

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\  
 Data File : BG043420.D  
 Acq On : 31 Oct 2019 3:50  
 Operator : JU  
 Sample : K5576-09  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CSA-2-1-7

Quant Time: Oct 31 08:31:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

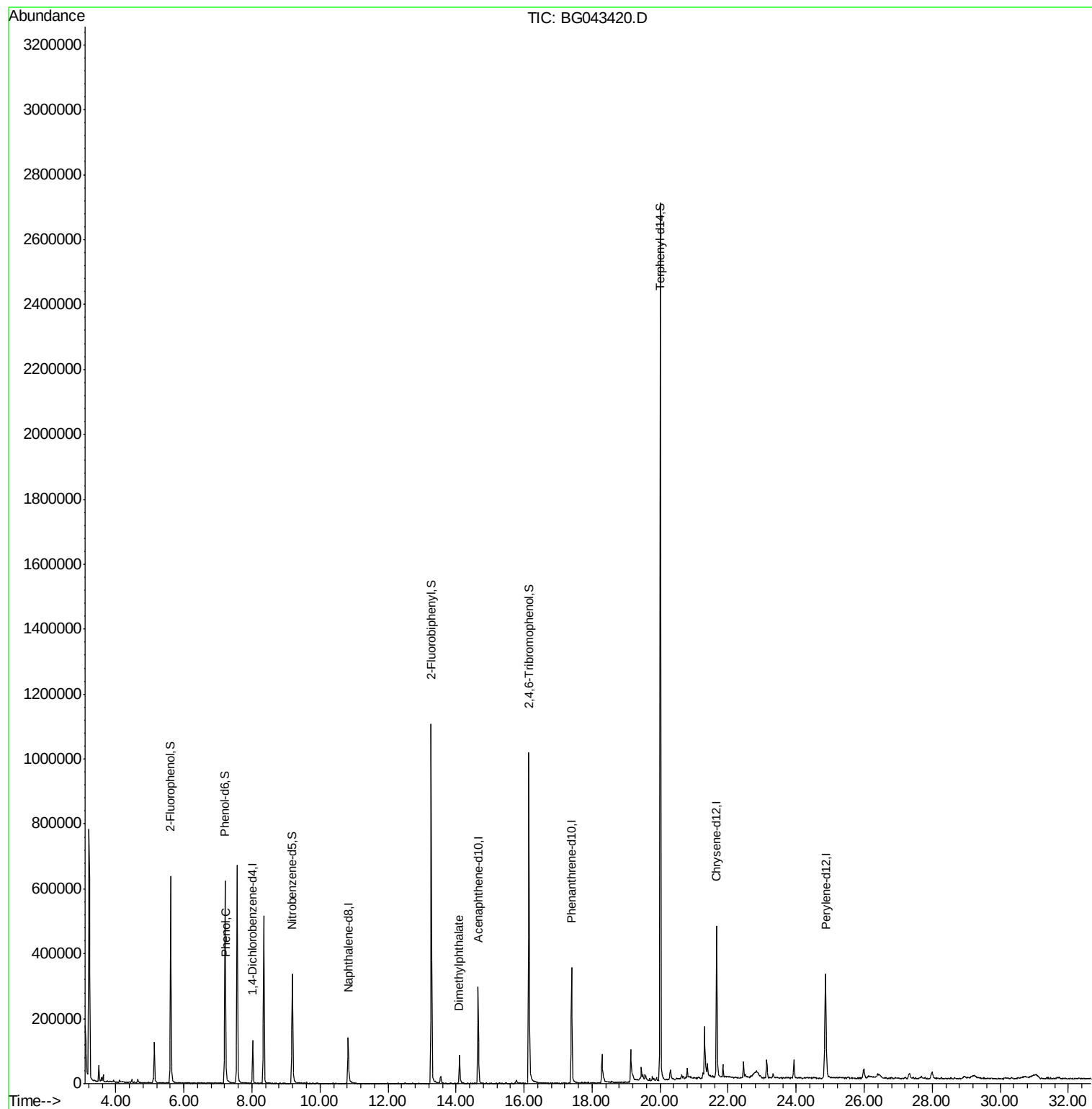
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 41833    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.83 | 136  | 144288   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.65 | 164  | 112334   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.40 | 188  | 267793   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.66 | 240  | 308394   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 24.86 | 264  | 363367   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.61  | 112  | 287886   | 126.11 | ng    | 0.00        |
| 7) Phenol-d6                | 7.21  | 99   | 385044   | 117.23 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 237855   | 84.99  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 271049   | 126.79 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.27 | 172  | 659231   | 81.09  | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.00 | 244  | 1426733  | 86.79  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.23  | 94   | 8153     | 2.716  | ng    | Qvalue # 55 |
| 50) Dimethylphthalate       | 14.10 | 163  | 72844    | 8.372  | ng    | 99          |

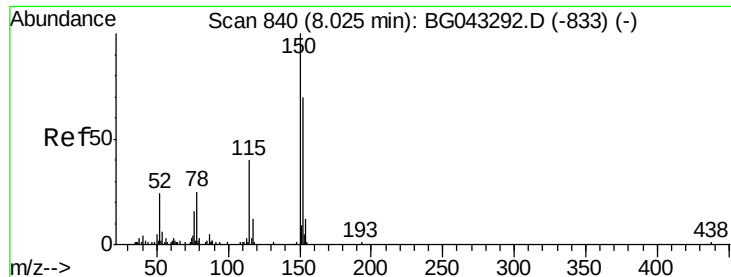
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\  
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ClientSampleId :  
CSA-2-1-7

