

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032018\  
 Data File : BG033278.D  
 Acq On : 20 Mar 2018 22:57  
 Operator : SJ/JU  
 Sample : J1760-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-031918

Manual Integrations  
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 3/22/2018 12:59:43 PM

Quant Time: Mar 21 14:25:57 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 19 16:48:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.89  | 152  | 37203    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.78 | 136  | 152378   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.51 | 164  | 118841   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.24 | 188  | 319672   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.60 | 240  | 337108   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.40 | 264  | 348529   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.31  | 112  | 292932   | 147.64 | ng    | 0.00     |
| 7) Phenol-d6                | 7.99  | 99   | 405418   | 118.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.09 | 82   | 326058   | 98.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.98 | 330  | 274788   | 154.60 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.14 | 172  | 802965   | 97.54  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.76 | 244  | 1593307  | 101.08 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.84 | 128  | 17382m   | 2.201  | ng    | Qvalue   |

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

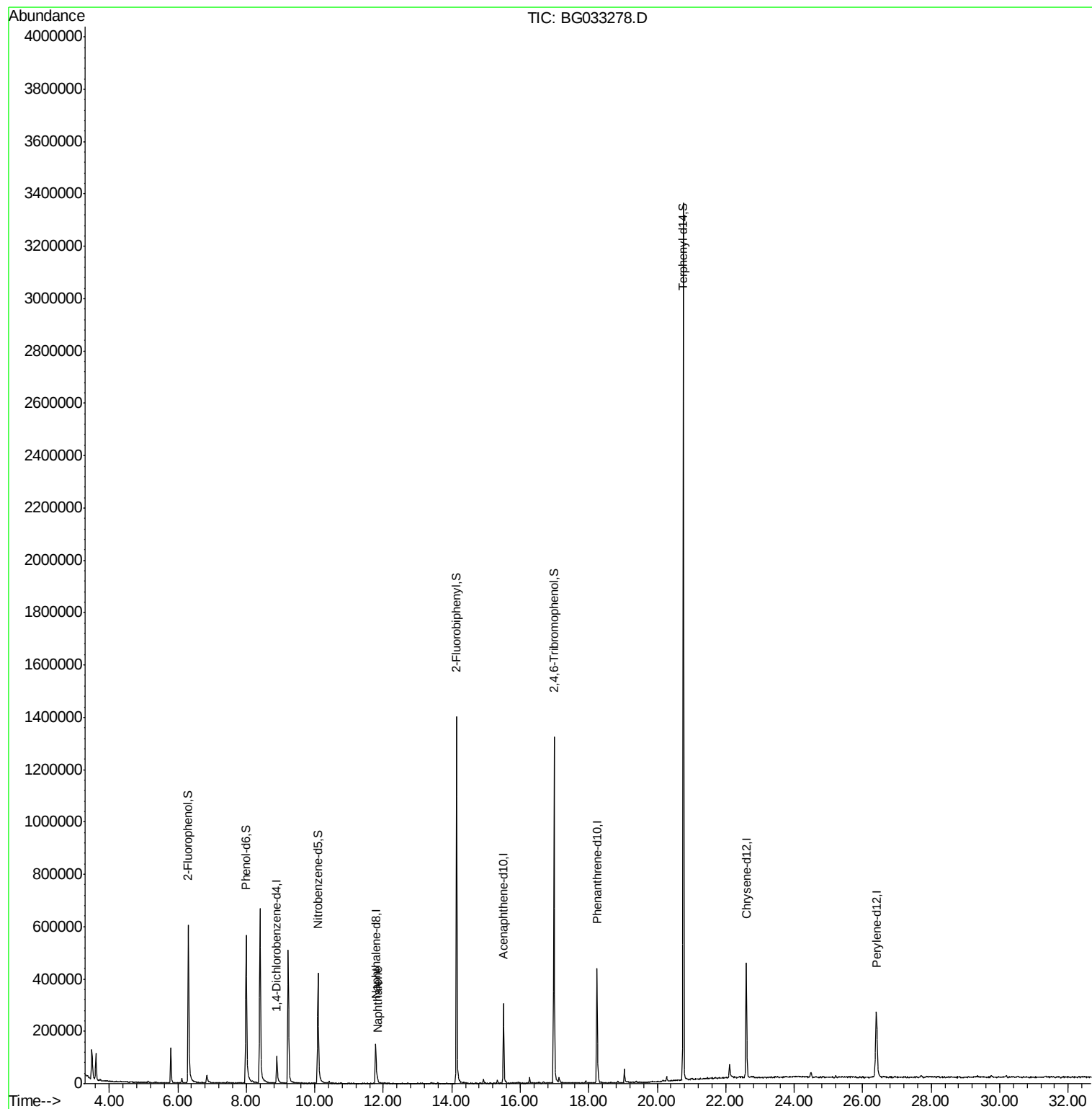
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032018\  
Data File : BG033278.D  
Acq On : 20 Mar 2018 22:57  
Operator : SJ/JU  
Sample : J1760-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

