

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032221\  
 Data File : BG048466.D  
 Acq On : 23 Mar 2021 6:43  
 Operator : CG/JU  
 Sample : M1709-02 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PSHQ-SOIL

Quant Time: Mar 23 07:19:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 22 11:22:24 2021  
 Response via : Initial Calibration

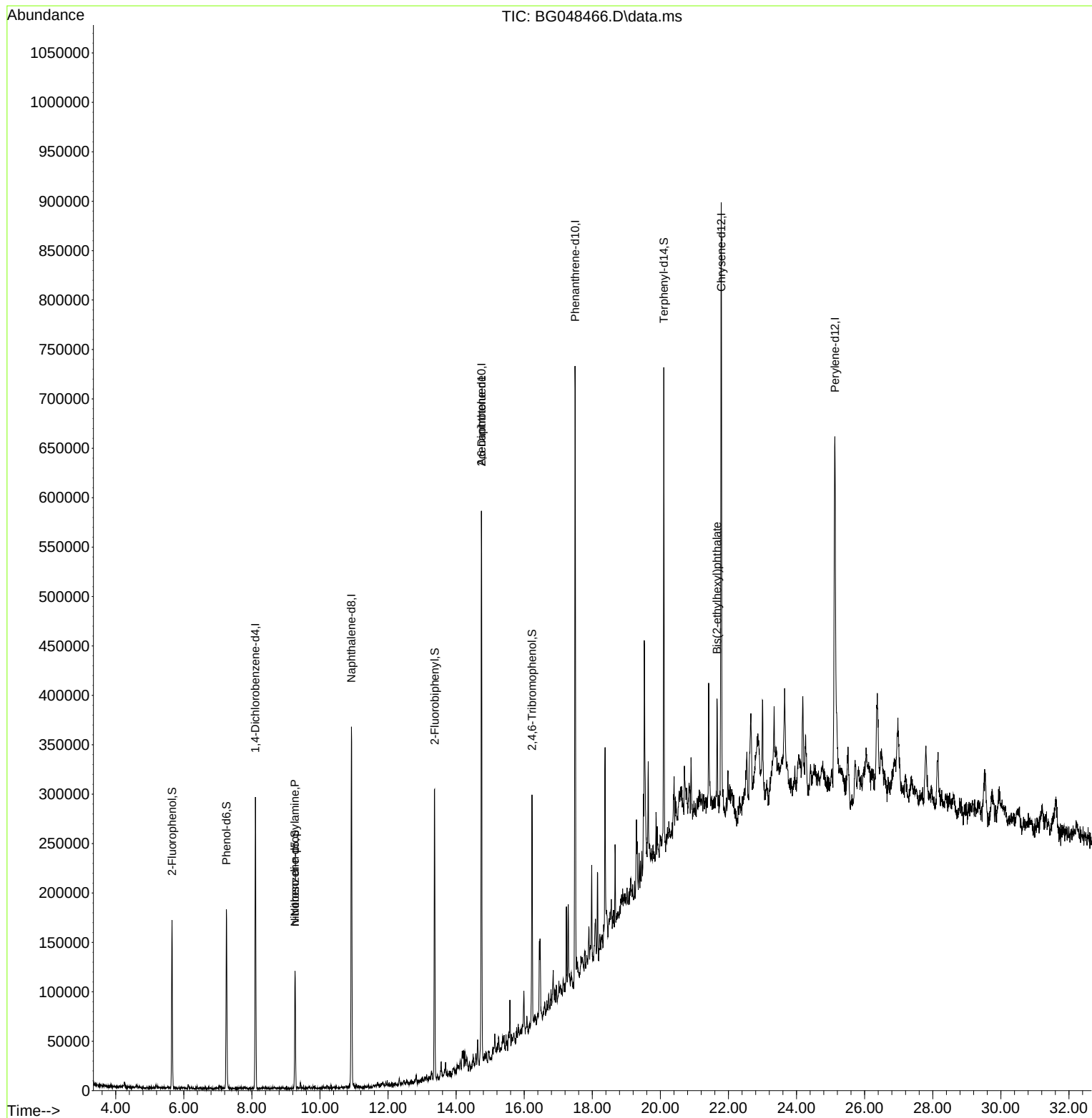
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.104  | 152  | 75193    | 20.00     | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.924 | 136  | 282485   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.743 | 164  | 198581   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.493 | 188  | 405205   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.788 | 240  | 395241   | 20.00     | ng    | # 0.00   |
| 86) Perylene-d12              | 25.125 | 264  | 406388   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.654  | 112  | 65247    | 14.35     | ng    | 0.00     |
| 7) Phenol-d6                  | 7.252  | 99   | 92834    | 14.03     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.267  | 82   | 70370    | 9.96      | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.230 | 330  | 44558    | 13.80     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.369 | 172  | 151965   | 11.01     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.102 | 244  | 217525   | 9.93      | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 9) Benzaldehyde               | 7.217  | 77   | 62       | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 9.267  | 70   | 10833    | 2.21      | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.743 | 165  | 27543    | 7.92      | ng    | # 33     |
| 84) Bis(2-ethylhexyl)phtha... | 21.665 | 149  | 40071    | 3.01      | ng    | 95       |
| -----                         |        |      |          |           |       |          |

