

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
 Data File : BG044218.D  
 Acq On : 27 Jan 2020 16:51  
 Operator : CG/JU  
 Sample : L1245-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20200063-AMENDED-COMP-1

Quant Time: Jan 28 01:08:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

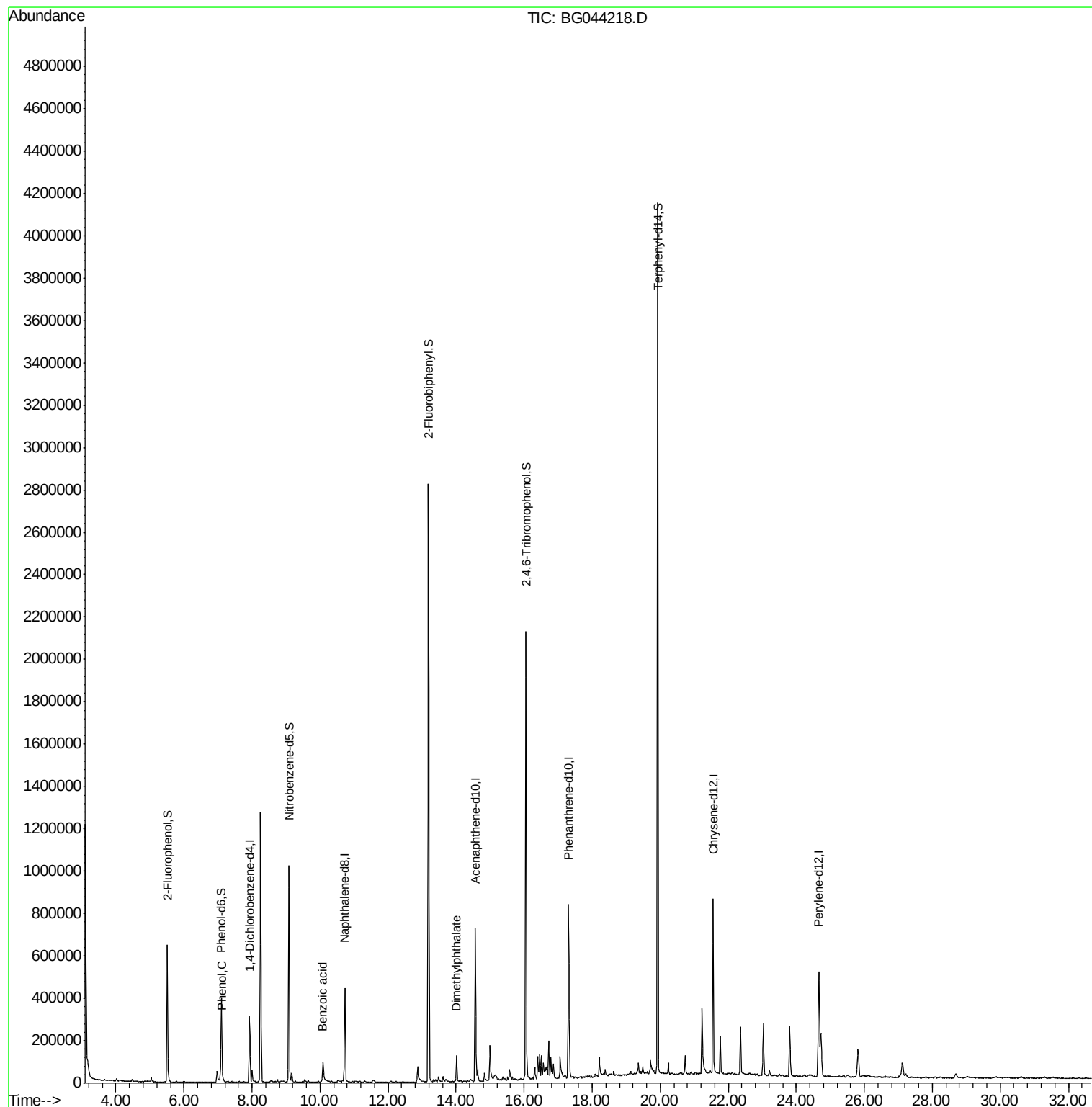
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 93980    | 20.00  | ng    | -0.04     |
| 21) Naphthalene-d8          | 10.73 | 136  | 407999   | 20.00  | ng    | -0.04     |
| 39) Acenaphthene-d10        | 14.56 | 164  | 271999   | 20.00  | ng    | -0.04     |
| 64) Phenanthrene-d10        | 17.31 | 188  | 522287   | 20.00  | ng    | -0.03     |
| 76) Chrysene-d12            | 21.55 | 240  | 465516   | 20.00  | ng    | -0.04     |
| 87) Perylene-d12            | 24.66 | 264  | 526496   | 20.00  | ng    | -0.06     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.51  | 112  | 335878   | 65.62  | ng    | -0.03     |
| 7) Phenol-d6                | 7.10  | 99   | 266983   | 37.32  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 661702   | 86.76  | ng    | -0.04     |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330  | 418753   | 147.12 | ng    | -0.03     |
| 45) 2-Fluorobiphenyl        | 13.19 | 172  | 1516542  | 101.02 | ng    | -0.04     |
| 79) Terphenyl-d14           | 19.93 | 244  | 1929016  | 106.49 | ng    | -0.03     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.12  | 94   | 16009    | 2.172  | ng    | Qvalue 90 |
| 32) Benzoic acid            | 10.06 | 122  | 2189     | 6.696  | ng    | # 87      |
| 50) Dimethylphthalate       | 14.02 | 163  | 88021    | 4.558  | ng    | # 97      |