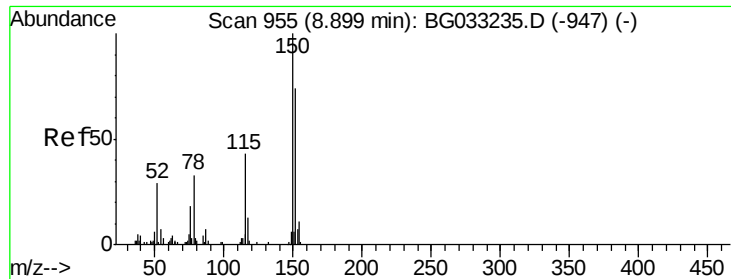
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-031918

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Quant Time: Mar 21 14:25:57 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

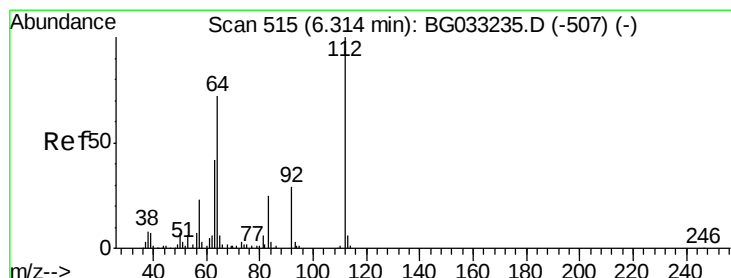
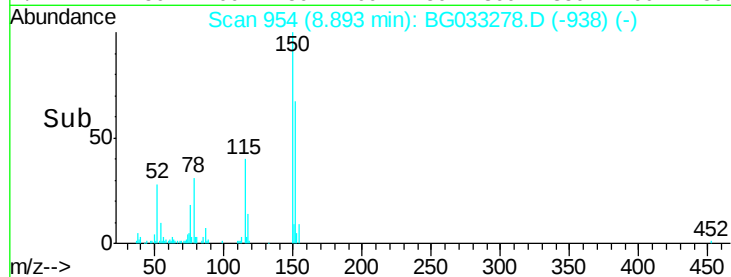
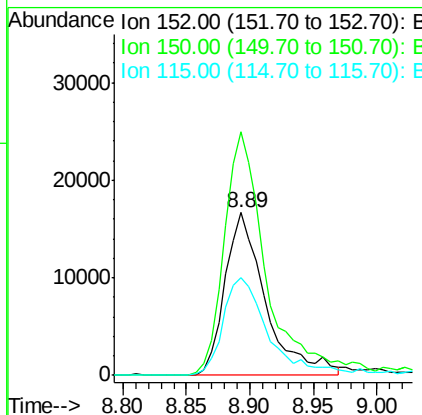
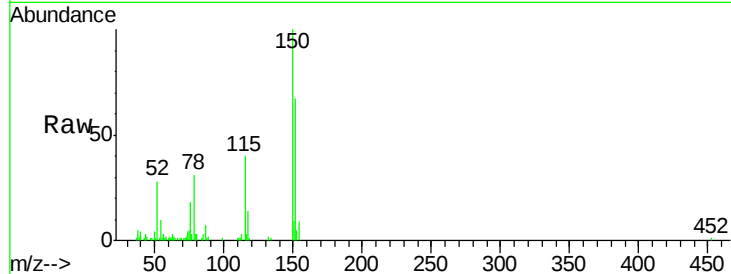
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: BG033278.D  
Acq: 20 Mar 2018 22:57

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-031918

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.8 | 126.6 | 189.8 |
| 115     | 59.9  | 53.0  | 79.4  |

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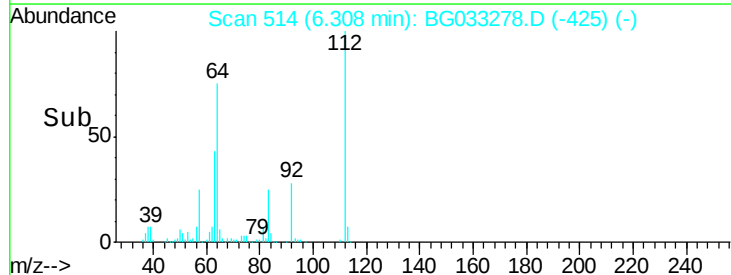
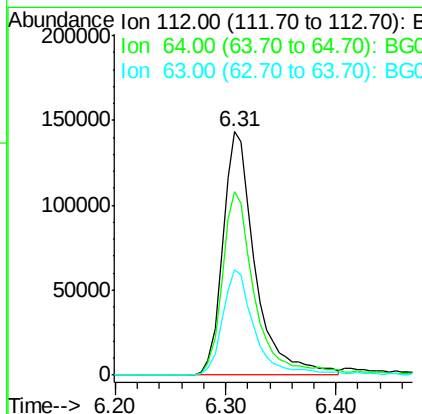
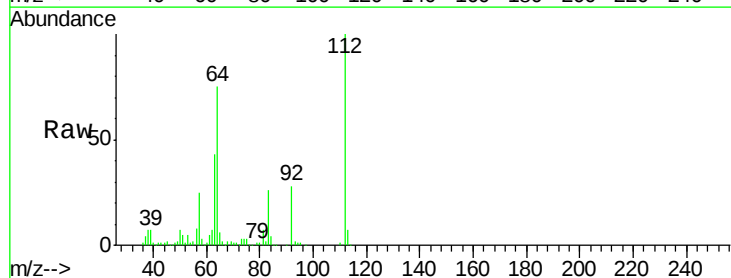
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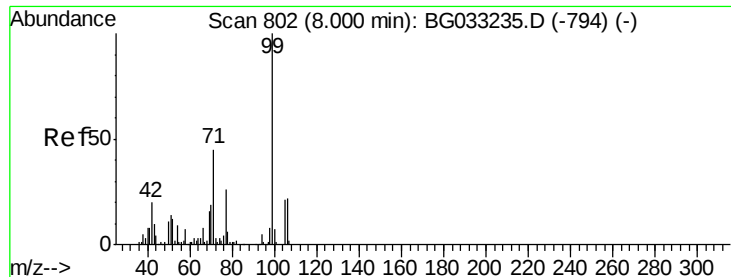