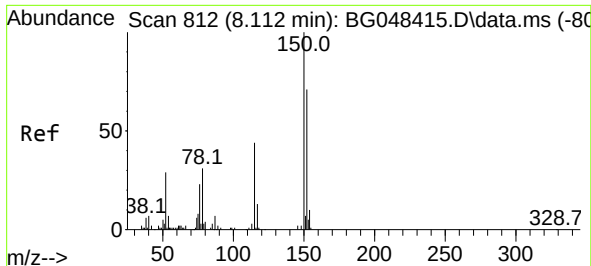
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

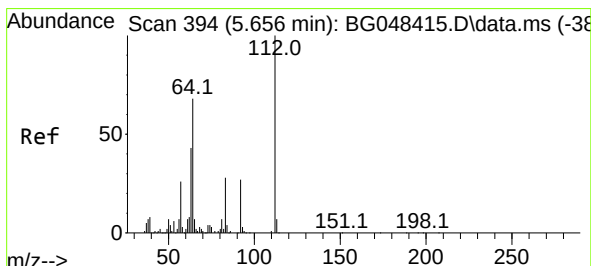
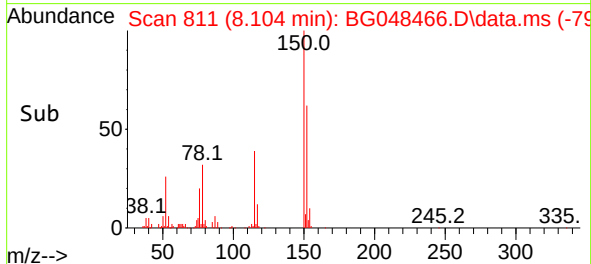
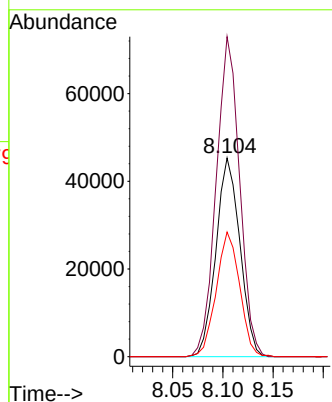
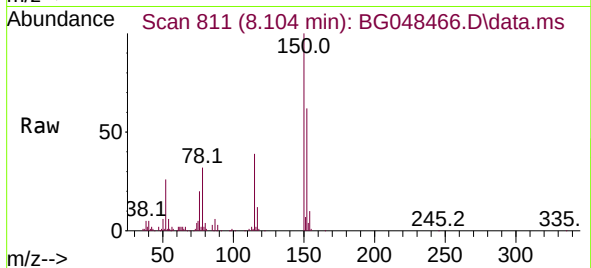




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.104 min Scan# 811  
Delta R.T. 0.001 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

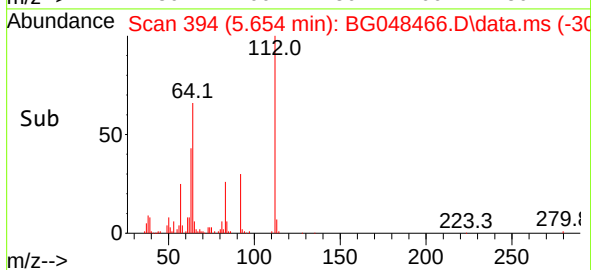
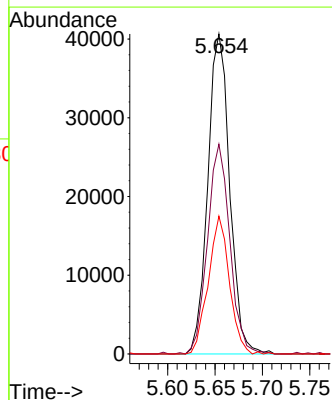
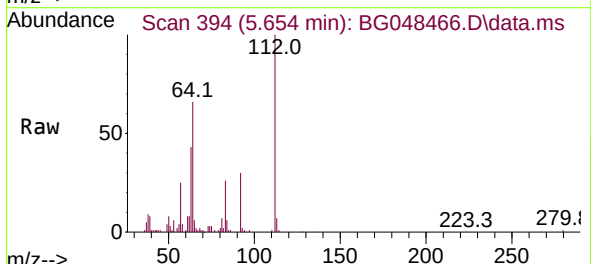
Instrument :  
BNA\_G  
ClientSampled :  
PSHQ-SOIL

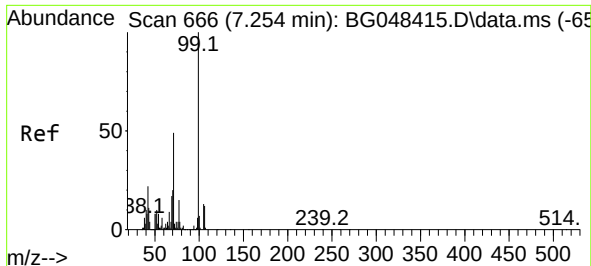
Tgt Ion:152 Resp: 75193  
Ion Ratio Lower Upper  
152 100  
150 161.0 125.0 187.6  
115 62.7 41.8 62.6#



#5  
2-Fluorophenol  
Concen: 14.35 ng  
RT: 5.654 min Scan# 394  
Delta R.T. 0.007 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion:112 Resp: 65247  
Ion Ratio Lower Upper  
112 100  
64 65.5 46.7 70.1  
63 43.1 22.8 34.2#