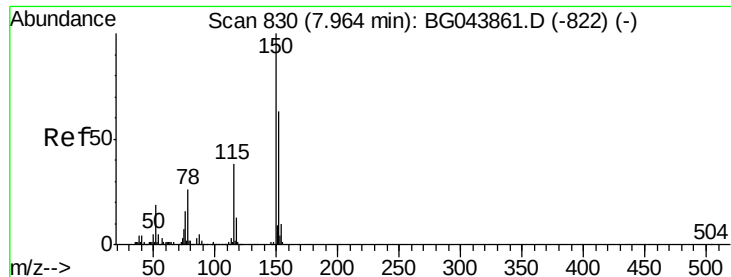
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
Data File : BG044218.D  
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
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20200063-AMENDED-COMP-1

Quant Time: Jan 28 01:08:47 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
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QLast Update : Tue Dec 31 13:32:23 2019  
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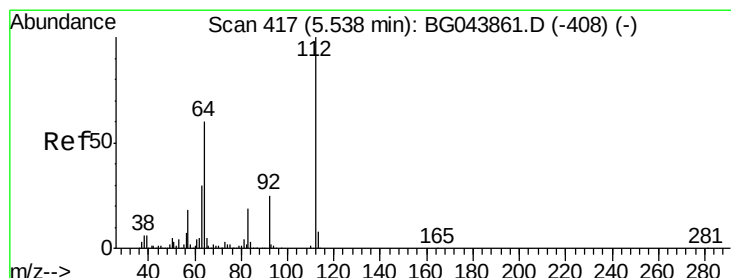
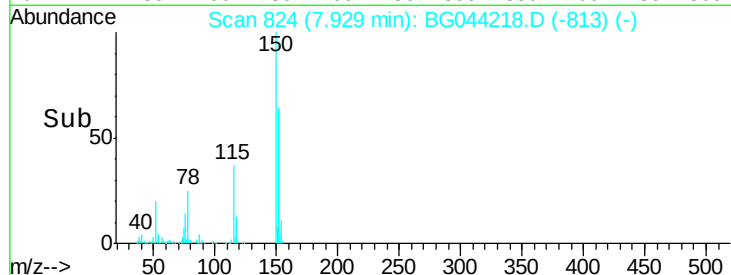
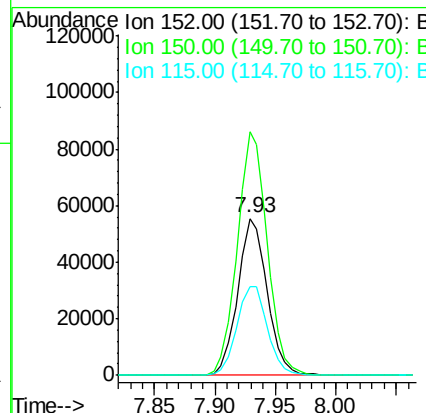
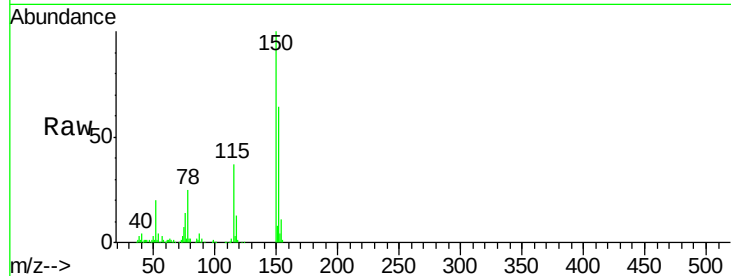


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.04 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

Instrument :  
BNA\_G  
ClientSampleId :  
20200063-AMENDED-COMP-1

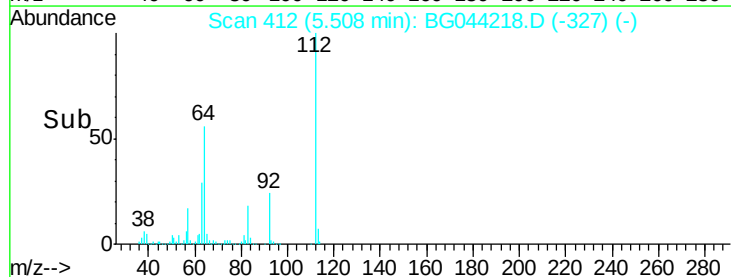
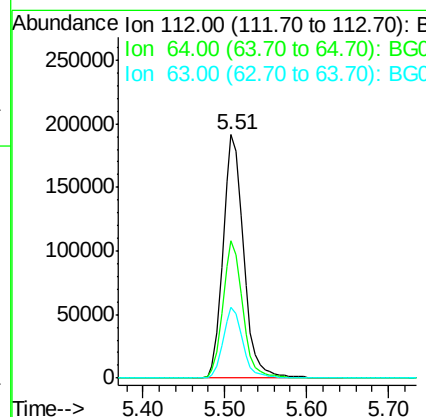
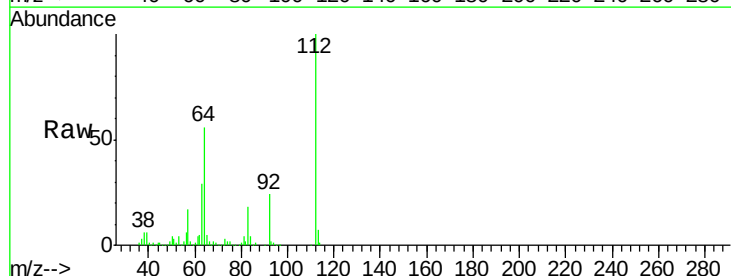
| Tot Ion   | 152   | Resp  | 93980 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 155.5 | 127.0 | 190.4 |
| 115       | 57.0  | 47.8  | 71.8  |