#5

2-Fluorophenol  
Concen: 147.645 ng  
RT: 6.31 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: BG033278.D  
Acq: 20 Mar 2018 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 75.2  | 56.3  | 84.5  |
| 63      | 43.5  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 118.927 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

Instrument :

BNA\_G

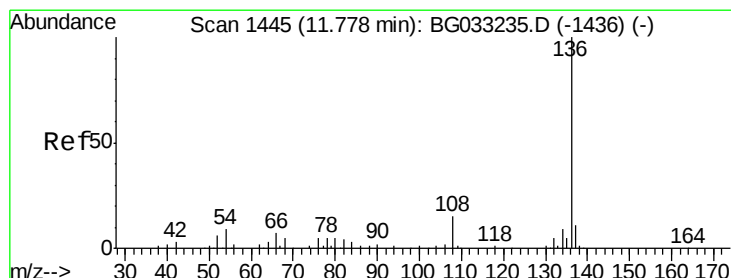
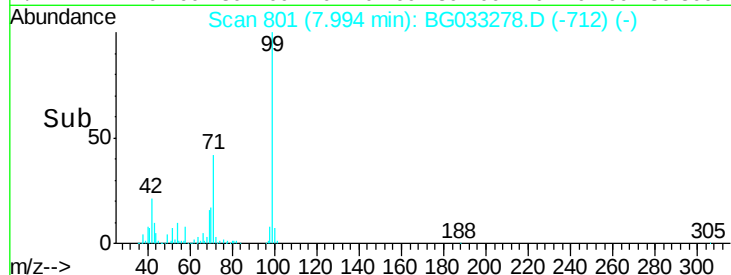
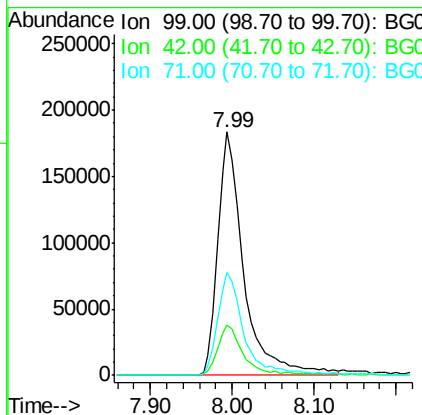
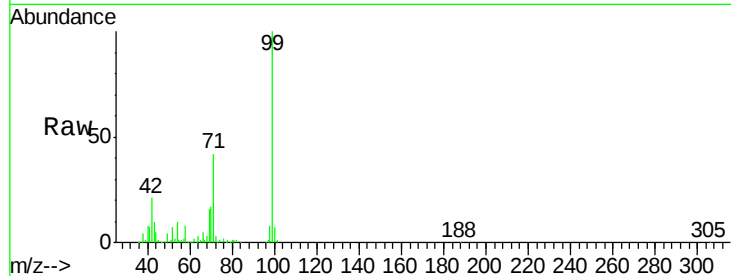
ClientSampleId :

SU-03-031918

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 405418 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.9  | 14.1  | 21.1   |
| 71        | 42.3  | 26.1  | 39.1#  |

