

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
 Data File : BG034047.D  
 Acq On : 27 Apr 2018 20:09  
 Operator : SJ/JU  
 Sample : J2455-44  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

Manual Integrations  
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Quant Time: Apr 28 01:49:49 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.75  | 152  | 48537m   | 20.00  | ng    | -0.08    |
| 21) Naphthalene-d8          | 10.54 | 136  | 196626   | 20.00  | ng    | -0.09    |
| 38) Acenaphthene-d10        | 14.39 | 164  | 149332   | 20.00  | ng    | -0.08    |
| 63) Phenanthrene-d10        | 17.14 | 188  | 445506   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12            | 21.40 | 240  | 508698   | 20.00  | ng    | -0.09    |
| 86) Perylene-d12            | 24.39 | 264  | 493734   | 20.00  | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 374508   | 123.19 | ng    | -0.08    |
| 7) Phenol-d6                | 6.94  | 99   | 437005   | 98.55  | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 8.91  | 82   | 331036   | 95.81  | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 15.89 | 330  | 337301   | 193.61 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 13.01 | 172  | 1067799  | 105.04 | ng    | -0.09    |
| 78) Terphenyl-d14           | 19.78 | 244  | 2419023  | 106.83 | ng    | -0.08    |

Target Compounds Qvalue

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

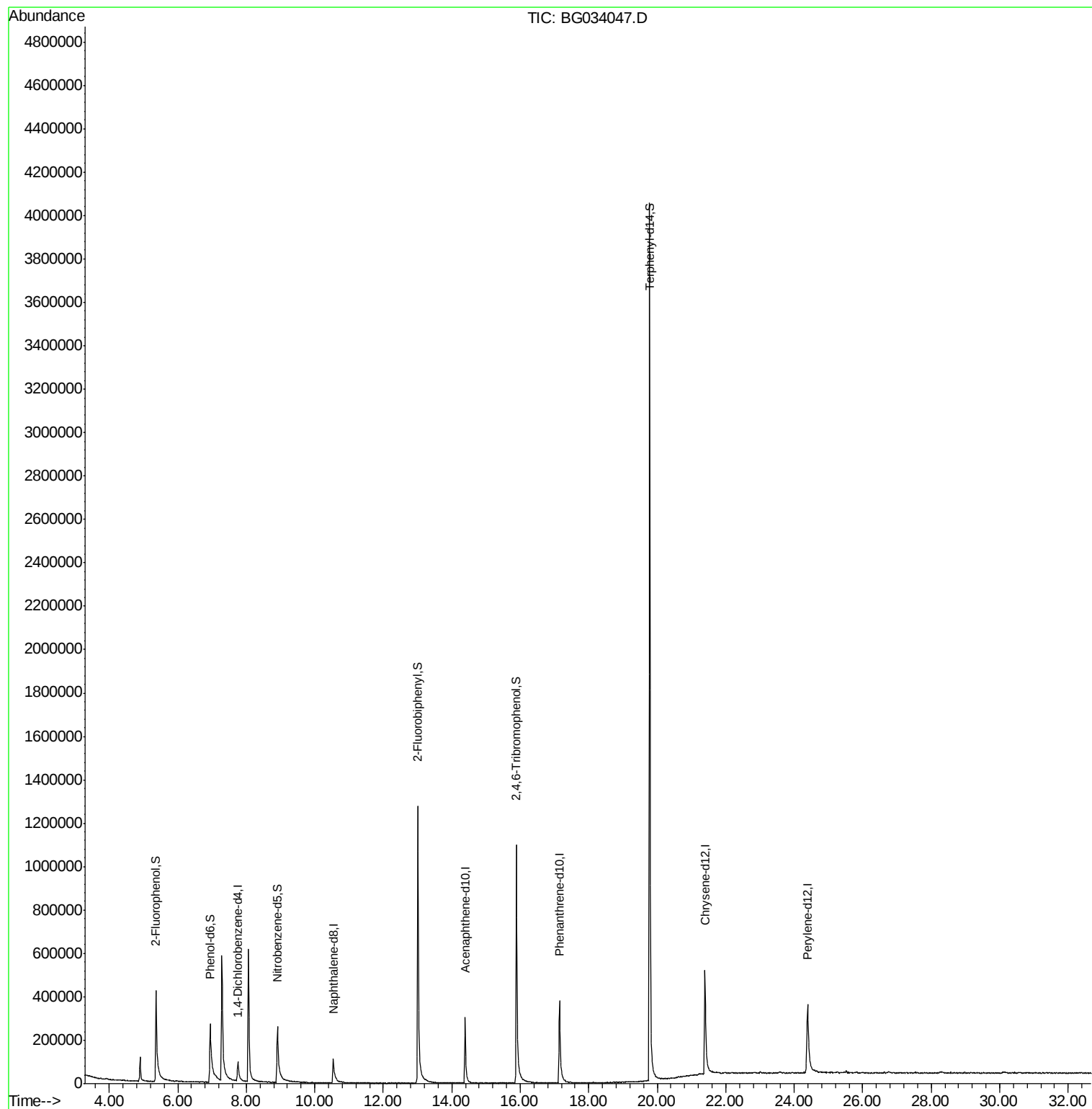
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
Data File : BG034047.D  
Acq On : 27 Apr 2018 20:09  
Operator : SJ/JU  
Sample : J2455-44  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

