

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091517\  
 Data File : BG028784.D  
 Acq On : 16 Sep 2017 3:23  
 Operator : SJ/JU  
 Sample : I5187-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20170608-COMP-A

Manual Integrations  
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Sohil  
 9/18/2017 3:31:55 PM

Quant Time: Sep 16 06:22:00 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 28227    | 20.00  | ng    | -0.04       |
| 21) Naphthalene-d8          | 11.11 | 136  | 117548   | 20.00  | ng    | -0.04       |
| 38) Acenaphthene-d10        | 14.91 | 164  | 91130    | 20.00  | ng    | -0.04       |
| 63) Phenanthrene-d10        | 17.66 | 188  | 264410   | 20.00  | ng    | -0.04       |
| 75) Chrysene-d12            | 21.98 | 240  | 309250   | 20.00  | ng    | -0.05       |
| 86) Perylene-d12            | 25.46 | 264  | 312424   | 20.00  | ng    | -0.07       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.86  | 112  | 261732   | 153.00 | ng    | -0.04       |
| 7) Phenol-d6                | 7.44  | 99   | 361396   | 140.31 | ng    | -0.05       |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 215302   | 87.62  | ng    | -0.04       |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 237117   | 157.32 | ng    | -0.04       |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 472993   | 69.21  | ng    | -0.04       |
| 78) Terphenyl-d14           | 20.25 | 244  | 891012   | 61.44  | ng    | -0.03       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.47  | 94   | 12002    | 4.415  | ng    | Qvalue # 78 |
| 20) 3+4-Methylphenols       | 9.06  | 107  | 6667m    | 2.683  | ng    |             |
| 49) Dimethylphthalate       | 14.35 | 163  | 52753    | 6.903  | ng    | 98          |

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

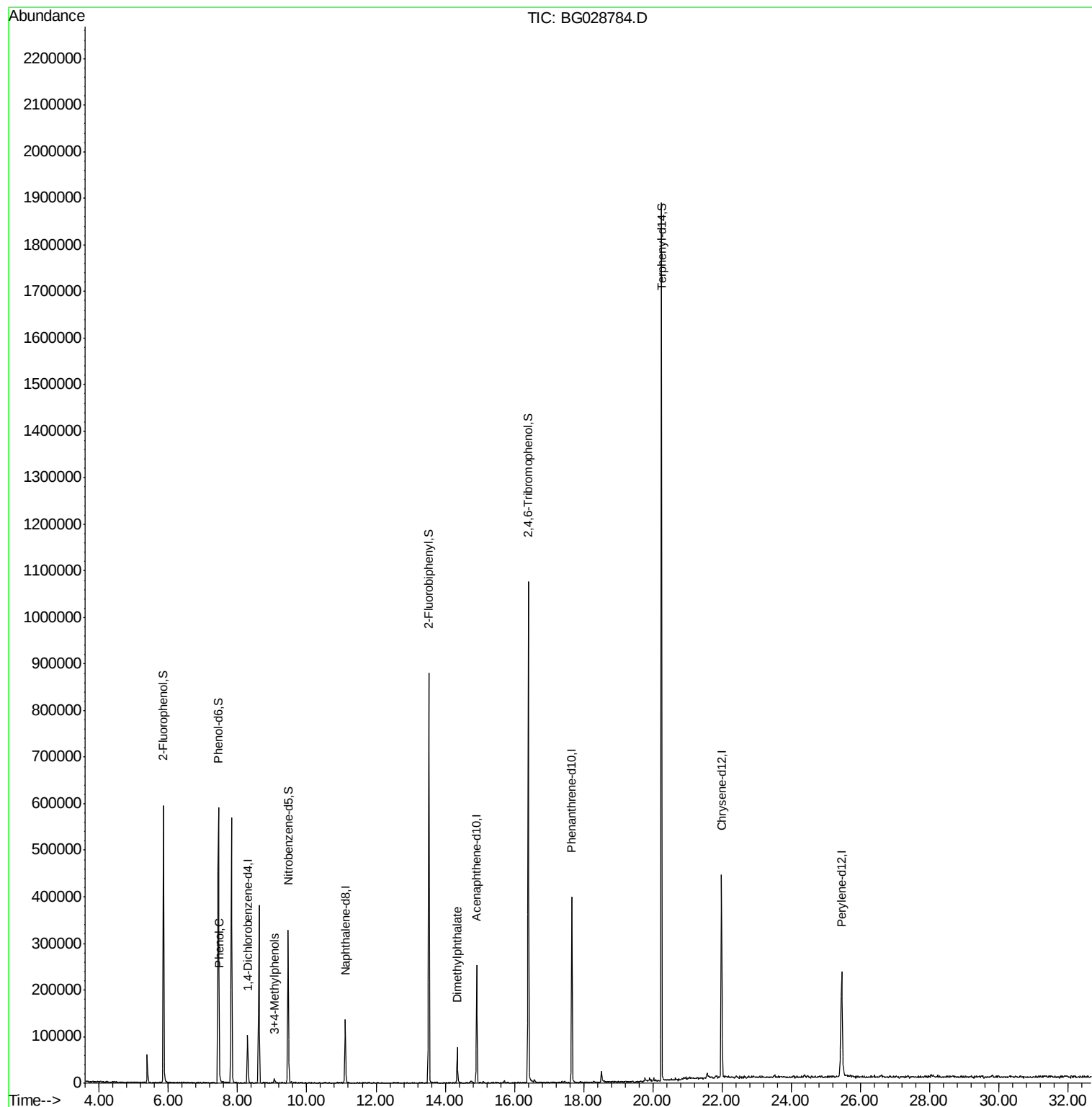
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091517\  
Data File : BG028784.D  
Acq On : 16 Sep 2017 3:23  
Operator : SJ/JU  
Sample : I5187-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