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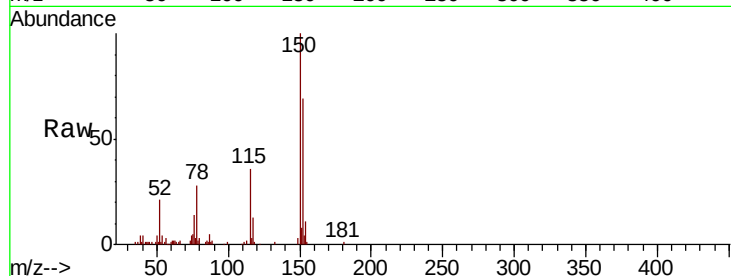


#1

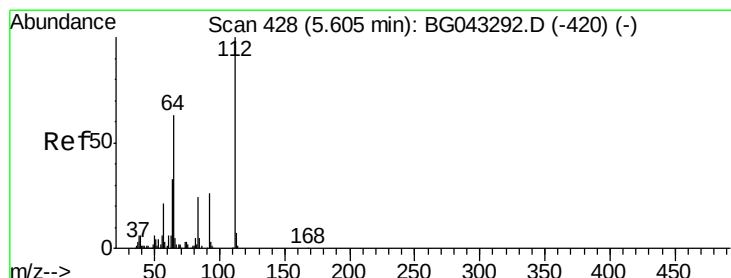
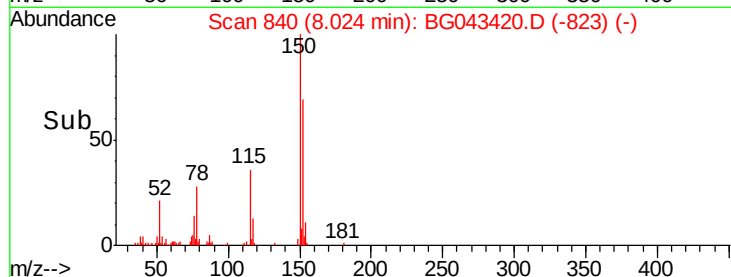
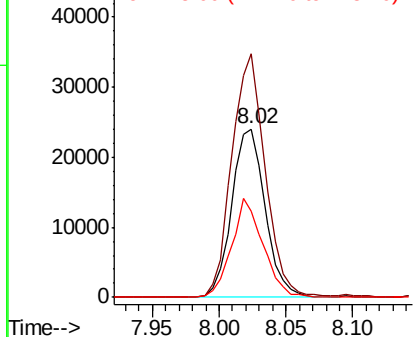
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043420.D  
Acq: 31 Oct 2019 3:50

Instrument :  
BNA\_G  
ClientSampleId :  
CSA-2-1-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.5 | 113.6 | 170.4 |
| 115     | 51.5  | 45.9  | 68.9  |



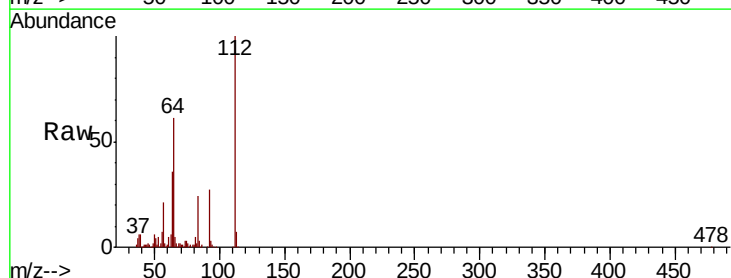
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



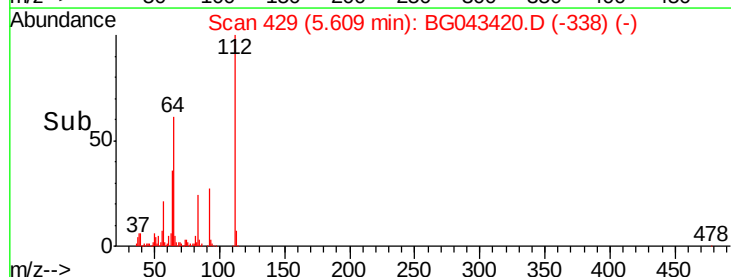
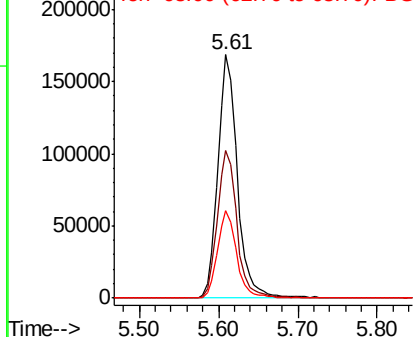
#5