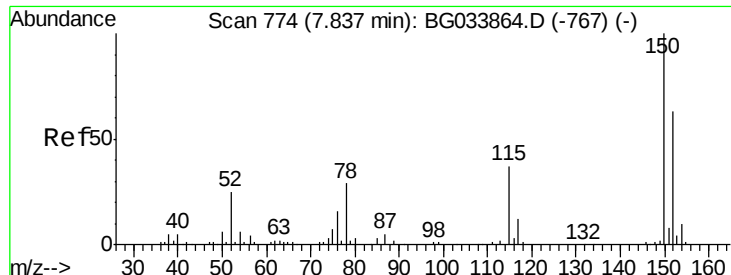
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

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Quant Time: Apr 28 01:49:49 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 19 13:56:22 2018  
Response via : Initial Calibration





#1

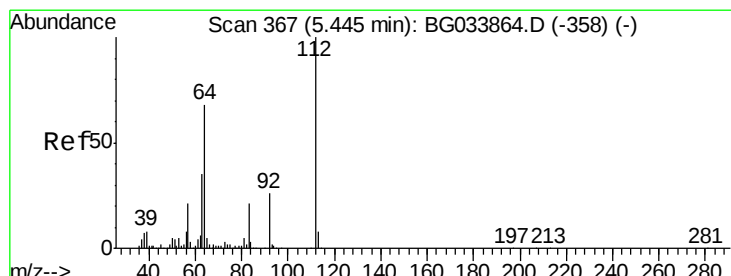
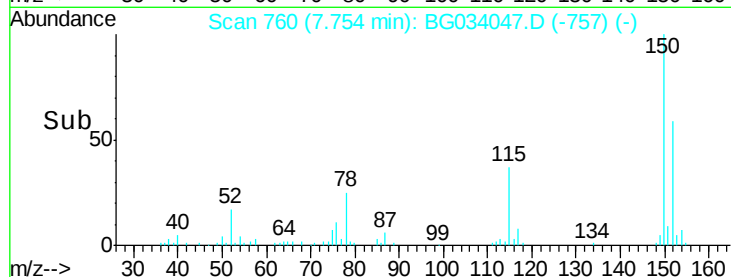
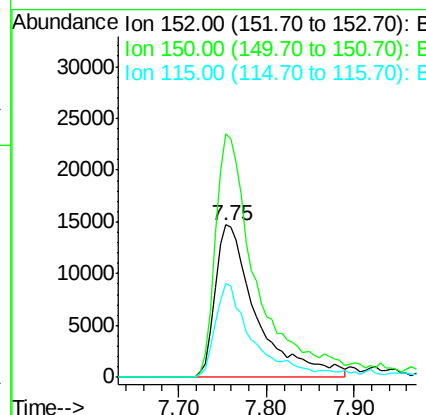
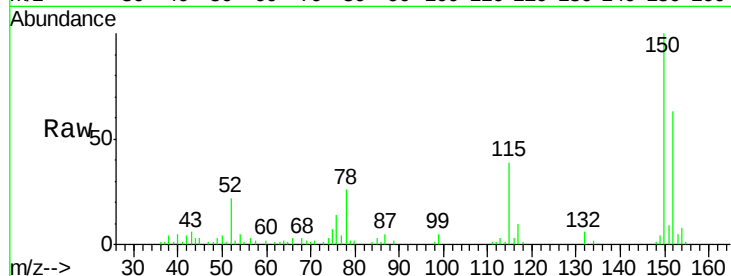
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng/ml  
RT: 7.75 min Scan# 760  
Delta R.T. -0.08 min  
Lab File: BG034047.D  
Acq: 27 Apr 2018 20:09

Instrument :  
BNA\_G  
ClientSampled :  
TP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.0 | 126.6 | 189.8 |
| 115     | 62.0  | 53.0  | 79.4  |