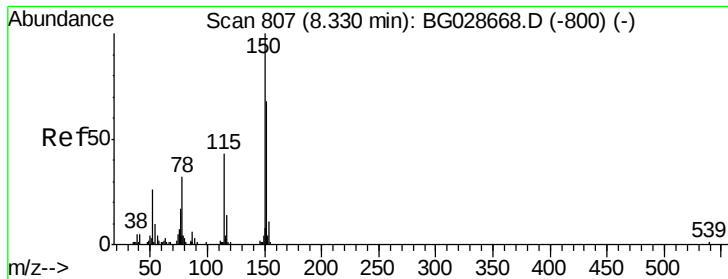
Instrument :  
BNA\_G  
ClientSampleId :  
20170608-COMP-A

Manual Integrations  
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9/18/2017 3:31:55 PM

Quant Time: Sep 16 06:22:00 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

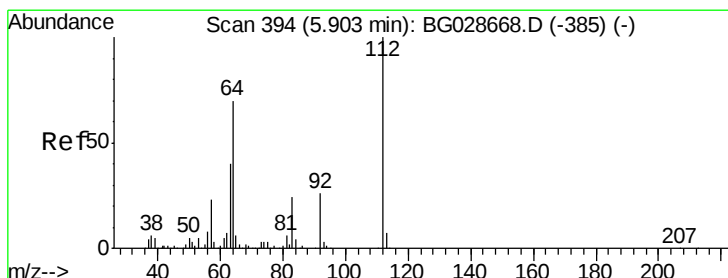
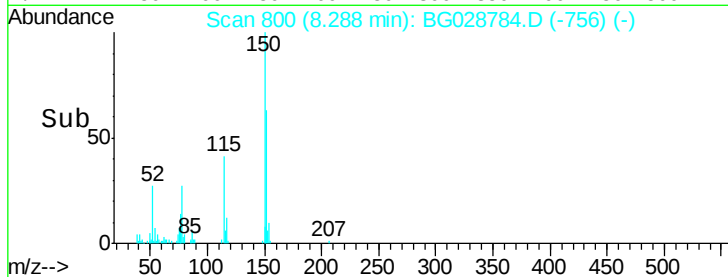
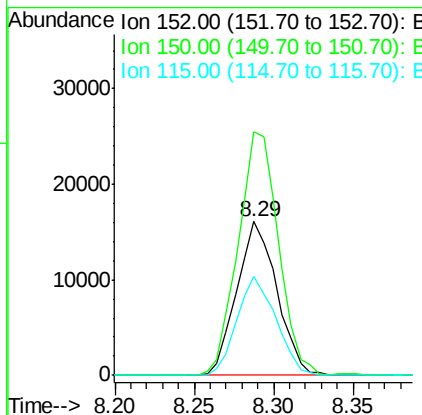
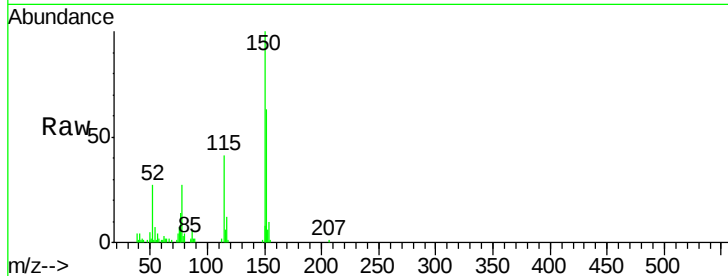
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 800  
Delta R.T. -0.04 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

Instrument :  
BNA\_G  
ClientSampleId :  
20170608-COMP-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 114.0 | 171.0 |
| 115     | 64.4  | 48.1  | 72.1  |

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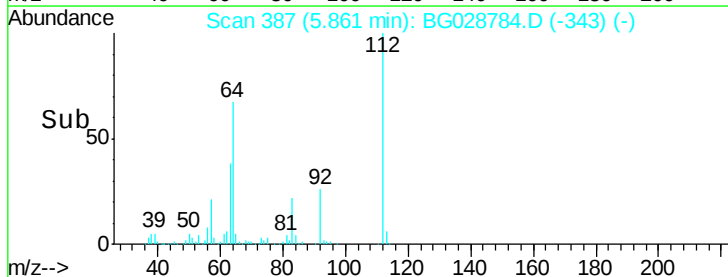
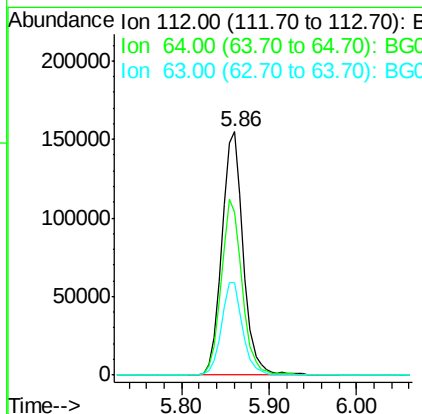
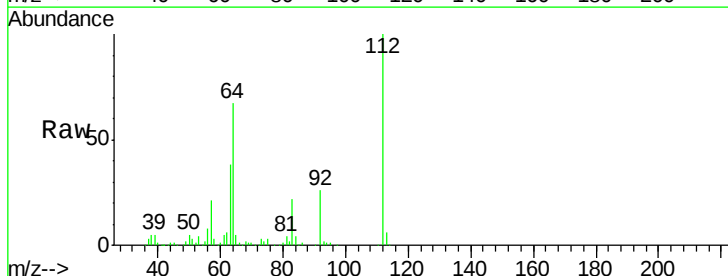
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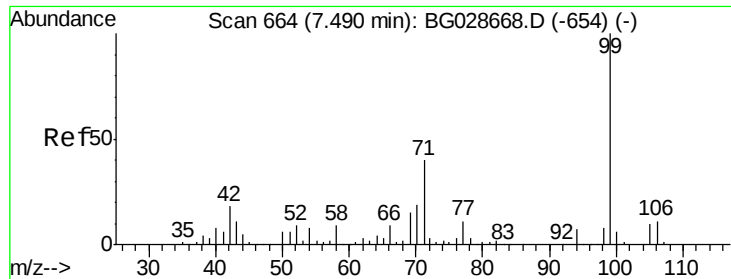