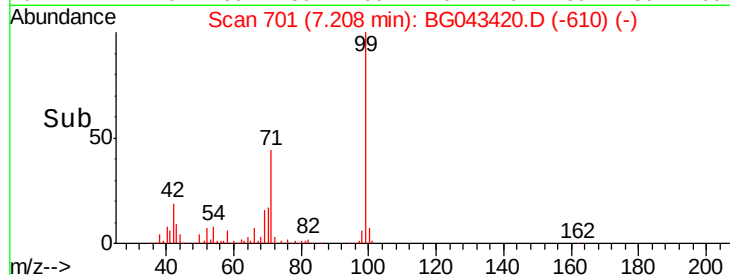
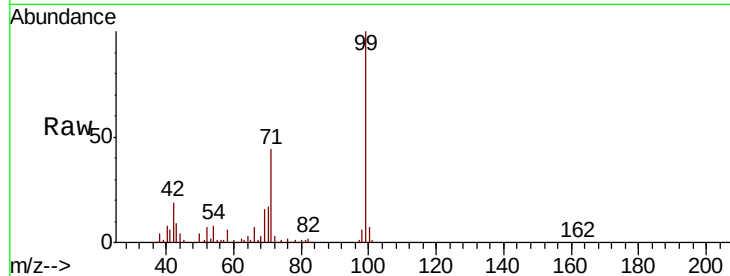
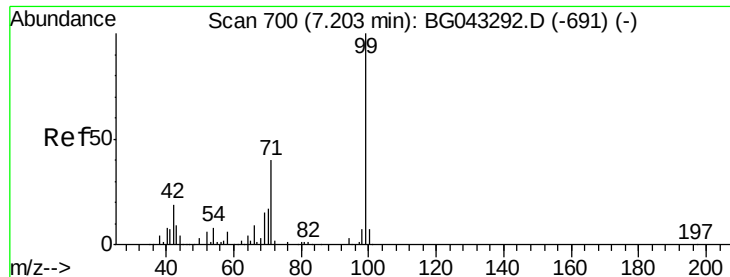
2-Fluorophenol  
Concen: 126.105 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BG043420.D  
Acq: 31 Oct 2019 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.8  | 50.2  | 75.2  |
| 63      | 35.9  | 26.7  | 40.1  |



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: 117.228 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA\_G

ClientSampled :

CSA-2-1-7

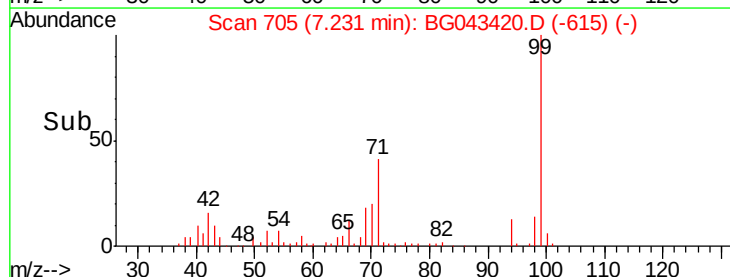
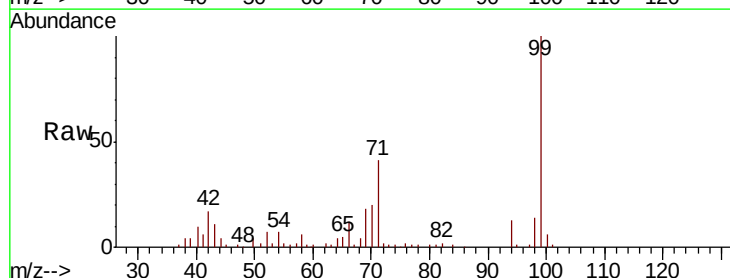
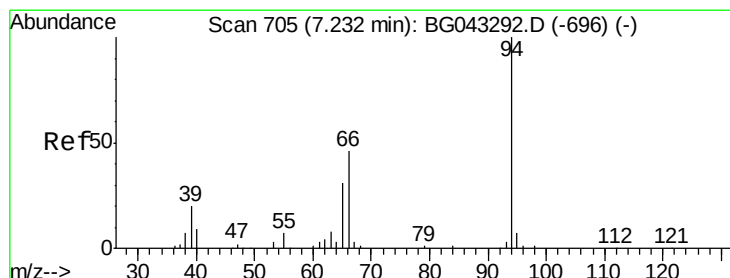
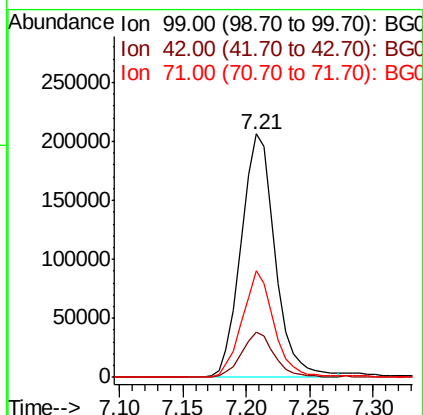
Tot Ion: 99 Resp: 385044

