

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG052620\  
 Data File : BG045470.D  
 Acq On : 26 May 2020 23:40  
 Operator : CG/JU  
 Sample : L2745-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NM63-COMP-2020-0-6

Manual Integrations  
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 5/27/2020 11:48:37 AM

Quant Time: May 27 02:38:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 26 14:16:30 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 88978    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.77 | 136  | 357389   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.60 | 164  | 242777   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.35 | 188  | 517937   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.61 | 240  | 479160   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 24.76 | 264  | 526896   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 360815   | 79.25 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 562894   | 86.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.12  | 82   | 402435   | 61.40 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.10 | 330  | 266802   | 85.93 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.23 | 172  | 938691   | 65.58 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.97 | 244  | 1354832  | 65.95 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate       | 14.06 | 163  | 125530   | 7.54  | ng    | 96       |
| 75) Fluoranthene            | 19.41 | 202  | 131736   | 4.58  | ng    | 98       |
| 78) Pyrene                  | 19.77 | 202  | 131692   | 4.82  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.59 | 228  | 98557    | 3.69  | ng    | 95       |
| 83) Chrysene                | 21.66 | 228  | 83041    | 3.24  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.77 | 252  | 128434m  | 4.55  | ng    |          |
| 90) Benzo(a)pyrene          | 24.61 | 252  | 89064    | 3.38  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene    | 29.43 | 276  | 62035    | 2.35  | ng    | 95       |

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

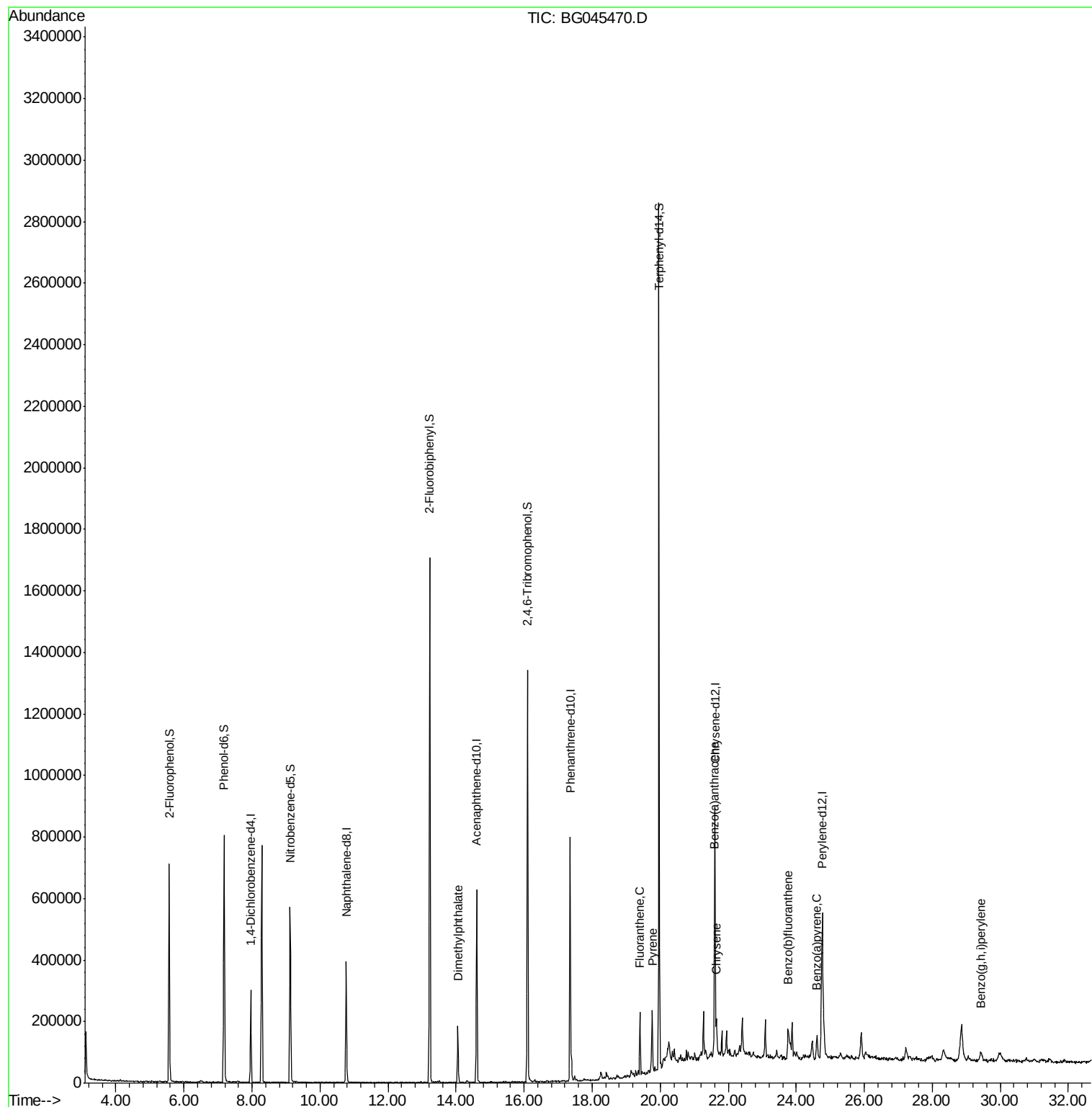
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG052620\  
Data File : BG045470.D  
Acq On : 26 May 2020 23:40  
Operator : CG/JU  
Sample : L2745-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

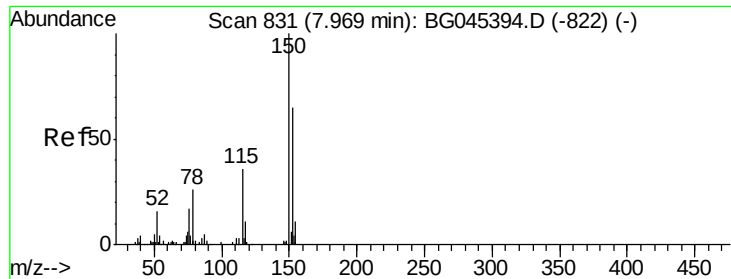
Instrument :  
BNA\_G  
ClientSampleId :  
NM63-COMP-2020-0-6

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG051520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 26 14:16:30 2020  
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#1

