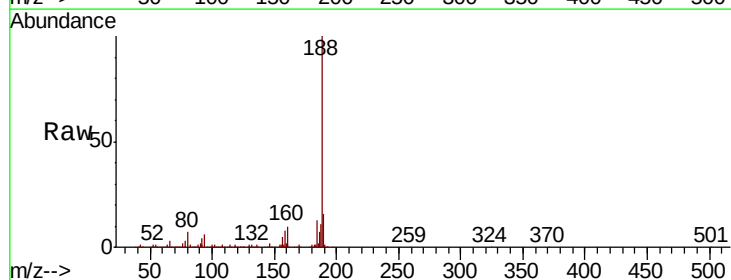
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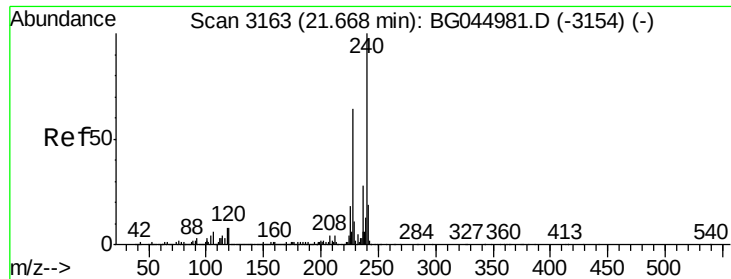
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#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.40 min Scan# 2437  
 Delta R.T. 0.00 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 6.2   | 9.4   |
| 80      | 7.2   | 7.0   | 10.6  |





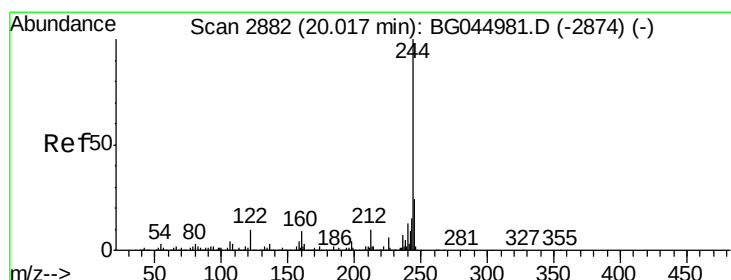
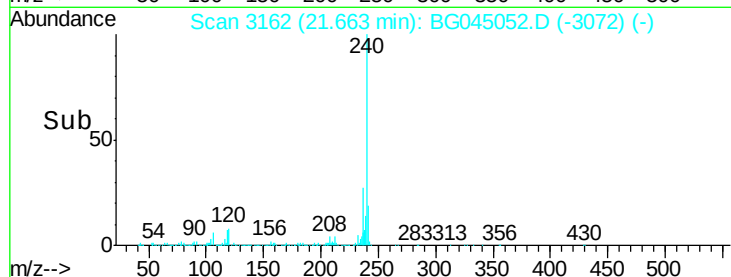
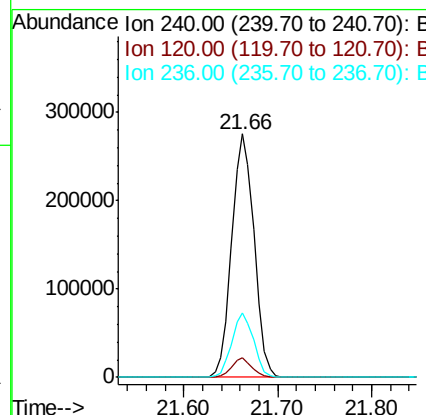
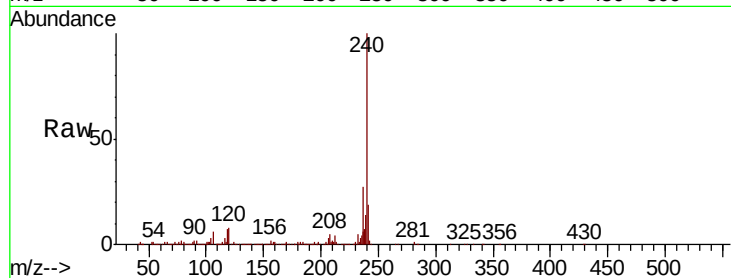
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 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.66 min Scan# 3162  
 Delta R.T. -0.00 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-4-15-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.0   | 6.6   | 10.0  |
| 236     | 26.7  | 22.2  | 33.2  |