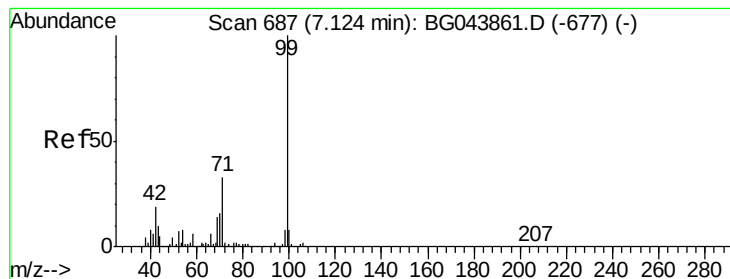


#5

2-Fluorophenol  
Concen: 65.622 ng  
RT: 5.51 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

| Tgt Ion   | 112   | Resp  | 335878 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.2  | 47.8  | 71.6   |
| 63        | 29.2  | 24.3  | 36.5   |





#7

Phenol-d6

Concen: 37.316 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA\_G

ClientSampleId :

20200063-AMENDED-COMP-1

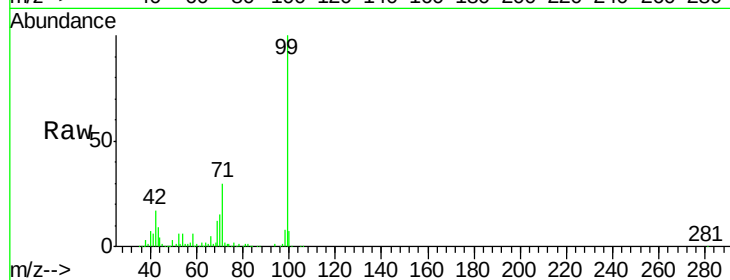
Tot Ion: 99 Resp: 266983

Ion Ratio Lower Upper

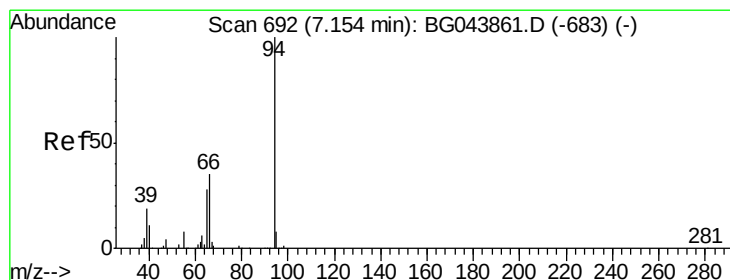
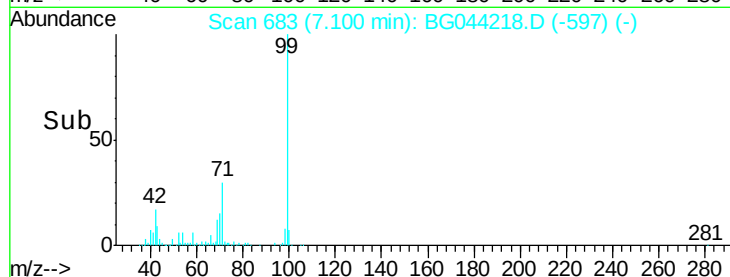
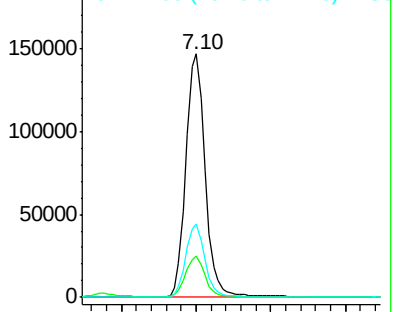
99 100

42 16.8 14.9 22.3

71 30.1 26.4 39.6



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



#10

Phenol

Concen: 2.172 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

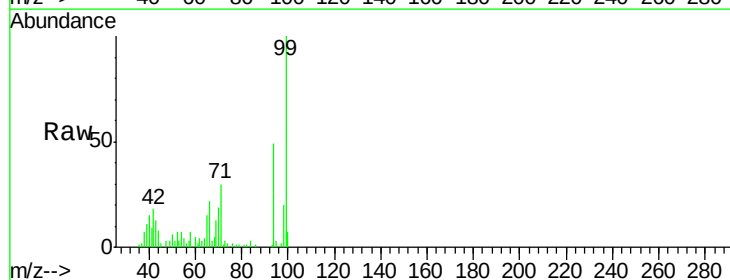
Tgt Ion: 94 Resp: 16009

Ion Ratio Lower Upper

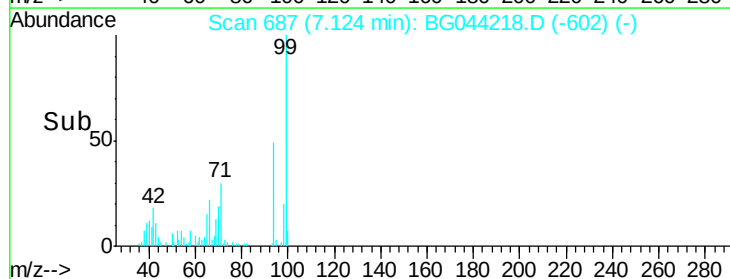
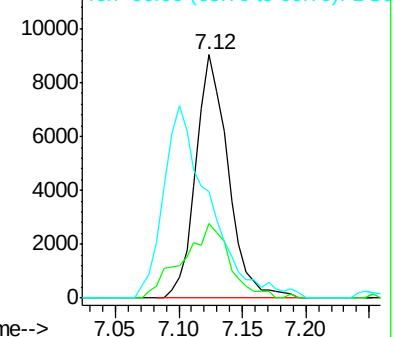
94 100

