

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
 Data File : BG034050.D  
 Acq On : 27 Apr 2018 22:03  
 Operator : SJ/JU  
 Sample : J2455-47  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Manual Integrations  
 APPROVED

Sohil  
 4/30/2018 7:02:56 PM

Quant Time: Apr 28 01:56:54 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  | 45685m   | 20.00  | ng    | -0.08    |
| 21) Naphthalene-d8          | 10.54 | 136  | 203644   | 20.00  | ng    | -0.09    |
| 38) Acenaphthene-d10        | 14.39 | 164  | 159629   | 20.00  | ng    | -0.08    |
| 63) Phenanthrene-d10        | 17.15 | 188  | 465412   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12            | 21.39 | 240  | 527148   | 20.00  | ng    | -0.10    |
| 86) Perylene-d12            | 24.39 | 264  | 534160   | 20.00  | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 371090   | 129.68 | ng    | -0.08    |
| 7) Phenol-d6                | 6.94  | 99   | 384348   | 92.09  | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 8.91  | 82   | 309469   | 86.48  | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol    | 15.89 | 330  | 333246   | 178.94 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl        | 13.01 | 172  | 1090666  | 100.37 | ng    | -0.09    |
| 78) Terphenyl-d14           | 19.78 | 244  | 2511075  | 107.02 | ng    | -0.08    |

Target Compounds Qvalue

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

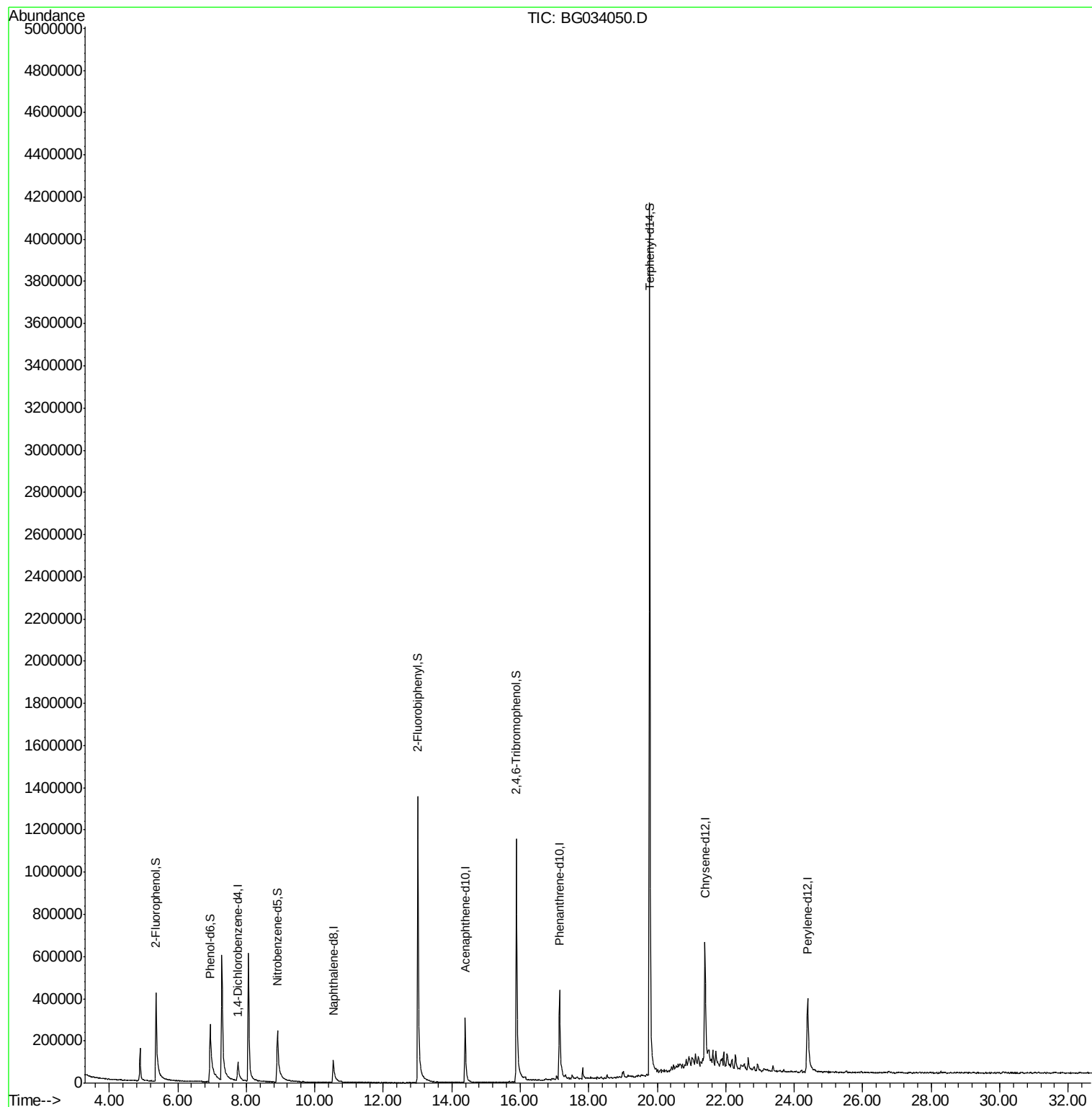
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
Data File : BG034050.D  
Acq On : 27 Apr 2018 22:03  
Operator : SJ/JU  
Sample : J2455-47  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