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#21

Naphthalene-d8

Concen: 20.000 ng

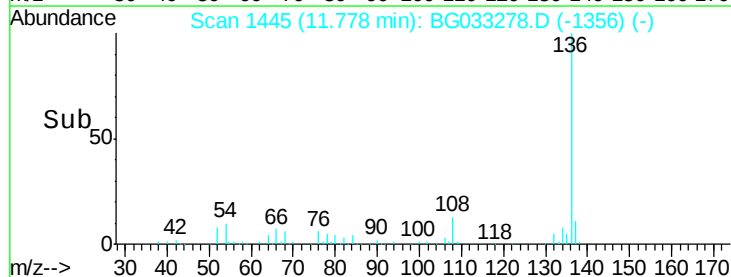
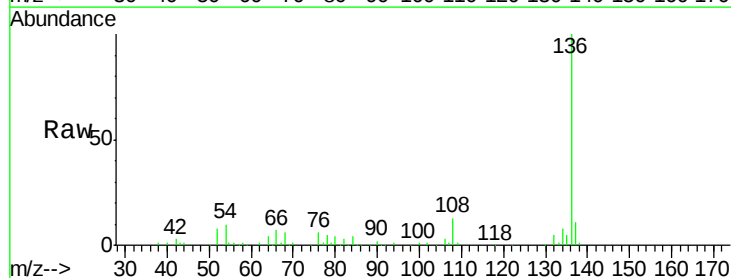
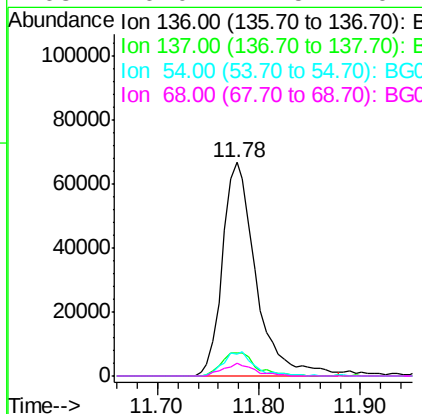
RT: 11.78 min Scan# 1445

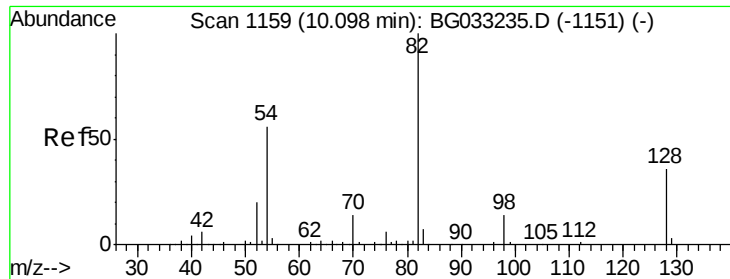
Delta R.T. -0.01 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 152378 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 9.2   | 13.8   |
| 54        | 10.7  | 10.3  | 15.5   |
| 68        | 6.0   | 4.5   | 6.7    |





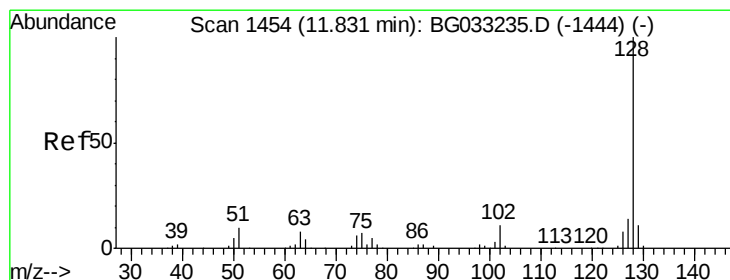
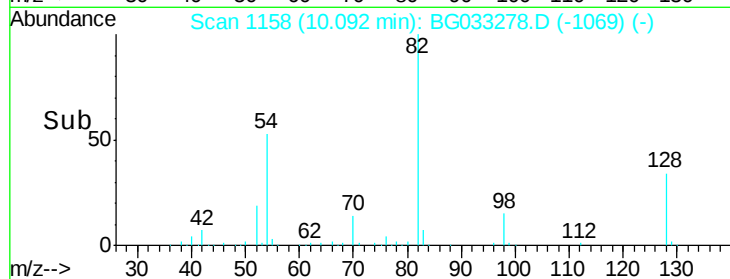
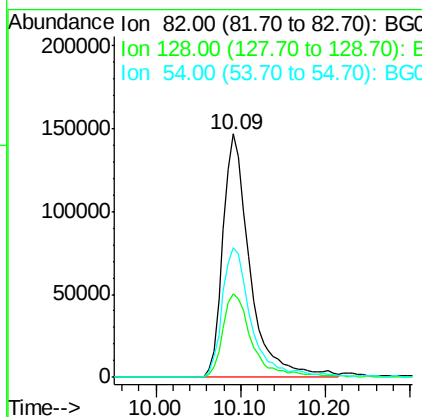
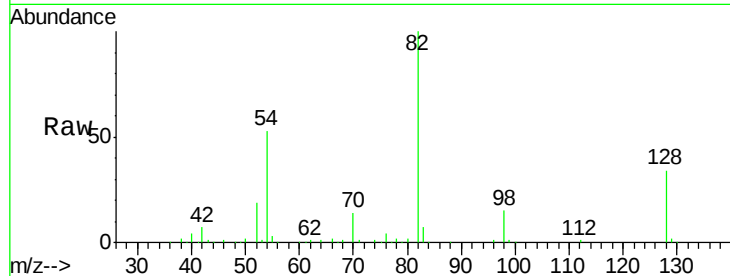
#23  
Nitrobenzene-d5  
Concen: 98.311 ng  
RT: 10.09 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BG033278.D  
Acq: 20 Mar 2018 22:57