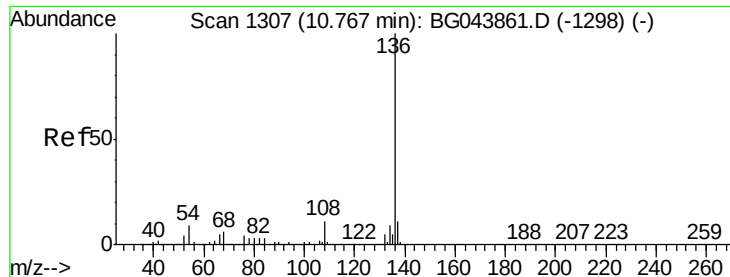
65 30.8 8.1 48.1

66 43.7 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

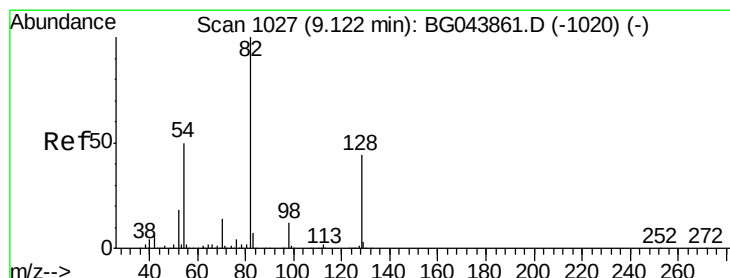
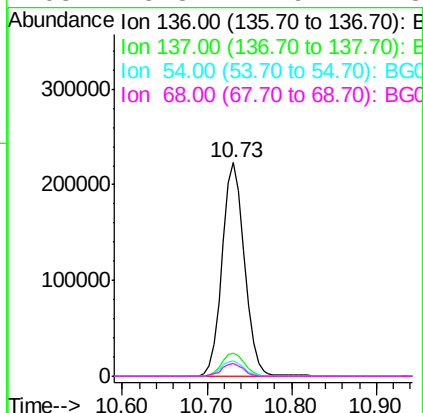
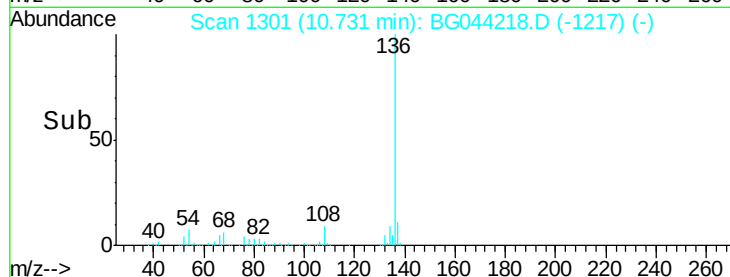
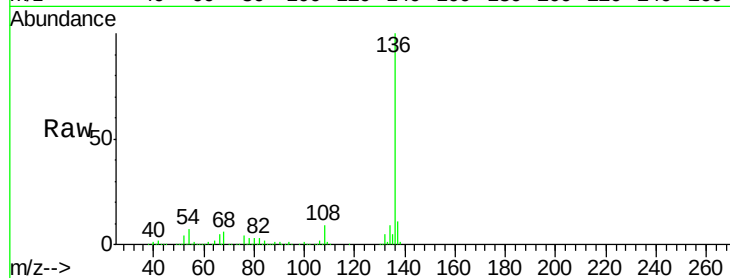




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.04 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

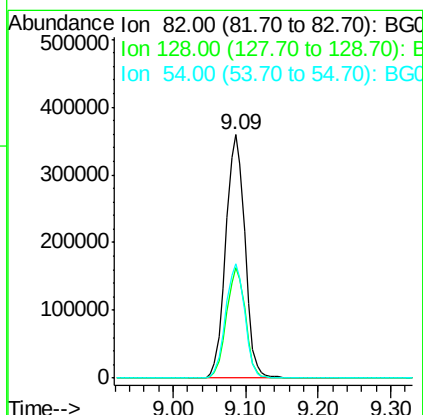
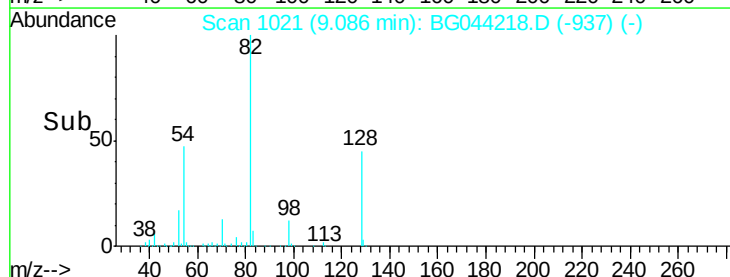
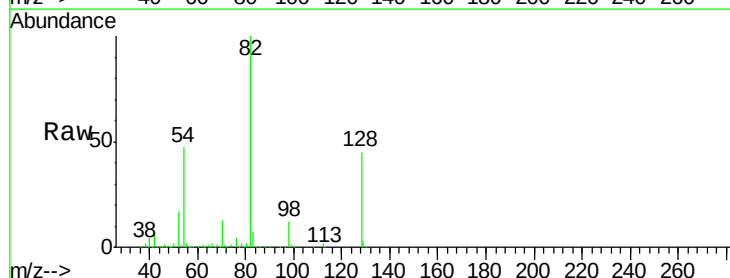
Instrument :  
BNA\_G  
ClientSampleId :  
20200063-AMENDED-COMP-1

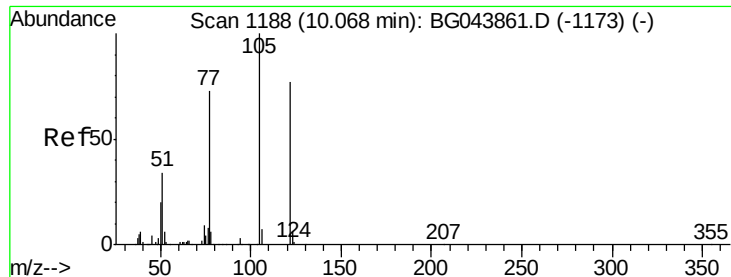
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 407999 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.9    | 8.8   | 13.2   |  |
| 54 7.5      | 7.0   | 10.4   |  |
| 68 5.8      | 4.9   | 7.3    |  |



