

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\  
 Data File : BG033814.D  
 Acq On : 16 Apr 2018 13:42  
 Operator : SJ/JU  
 Sample : J2364-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-A

Manual Integrations  
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Quant Time: Apr 16 15:07:32 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 16 11:44:01 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.85  | 152  | 23162    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.74 | 136  | 116506   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.47 | 164  | 90579    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.21 | 188  | 276439   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 304022   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.32 | 264  | 324378   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 239004   | 193.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.99  | 99   | 345602m  | 162.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 269688m  | 106.35 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 237996   | 175.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.10 | 172  | 678509   | 108.14 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1544024  | 108.61 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.79 | 128  | 30658m   | 5.078  | ng    | Qvalue   |

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

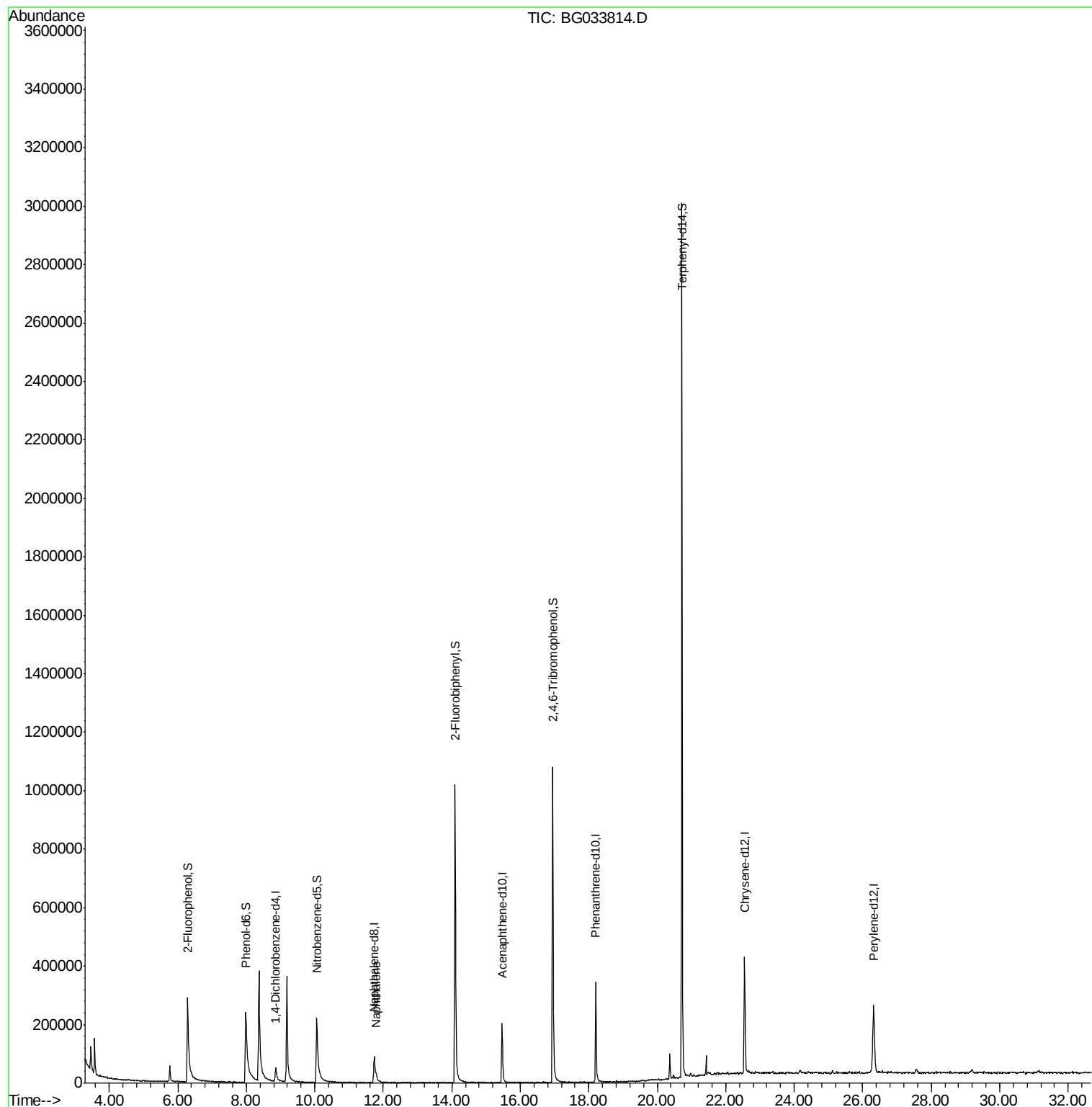
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\  
Data File : BG033814.D  
Acq On : 16 Apr 2018 13:42  
Operator : SJ/JU  
Sample : J2364-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