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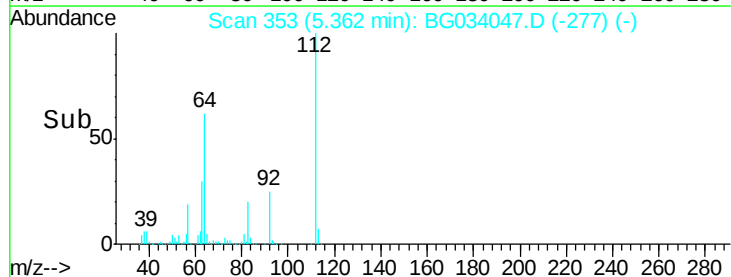
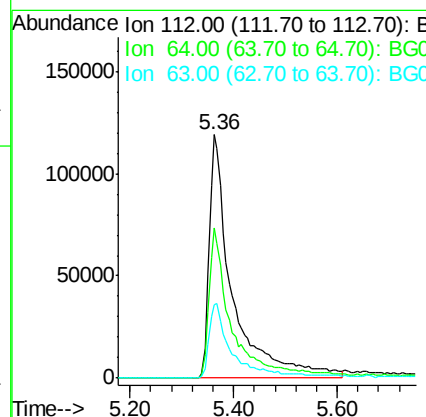
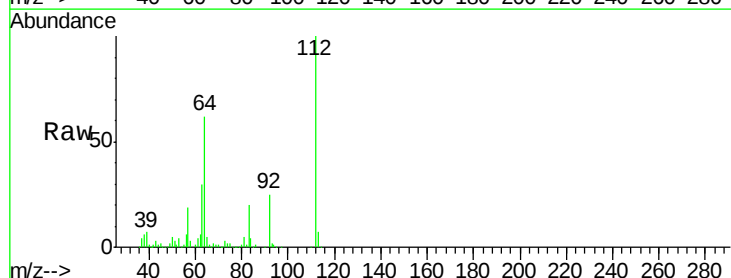
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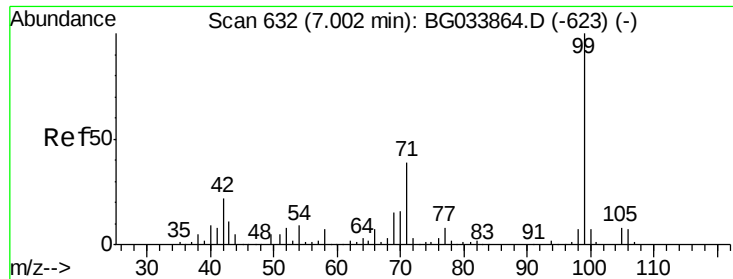


#5

2-Fluorophenol  
Concen: 123.187 ng  
RT: 5.36 min Scan# 353  
Delta R.T. -0.08 min  
Lab File: BG034047.D  
Acq: 27 Apr 2018 20:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.7  | 56.3  | 84.5  |
| 63      | 29.9  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 98.552 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034047.D

Acq: 27 Apr 2018 20:09

Instrument :

BNA\_G

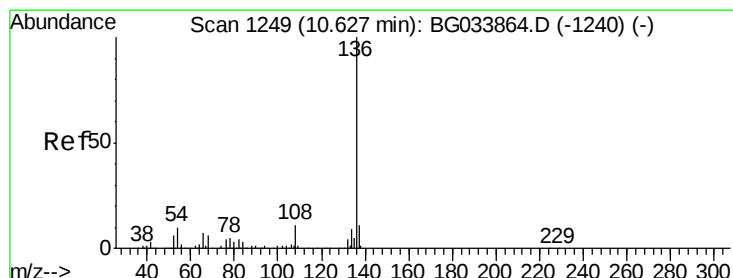
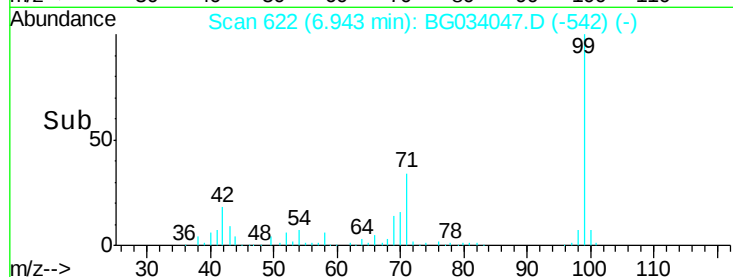
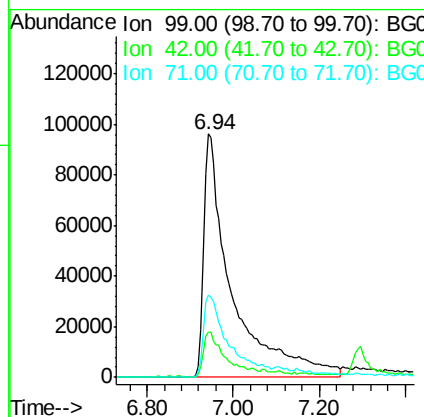
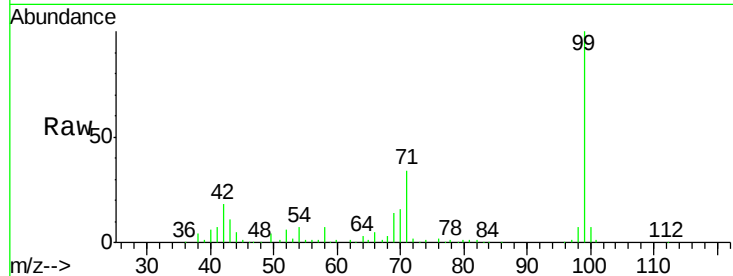
ClientSampleId :