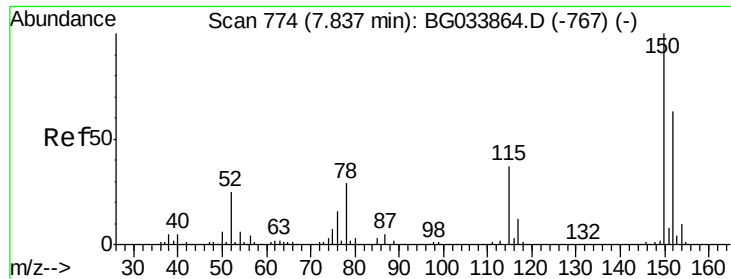
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

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4/30/2018 7:02:56 PM

Quant Time: Apr 28 01:56:54 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

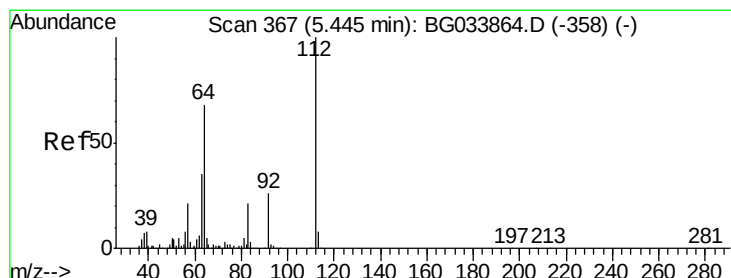
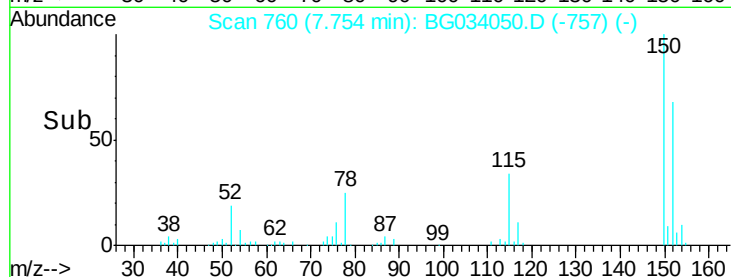
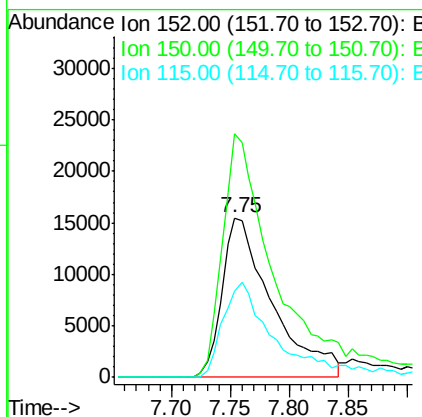
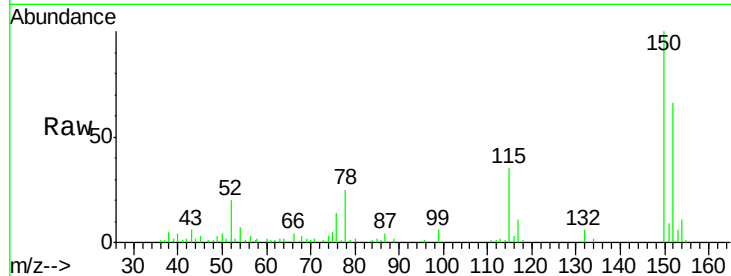
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng/ml  
RT: 7.75 min Scan# 760  
Delta R.T. -0.08 min  
Lab File: BG034050.D  
Acq: 27 Apr 2018 22:03

Instrument :  
BNA\_G  
ClientSampled :  
TP-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.7 | 126.6 | 189.8 |
| 115     | 54.1  | 53.0  | 79.4  |