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-031918

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 34.4  | 29.7 | 44.5  |       |
| 54      | 53.3  | 43.1 | 64.7  |       |

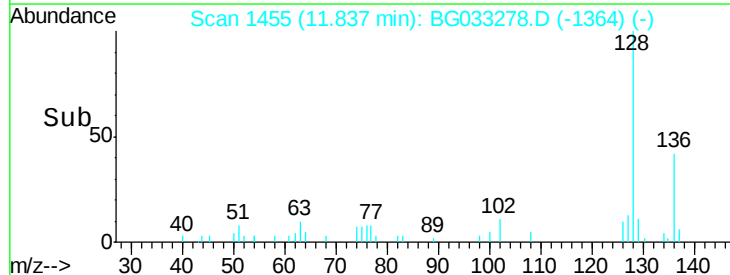
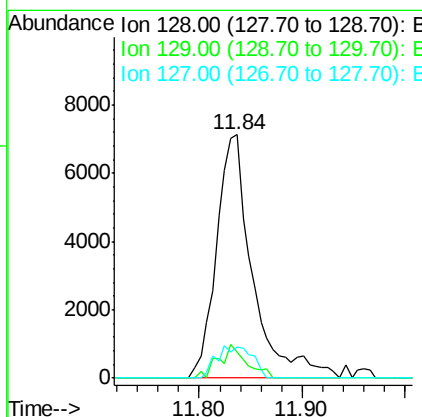
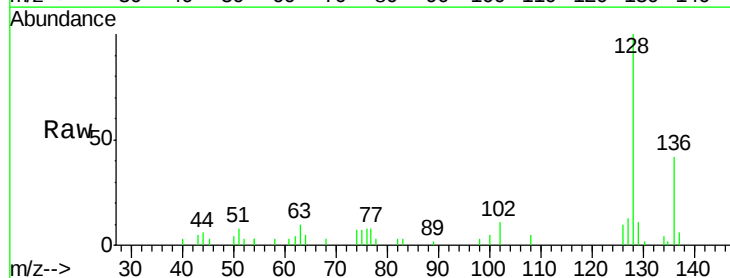
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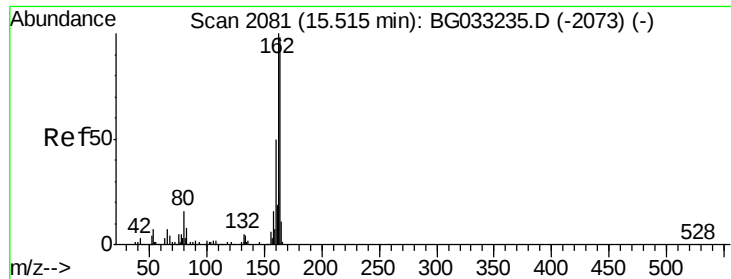
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#31  
Naphthalene  
Concen: 2.201 ng m  
RT: 11.84 min Scan# 1455  
Delta R.T. 0.01 min  
Lab File: BG033278.D  
Acq: 20 Mar 2018 22:57

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 10.9  | 8.6  | 12.8  |       |
| 127     | 12.6  | 11.6 | 17.4  |       |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

Instrument :

BNA\_G

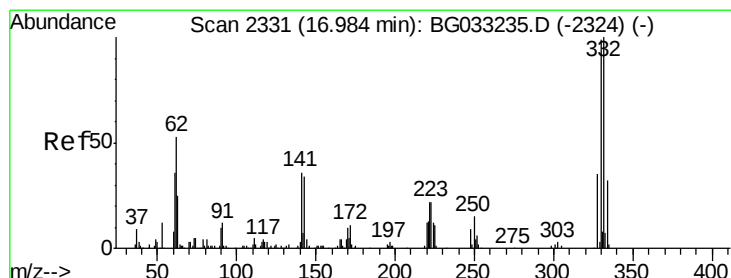
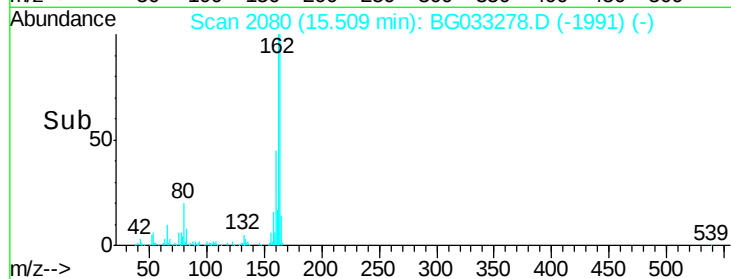
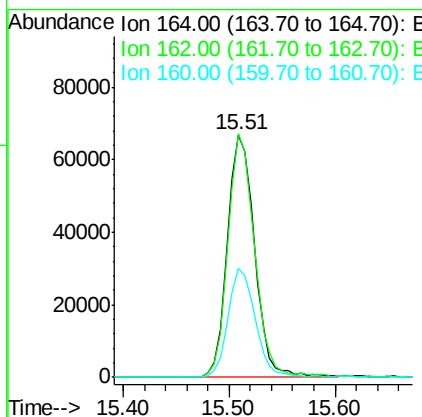
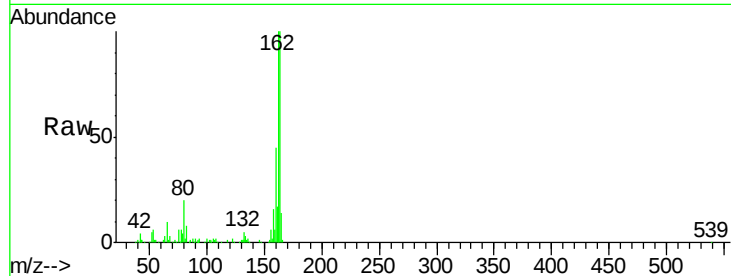
ClientSampleId :