TP-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 437005 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.3  | 14.1  | 21.1   |
| 71        | 33.8  | 26.1  | 39.1   |

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#21

Naphthalene-d8

Concen: 20.000 ng

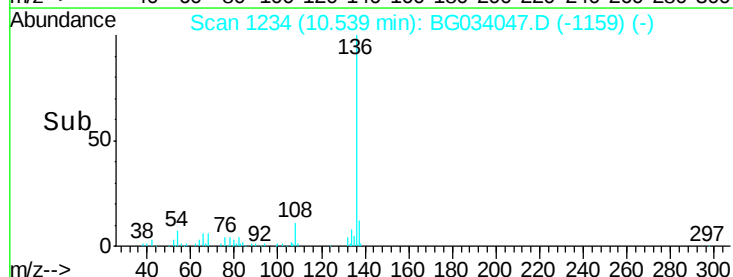
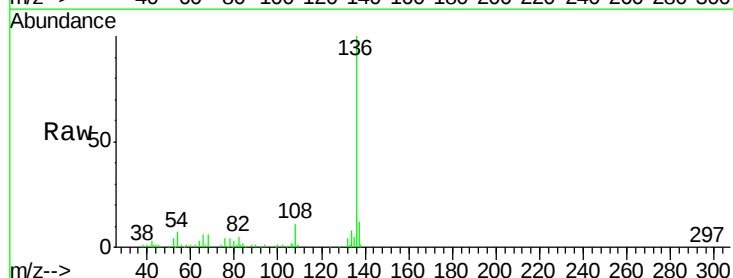
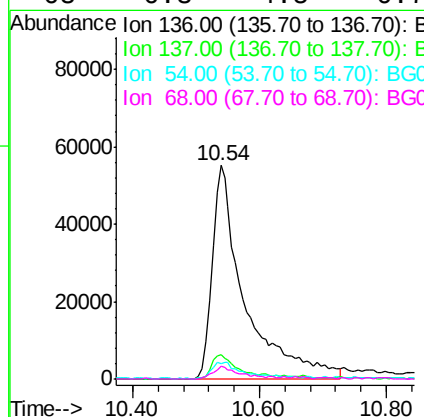
RT: 10.54 min Scan# 1234

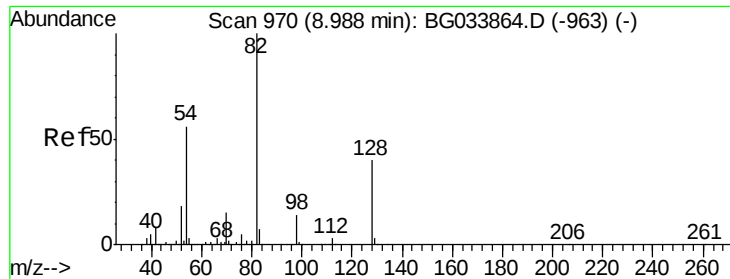
Delta R.T. -0.09 min

Lab File: BG034047.D

Acq: 27 Apr 2018 20:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 196626 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 9.2   | 13.8   |
| 54        | 7.5   | 10.3  | 15.5#  |
| 68        | 6.3   | 4.5   | 6.7    |