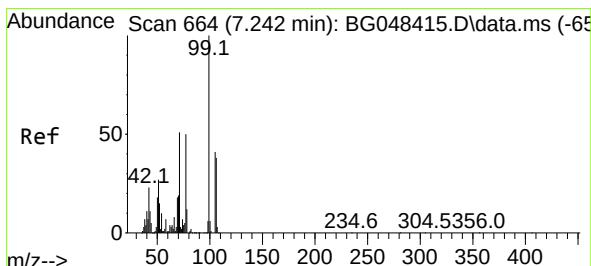
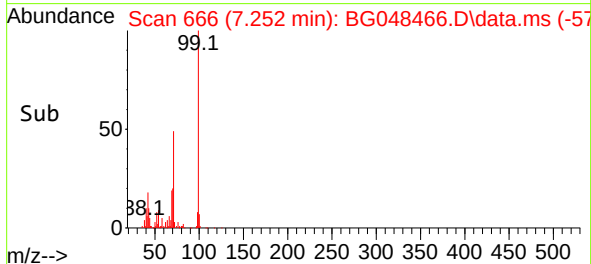
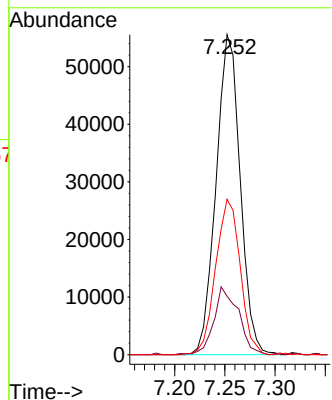
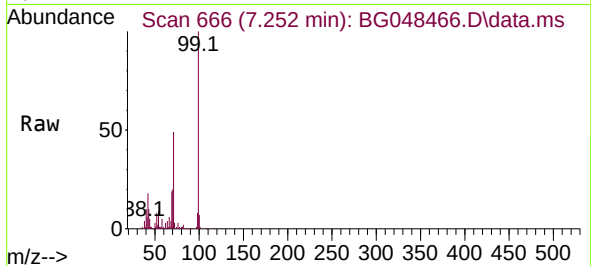




#7  
Phenol-d6  
Concen: 14.03 ng  
RT: 7.252 min Scan# 666  
Delta R.T. 0.001 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

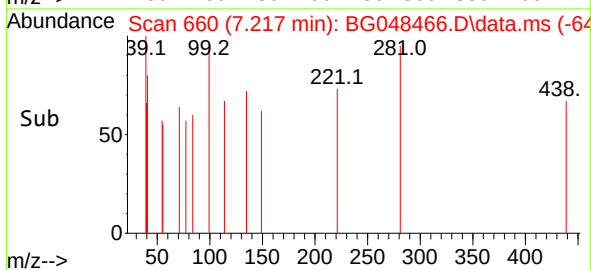
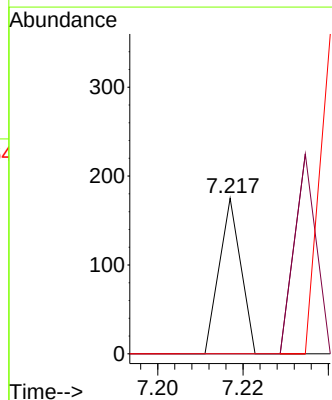
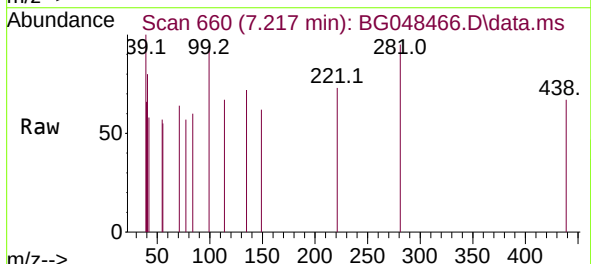
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BNA\_G  
ClientSampleId :  
PSHQ-SOIL

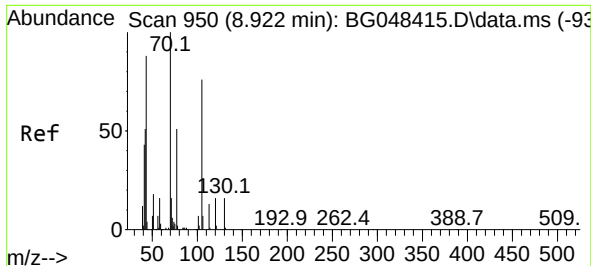
Tgt Ion: 99 Resp: 92834  
Ion Ratio Lower Upper  
99 100  
42 18.3 12.8 19.2  
71 48.6 24.6 36.8#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.217 min Scan# 660  
Delta R.T. -0.022 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion: 77 Resp: 62  
Ion Ratio Lower Upper  
77 100  
105 0.0 85.9 125.9#  
106 0.0 80.9 120.9#