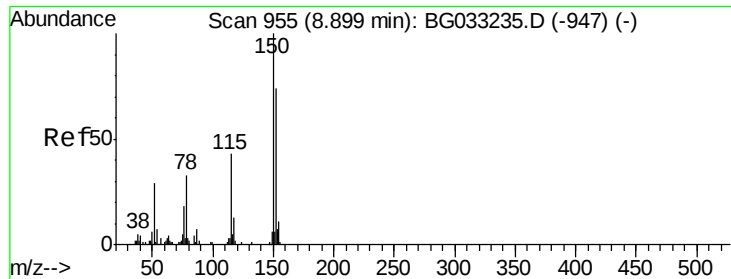
Instrument :  
BNA\_G  
ClientSampleId :  
SP-A

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Quant Time: Apr 16 15:07:32 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 16 11:44:01 2018  
Response via : Initial Calibration





#1

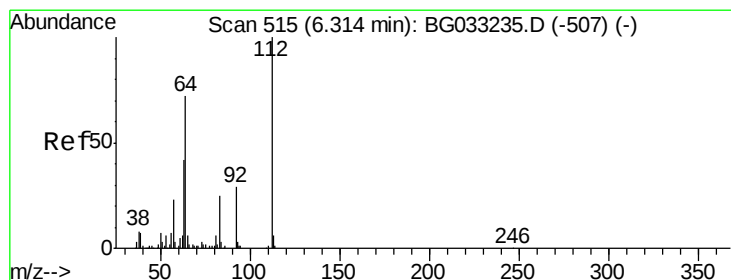
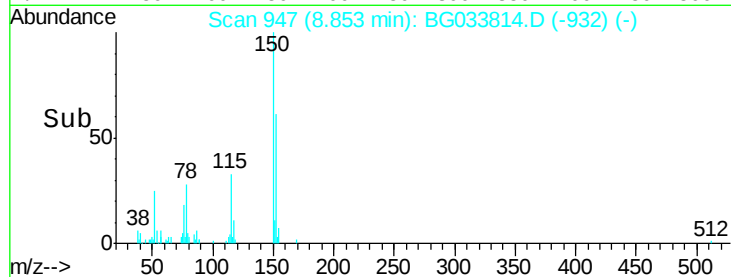
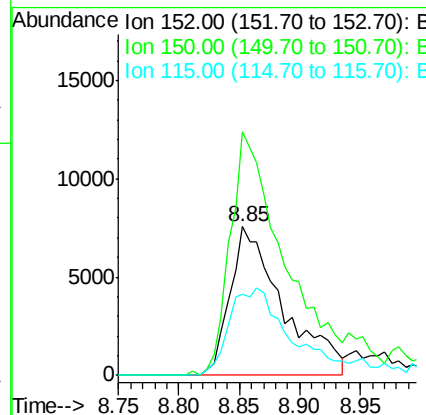
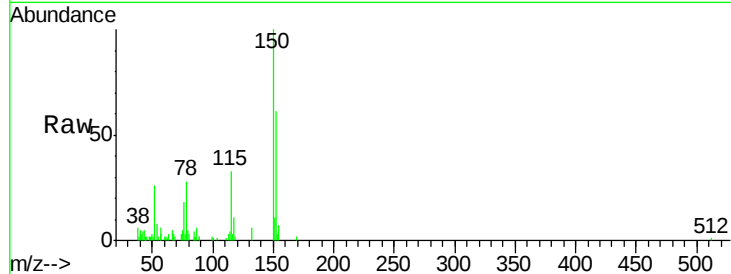
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.85 min Scan# 947  
Delta R.T. -0.01 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

Instrument :  
BNA\_G  
ClientSampleId :  
SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.0 | 126.6 | 189.8 |
| 115     | 54.2  | 53.0  | 79.4  |