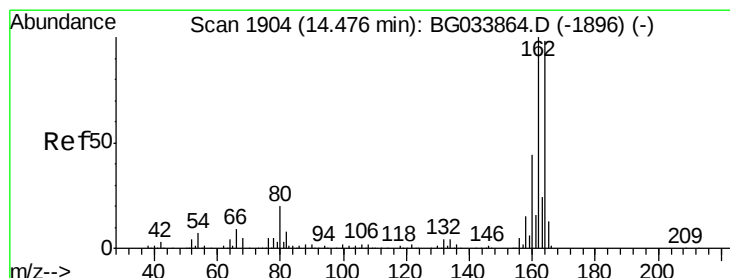
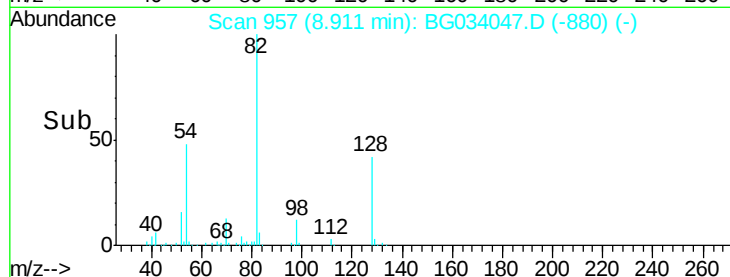
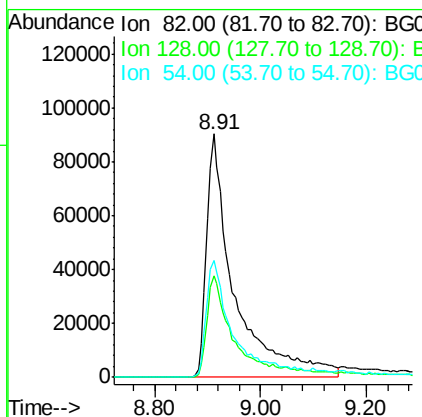
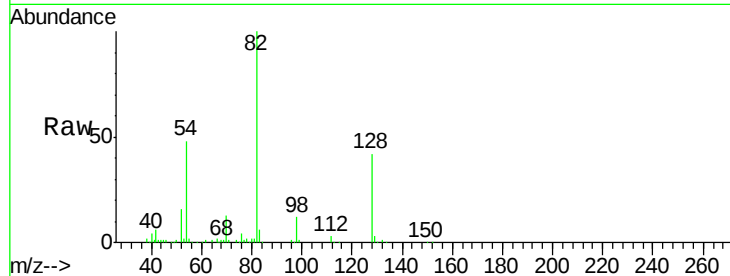
#23  
 Nitrobenzene-d5  
 Concen: 95.812 ng  
 RT: 8.91 min Scan# 957  
 Delta R.T. -0.08 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-1

| Tot Ion   | 82   | Resp  | 331036 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 82        | 100  |       |        |
| 128       | 41.5 | 29.7  | 44.5   |
| 54        | 48.2 | 43.1  | 64.7   |

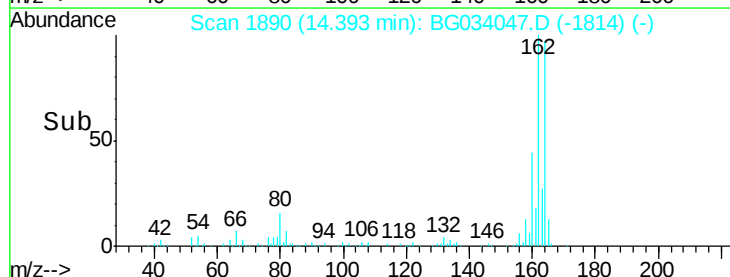
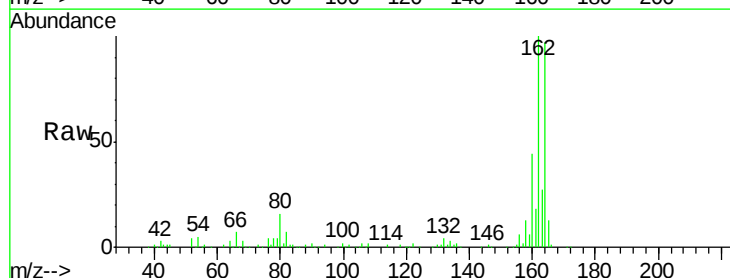
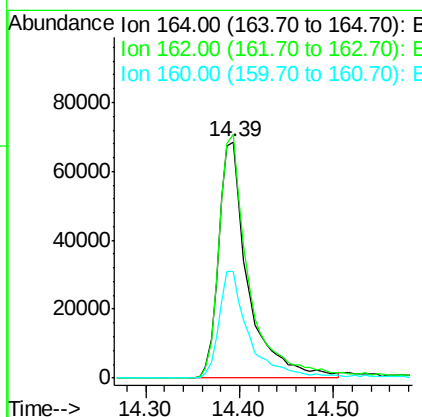
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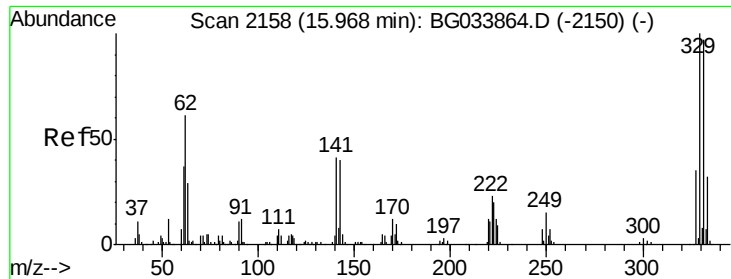
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.39 min Scan# 1890  
 Delta R.T. -0.08 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

| Tgt Ion   | 164   | Resp  | 149332 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 164       | 100   |       |        |
| 162       | 103.1 | 78.8  | 118.2  |
| 160       | 45.3  | 35.4  | 53.0   |