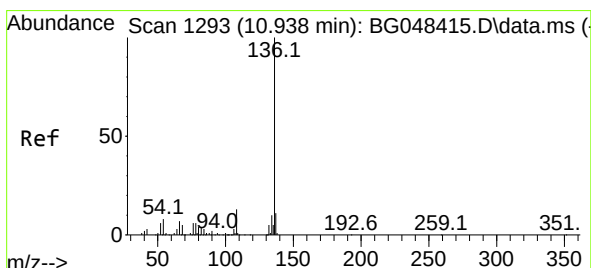
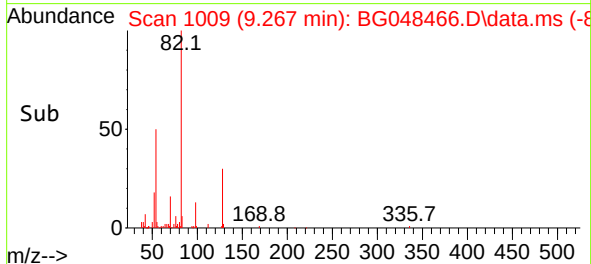
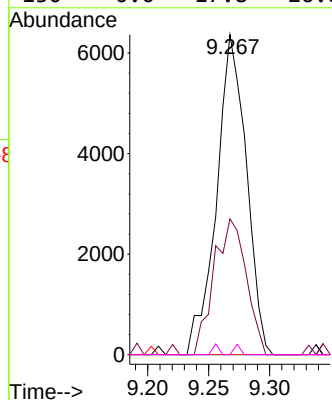
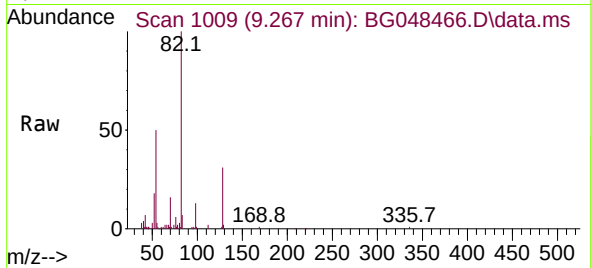




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.21 ng  
RT: 9.267 min Scan# 1009  
Delta R.T. 0.354 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

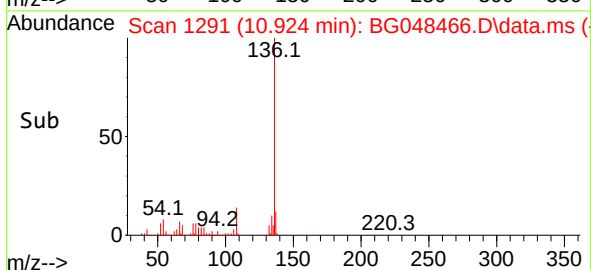
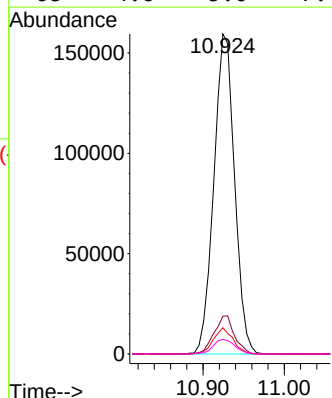
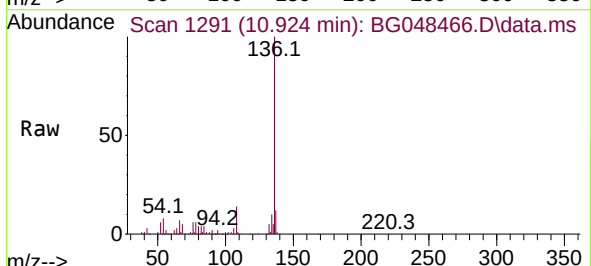
Instrument :  
BNA\_G  
ClientSampled :  
PSHQ-SOIL

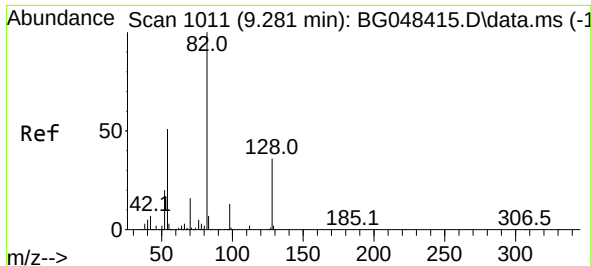
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 10833 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 42.5     | 45.6 68.4#  |
| 101 0.0     | 8.4 12.6#   |
| 130 0.0     | 17.8 26.8#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.924 min Scan# 1291  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

|              |              |
|--------------|--------------|
| Tgt Ion: 136 | Resp: 282485 |
| Ion Ratio    | Lower Upper  |
| 136 100      |              |
| 137 11.8     | 9.1 13.7     |
| 54 8.2       | 6.2 9.4      |
| 68 4.6       | 5.0 7.4#     |