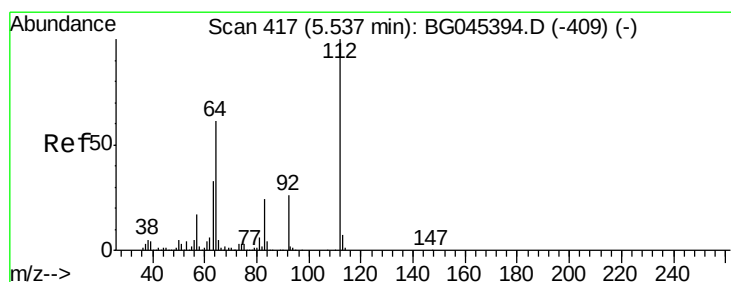
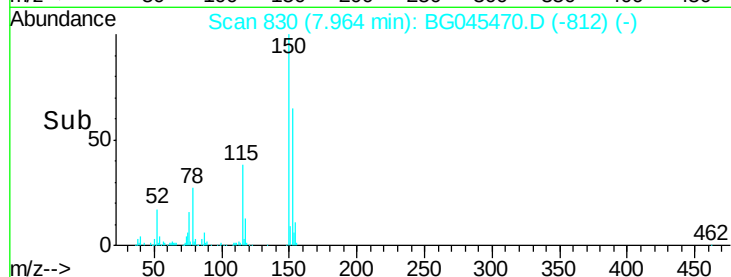
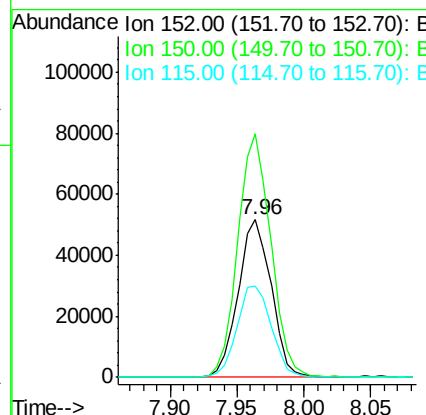
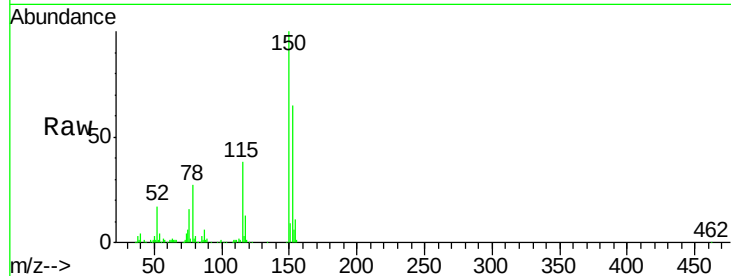
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.96 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 122.4 | 183.6 |
| 115     | 58.1  | 44.2  | 66.4  |

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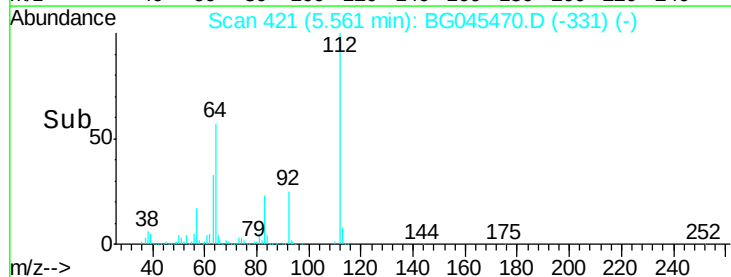
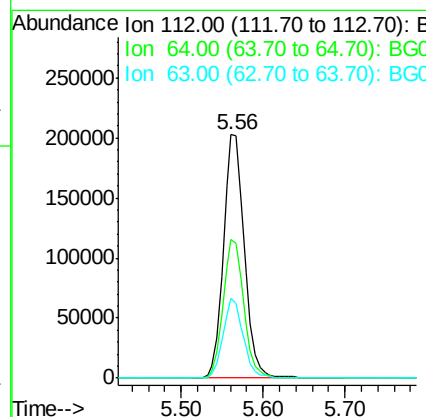
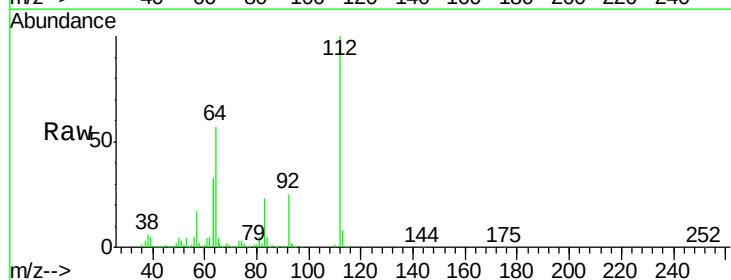
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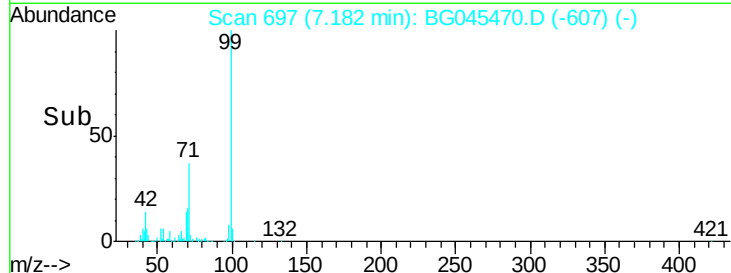
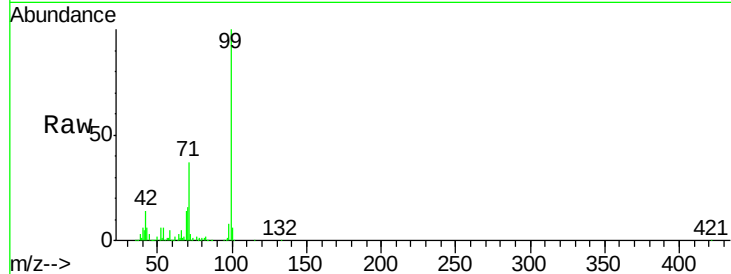
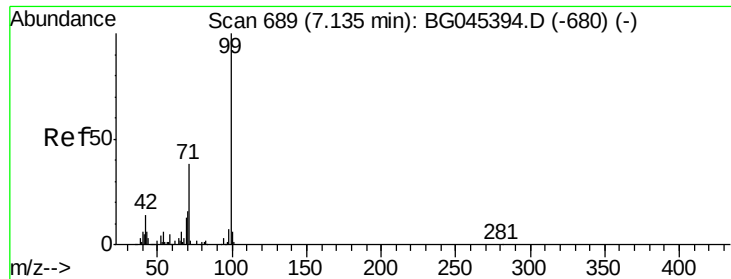


#5

2-Fluorophenol  
Concen: 79.25 ng  
RT: 5.56 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.9  | 48.6  | 72.8  |
| 63      | 32.9  | 26.5  | 39.7  |





#7

Phenol-d6

Concen: 86.86 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045470.D

Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 562894 |       |       |
| 42      | 14.0  | 11.3   | 16.9  |       |
| 71      | 36.7  | 30.8   | 46.2  |       |

Instrument :