#5

2-Fluorophenol  
Concen: 152.999 ng  
RT: 5.86 min Scan# 387  
Delta R.T. -0.04 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.1  | 61.8  | 92.6  |
| 63      | 38.1  | 37.2  | 55.8  |





#7

Phenol-d6

Concen: 140.314 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028784.D

Acq: 16 Sep 2017 3:23

Instrument :

BNA\_G

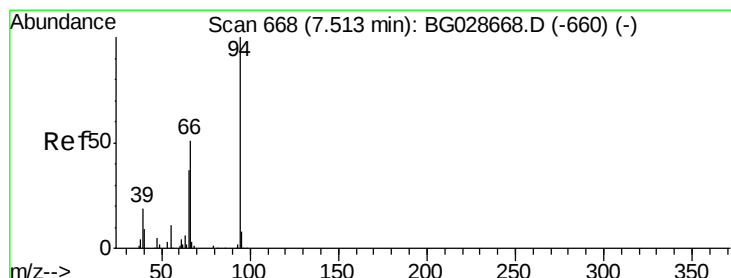
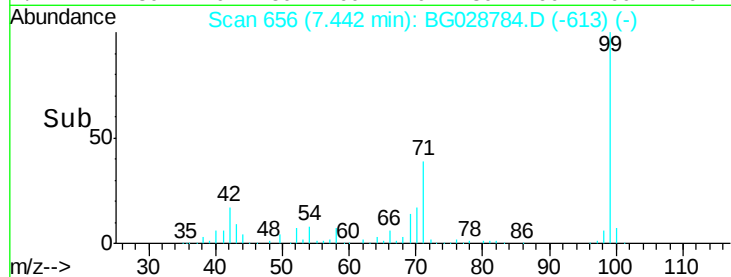
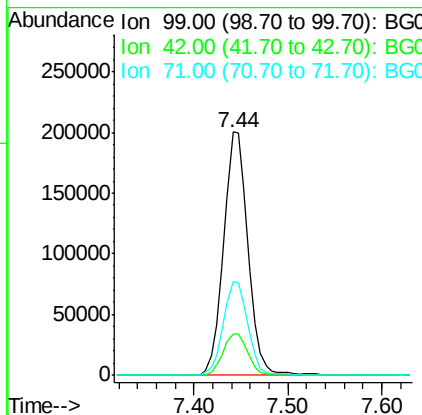
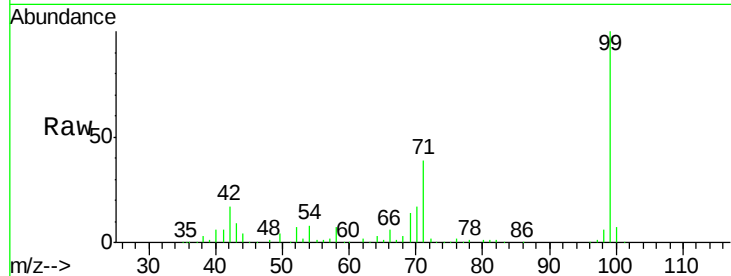
ClientSampleId :

20170608-COMP-A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 361396 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.0  | 20.5  | 30.7#  |
| 71        | 38.5  | 37.6  | 56.4   |

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#10

Phenol

Concen: 4.415 ng

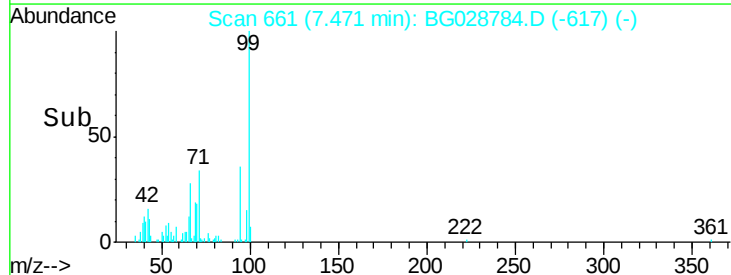
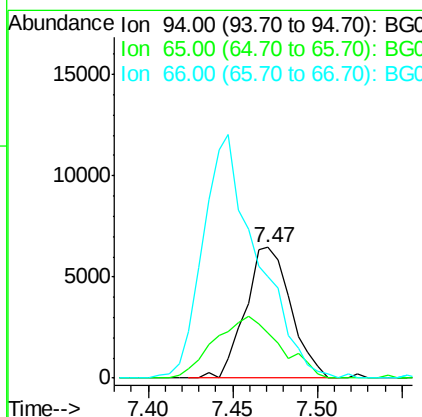
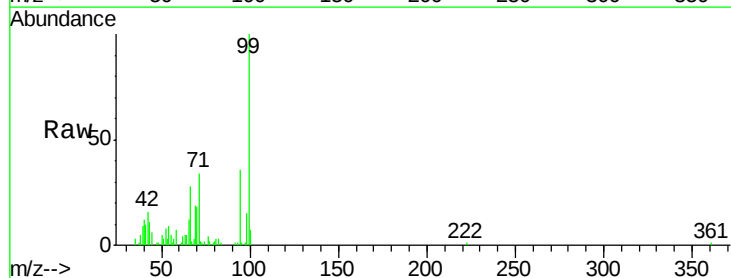
RT: 7.47 min Scan# 661

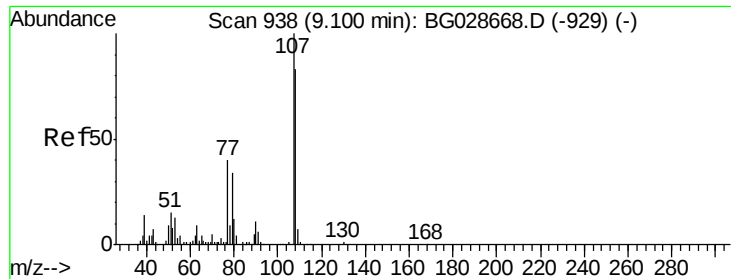
Delta R.T. -0.04 min

Lab File: BG028784.D

Acq: 16 Sep 2017 3:23

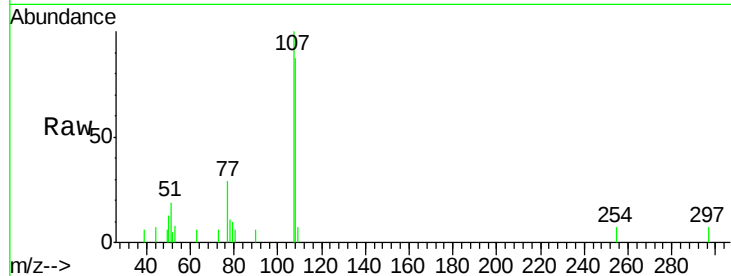
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 12002 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 34.3  | 20.6  | 60.6  |
| 66        | 77.6  | 35.5  | 75.5# |