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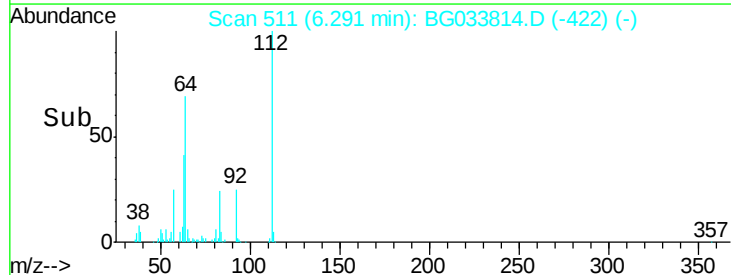
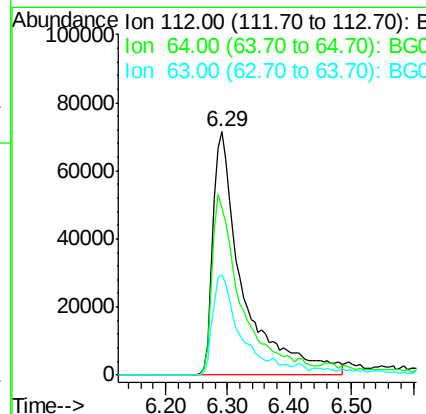
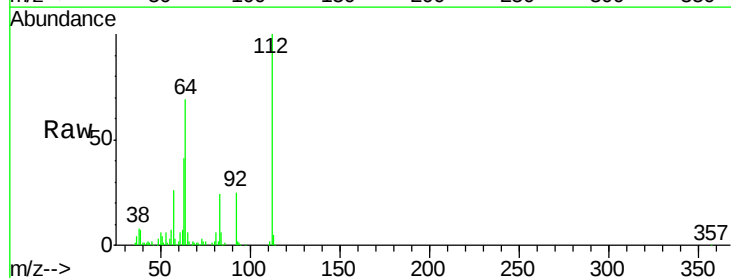
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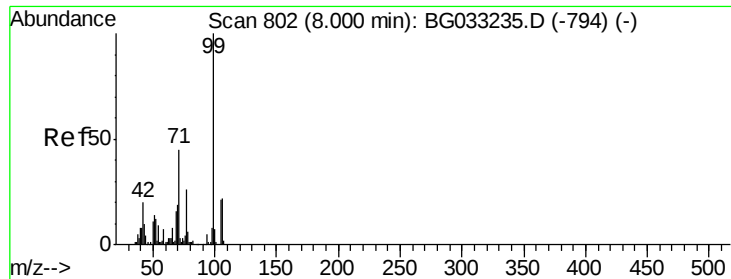


#5

2-Fluorophenol  
Concen: 193.490 ng  
RT: 6.29 min Scan# 511  
Delta R.T. -0.01 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.6  | 56.3  | 84.5  |
| 63      | 41.2  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 162.837 ng/mL

RT: 7.99 min Scan# 800

Delta R.T. 0.00 min

Lab File: BG033814.D

Acq: 16 Apr 2018 13:42

Instrument :

BNA\_G

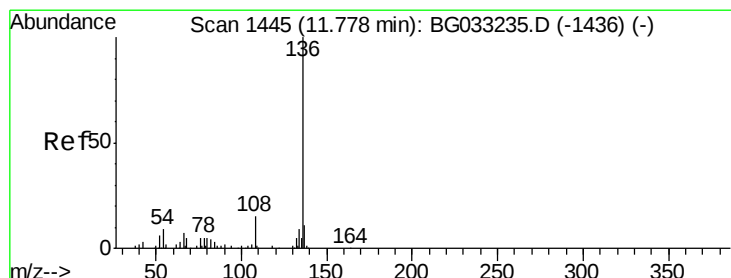
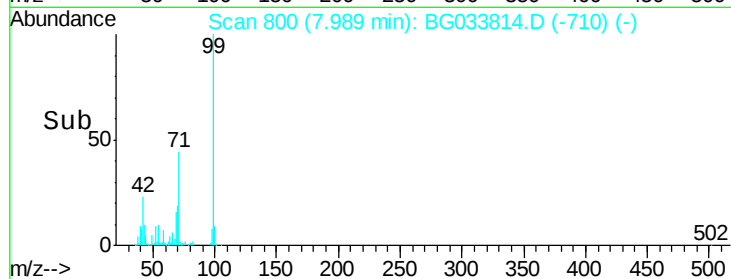
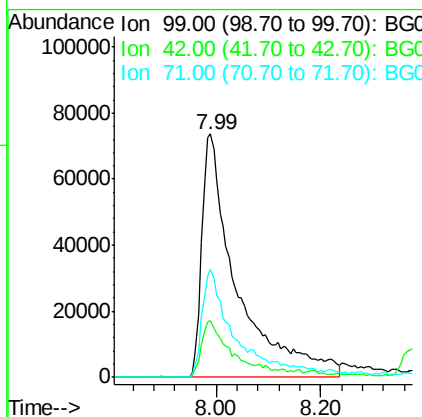
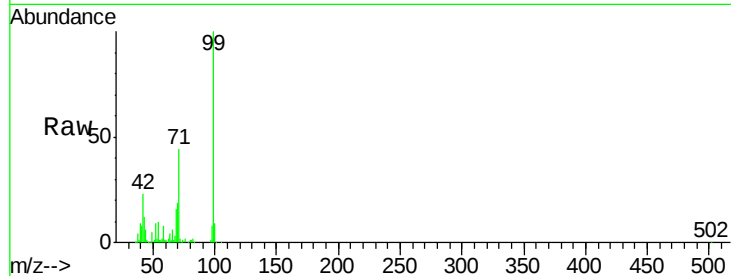
ClientSampleId :

SP-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 345602 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 23.5  | 14.1  | 21.1#  |
| 71        | 44.2  | 26.1  | 39.1#  |