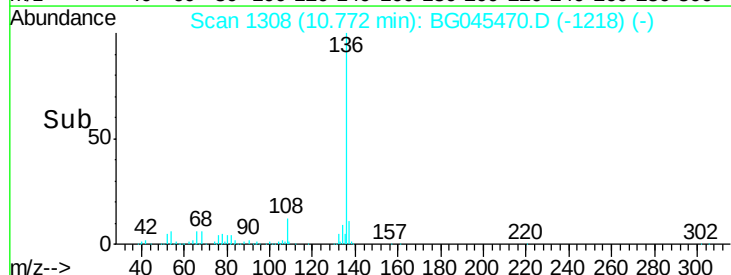
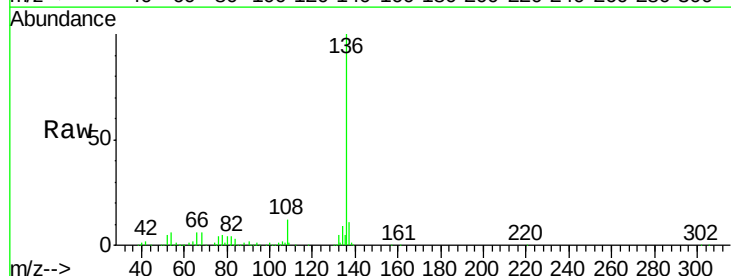
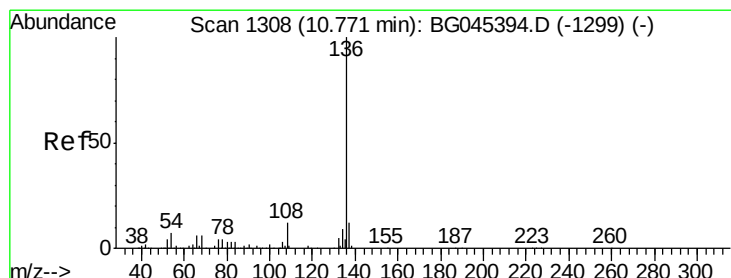
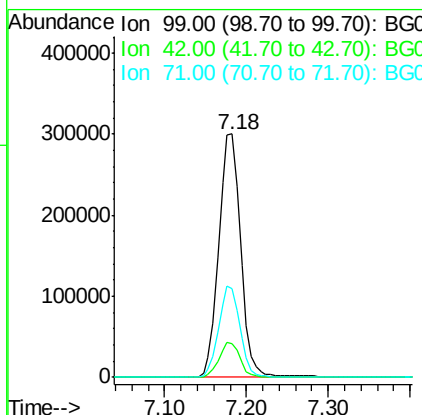
BNA\_G

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

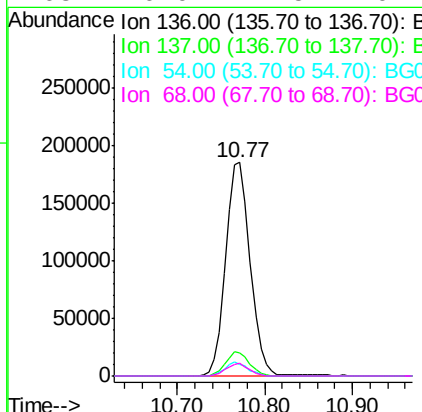
RT: 10.77 min Scan# 1308

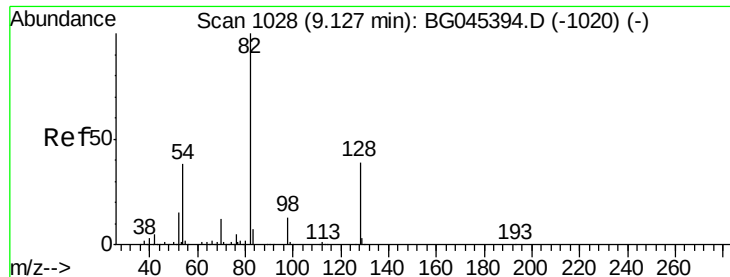
Delta R.T. 0.00 min

Lab File: BG045470.D

Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 357389 |       |       |
| 137     | 10.9  | 9.4    | 14.2  |       |
| 54      | 5.6   | 5.8    | 8.6#  |       |
| 68      | 6.0   | 4.5    | 6.7   |       |





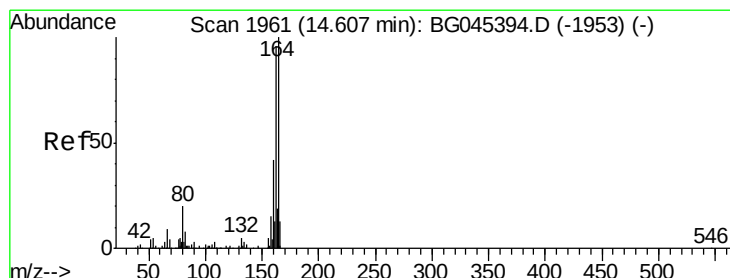
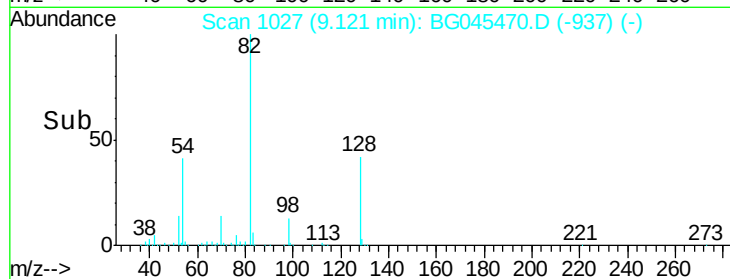
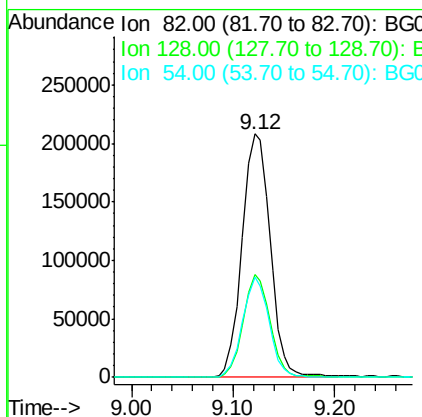
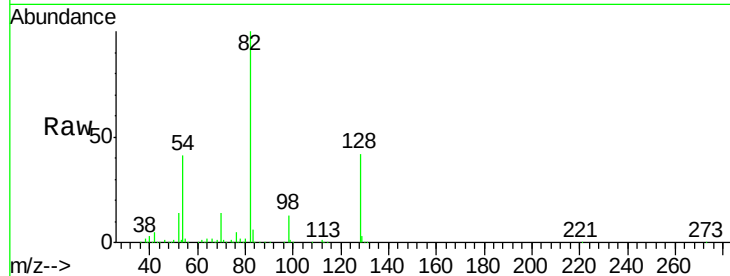
#23  
 Nitrobenzene-d5  
 Concen: 61.40 ng  
 RT: 9.12 min Scan# 1027  
 Delta R.T. 0.00 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 402435 |       |       |
| 128     | 42.0  |        | 30.9  | 46.3  |
| 54      | 41.3  |        | 30.3  | 45.5  |