#23  
Nitrobenzene-d5  
Concen: 86.761 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.04 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 661702 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 45.4    | 35.1  | 52.7   |
| 54  | 46.9    | 40.1  | 60.1   |

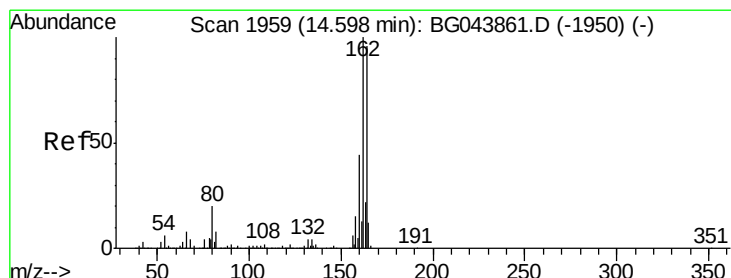
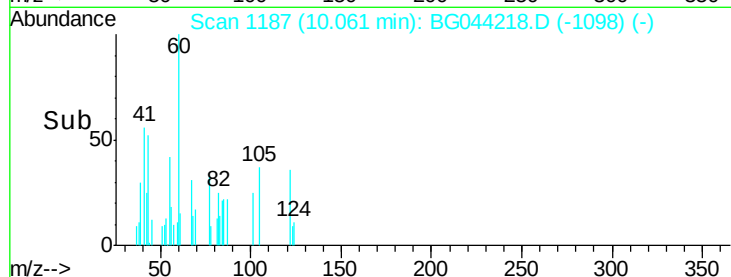
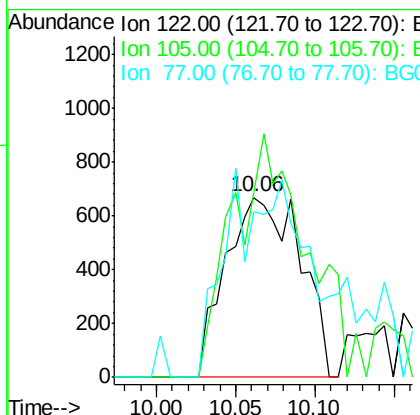
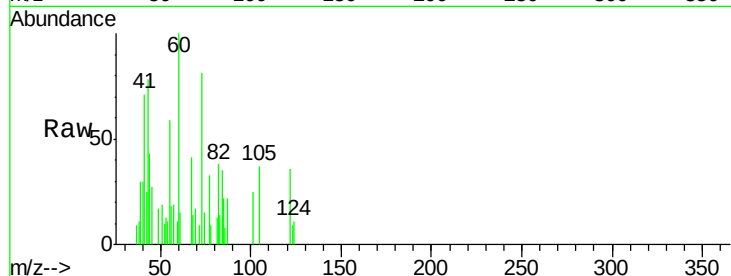




#32  
Benzoic acid  
Concen: 6.696 ng  
RT: 10.06 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

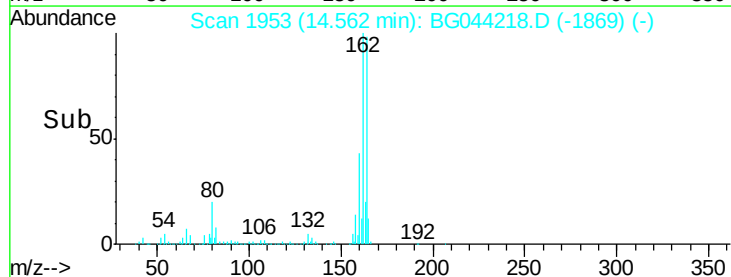
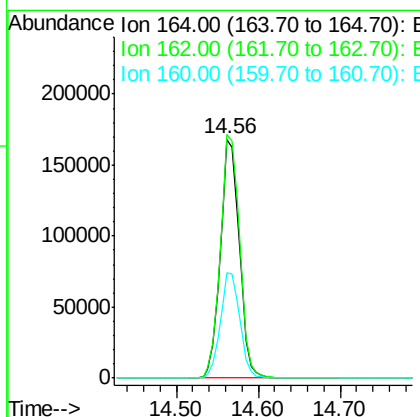
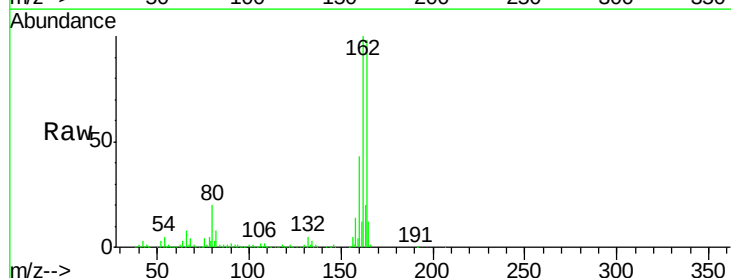
Instrument :  
BNA\_G  
ClientSampleId :  
20200063-AMENDED-COMP-1

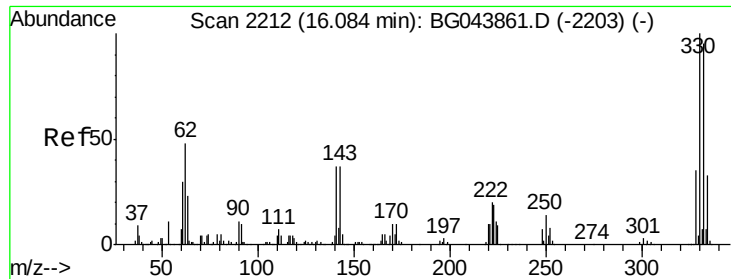
Tot Ion:122 Resp: 2189  
Ion Ratio Lower Upper  
122 100  
105 102.8 106.4 146.4#  
77 92.2 74.6 114.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. -0.04 min  
Lab File: BG044218.D  
Acq: 27 Jan 2020 16:51