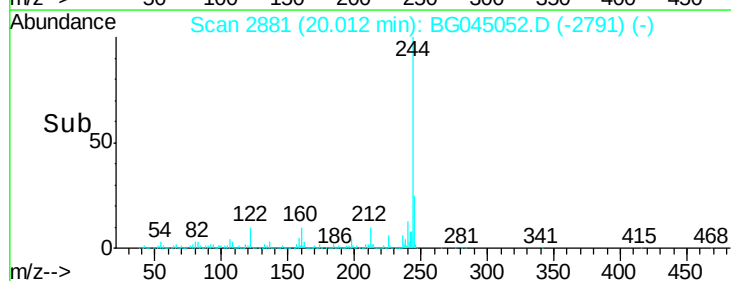
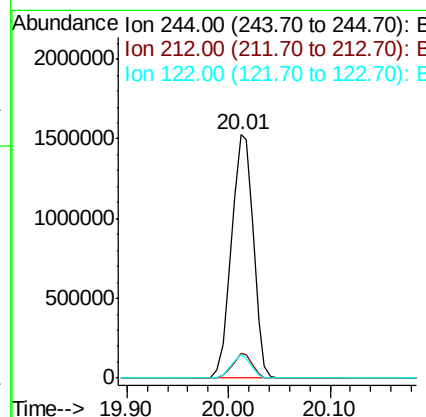
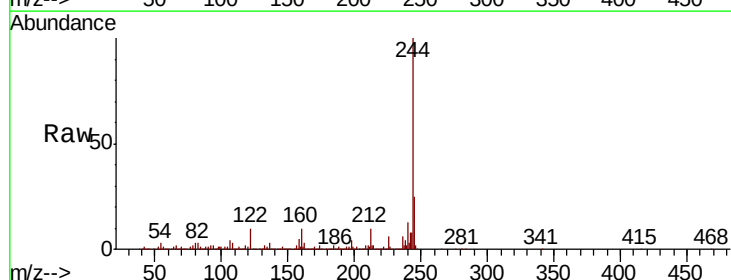
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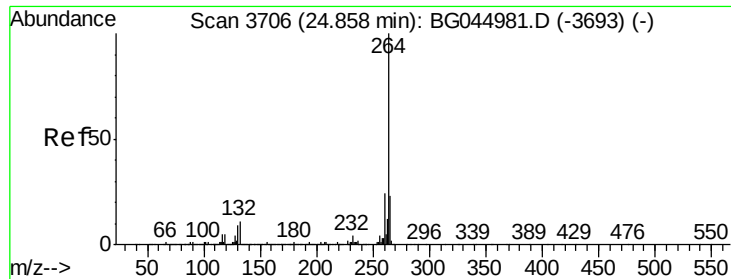


#79  
 Terphenyl-d14  
 Concen: 109.321 ng  
 RT: 20.01 min Scan# 2881  
 Delta R.T. -0.00 min  
 Lab File: BG045052.D  
 Acq: 18 Apr 2020 5:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.1  | 7.9   | 11.9  |
| 122     | 9.7   | 7.7   | 11.5  |







#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.85 min Scan# 3705  
Delta R.T. -0.00 min  
Lab File: BG045052.D  
Acq: 18 Apr 2020 5:06

Instrument :  
BNA\_G  
ClientSampleId :  
CC-4-15-2020

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.2  | 19.2       | 28.8  |
| 265     | 22.1  | 19.0       | 28.4  |

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