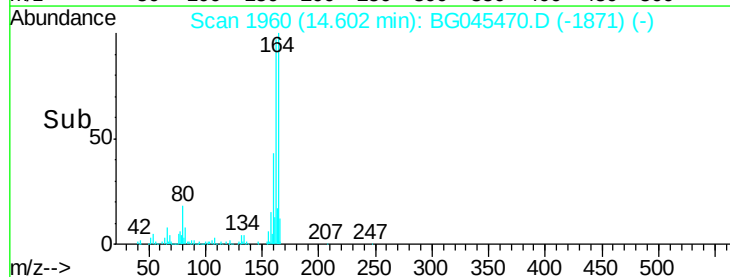
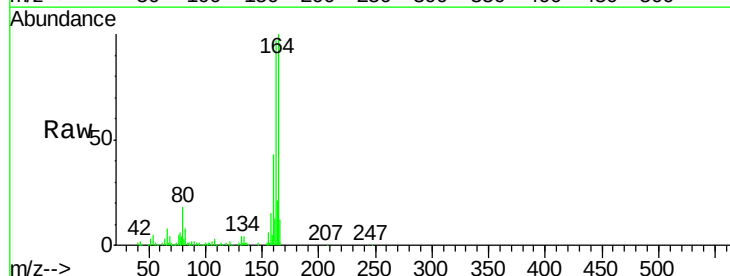
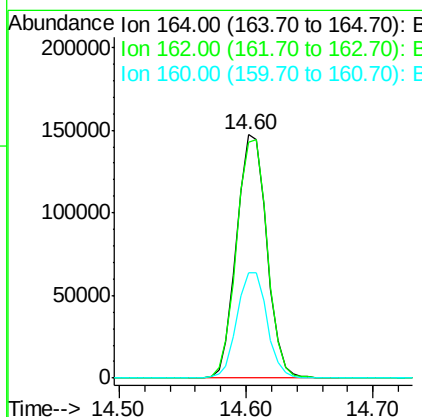
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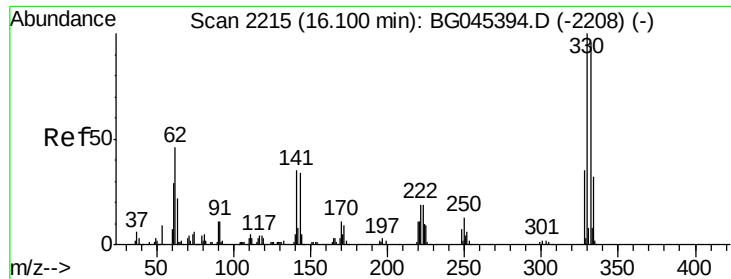
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#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.60 min Scan# 1960  
 Delta R.T. -0.01 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 242777 |       |       |
| 162     | 97.0  |        | 76.9  | 115.3 |
| 160     | 43.4  |        | 33.8  | 50.8  |





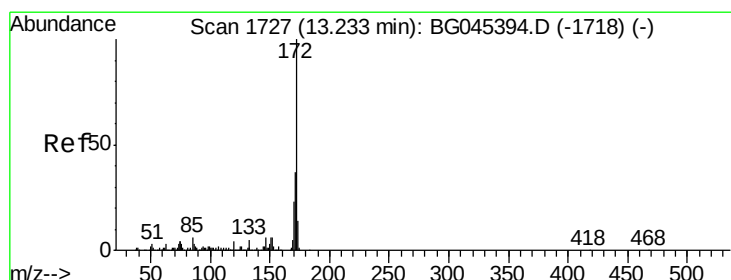
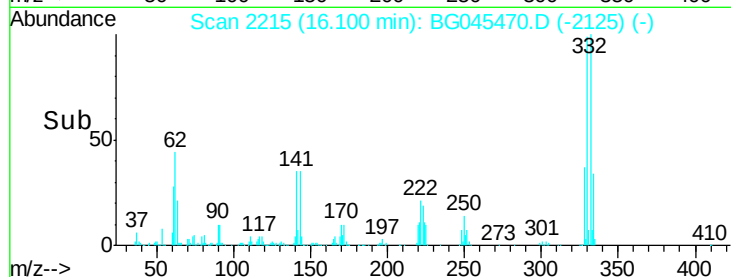
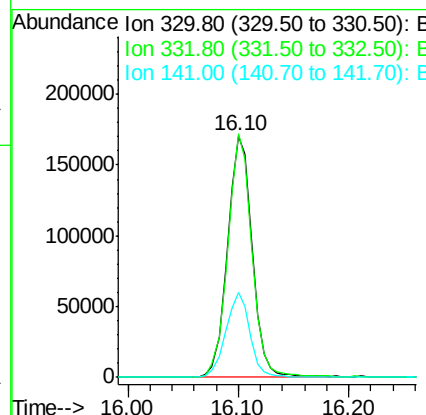
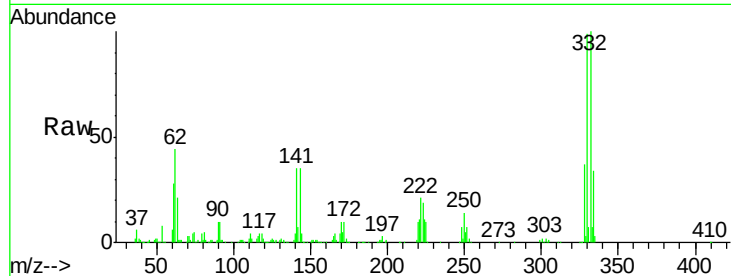
#42  
 2,4,6-Tribromophenol  
 Concen: 85.93 ng  
 RT: 16.10 min Scan# 2215  
 Delta R.T. 0.00 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 266802 |       |       |
| 332     | 98.8  | 78.2   | 117.4 |       |
| 141     | 34.0  | 28.2   | 42.4  |       |