SU-03-031918

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.3 | 78.8  | 118.2 |
| 160     | 45.0  | 35.4  | 53.0  |

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#41

2,4,6-Tribromophenol

Concen: 154.601 ng

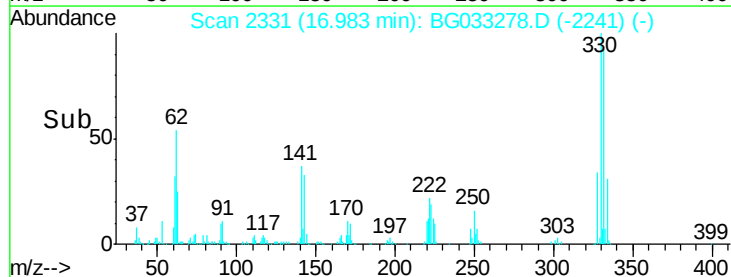
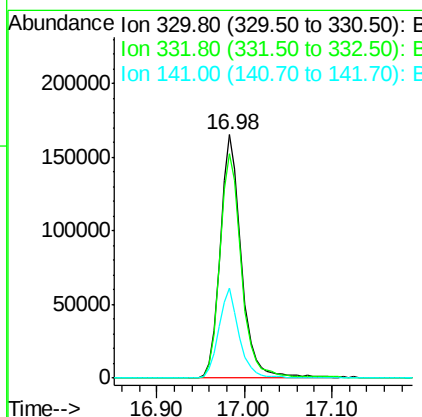
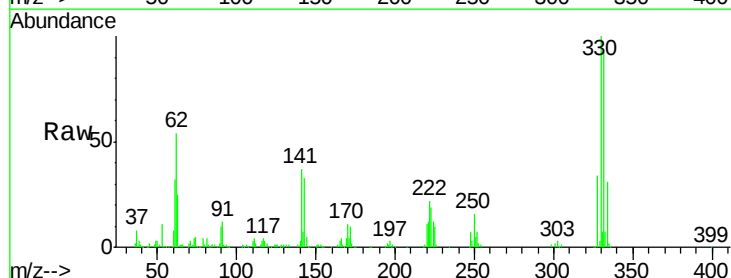
RT: 16.98 min Scan# 2331

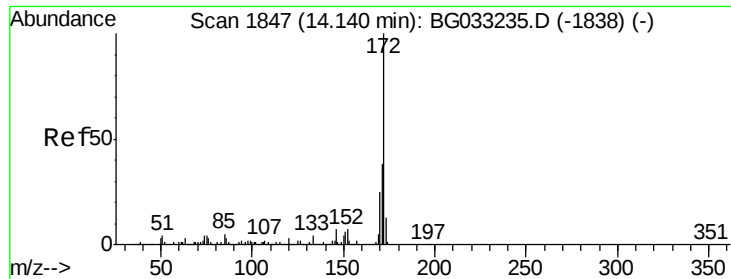
Delta R.T. 0.00 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 77.0  | 115.6 |
| 141     | 35.5  | 25.2  | 37.8  |