Ion Ratio Lower Upper

99 100

42 18.8 14.9 22.3

71 43.6 32.2 48.2



#10

Phenol

Concen: 2.716 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

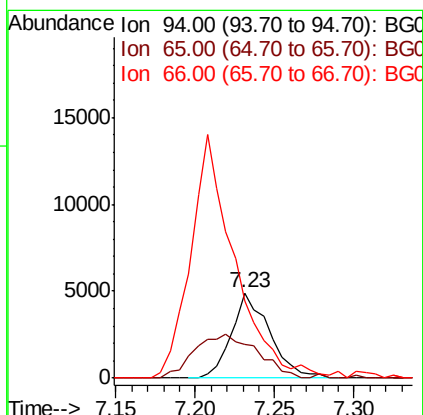
Tgt Ion: 94 Resp: 8153

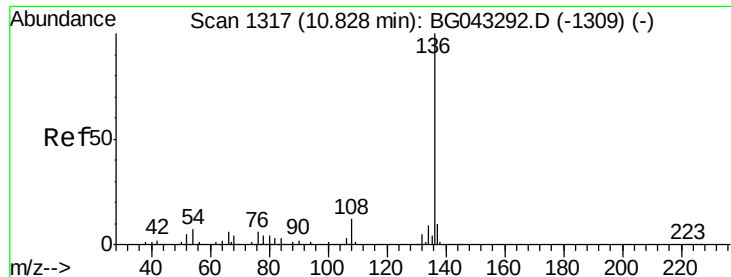
Ion Ratio Lower Upper

94 100

65 39.5 11.1 51.1

66 91.0 27.8 67.8#

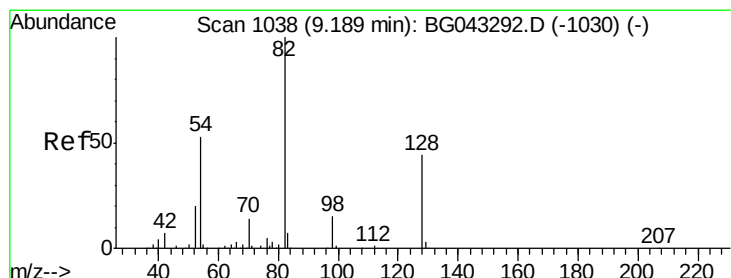
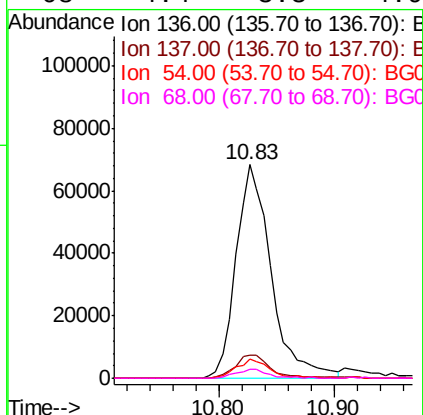
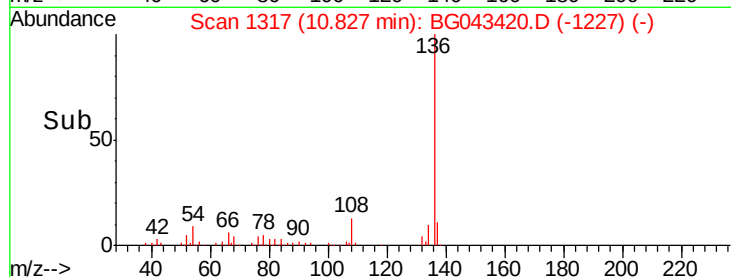
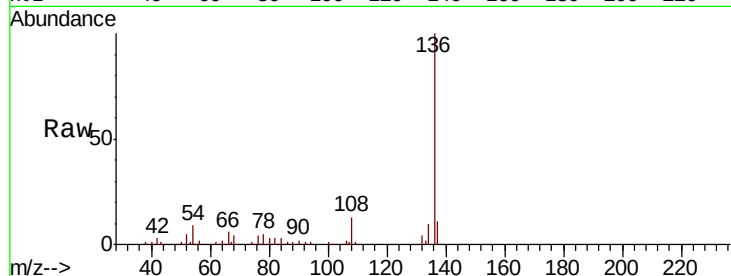




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: BG043420.D  
Acq: 31 Oct 2019 3:50

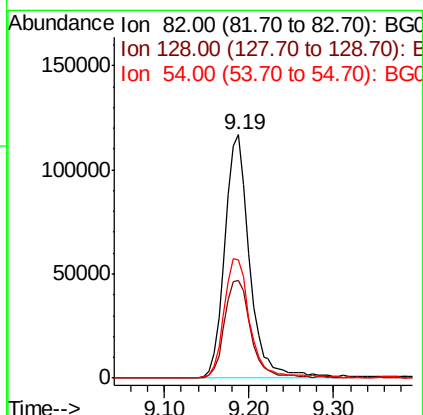
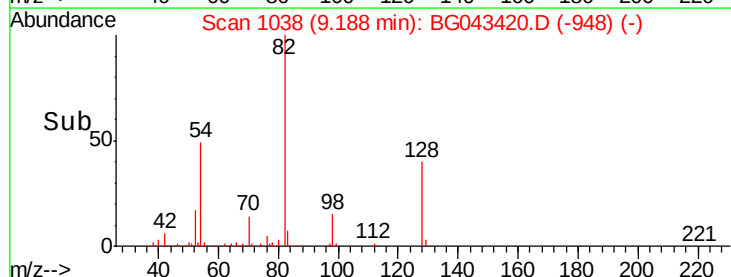
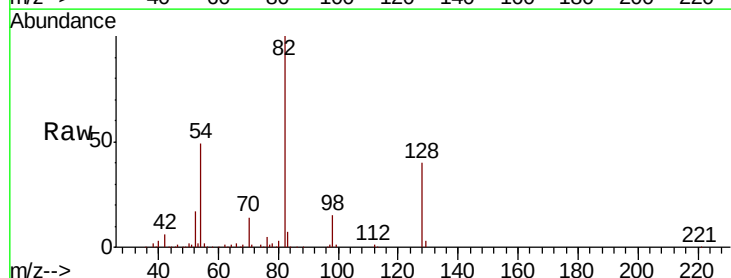
Instrument :  
BNA\_G  
ClientSampleId :  
CSA-2-1-7