Tgt Ion:164 Resp: 271999  
Ion Ratio Lower Upper  
164 100  
162 102.0 83.0 124.4  
160 44.1 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 147.116 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA\_G

ClientSampleId :

20200063-AMENDED-COMP-1

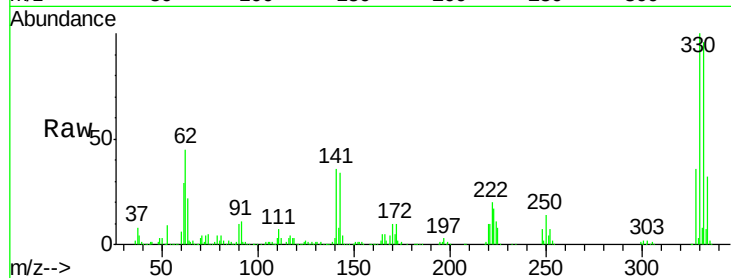
Tot Ion:330 Resp: 418753

Ion Ratio Lower Upper

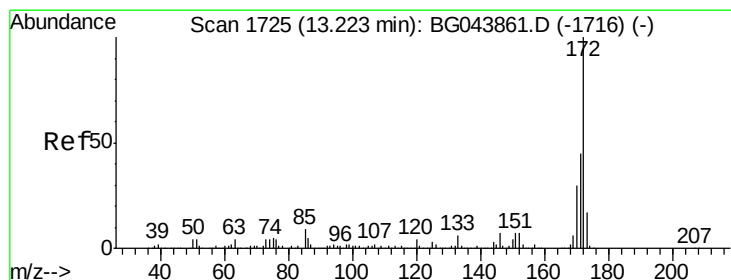
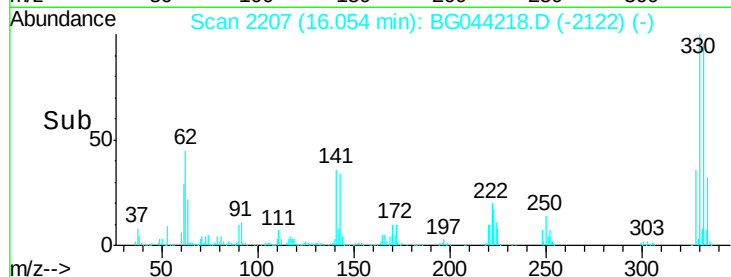
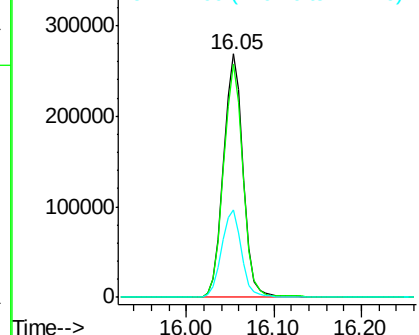
330 100

332 95.8 77.2 115.8

141 36.6 33.1 49.7



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: 101.016 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.04 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

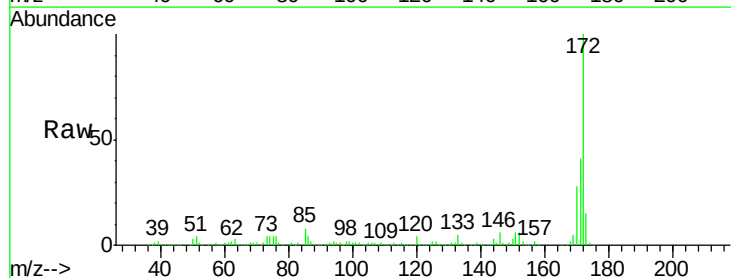
Tgt Ion:172 Resp: 1516542

Ion Ratio Lower Upper

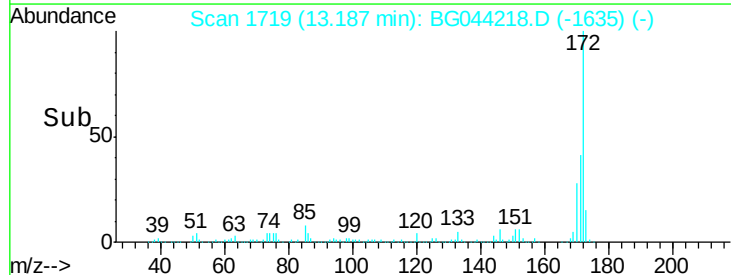
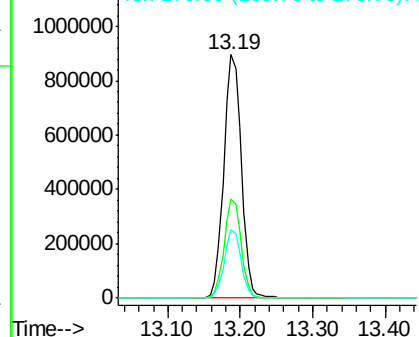
172 100

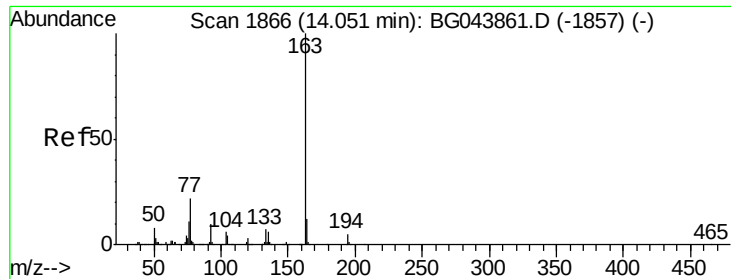
171 40.5 35.8 53.8

170 27.9 24.2 36.4



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.558 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA\_G

ClientSampleId :