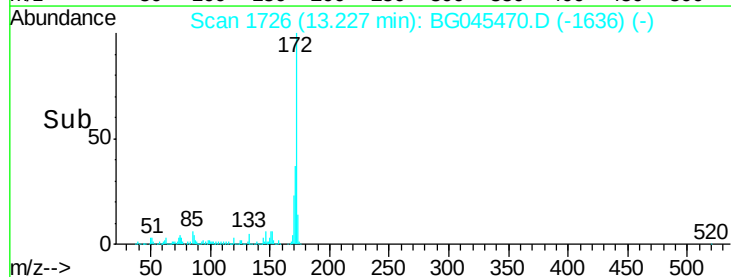
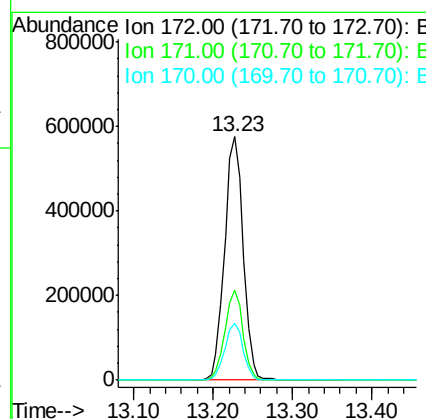
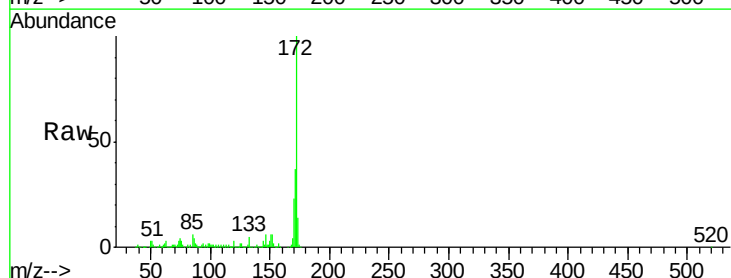
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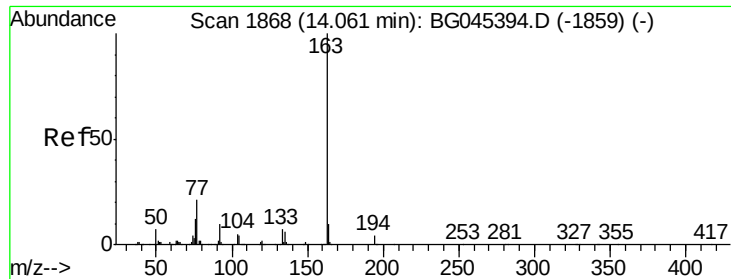
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#45  
 2-Fluorobiphenyl  
 Concen: 65.58 ng  
 RT: 13.23 min Scan# 1726  
 Delta R.T. 0.00 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 938691 |       |       |
| 171     | 36.9  | 29.5   | 44.3  |       |
| 170     | 23.3  | 18.5   | 27.7  |       |





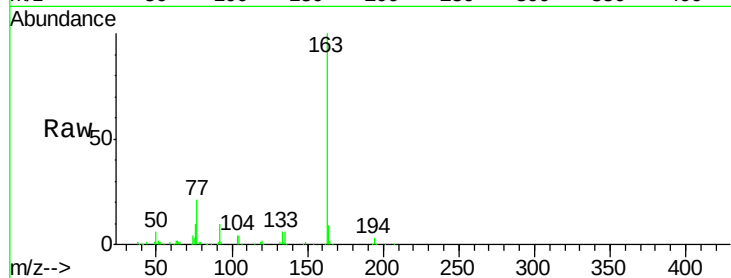
#50  
Dimethylphthalate  
Concen: 7.54 ng  
RT: 14.06 min Scan# 1867  
Delta R.T. -0.01 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
NM63-COMP-2020-0-6

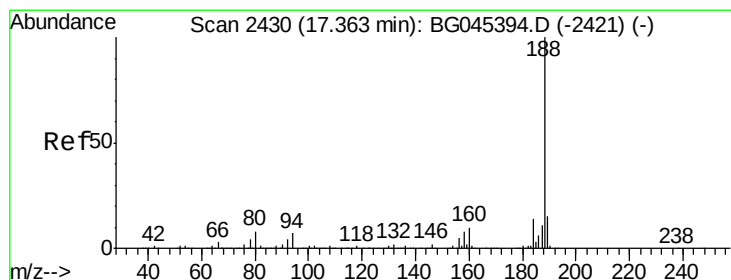
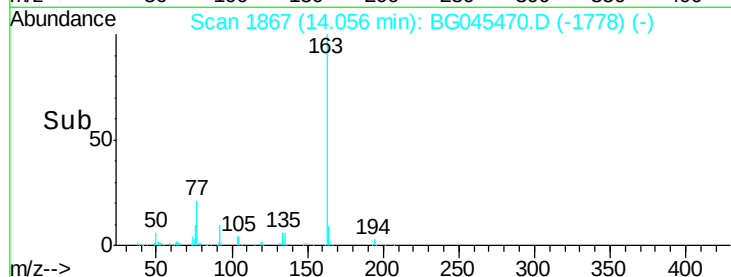
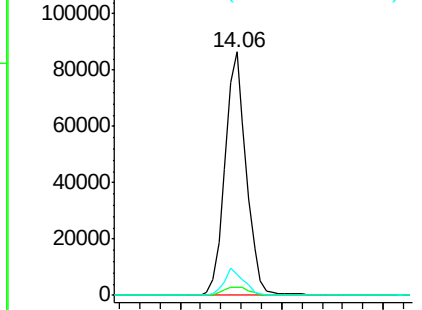
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.3   | 3.2        | 4.8        |
| 164     | 8.5   | 8.3        | 12.5       |

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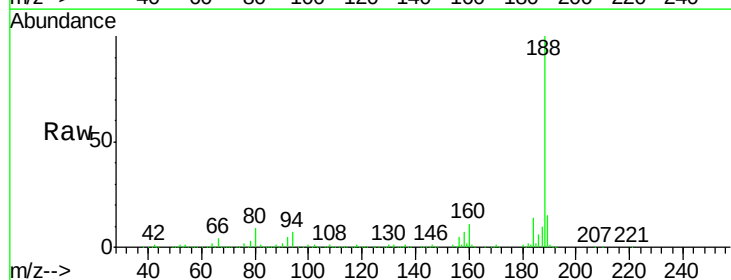


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

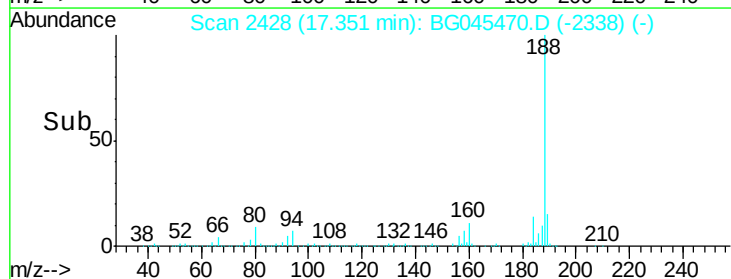
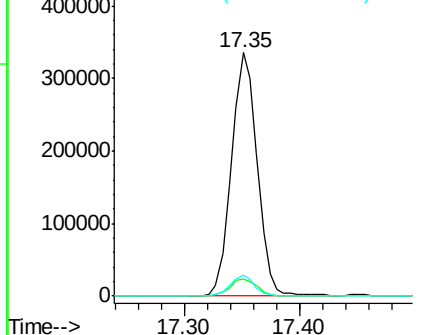