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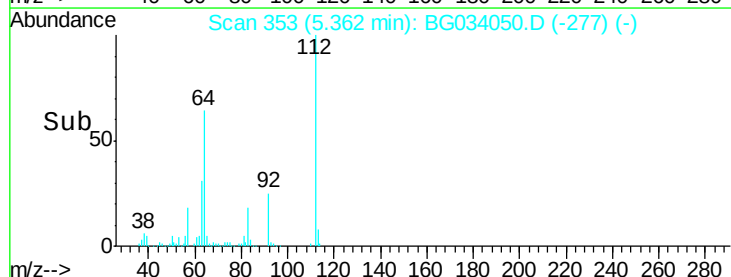
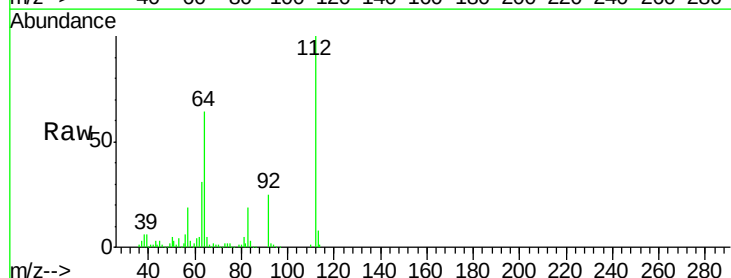
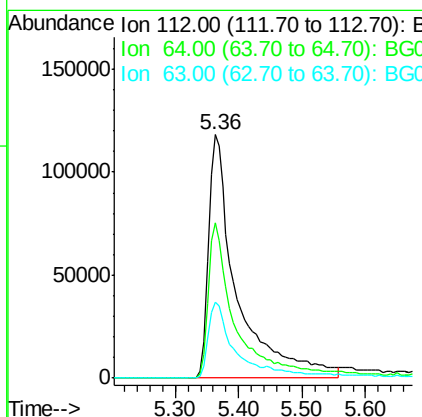
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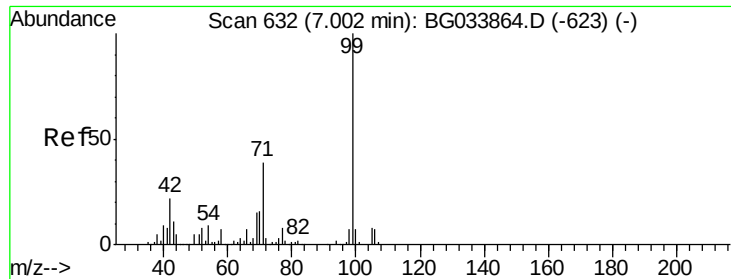


#5

2-Fluorophenol  
Concen: 129.683 ng/ml  
RT: 5.36 min Scan# 353  
Delta R.T. -0.08 min  
Lab File: BG034050.D  
Acq: 27 Apr 2018 22:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.0  | 56.3  | 84.5  |
| 63      | 31.2  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 92.088 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA\_G

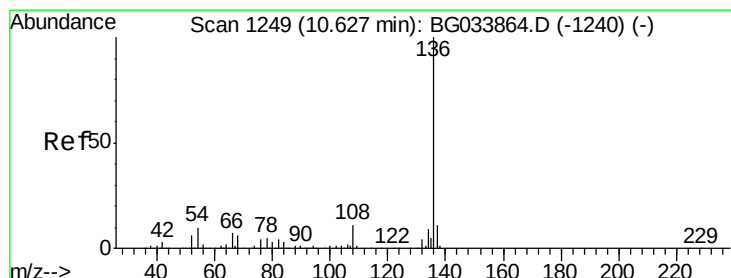
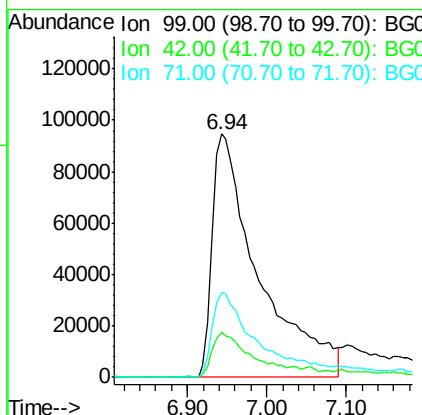
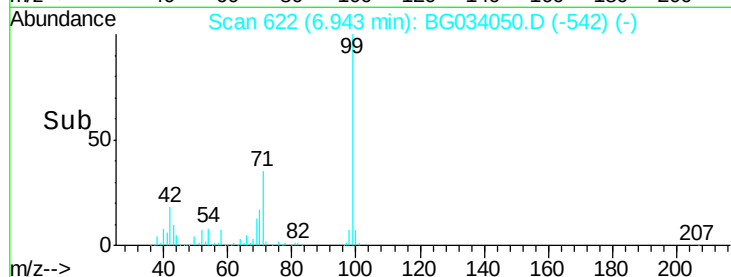
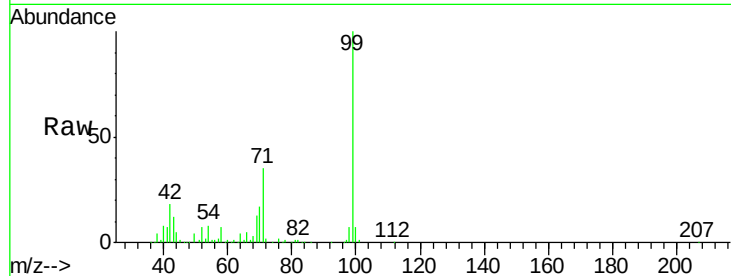
ClientSampled :