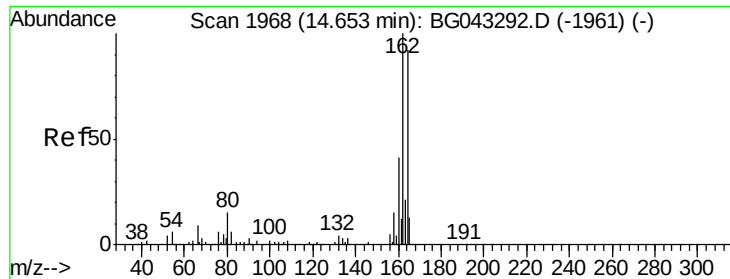
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 144288   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.2 12.2 |
| 54          | 8.8   | 5.4 8.2# |
| 68          | 4.4   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 84.986 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043420.D  
Acq: 31 Oct 2019 3:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 237855    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 40.3  | 35.3 52.9 |
| 54          | 48.7  | 42.3 63.5 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA\_G

ClientSampleId :

CSA-2-1-7

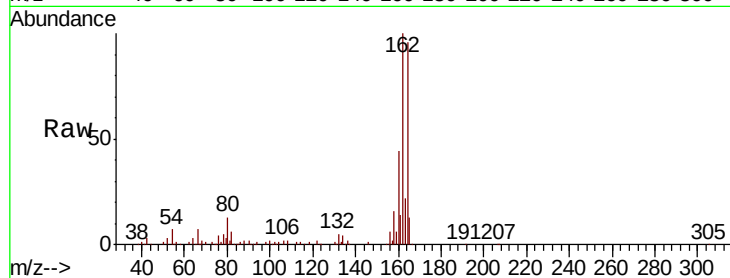
Tot Ion:164 Resp: 112334

Ion Ratio Lower Upper

164 100

162 104.3 87.0 130.4

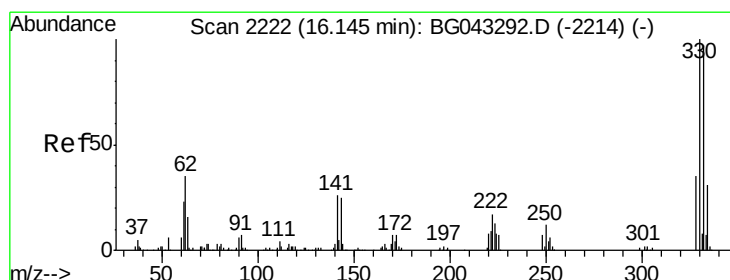
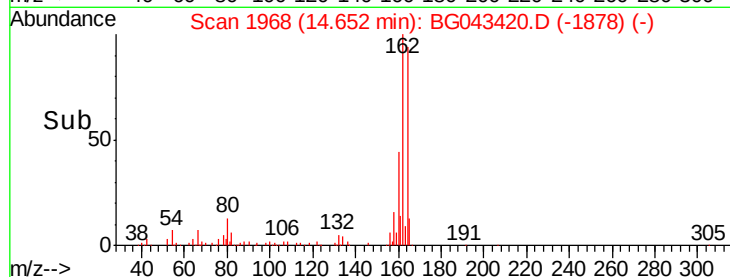
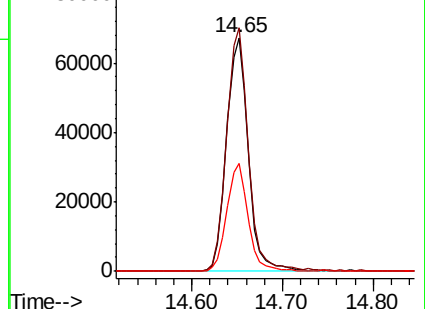
160 46.3 35.5 53.3



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: 126.794 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

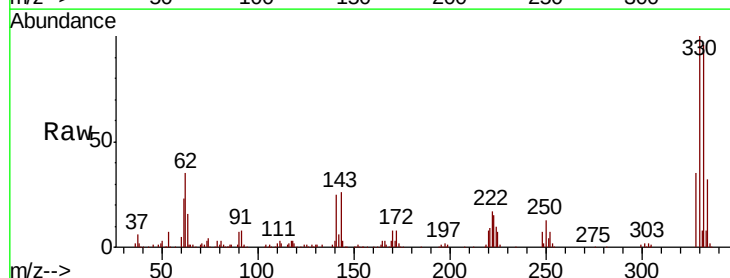
Tgt Ion:330 Resp: 271049

Ion Ratio Lower Upper

330 100

332 95.9 76.4 114.6

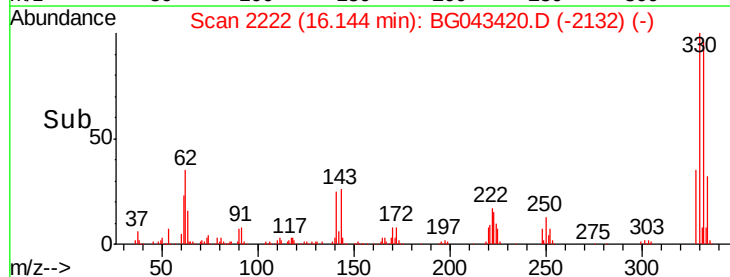
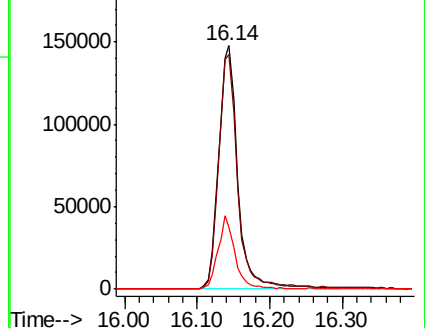
141 26.7 21.4 32.0