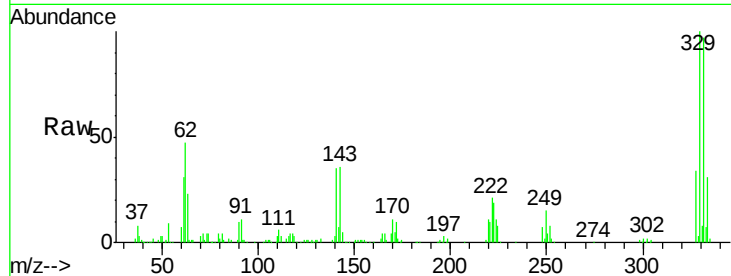
#41  
 2,4,6-Tribromophenol  
 Concen: 193.607 ng  
 RT: 15.89 min Scan# 2144  
 Delta R.T. -0.08 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-1

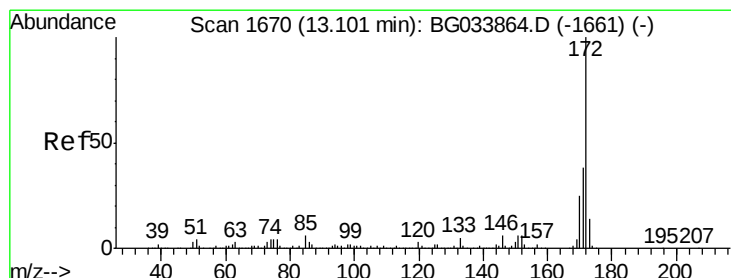
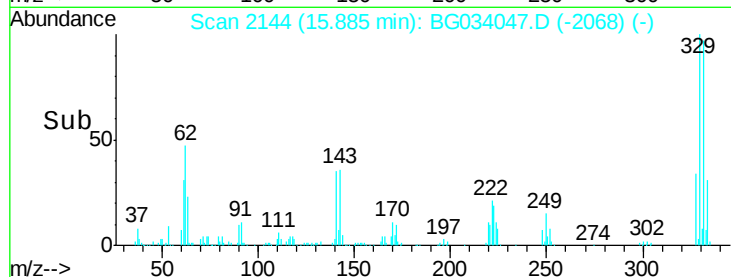
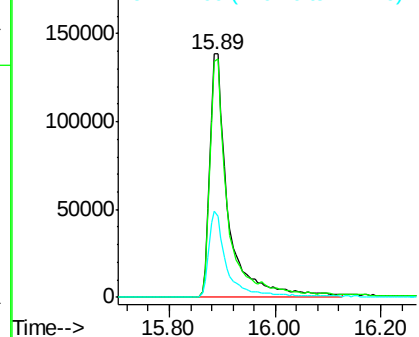
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 94.4  | 77.0 | 115.6 |       |
| 141     | 33.6  | 25.2 | 37.8  |       |

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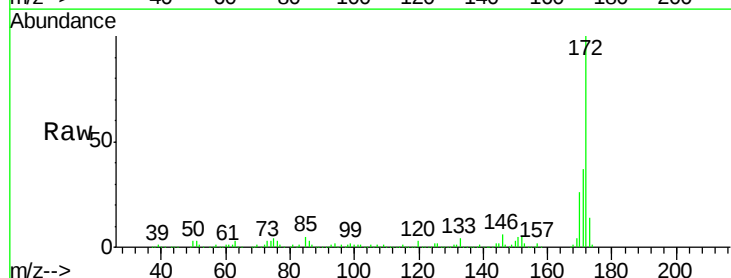


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

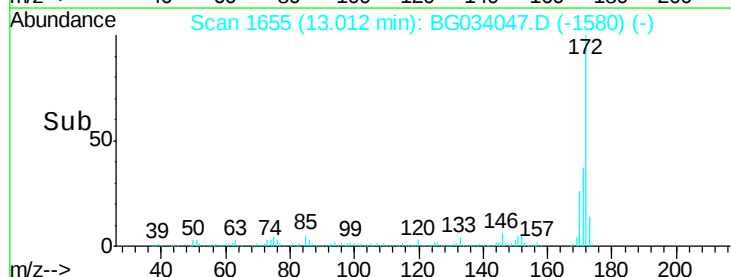
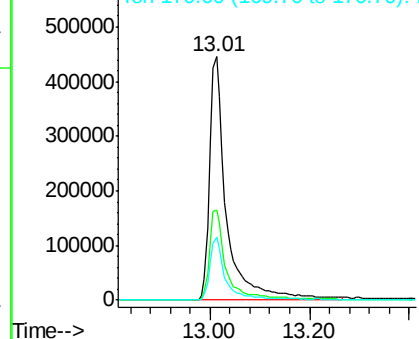