#20  
3+4-Methylphenols  
Concen: 2.683 ng m  
RT: 9.06 min Scan# 932  
Delta R.T. -0.04 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

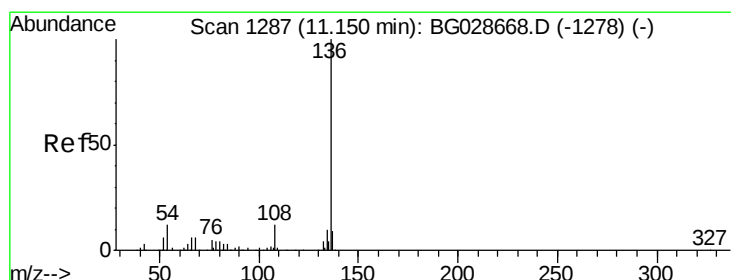
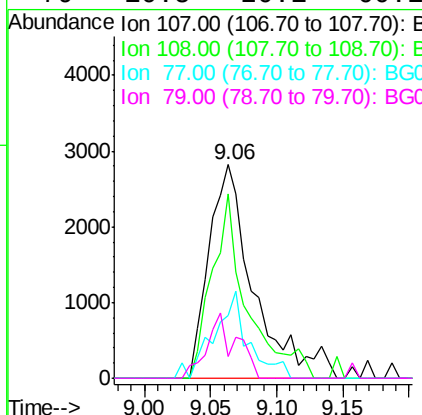
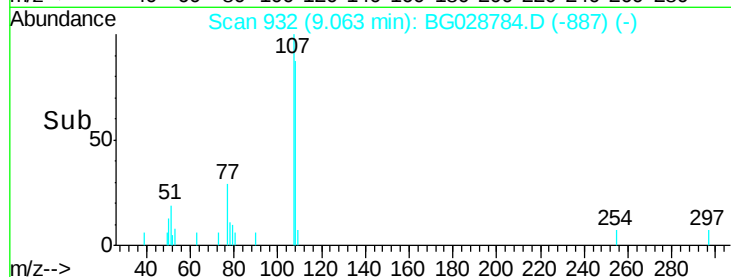
Instrument :  
BNA\_G  
ClientSampleId :  
20170608-COMP-A



| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   | 6667 |       |       |
| 108     | 86.6  | 70.8 | 110.8 |       |
| 77      | 29.4  | 25.8 | 65.8  |       |
| 79      | 10.5  | 20.1 | 60.1  | #     |

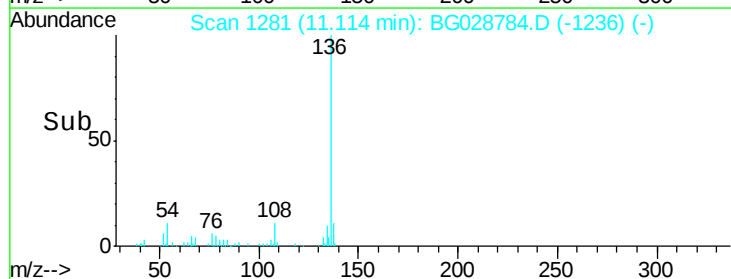
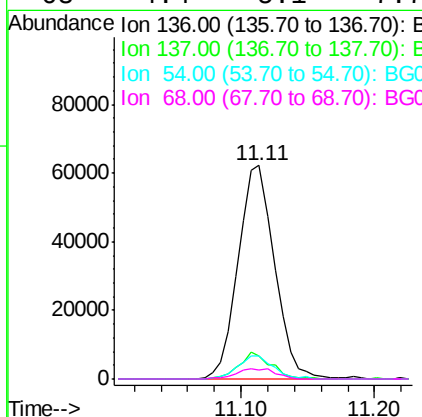
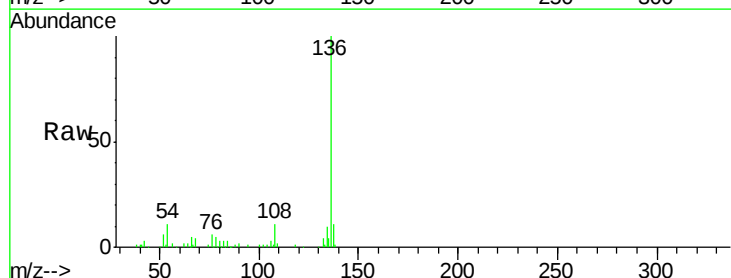
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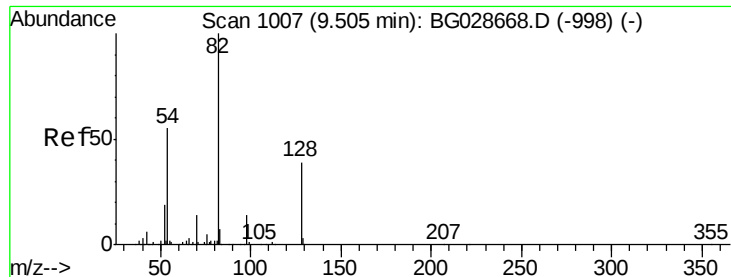
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1281  
Delta R.T. -0.04 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 117548 |       |       |
| 137     | 10.7  | 8.9    | 13.3  |       |
| 54      | 10.8  | 9.3    | 13.9  |       |
| 68      | 4.4   | 5.1    | 7.7   | #     |