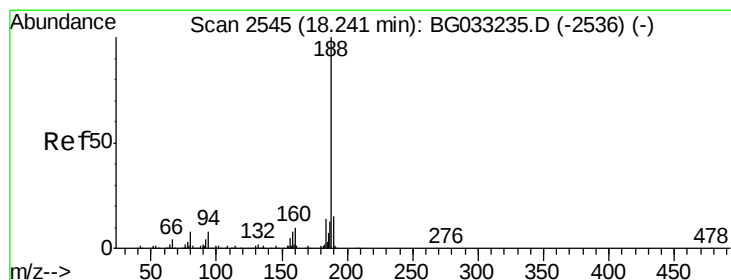
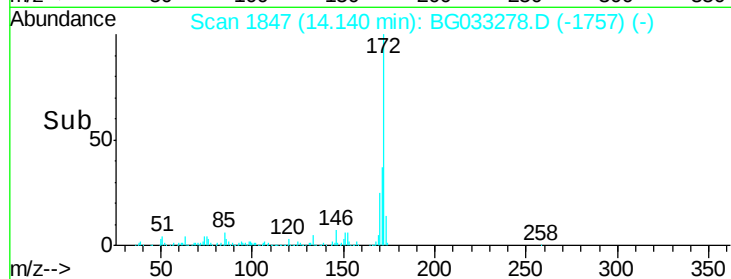
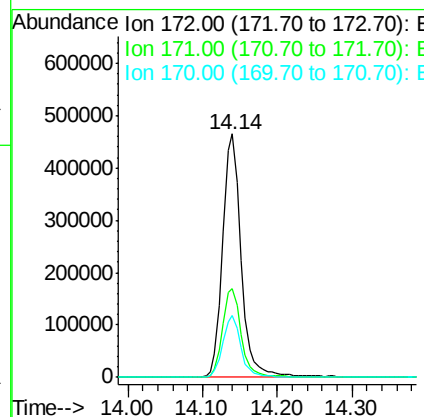
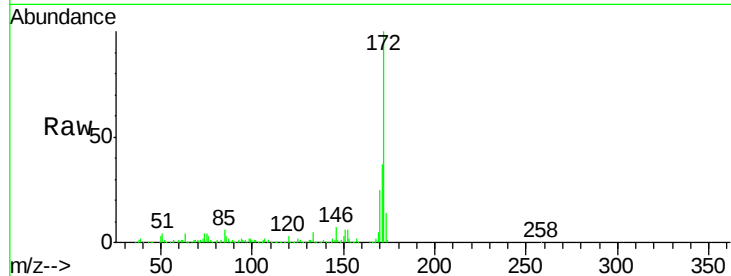
#44  
 2-Fluorobiphenyl  
 Concen: 97.541 ng  
 RT: 14.14 min Scan# 1847  
 Delta R.T. 0.00 min  
 Lab File: BG033278.D  
 Acq: 20 Mar 2018 22:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-031918

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 30.0  | 45.0  |
| 170     | 25.5  | 19.5  | 29.3  |

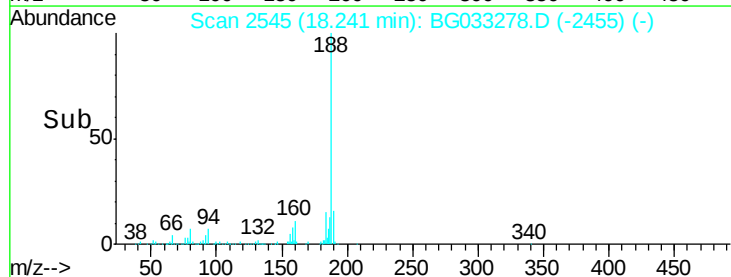
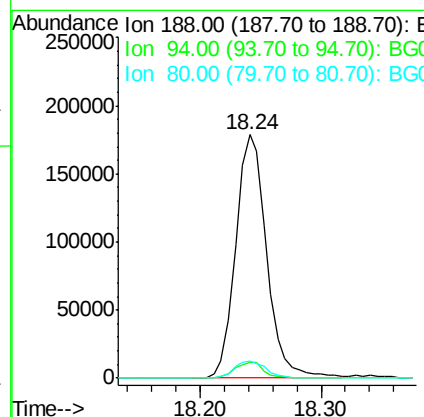
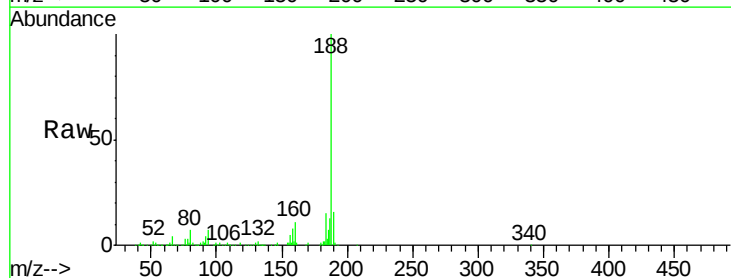
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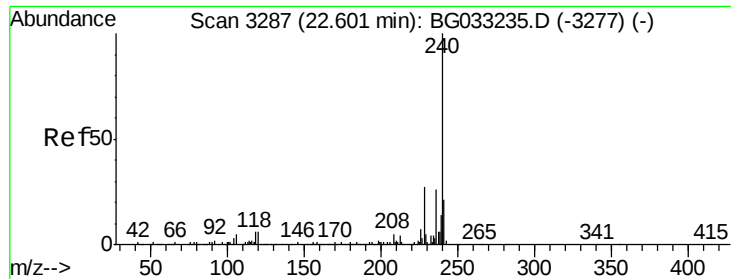
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#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.24 min Scan# 2545  
 Delta R.T. 0.00 min  
 Lab File: BG033278.D  
 Acq: 20 Mar 2018 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.7   | 6.9   | 10.3# |
| 80      | 7.3   | 7.7   | 11.5# |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. 0.00 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

Instrument :