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#21

Naphthalene-d8

Concen: 20.000 ng

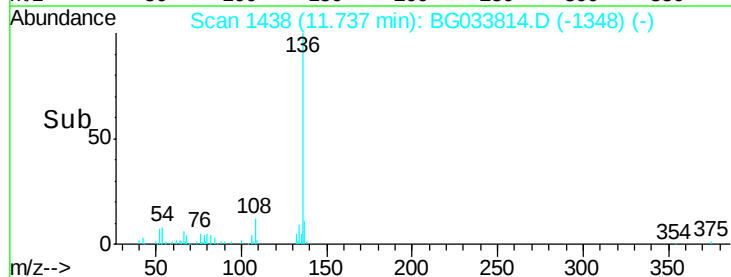
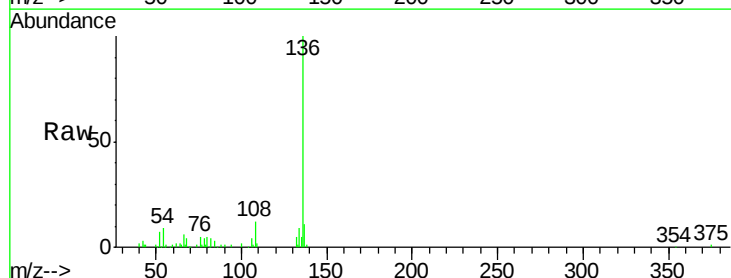
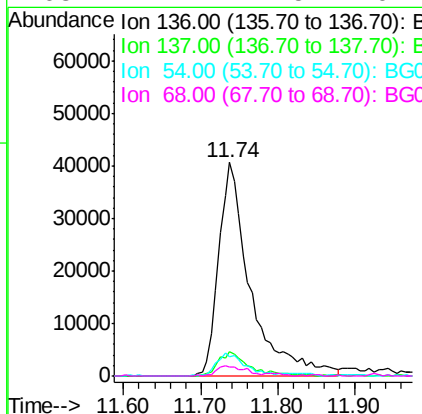
RT: 11.74 min Scan# 1438

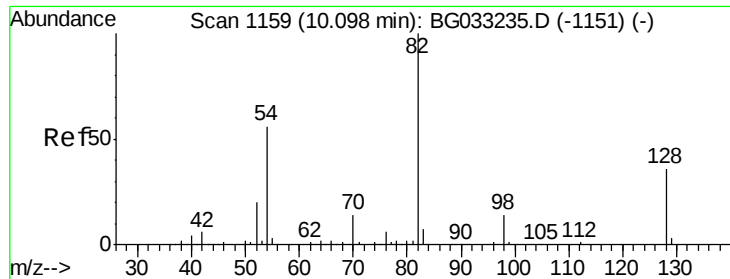
Delta R.T. 0.00 min

Lab File: BG033814.D

Acq: 16 Apr 2018 13:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 116506 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 9.2   | 13.8   |
| 54        | 8.9   | 10.3  | 15.5#  |
| 68        | 4.4   | 4.5   | 6.7#   |





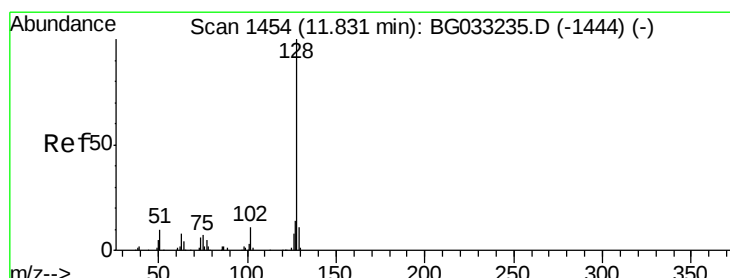
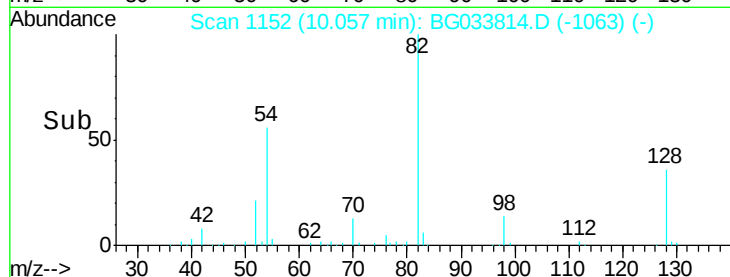
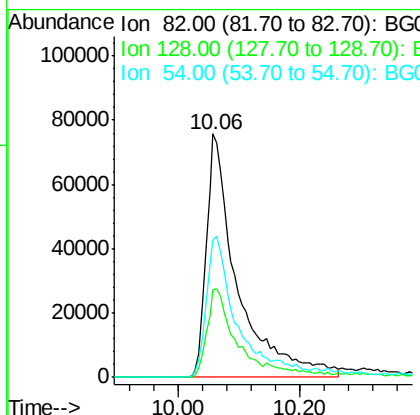
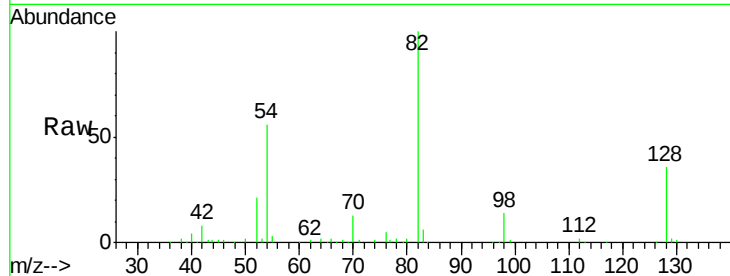
#23  
Nitrobenzene-d5  
Concen: 106.351 ng m  
RT: 10.06 min Scan# 1152  
Delta R.T. -0.01 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