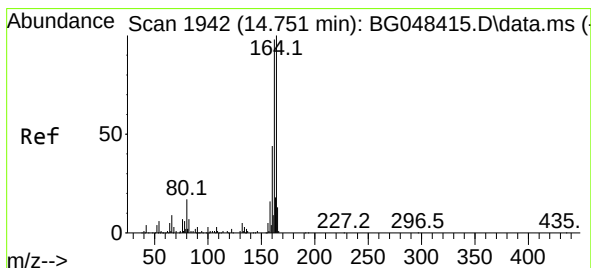
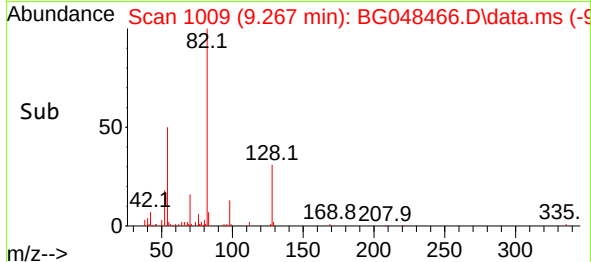
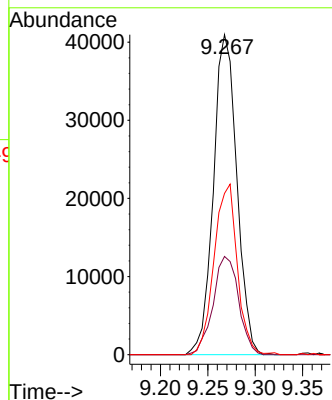
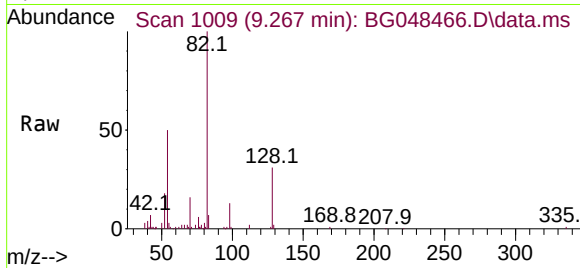




#23  
Nitrobenzene-d5  
Concen: 9.96 ng  
RT: 9.267 min Scan# 1009  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

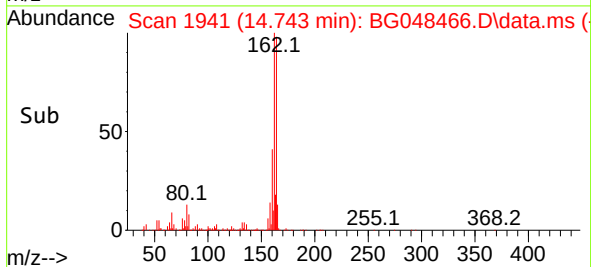
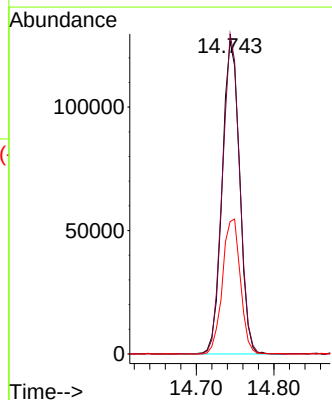
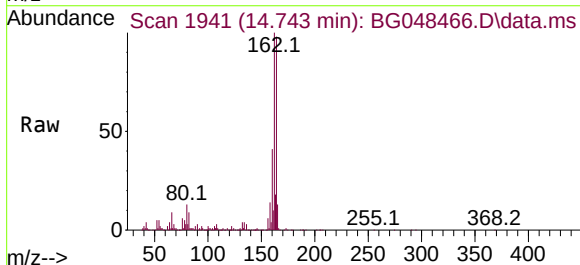
Instrument :  
BNA\_G  
ClientSampleId :  
PSHQ-SOIL

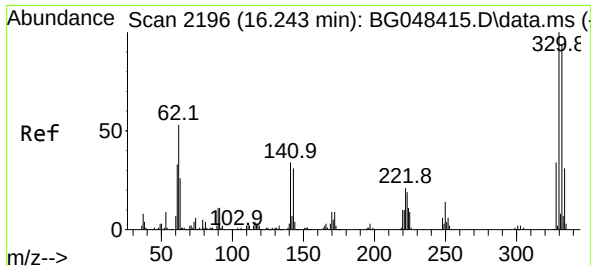
Tgt Ion: 82 Resp: 70370  
Ion Ratio Lower Upper  
82 100  
128 30.7 37.0 55.6#  
54 50.4 39.0 58.4



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.743 min Scan# 1941  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion: 164 Resp: 198581  
Ion Ratio Lower Upper  
164 100  
162 102.3 82.3 123.5  
160 42.4 35.3 52.9

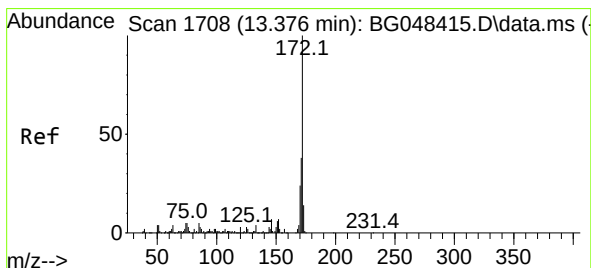
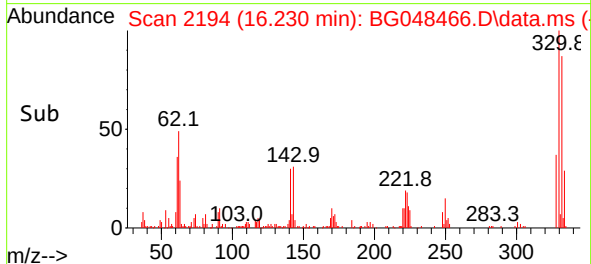
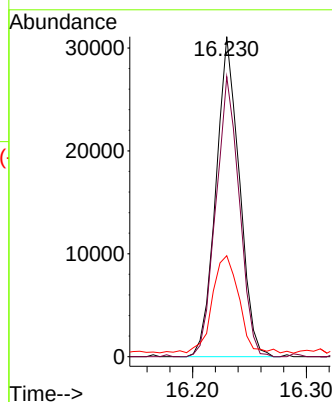
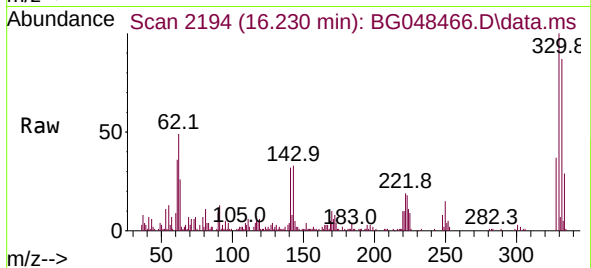