BNA\_G

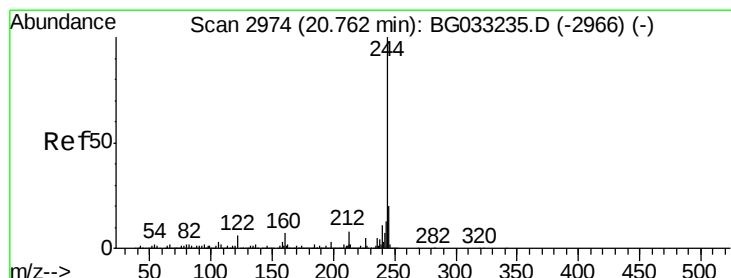
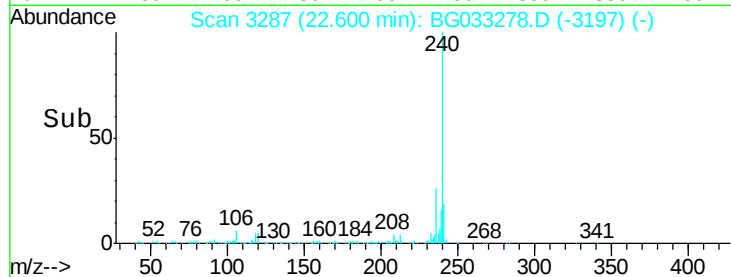
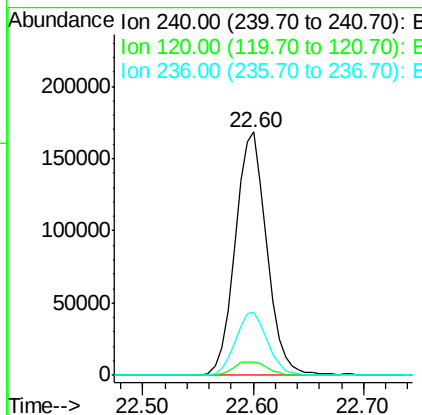
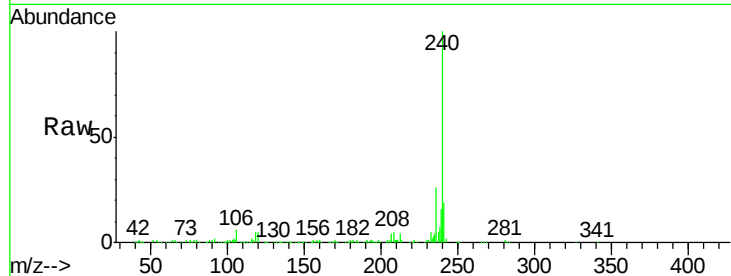
ClientSampleId :

SU-03-031918

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.3   | 6.8   | 10.2# |
| 236     | 25.9  | 20.9  | 31.3  |

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#78

Terphenyl-d14

Concen: 101.079 ng

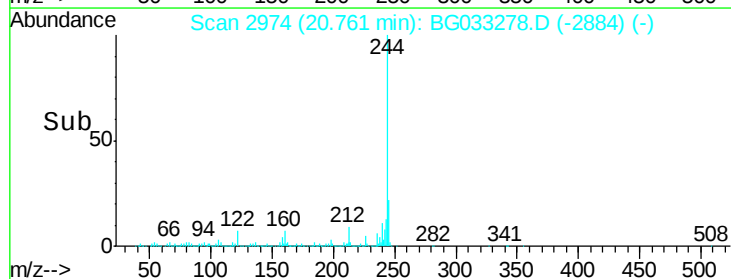
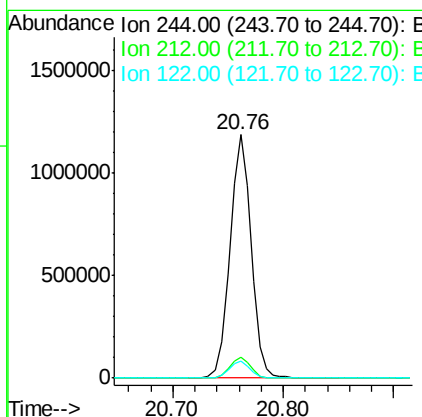
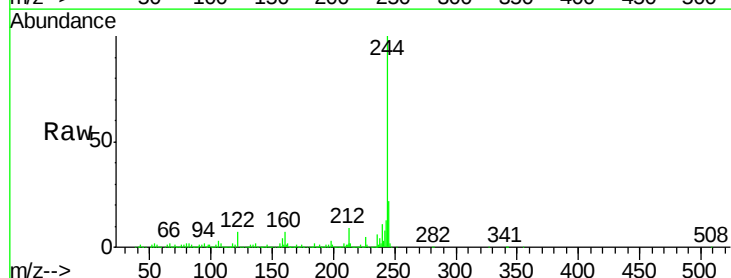
RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033278.D

Acq: 20 Mar 2018 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.7   | 5.8   | 8.8   |
| 122     | 7.0   | 7.0   | 10.4  |





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.40 min Scan# 3933  
Delta R.T. 0.00 min  
Lab File: BG033278.D  
Acq: 20 Mar 2018 22:57

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-031918

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 22.3  | 17.4       | 26.0  |
| 265     | 20.2  | 17.7       | 26.5  |

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