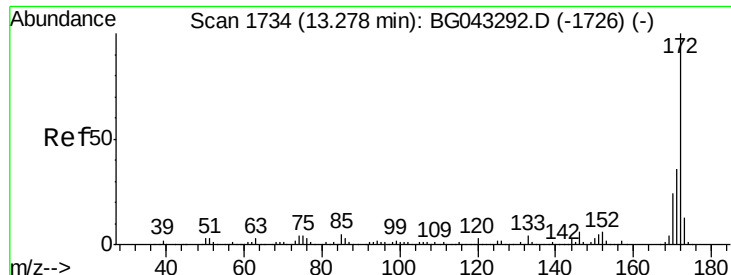


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

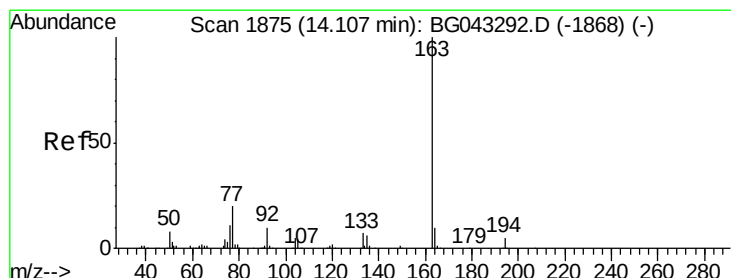
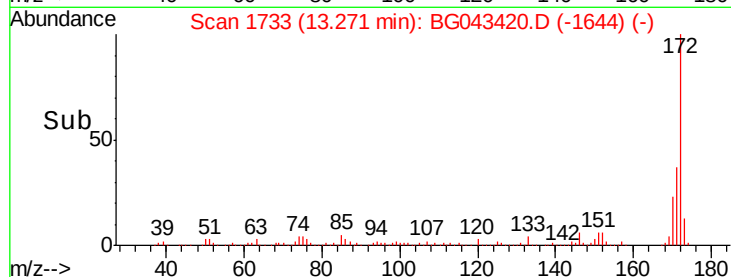
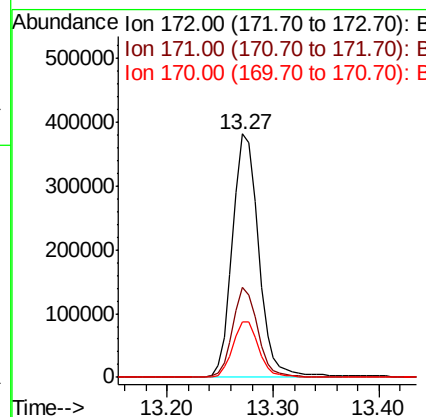
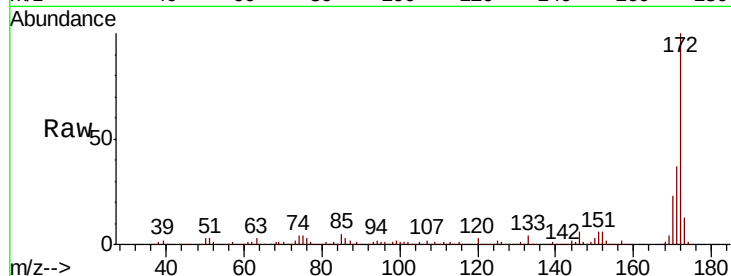




#45  
 2-Fluorobiphenyl  
 Concen: 81.091 ng  
 RT: 13.27 min Scan# 1733  
 Delta R.T. -0.01 min  
 Lab File: BG043420.D  
 Acq: 31 Oct 2019 3:50

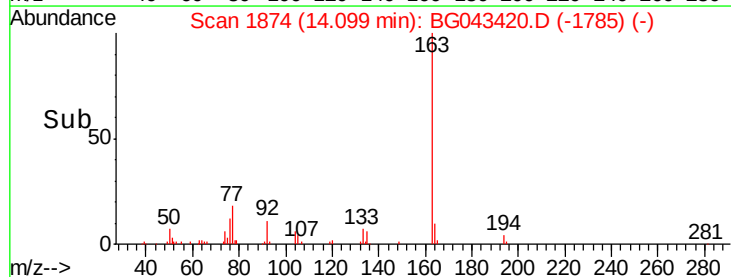
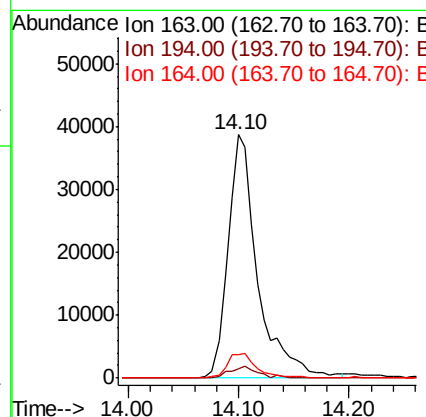
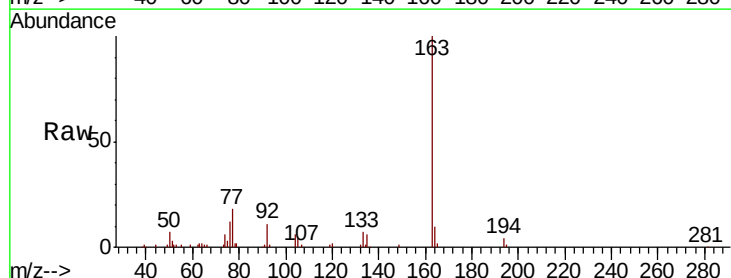
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CSA-2-1-7