Instrument :  
BNA\_G  
ClientSampleId :  
SP-A

| Tot Ion   | 82    | Resp  | 269688 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.7  | 29.7  | 44.5   |
| 54        | 56.3  | 43.1  | 64.7   |

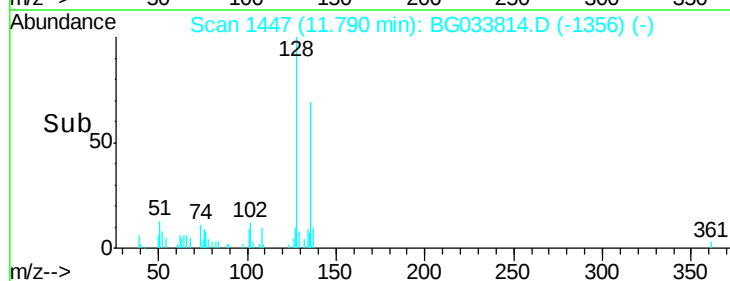
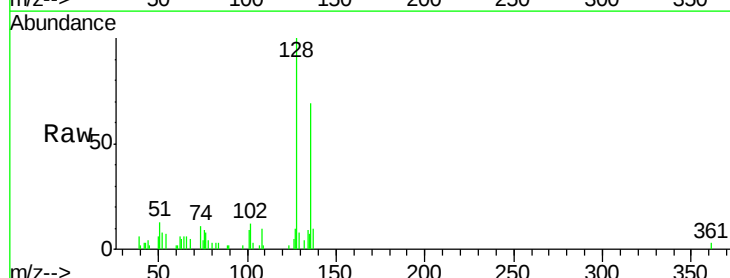
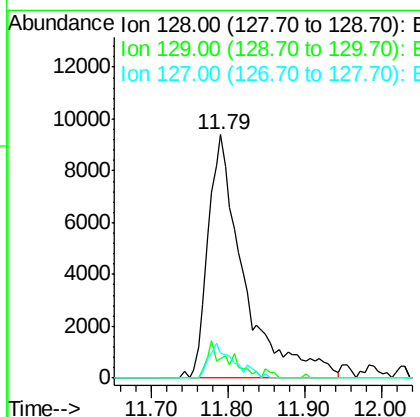
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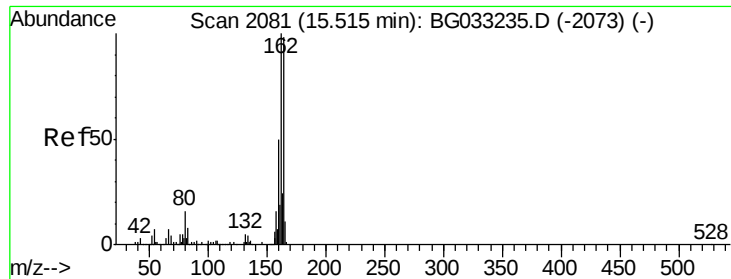
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#31  
Naphthalene  
Concen: 5.078 ng m  
RT: 11.79 min Scan# 1447  
Delta R.T. 0.01 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

| Tgt Ion   | 128   | Resp  | 30658 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 8.2   | 8.6   | 12.8# |
| 127       | 10.4  | 11.6  | 17.4# |