TP-4

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 384348 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 18.4  | 14.1  | 21.1   |
| 71       | 35.1  | 26.1  | 39.1   |

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#21

Naphthalene-d8

Concen: 20.000 ng

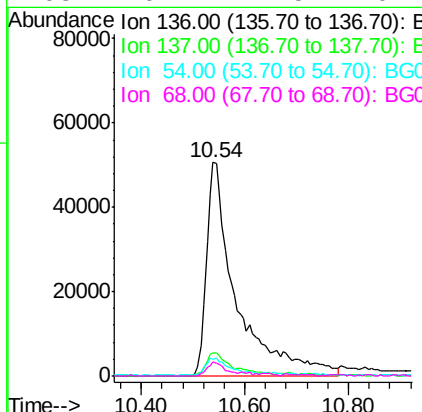
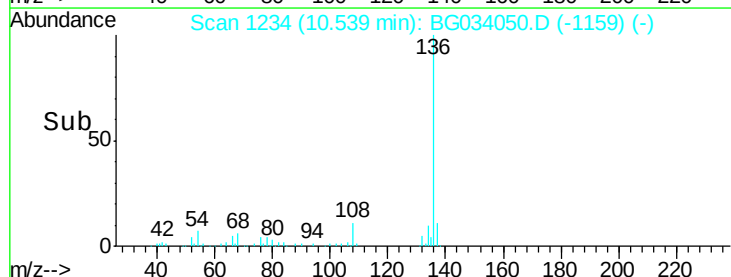
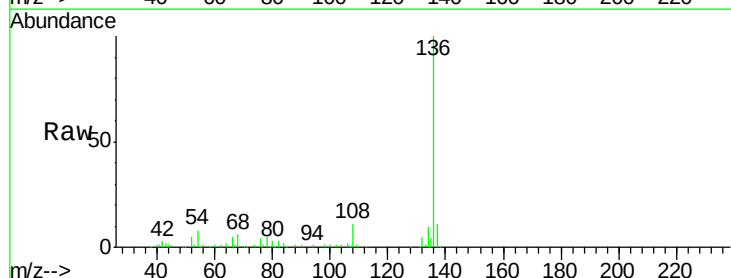
RT: 10.54 min Scan# 1234

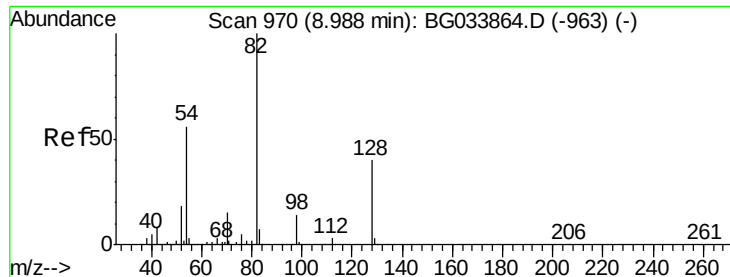
Delta R.T. -0.09 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 203644 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.2   | 13.8   |
| 54       | 7.8   | 10.3  | 15.5#  |
| 68       | 6.4   | 4.5   | 6.7    |





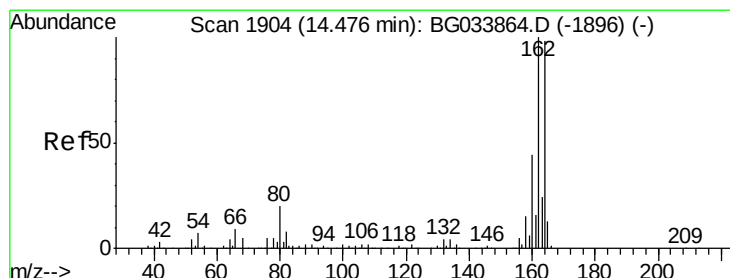
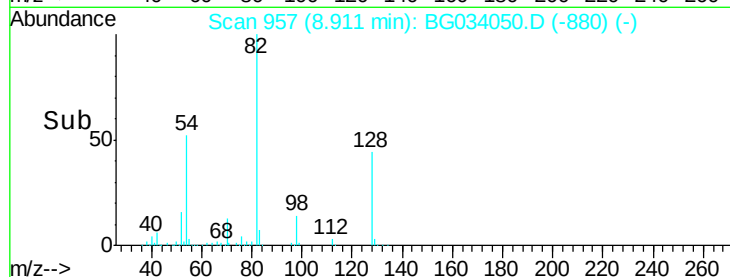
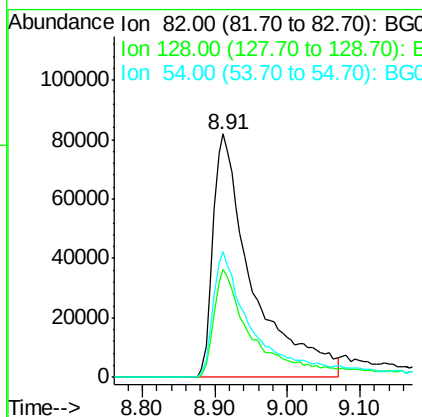
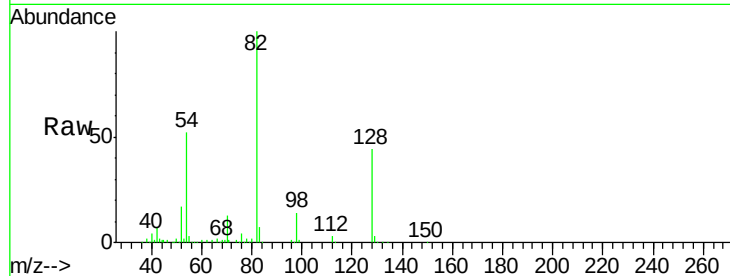
#23  
Nitrobenzene-d5  
Concen: 86.483 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.08 min  
Lab File: BG034050.D  
Acq: 27 Apr 2018 22:03