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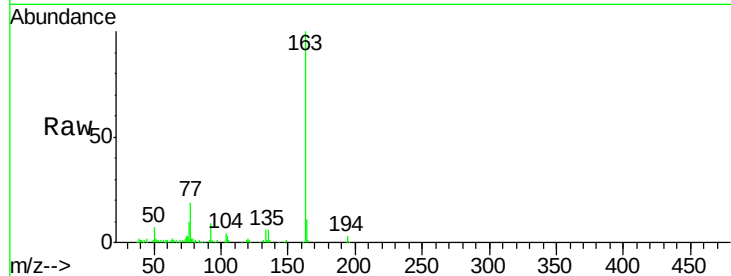
Tot Ion:163 Resp: 88021

Ion Ratio Lower Upper

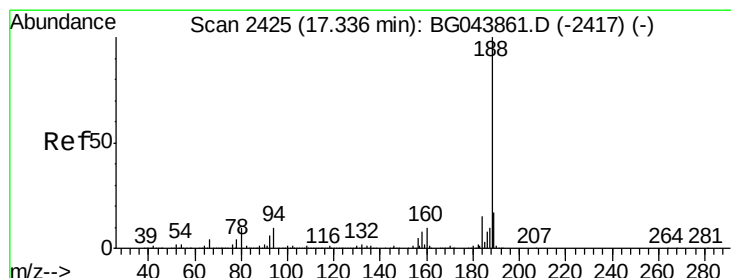
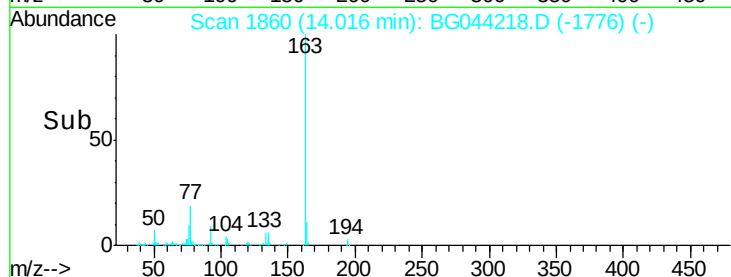
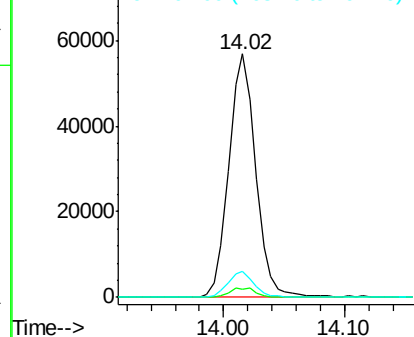
163 100

194 3.3 3.7 5.5#

164 10.7 9.3 13.9



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: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

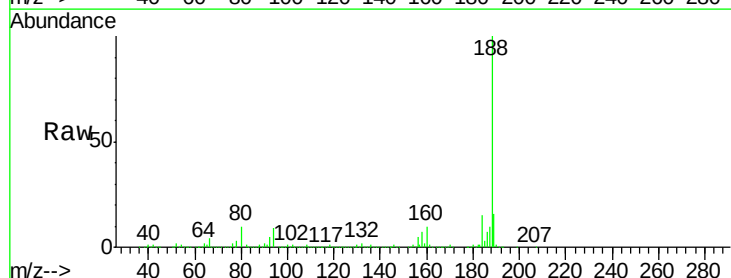
Tgt Ion:188 Resp: 522287

Ion Ratio Lower Upper

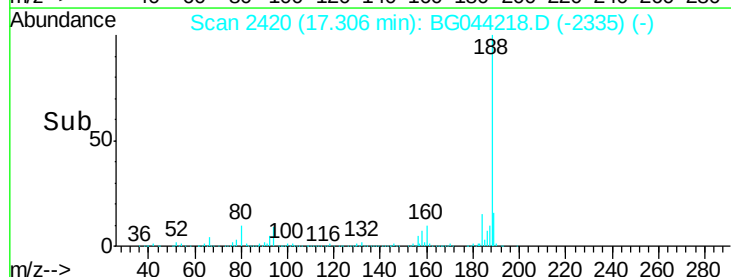
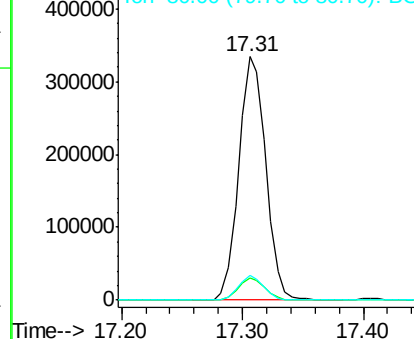
188 100

94 9.2 7.9 11.9

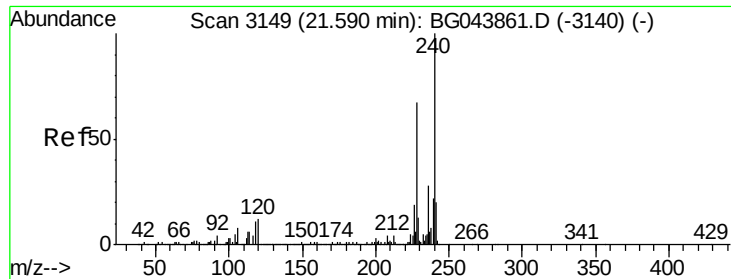
80 10.2 8.2 12.4



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: 21.55 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA\_G

ClientSampleId :