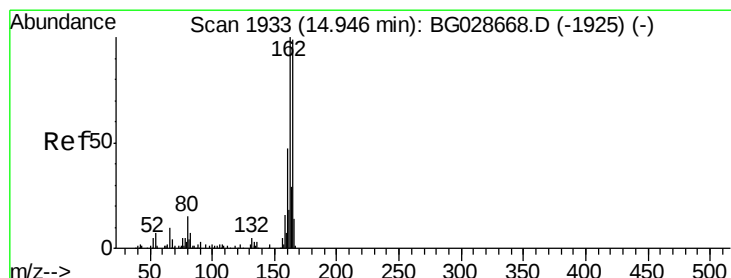
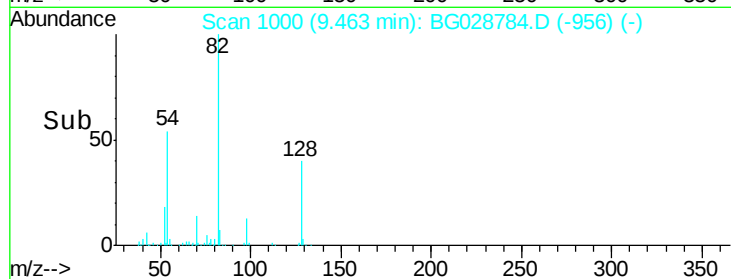
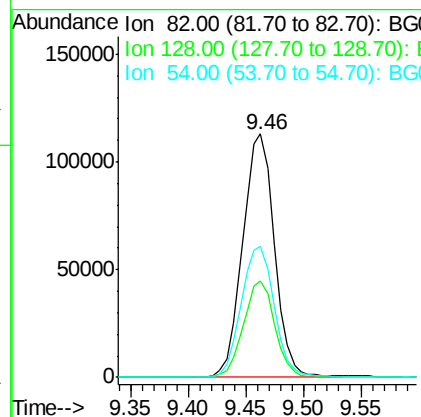
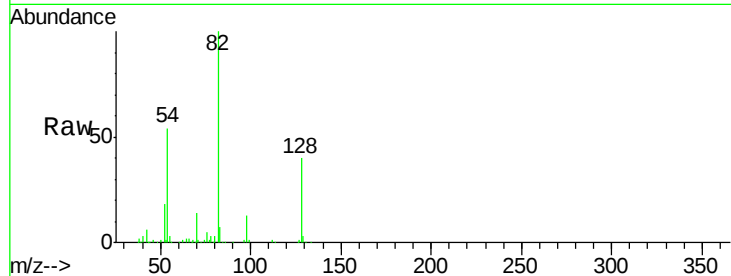
#23  
 Nitrobenzene-d5  
 Concen: 87.619 ng  
 RT: 9.46 min Scan# 1000  
 Delta R.T. -0.04 min  
 Lab File: BG028784.D  
 Acq: 16 Sep 2017 3:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20170608-COMP-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 215302 |       |       |
| 128     | 39.8  | 26.4   | 39.6# |       |
| 54      | 53.8  | 49.4   | 74.2  |       |

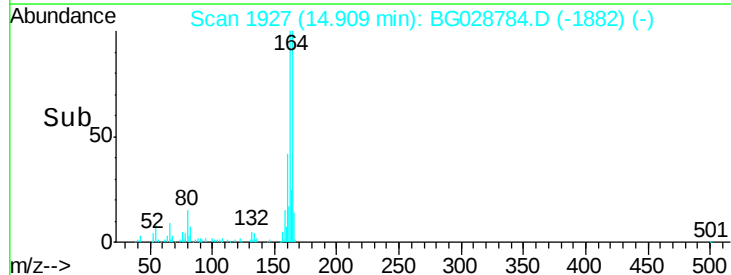
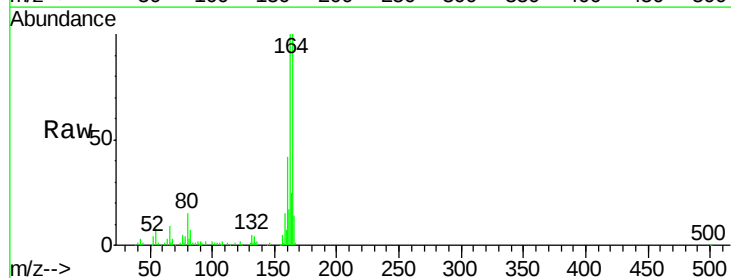
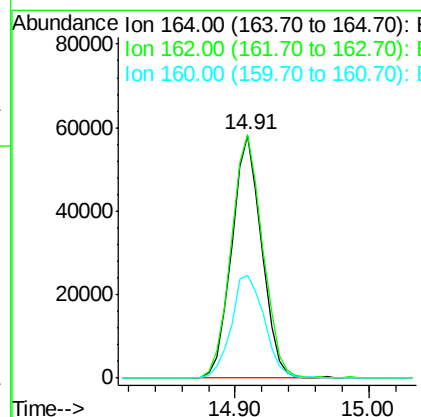
Manual Integrations  
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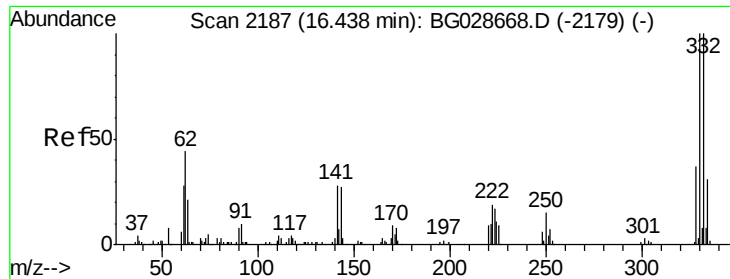
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.91 min Scan# 1927  
 Delta R.T. -0.04 min  
 Lab File: BG028784.D  
 Acq: 16 Sep 2017 3:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 91130 |       |       |
| 162     | 100.5 | 85.1  | 127.7 |       |
| 160     | 42.6  | 34.7  | 52.1  |       |