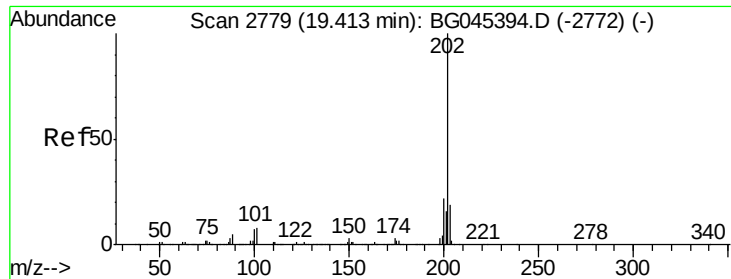
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.35 min Scan# 2428  
Delta R.T. 0.00 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 6.8   | 5.5        | 8.3        |
| 80      | 8.5   | 6.6        | 10.0       |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#75

Fluoranthene

Concen: 4.58 ng

RT: 19.41 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BG045470.D

Acq: 26 May 2020 23:40

Instrument :

BNA\_G

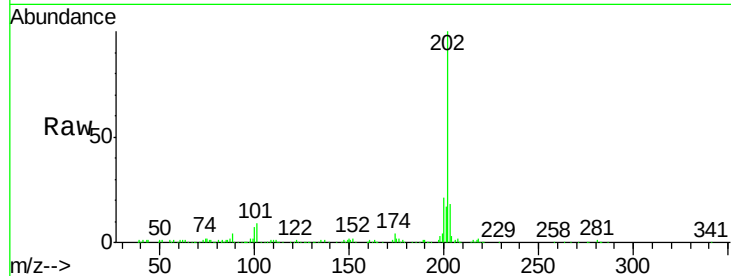
ClientSampleId :

NM63-COMP-2020-0-6

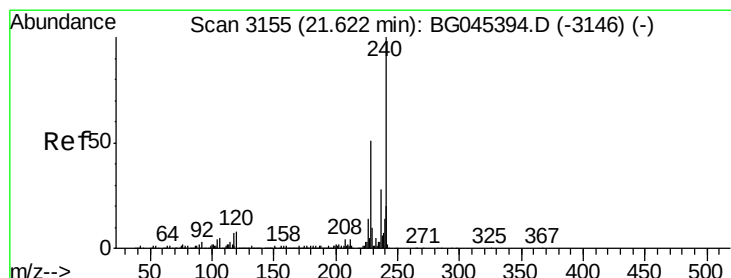
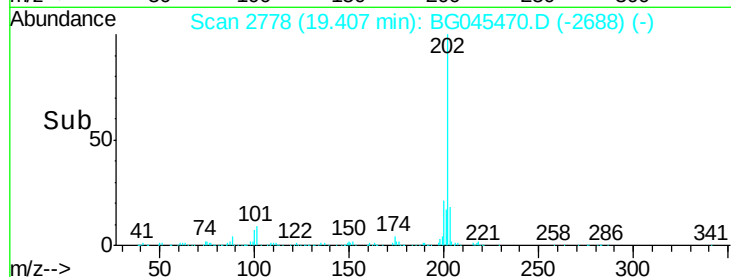
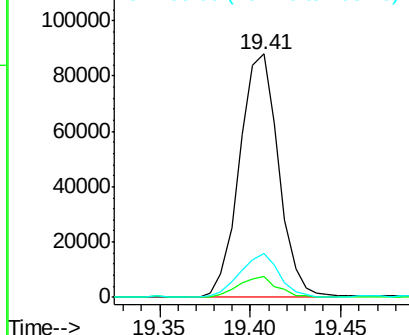
| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 131736 |       |       |
| 101 | 8.6  | 0.0   | 28.3   |       |       |
| 203 | 18.2 | 0.0   | 39.0   |       |       |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

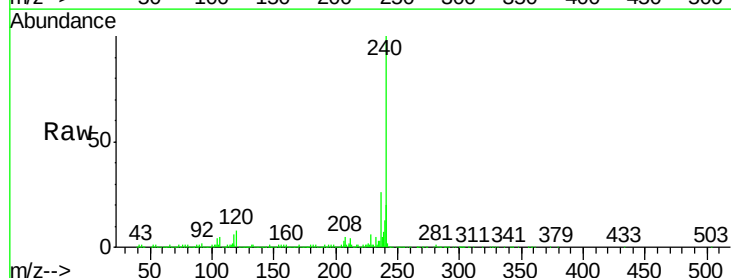
RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

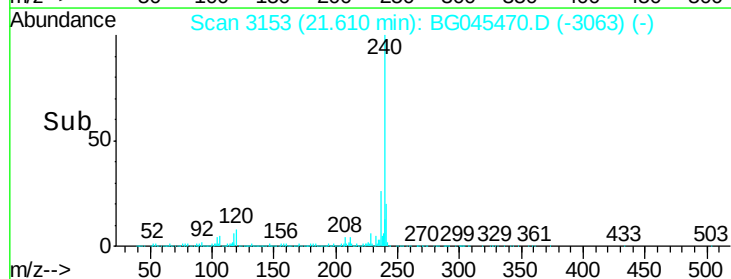
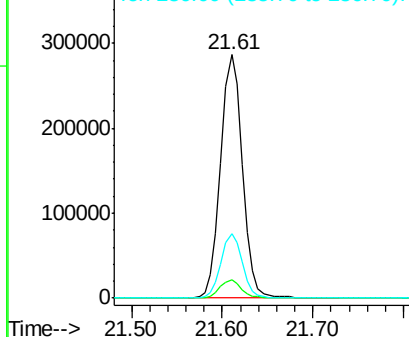
Lab File: BG045470.D

Acq: 26 May 2020 23:40

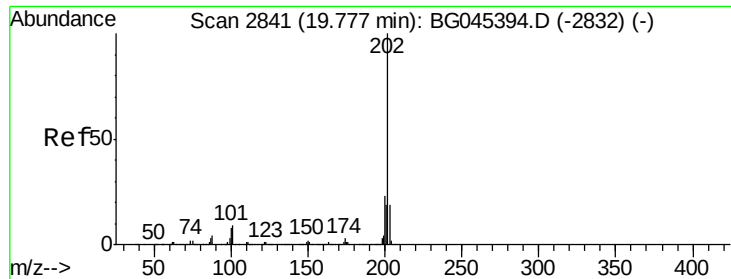
| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 240 | 100  |       | 479160 |       |       |
| 120 | 7.6  | 6.1   | 9.1    |       |       |
| 236 | 26.4 | 22.3  | 33.5   |       |       |