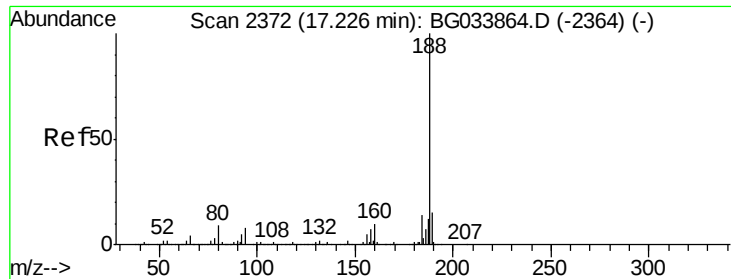
#44  
 2-Fluorobiphenyl  
 Concen: 105.043 ng  
 RT: 13.01 min Scan# 1655  
 Delta R.T. -0.09 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 37.0  | 30.0 | 45.0  |       |
| 170     | 25.8  | 19.5 | 29.3  |       |



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





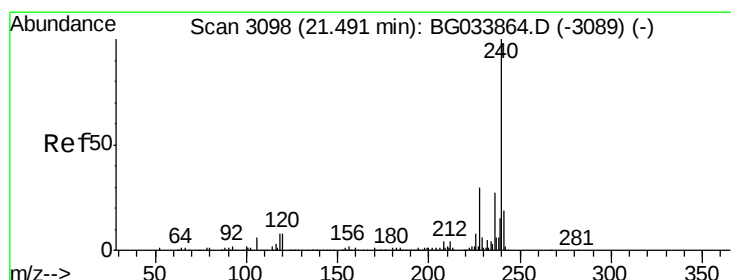
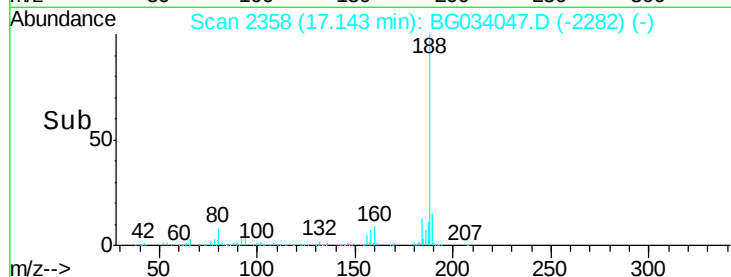
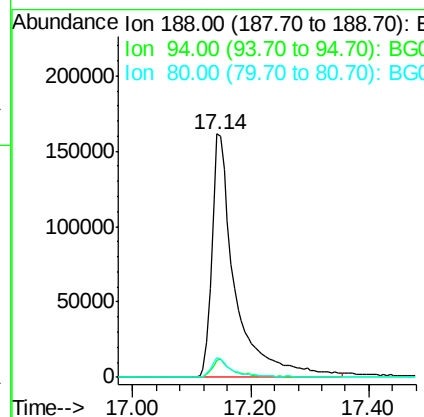
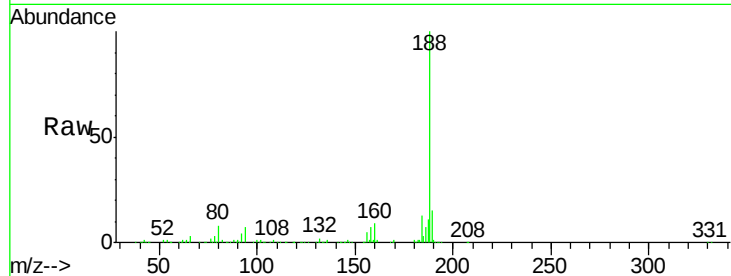
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.14 min Scan# 2358  
Delta R.T. -0.08 min  
Lab File: BG034047.D  
Acq: 27 Apr 2018 20:09

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 445506 |       |       |
| 94      | 7.1   | 6.9    | 10.3  |       |
| 80      | 8.1   | 7.7    | 11.5  |       |