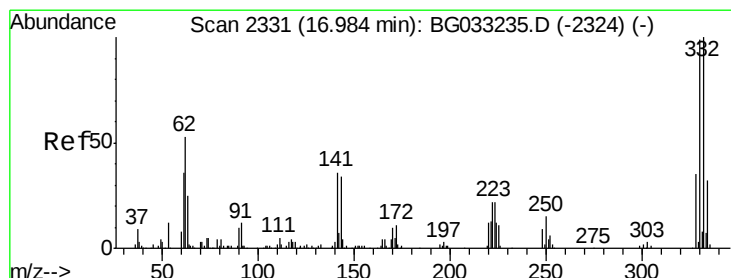
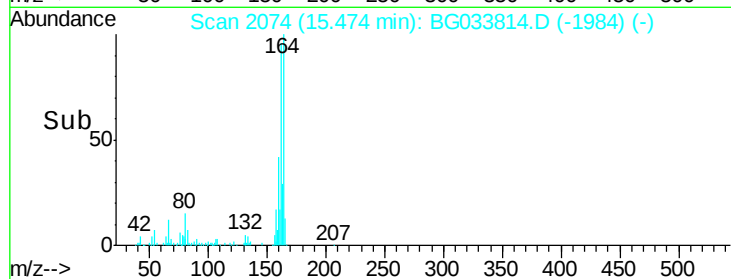
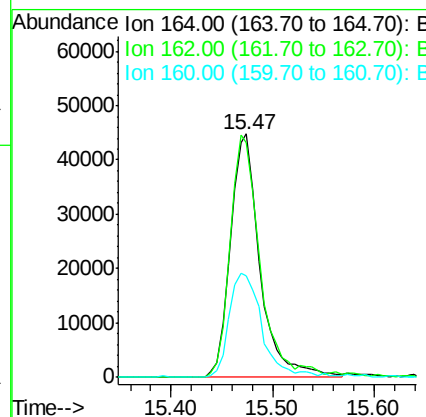
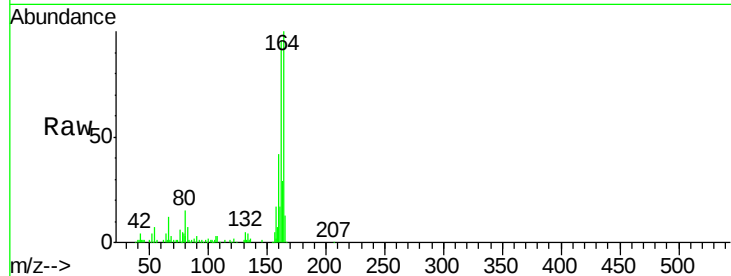
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

Instrument :  
BNA\_G  
ClientSampled :  
SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.3  | 78.8  | 118.2 |
| 160     | 41.9  | 35.4  | 53.0  |

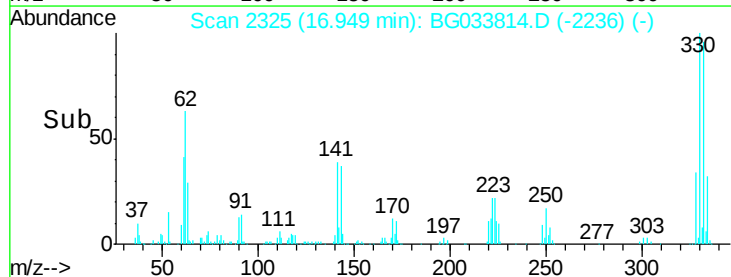
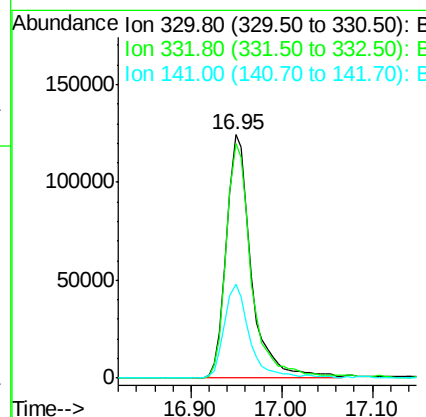
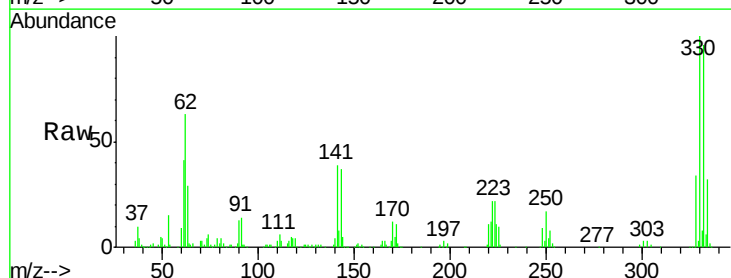
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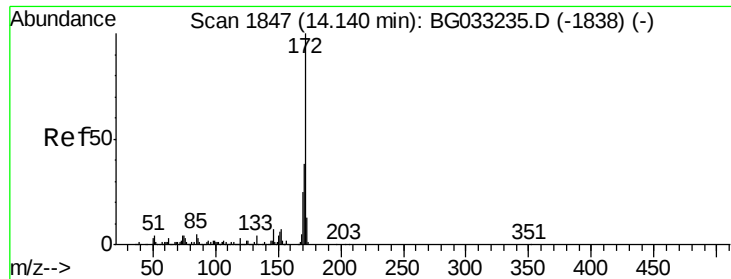
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#41  
2,4,6-Tribromophenol  
Concen: 175.680 ng  
RT: 16.95 min Scan# 2325  
Delta R.T. -0.01 min  
Lab File: BG033814.D  
Acq: 16 Apr 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.0  | 115.6 |
| 141     | 39.3  | 25.2  | 37.8# |