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







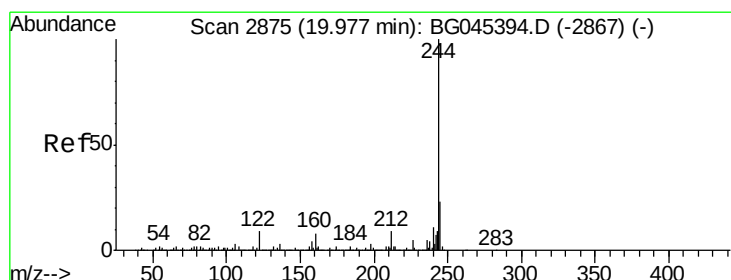
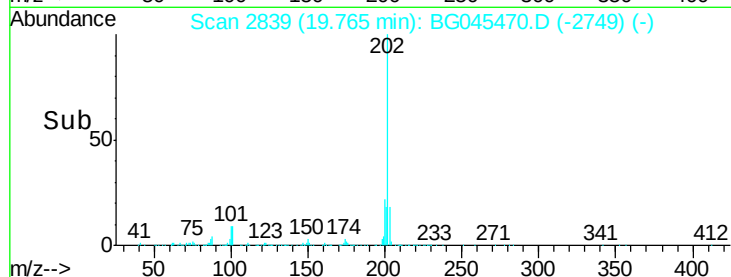
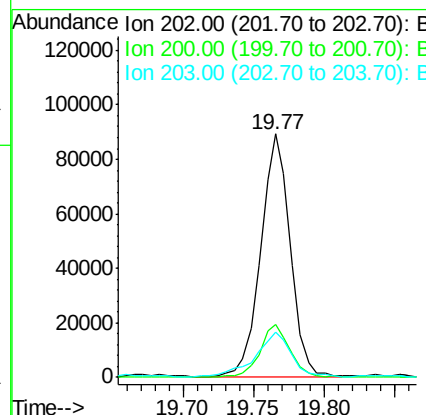
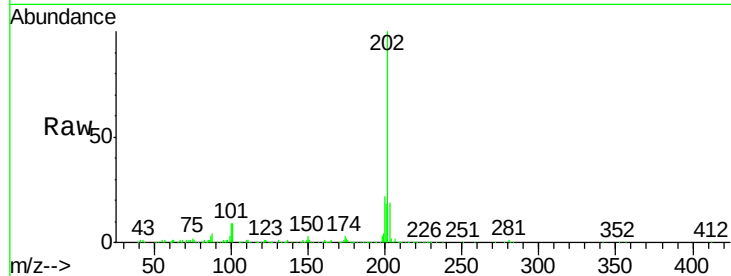
#78  
 Pyrene  
 Concen: 4.82 ng  
 RT: 19.77 min Scan# 2839  
 Delta R.T. 0.00 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 200     | 21.7  | 18.2       | 27.2       |
| 203     | 18.6  | 15.1       | 22.7       |

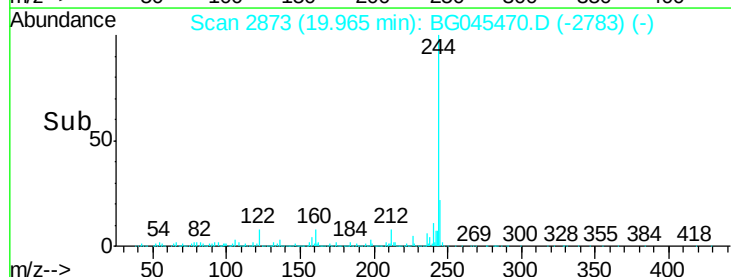
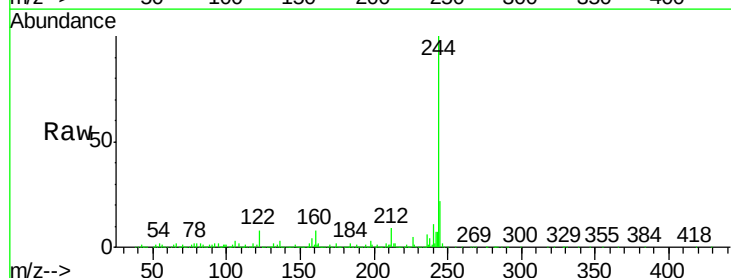
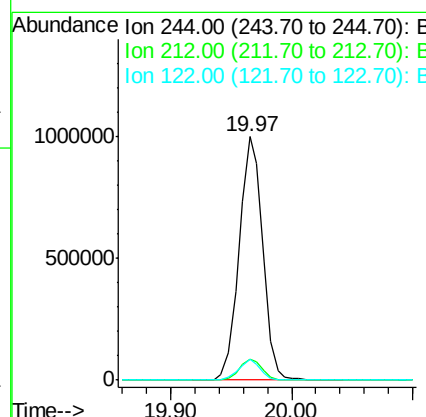
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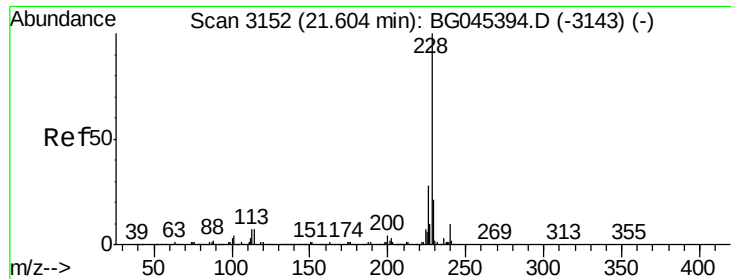
mohammad  
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#79  
 Terphenyl-d14  
 Concen: 65.95 ng  
 RT: 19.97 min Scan# 2873  
 Delta R.T. 0.00 min  
 Lab File: BG045470.D  
 Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 8.5   | 7.4        | 11.0       |
| 122     | 8.4   | 6.8        | 10.2       |





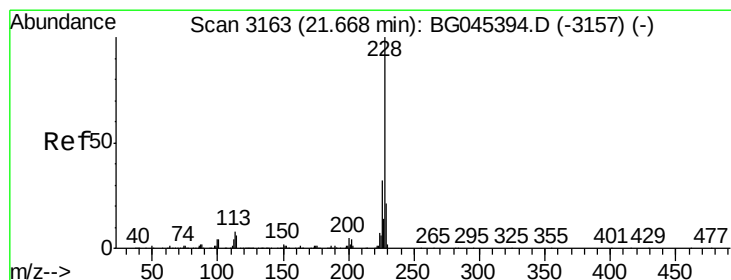
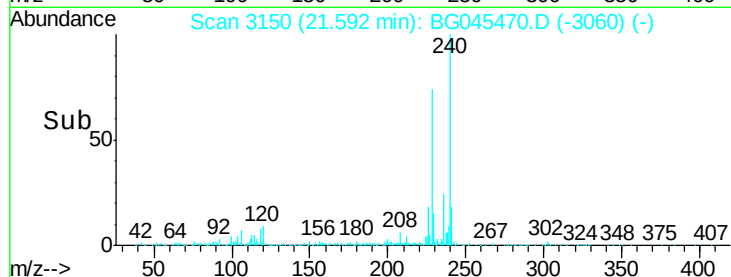
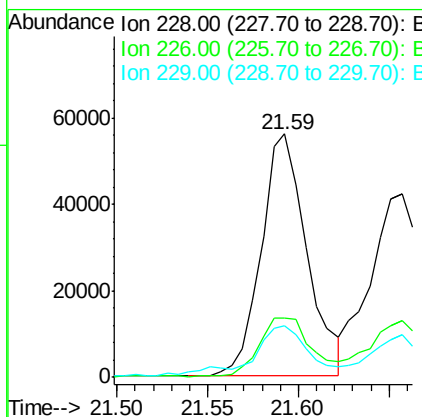
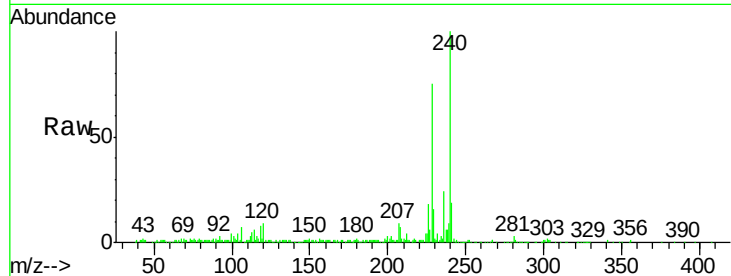
#81  
Benzo(a)anthracene  
Concen: 3.69 ng  
RT: 21.59 min Scan# 3150  
Delta R.T. 0.00 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 24.6  | 22.7  | 34.1  |
| 229     | 21.4  | 16.7  | 25.1  |