Instrument :  
BNA\_G  
ClientSampled :  
TP-4

| Tot Ion   | 82   | Resp  | 309469 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 44.4 | 29.7  | 44.5   |
| 54        | 51.7 | 43.1  | 64.7   |

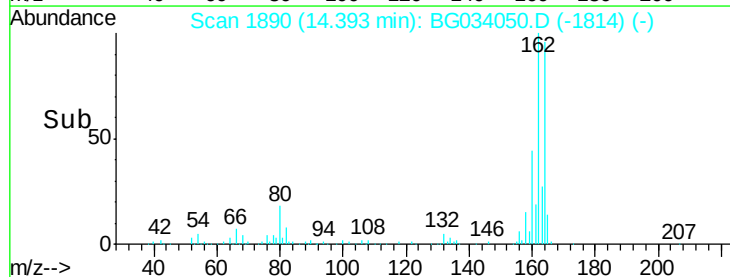
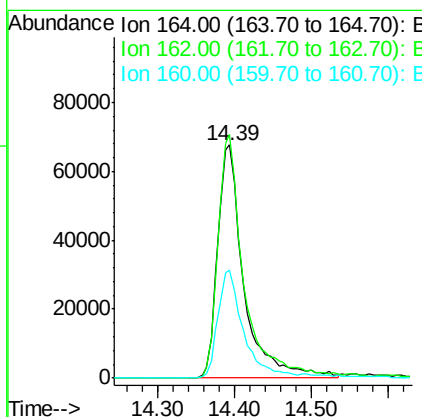
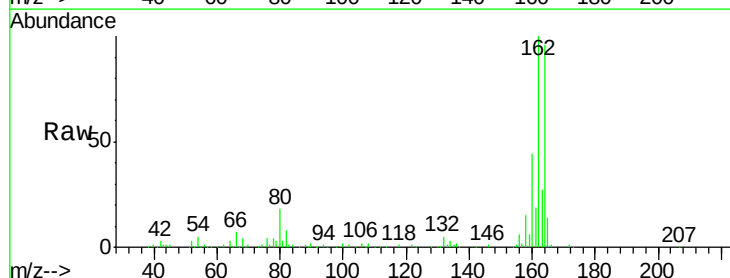
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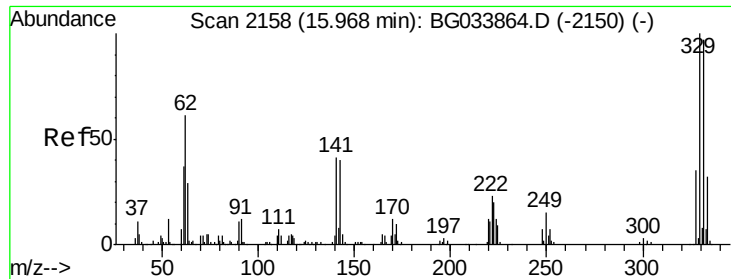
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.39 min Scan# 1890  
Delta R.T. -0.08 min  
Lab File: BG034050.D  
Acq: 27 Apr 2018 22:03

| Tgt Ion                                              | 164   | Resp  | 159629 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 104.4 | 78.8  | 118.2  |
| 160                                                  | 46.1  | 35.4  | 53.0   |