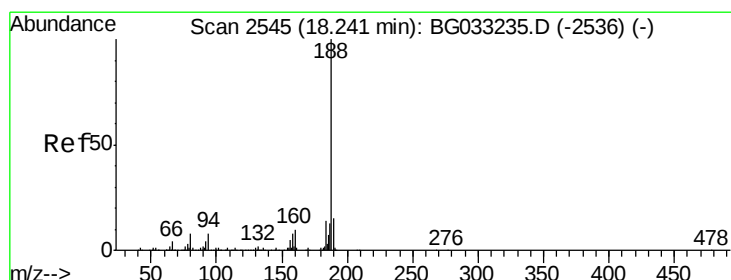
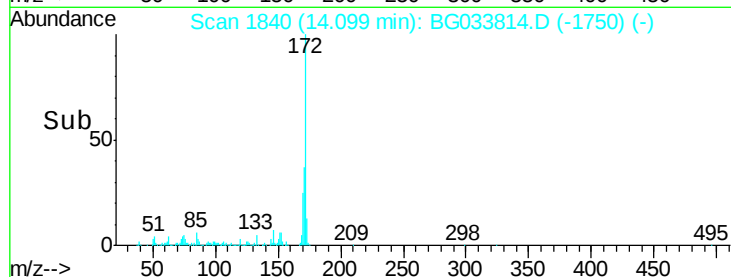
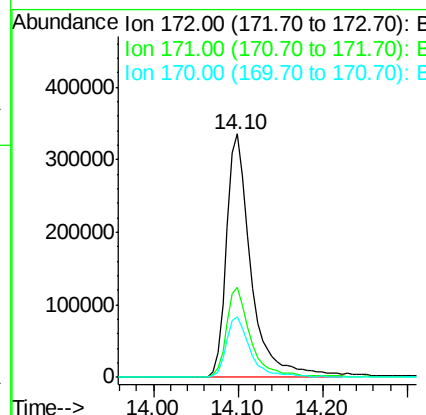
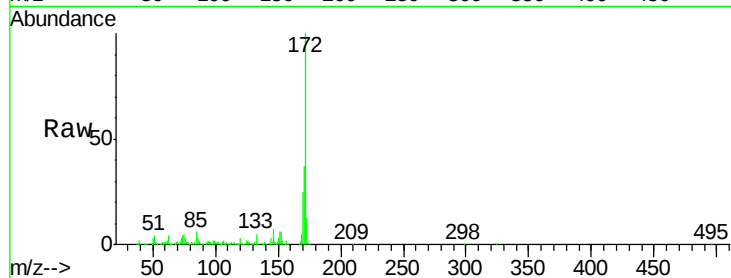
#44  
 2-Fluorobiphenyl  
 Concen: 108.140 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. 0.00 min  
 Lab File: BG033814.D  
 Acq: 16 Apr 2018 13:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 30.0  | 45.0  |
| 170     | 24.9  | 19.5  | 29.3  |

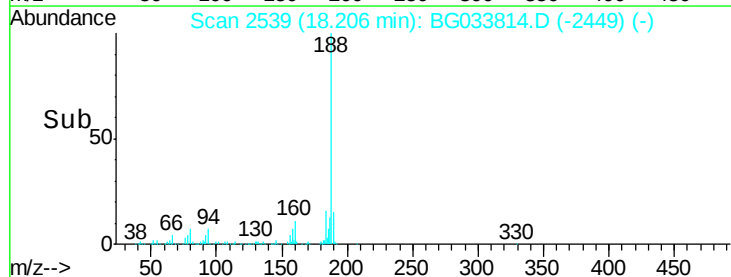
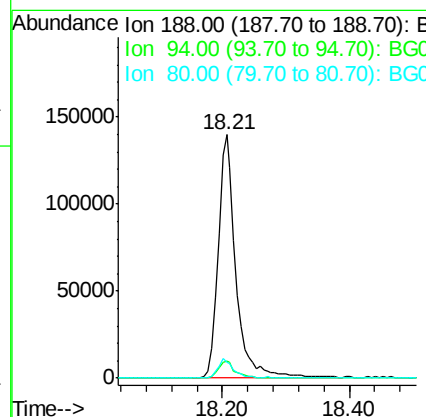
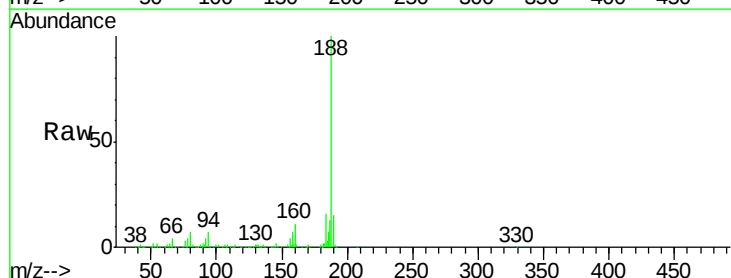
Manual Integrations  
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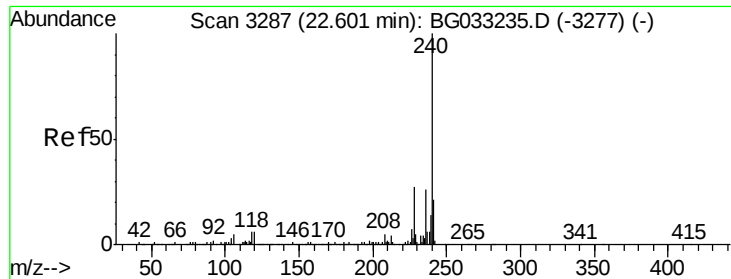
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#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2539  
 Delta R.T. 0.00 min  
 Lab File: BG033814.D  
 Acq: 16 Apr 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.2   | 6.9   | 10.3  |
| 80      | 6.5   | 7.7   | 11.5  |