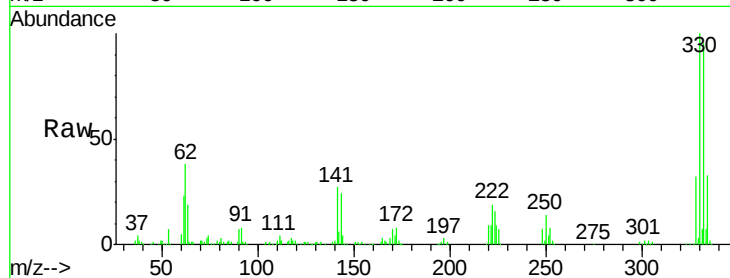
#41  
 2,4,6-Tribromophenol  
 Concen: 157.319 ng  
 RT: 16.40 min Scan# 2181  
 Delta R.T. -0.04 min  
 Lab File: BG028784.D  
 Acq: 16 Sep 2017 3:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20170608-COMP-A

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 330 | 100  |       | 237117 |       |       |
| 332 | 97.2 | 77.3  | 115.9  |       |       |
| 141 | 30.0 | 32.1  | 48.1#  |       |       |

Manual Integrations  
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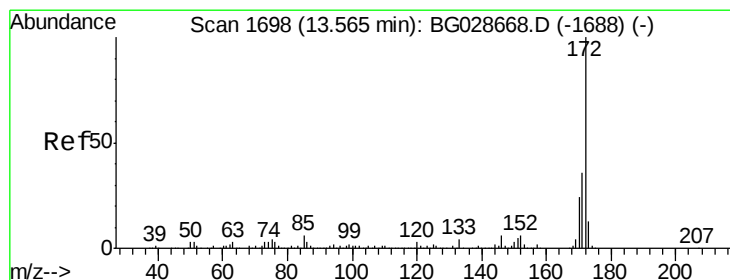
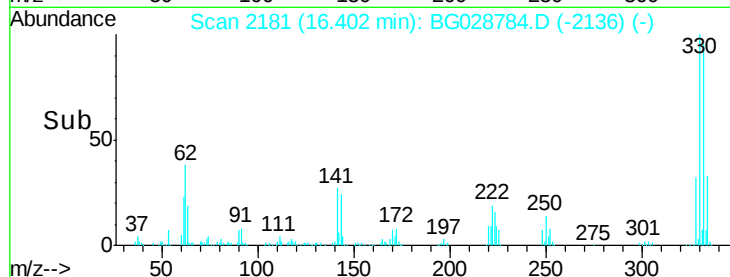
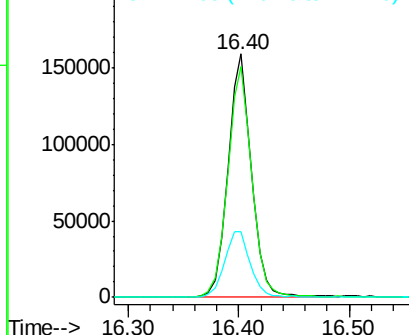


Abundance

Ion 329.80 (329.50 to 330.50): E

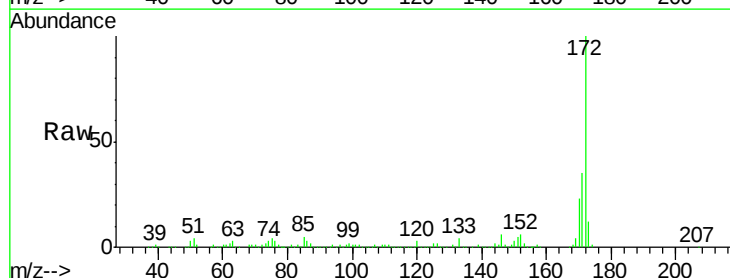
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 69.209 ng  
 RT: 13.53 min Scan# 1692  
 Delta R.T. -0.04 min  
 Lab File: BG028784.D  
 Acq: 16 Sep 2017 3:23

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 172 | 100  |       | 472993 |       |       |
| 171 | 35.4 | 32.2  | 48.2   |       |       |
| 170 | 22.8 | 21.8  | 32.6   |       |       |

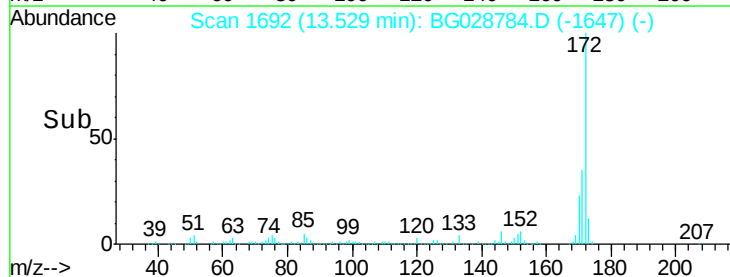
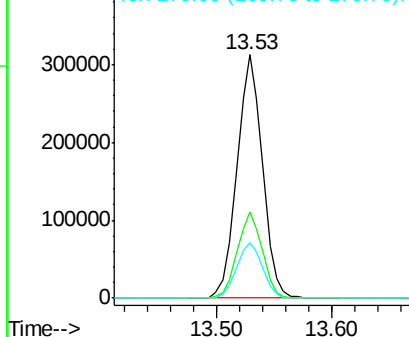