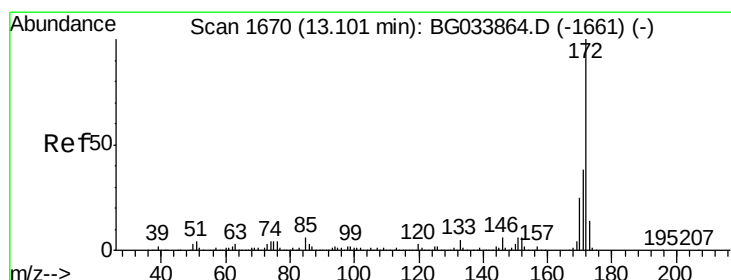
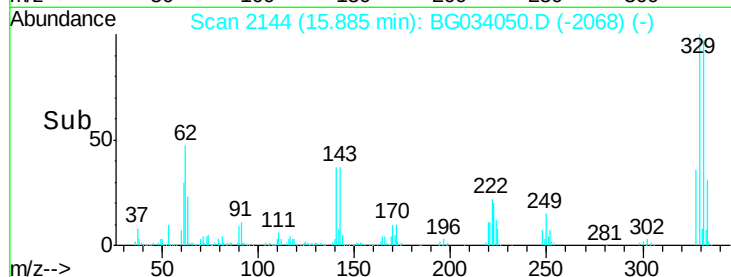
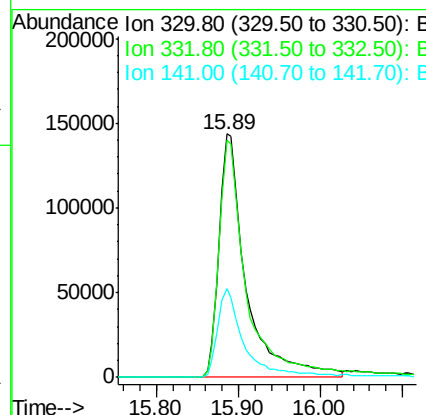
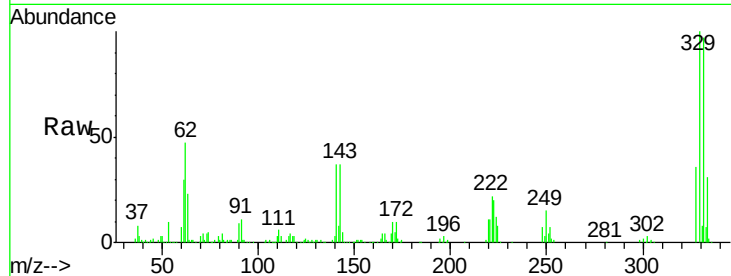
#41  
 2,4,6-Tribromophenol  
 Concen: 178.941 ng  
 RT: 15.89 min Scan# 2144  
 Delta R.T. -0.08 min  
 Lab File: BG034050.D  
 Acq: 27 Apr 2018 22:03

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 103.0 | 77.0  | 115.6 |
| 141     | 36.3  | 25.2  | 37.8  |

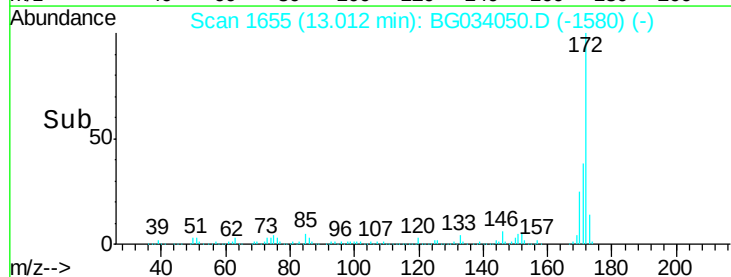
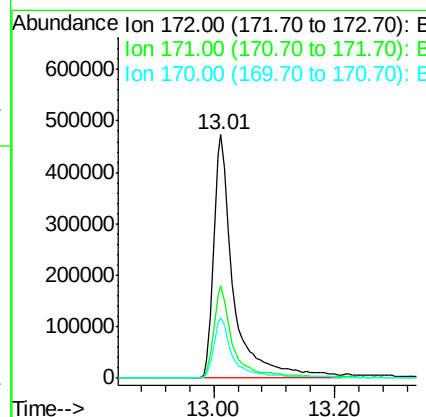
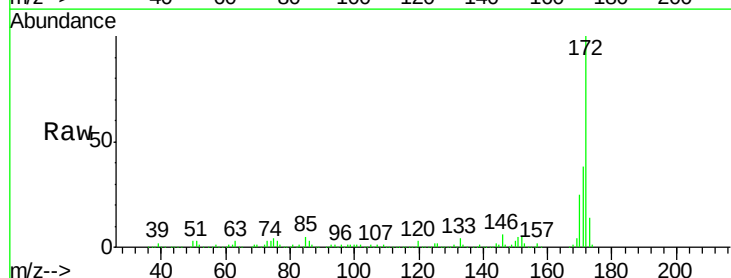
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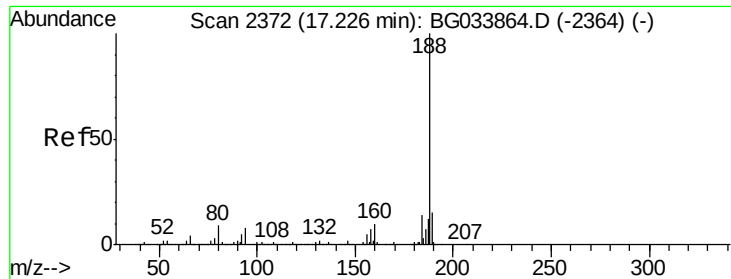
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#44  
 2-Fluorobiphenyl  
 Concen: 100.371 ng  
 RT: 13.01 min Scan# 1655  
 Delta R.T. -0.09 min  
 Lab File: BG034050.D  
 Acq: 27 Apr 2018 22:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 30.0  | 45.0  |
| 170     | 25.1  | 19.5  | 29.3  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA\_G