#42  
2,4,6-Tribromophenol  
Concen: 13.80 ng  
RT: 16.230 min Scan# 2194  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

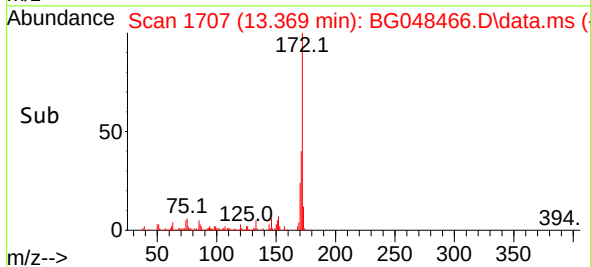
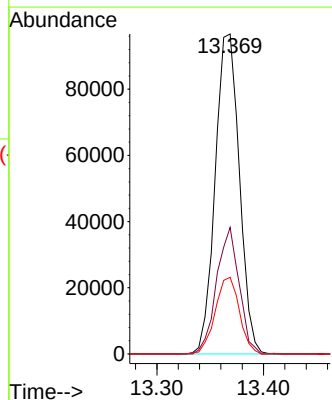
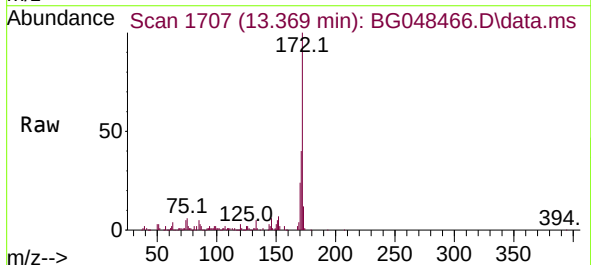
Instrument :  
BNA\_G  
ClientSampleId :  
PSHQ-SOIL

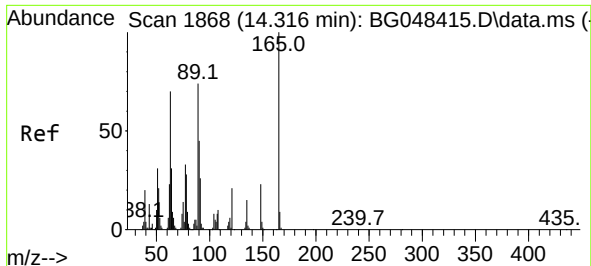
Tgt Ion:330 Resp: 44558  
Ion Ratio Lower Upper  
330 100  
332 87.2 76.5 114.7  
141 35.1 26.0 39.0



#45  
2-Fluorobiphenyl  
Concen: 11.01 ng  
RT: 13.369 min Scan# 1707  
Delta R.T. 0.001 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion:172 Resp: 151965  
Ion Ratio Lower Upper  
172 100  
171 39.5 31.3 46.9  
170 24.0 20.8 31.2

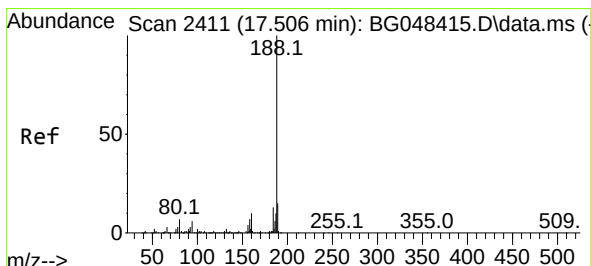
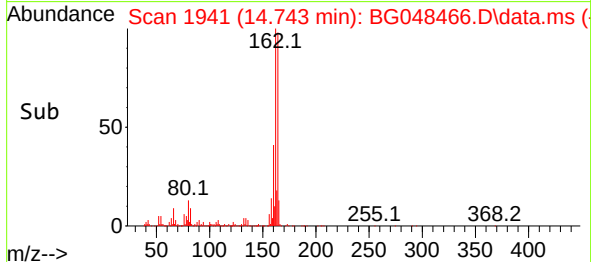
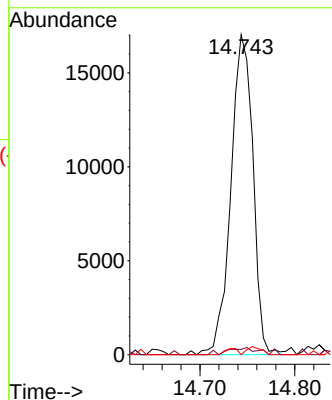
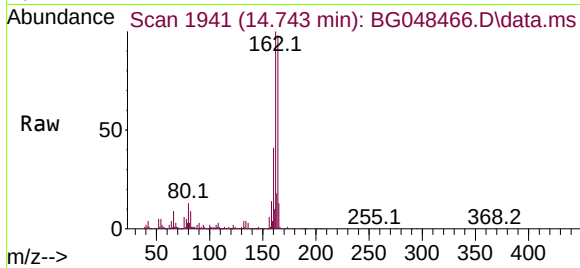