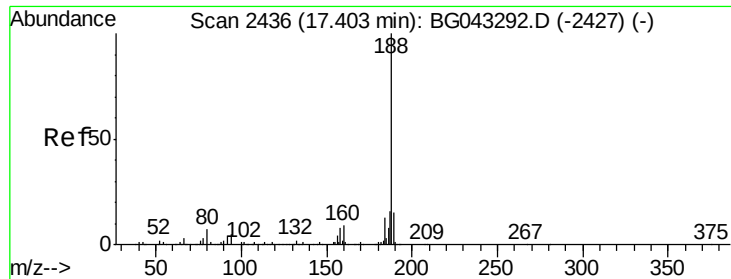
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 28.5  | 42.7  |
| 170     | 22.5  | 18.8  | 28.2  |



#50  
 Dimethylphthalate  
 Concen: 8.372 ng  
 RT: 14.10 min Scan# 1874  
 Delta R.T. -0.01 min  
 Lab File: BG043420.D  
 Acq: 31 Oct 2019 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.7   | 5.5   |
| 164     | 9.8   | 8.1   | 12.1  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA\_G

ClientSampleId :

CSA-2-1-7

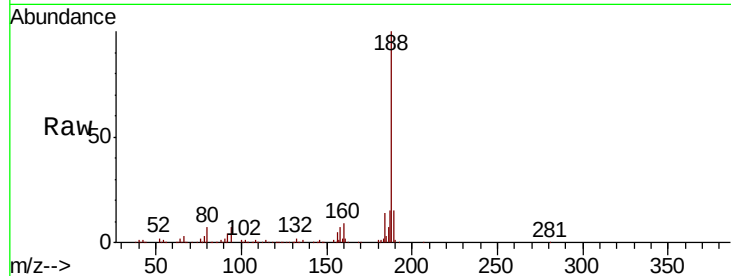
Tot Ion:188 Resp: 267793

Ion Ratio Lower Upper

188 100

94 7.1 4.2 6.2#

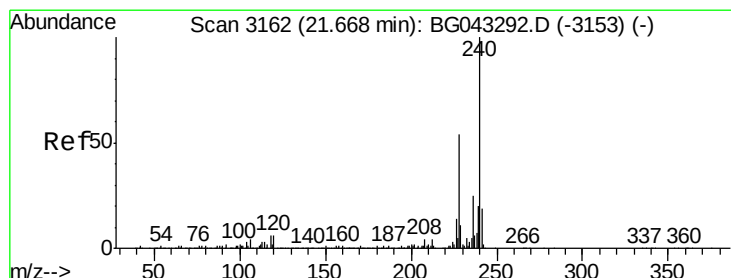
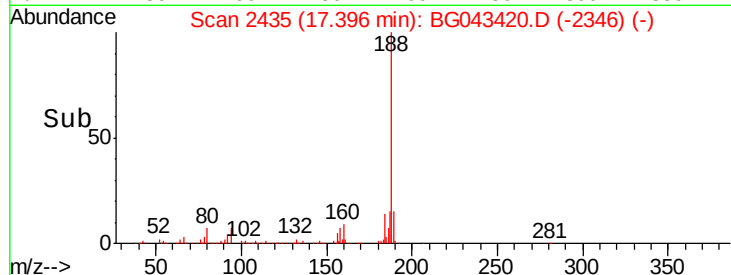
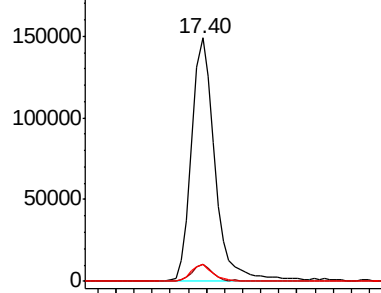
80 6.8 5.2 7.8