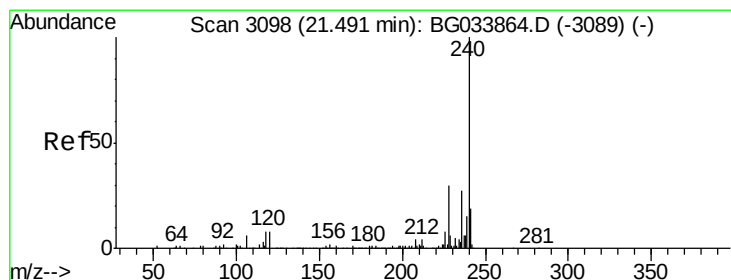
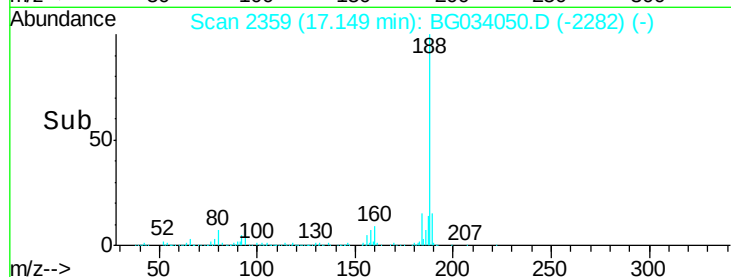
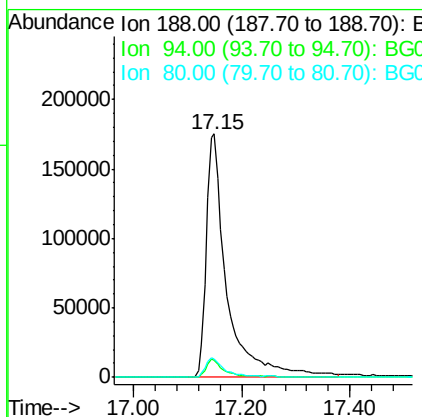
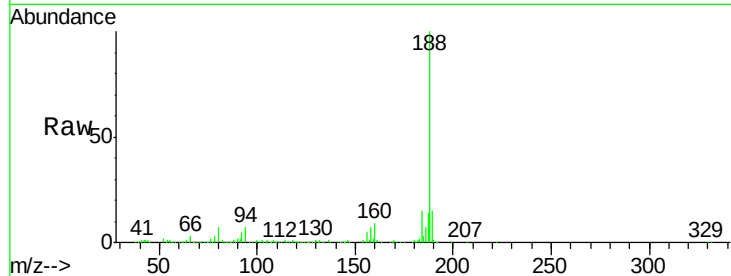
ClientSampled :

TP-4

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 465412 |       |       |
| 94      | 7.2   |        | 6.9   | 10.3  |
| 80      | 7.4   |        | 7.7   | 11.5# |

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#75

Chrysene-d12

Concen: 20.000 ng

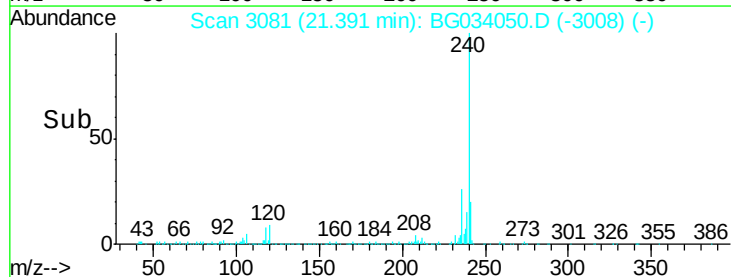
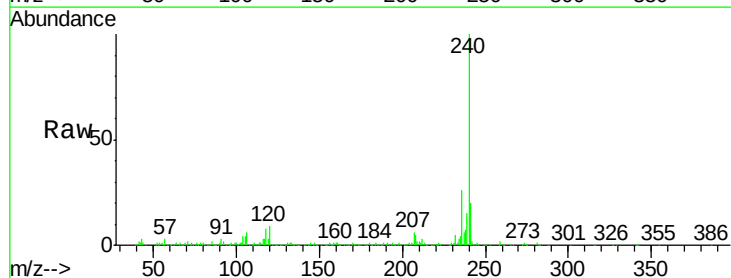
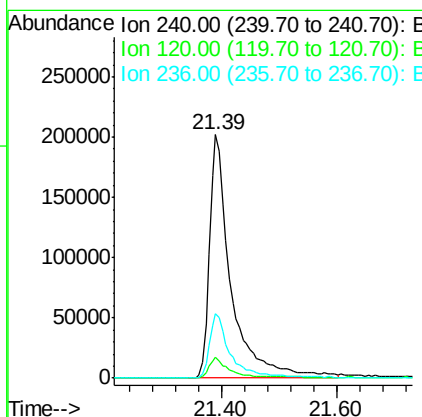
RT: 21.39 min Scan# 3081