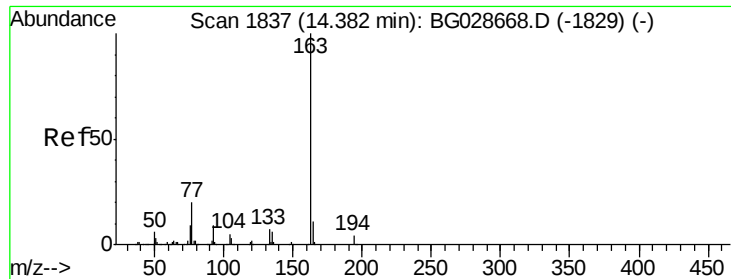
Abundance

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





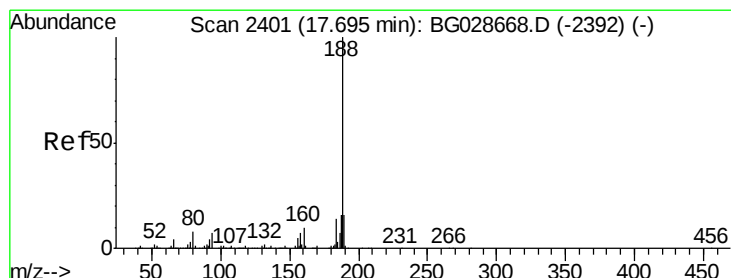
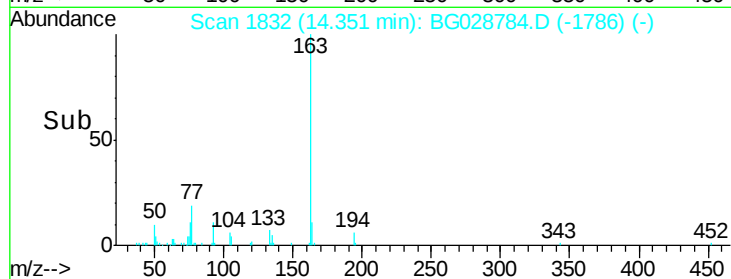
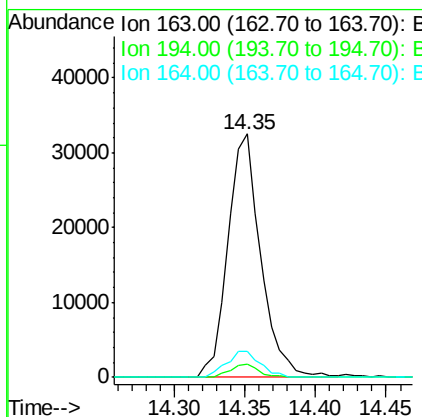
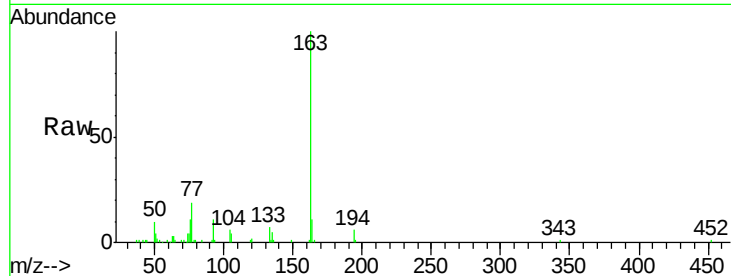
#49  
Dimethylphthalate  
Concen: 6.903 ng  
RT: 14.35 min Scan# 1832  
Delta R.T. -0.03 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

Instrument :  
BNA\_G  
ClientSampleId :  
20170608-COMP-A

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 5.6   | 3.8        | 5.6        |
| 164     | 10.8  | 9.3        | 13.9       |

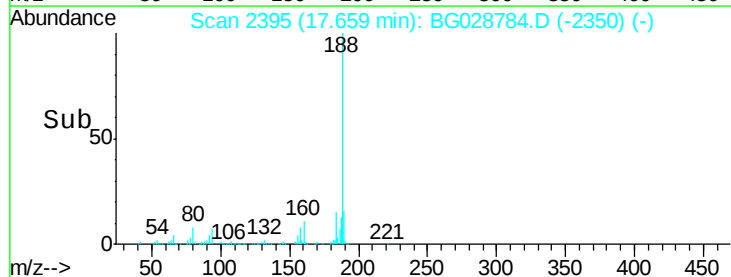
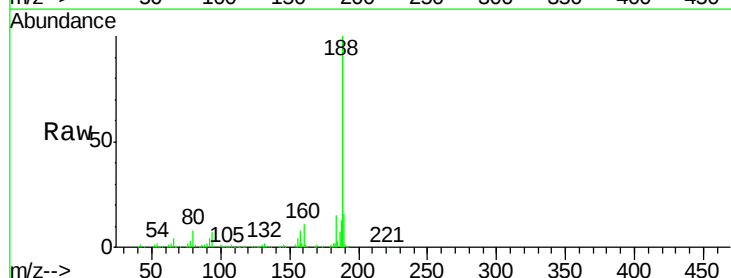
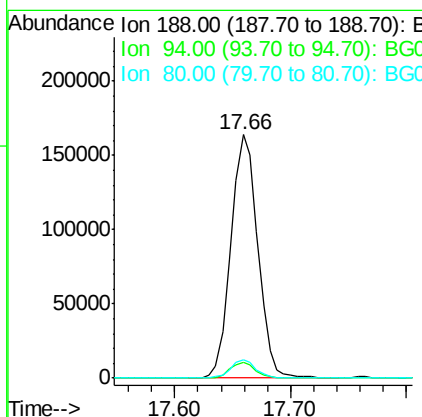
Manual Integrations  
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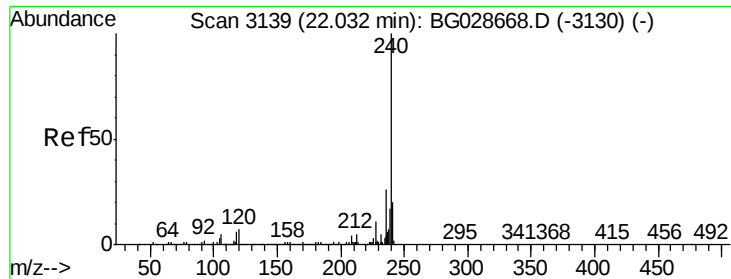
Sohil  
9/18/2017 3:31:55 PM



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.66 min Scan# 2395  
Delta R.T. -0.04 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 6.5   | 5.8        | 8.8        |
| 80      | 7.8   | 7.5        | 11.3       |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028784.D

Acq: 16 Sep 2017 3:23

Instrument :