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

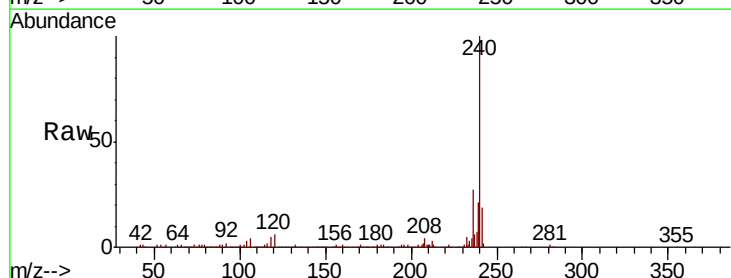
Tgt Ion:240 Resp: 308394

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

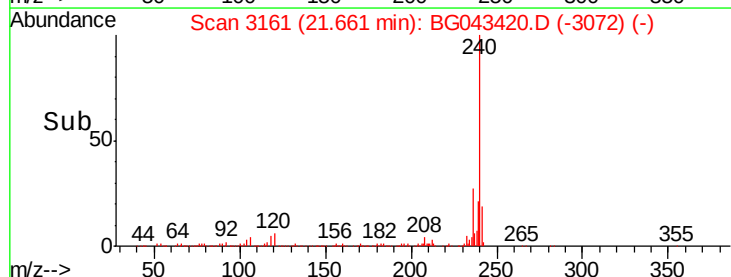
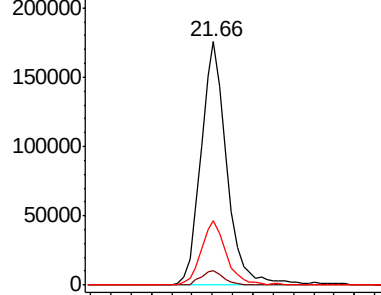
236 26.6 20.2 30.4



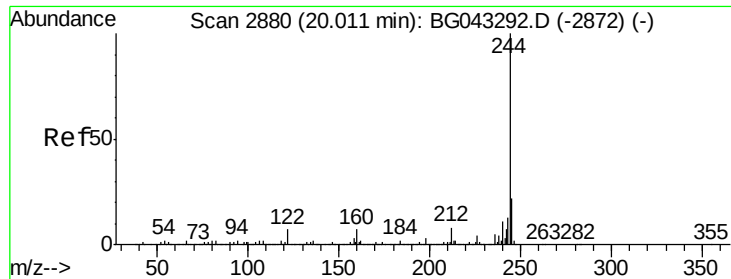
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





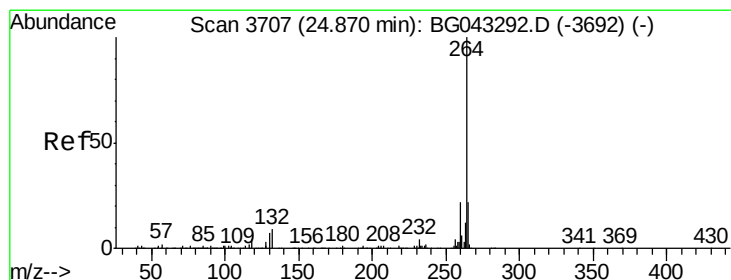
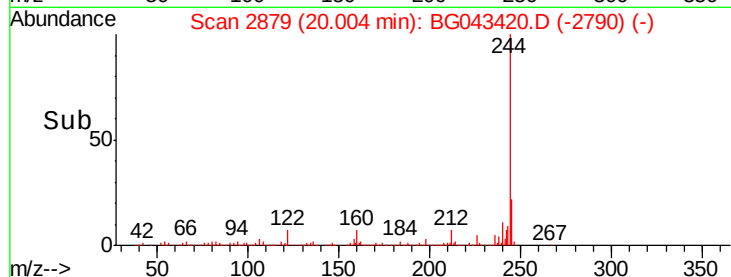
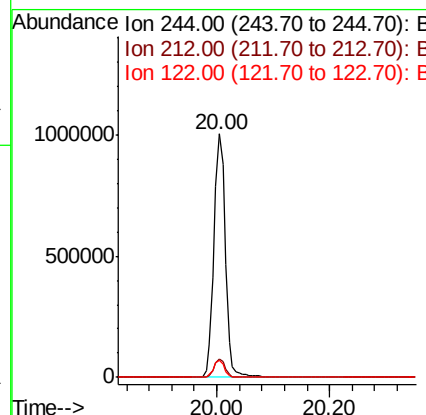
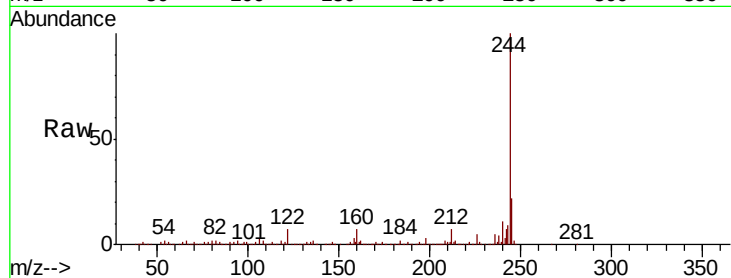


#79  
 Terphenyl-d14  
 Concen: 86.793 ng  
 RT: 20.00 min Scan# 2879  
 Delta R.T. -0.01 min  
 Lab File: BG043420.D  
 Acq: 31 Oct 2019 3:50

Instrument :  
 BNA\_G  
 ClientSampled :  
 CSA-2-1-7

Tot Ion:244 Resp: 1426733  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.4   | 9.6   |
| 122 | 7.3   | 5.3   | 7.9   |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.86 min Scan# 3705  
 Delta R.T. -0.01 min  
 Lab File: BG043420.D  
 Acq: 31 Oct 2019 3:50

Tgt Ion:264 Resp: 363367  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 17.9  | 26.9  |
| 265 | 22.4  | 17.4  | 26.2  |