#51  
2,6-Dinitrotoluene  
Concen: 7.92 ng  
RT: 14.743 min Scan# 1941  
Delta R.T. 0.430 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

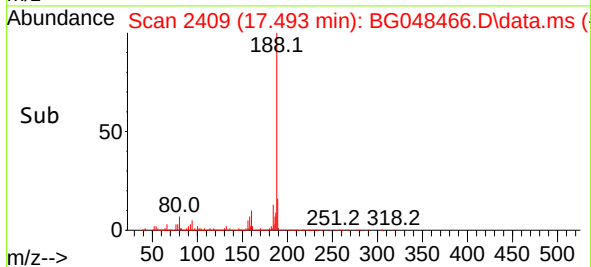
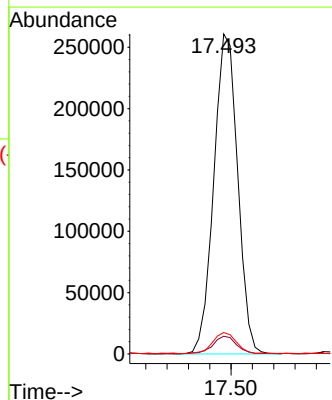
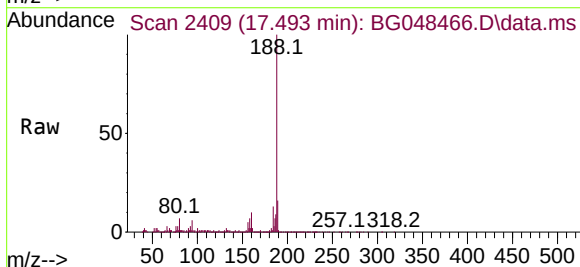
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BNA\_G  
ClientSampled :  
PSHQ-SOIL

Tgt Ion:165 Resp: 27543  
Ion Ratio Lower Upper  
165 100  
63 1.7 33.7 50.5#  
89 0.0 36.6 54.8#

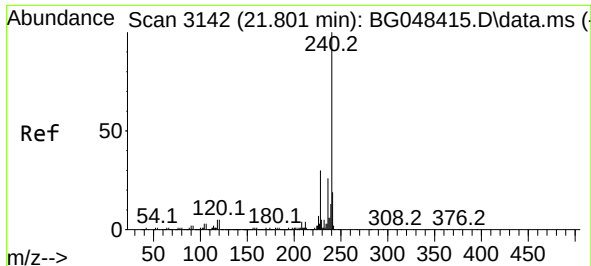


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.493 min Scan# 2409  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion:188 Resp: 405205  
Ion Ratio Lower Upper  
188 100  
94 5.6 6.3 9.5#  
80 6.7 7.0 10.6#



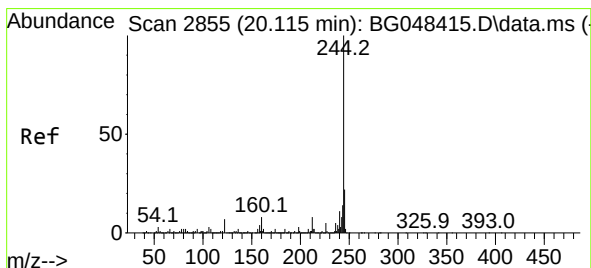
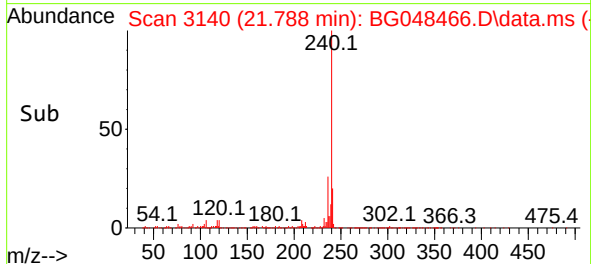
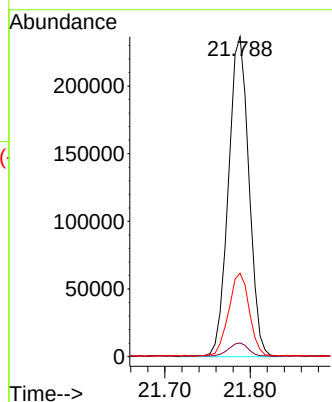
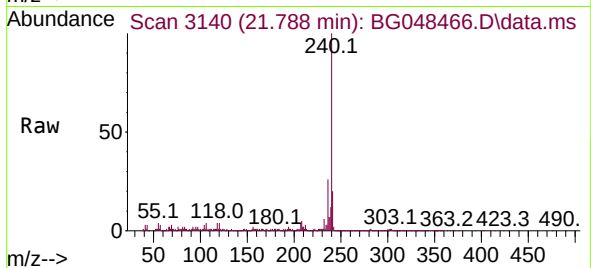




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.788 min Scan# 3140  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