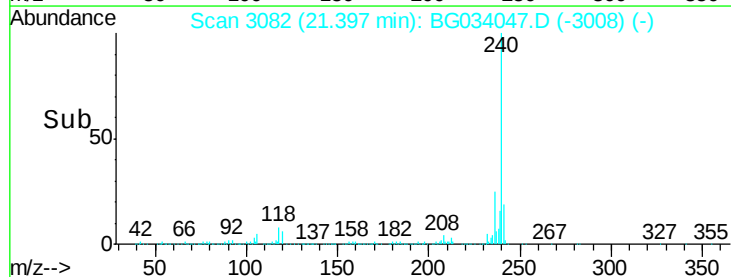
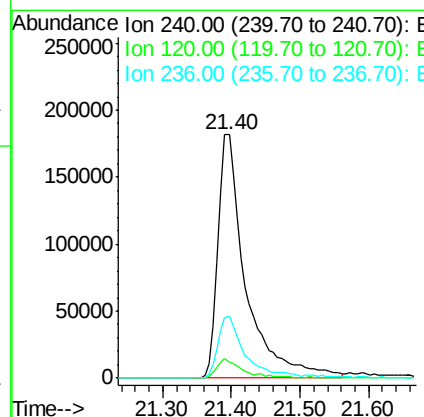
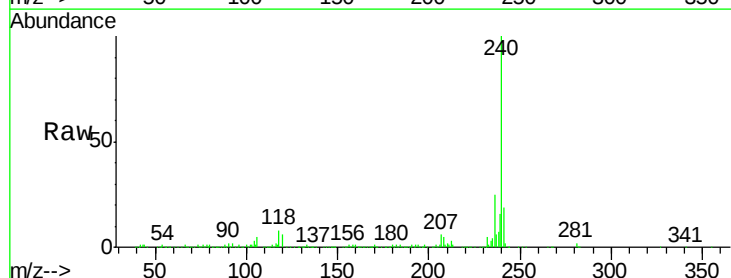
Manual Integrations  
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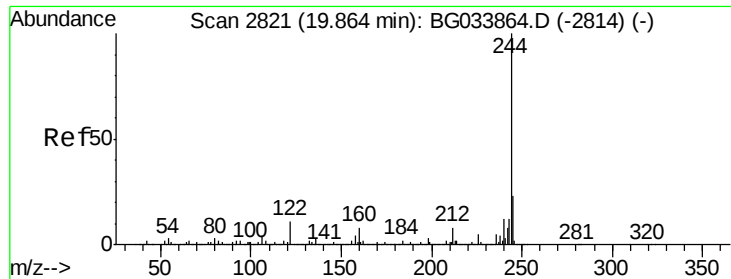
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#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.40 min Scan# 3082  
Delta R.T. -0.09 min  
Lab File: BG034047.D  
Acq: 27 Apr 2018 20:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 508698 |       |       |
| 120     | 6.5   | 6.8    | 10.2# |       |
| 236     | 25.5  | 20.9   | 31.3  |       |





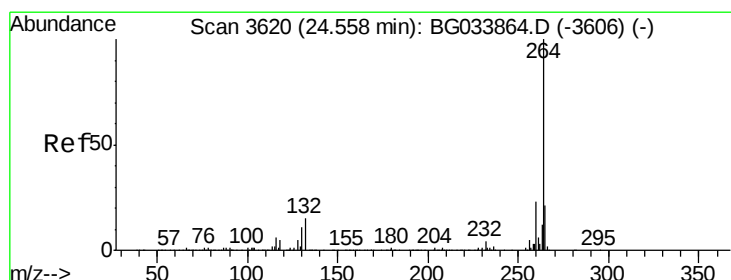
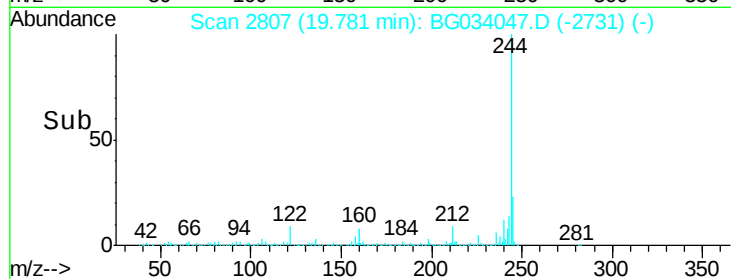
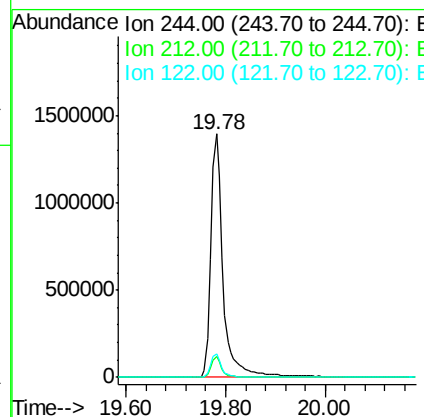
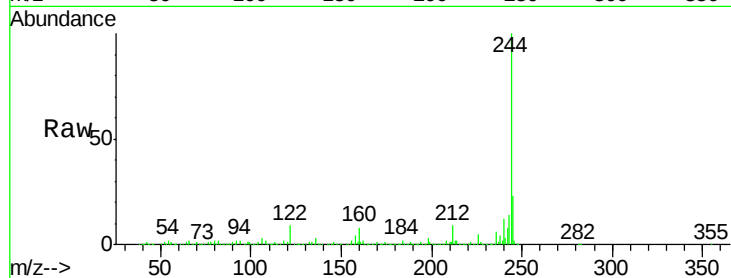
#78  
 Terphenyl-d14  
 Concen: 106.834 ng  
 RT: 19.78 min Scan# 2807  
 Delta R.T. -0.08 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.6   | 5.8   | 8.8   |
| 122     | 9.5   | 7.0   | 10.4  |

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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.39 min Scan# 3592  
 Delta R.T. -0.17 min  
 Lab File: BG034047.D  
 Acq: 27 Apr 2018 20:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 17.4  | 26.0  |
| 265     | 21.8  | 17.7  | 26.5  |