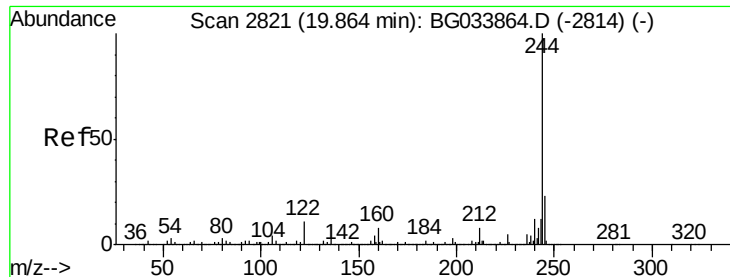
Delta R.T. -0.10 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 527148 |       |       |
| 120     | 8.7   |        | 6.8   | 10.2  |
| 236     | 26.3  |        | 20.9  | 31.3  |





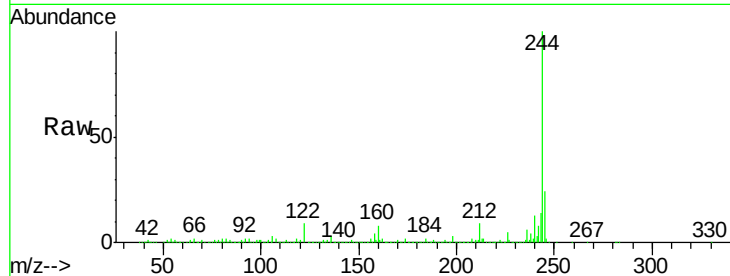
#78  
 Terphenyl-d14  
 Concen: 107.018 ng  
 RT: 19.78 min Scan# 2807  
 Delta R.T. -0.08 min  
 Lab File: BG034050.D  
 Acq: 27 Apr 2018 22:03

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-4

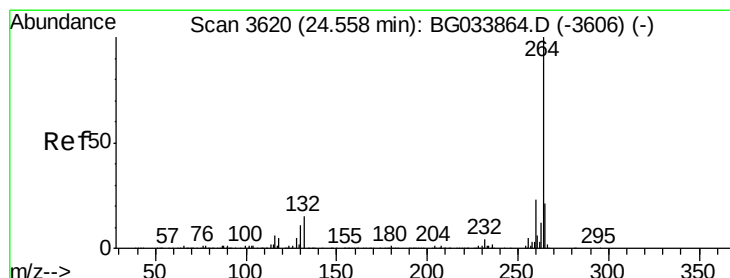
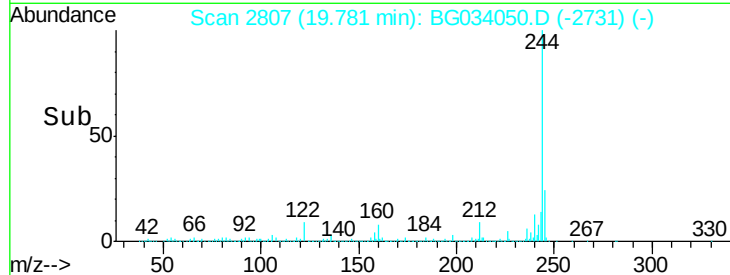
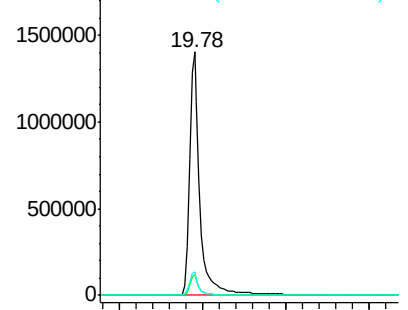
Tot Ion:244 Resp: 2511075  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 5.8 8.8  
 122 9.4 7.0 10.4

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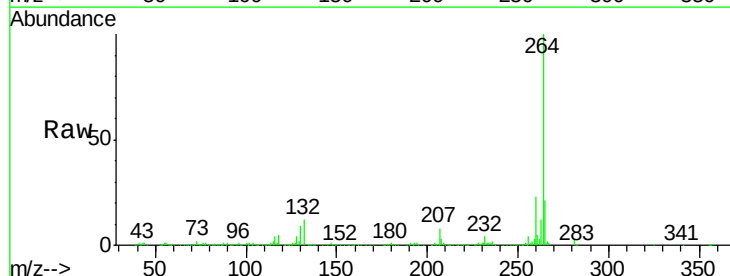


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.39 min Scan# 3591  
 Delta R.T. -0.17 min  
 Lab File: BG034050.D  
 Acq: 27 Apr 2018 22:03

Tgt Ion:264 Resp: 534160  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 17.4 26.0  
 265 21.1 17.7 26.5



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