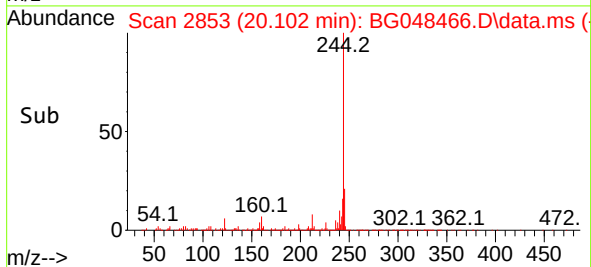
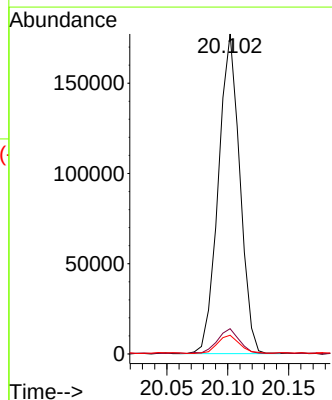
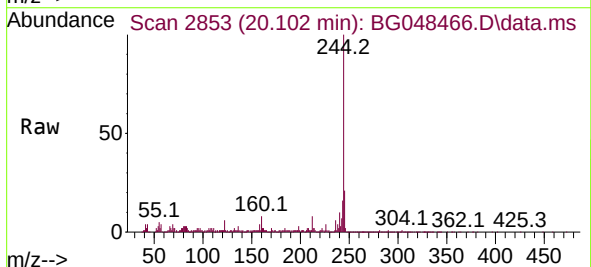
Instrument :  
BNA\_G  
ClientSampleId :  
PSHQ-SOIL

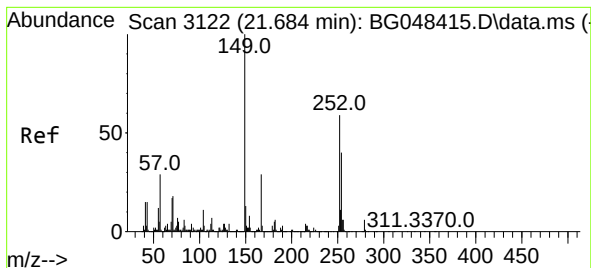
Tgt Ion:240 Resp: 395241  
Ion Ratio Lower Upper  
240 100  
120 4.3 6.2 9.4#  
236 26.1 20.5 30.7



#79  
Terphenyl-d14  
Concen: 9.93 ng  
RT: 20.102 min Scan# 2853  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion:244 Resp: 217525  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.7 10.1  
122 5.8 7.8 11.6#

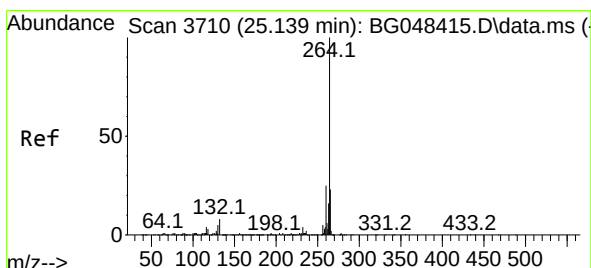
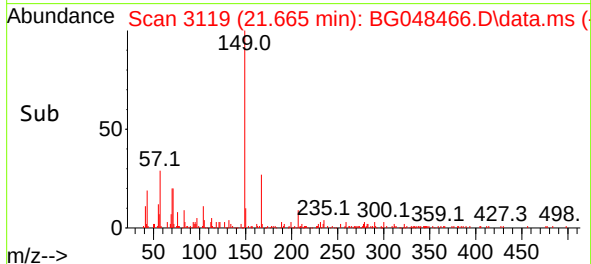
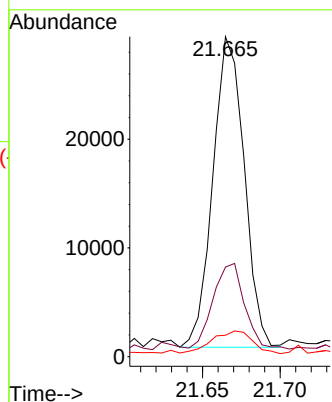
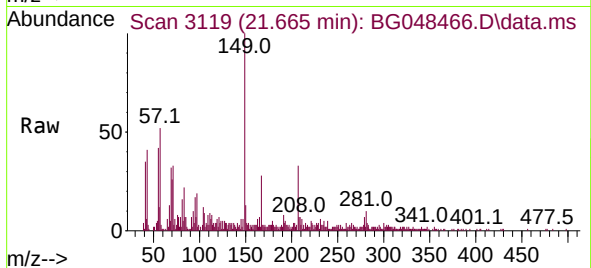




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.01 ng  
RT: 21.665 min Scan# 3119  
Delta R.T. -0.004 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Instrument :  
BNA\_G  
ClientSampleId :  
PSHQ-SOIL

Tgt Ion:149 Resp: 40071  
Ion Ratio Lower Upper  
149 100  
167 28.0 24.8 37.2  
279 6.7 4.6 7.0



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.125 min Scan# 3708  
Delta R.T. 0.001 min  
Lab File: BG048466.D  
Acq: 23 Mar 2021 6:43

Tgt Ion:264 Resp: 406388  
Ion Ratio Lower Upper  
264 100  
260 26.9 18.8 28.2  
265 24.7 17.8 26.8