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BG033814.D

Acq: 16 Apr 2018 13:42

Instrument :

BNA\_G

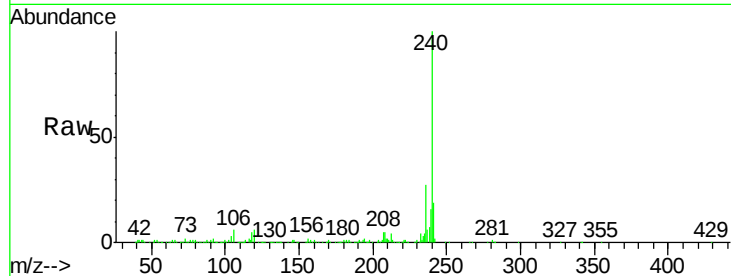
ClientSampleId :

SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.4   | 6.8   | 10.2# |
| 236     | 26.9  | 20.9  | 31.3  |

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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

22.55

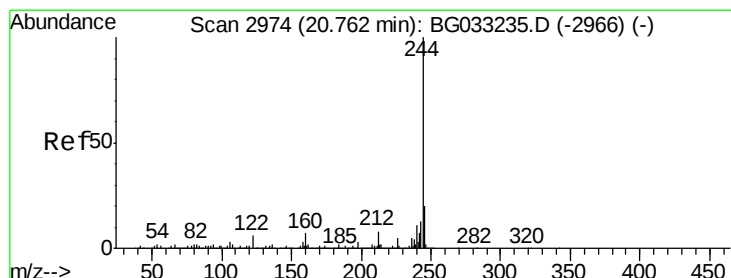
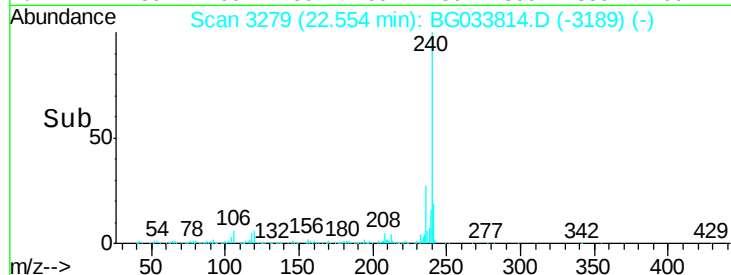
150000

100000

50000

0

Time-->



#78

Terphenyl-d14

Concen: 108.613 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033814.D

Acq: 16 Apr 2018 13:42

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

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

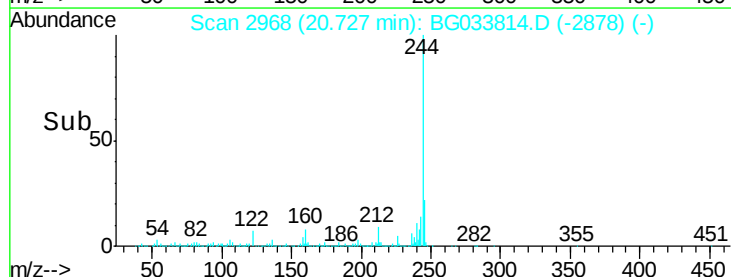
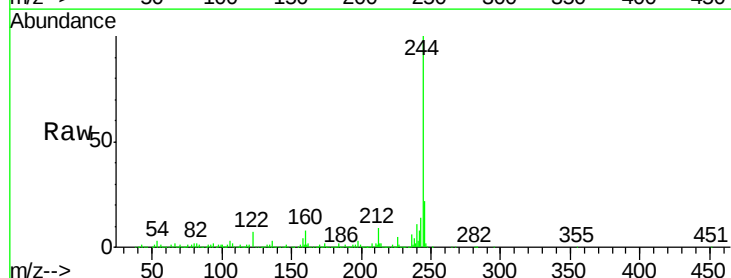
20.73

1000000

500000

0

Time-->





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.32 min Scan# 3920  
 Delta R.T. -0.01 min  
 Lab File: BG033814.D  
 Acq: 16 Apr 2018 13:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 17.4  | 26.0  |
| 265     | 20.8  | 17.7  | 26.5  |

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