BNA\_G

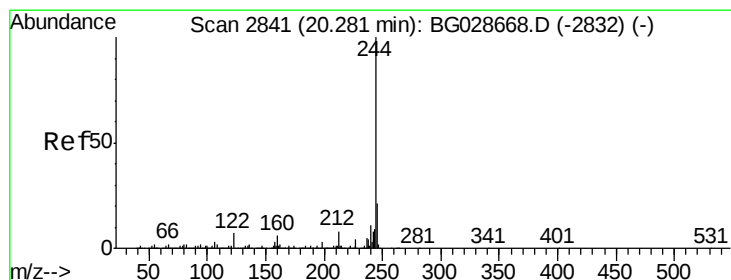
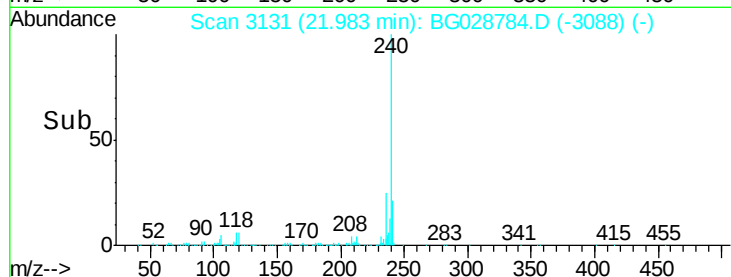
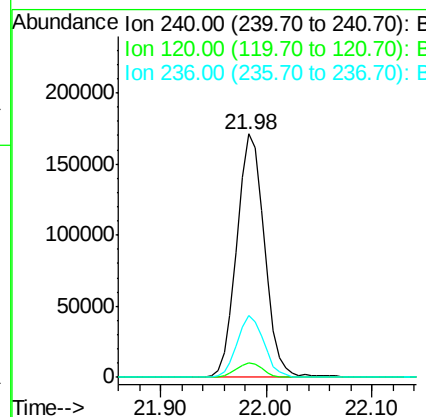
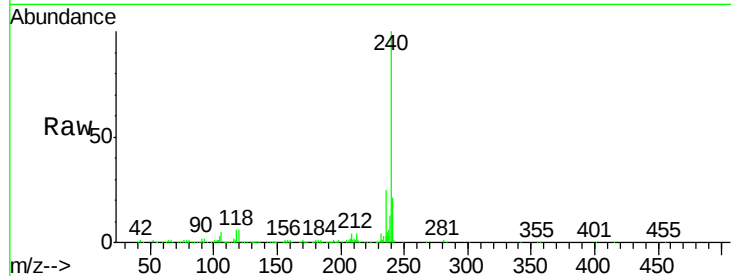
ClientSampleId :

20170608-COMP-A

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 240  | Resp: | 309250 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 5.8  | 5.7   | 8.5    |
| 236       | 25.4 | 22.2  | 33.4   |

Manual Integrations  
APPROVED

Sohil  
9/18/2017 3:31:55 PM



#78

Terphenyl-d14

Concen: 61.444 ng

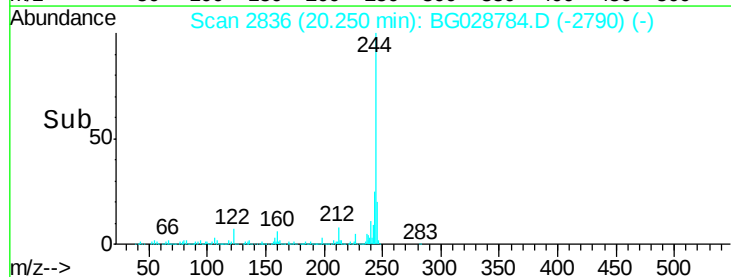
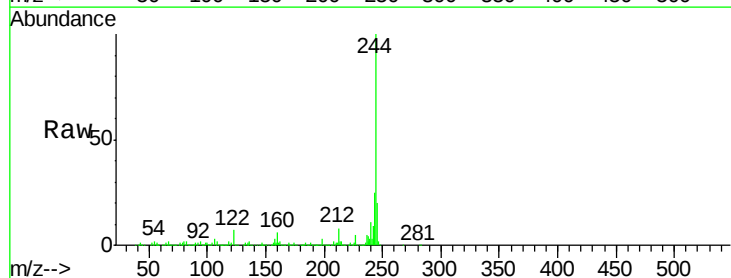
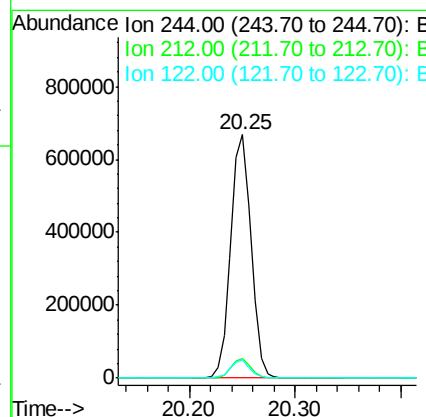
RT: 20.25 min Scan# 2836

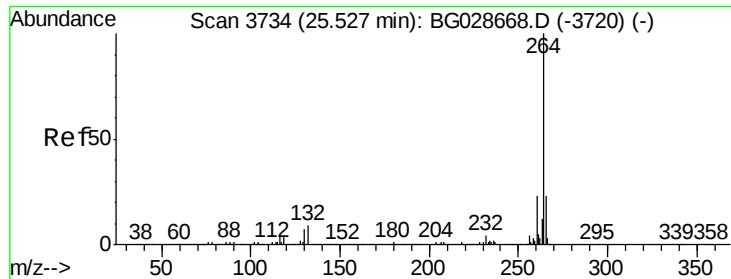
Delta R.T. -0.03 min

Lab File: BG028784.D

Acq: 16 Sep 2017 3:23

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 244 | Resp: | 891012 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 7.9 | 10.0  | 15.0#  |
| 122       | 7.3 | 8.6   | 12.8#  |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.46 min Scan# 3723  
Delta R.T. -0.07 min  
Lab File: BG028784.D  
Acq: 16 Sep 2017 3:23

Instrument :  
BNA\_G  
ClientSampleId :  
20170608-COMP-A

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 22.8  | 21.8       | 32.8       |
| 265     | 20.4  | 18.2       | 27.4       |

Manual Integrations  
APPROVED

Sohil  
9/18/2017 3:31:55 PM