20200063-AMENDED-COMP-1

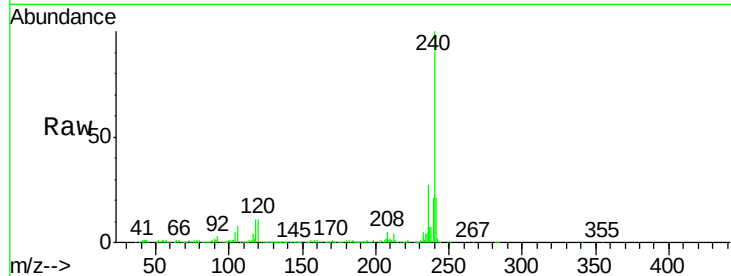
Tot Ion:240 Resp: 465516

Ion Ratio Lower Upper

240 100

120 11.3 9.6 14.4

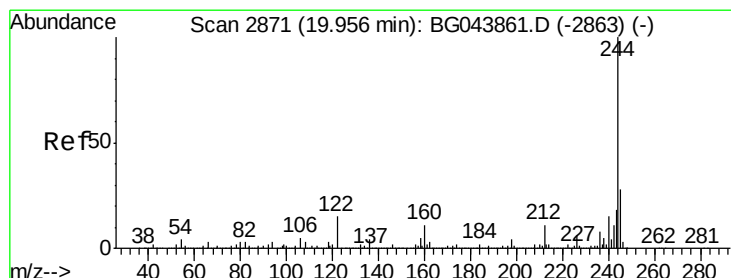
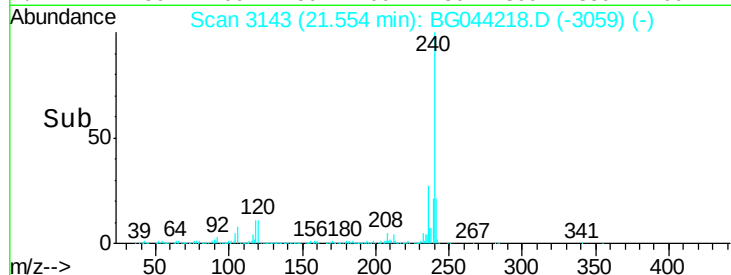
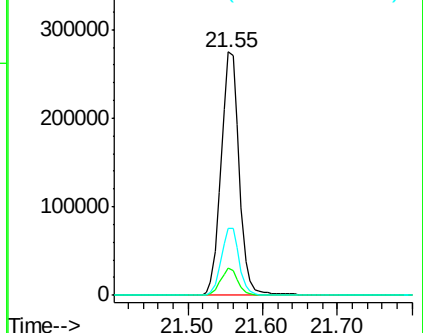
236 27.3 22.2 33.2



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: 106.493 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

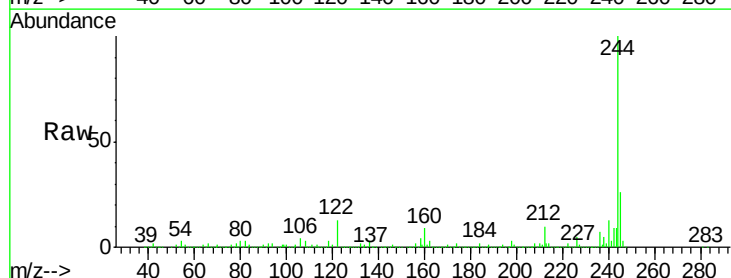
Tgt Ion:244 Resp: 1929016

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

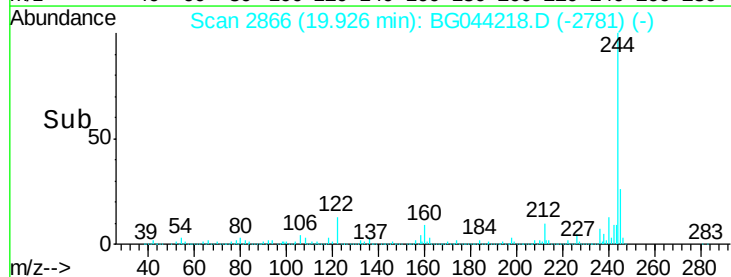
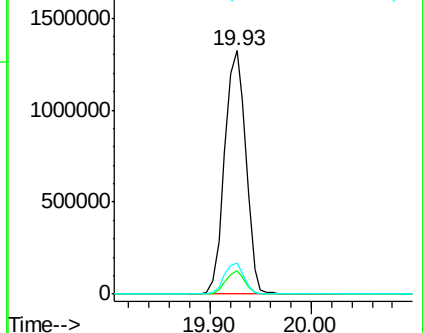
122 12.5 11.9 17.9

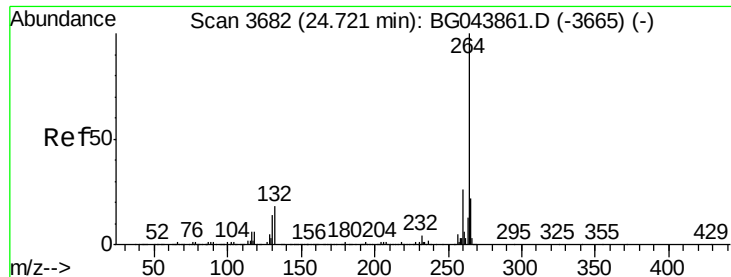


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

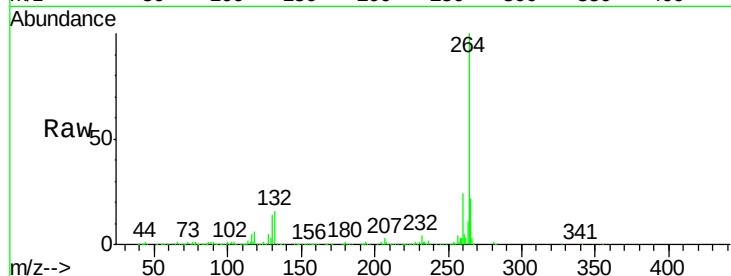




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.66 min Scan# 3672  
 Delta R.T. -0.06 min  
 Lab File: BG044218.D  
 Acq: 27 Jan 2020 16:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20200063-AMENDED-COMP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 20.4  | 30.6  |
| 265     | 21.9  | 17.4  | 26.2  |



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