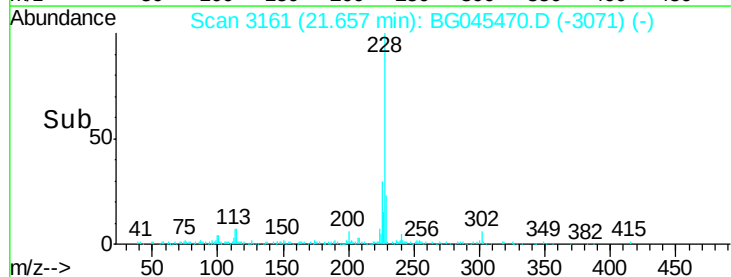
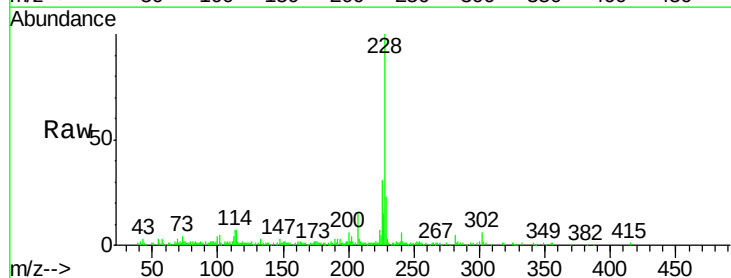
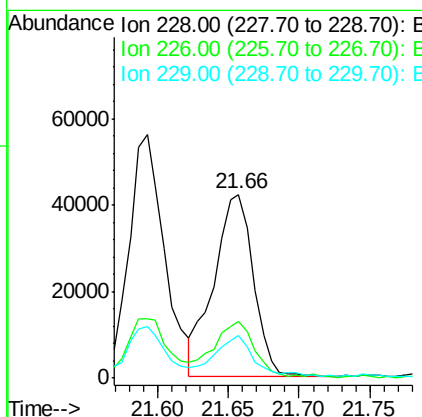
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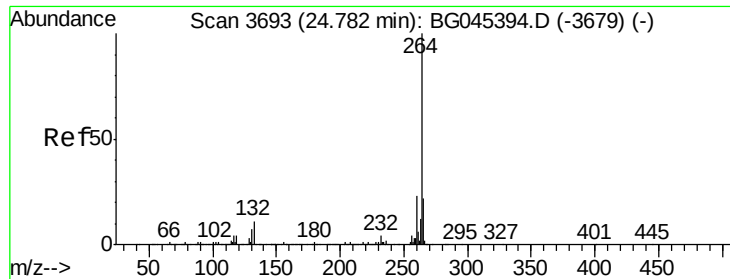
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#83  
Chrysene  
Concen: 3.24 ng  
RT: 21.66 min Scan# 3161  
Delta R.T. 0.00 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 25.2  | 37.8  |
| 229     | 23.3  | 16.7  | 25.1  |





#87

Perylene-d12

Concen: 20.00 ng

RT: 24.76 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BG045470.D

Acq: 26 May 2020 23:40

Instrument :

BNA\_G

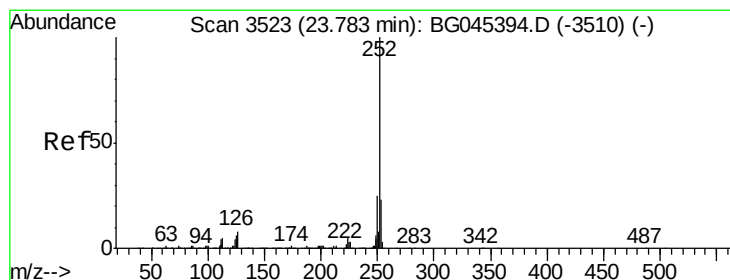
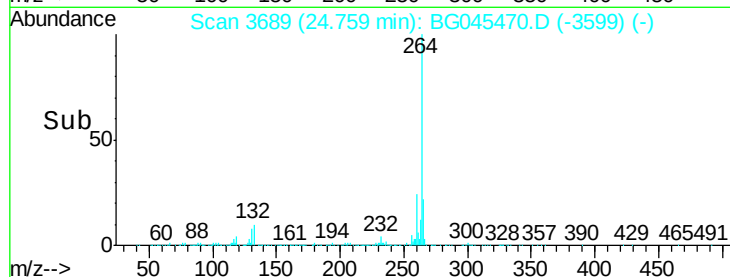
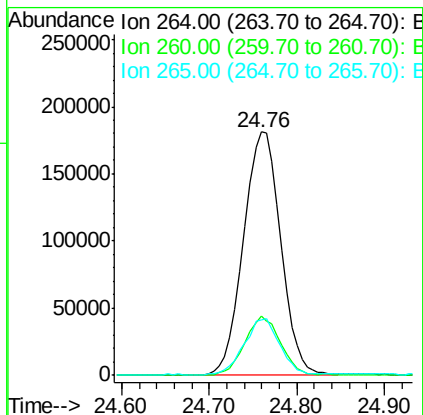
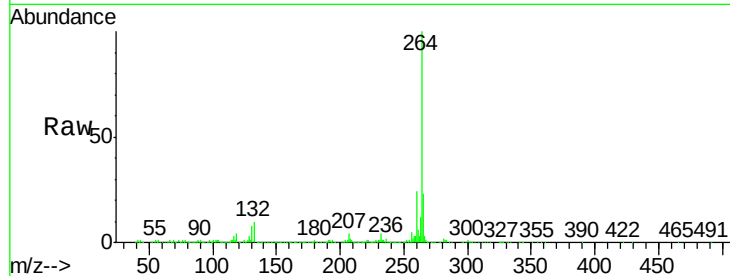
ClientSampleId :

NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.2  | 27.4  |
| 265     | 22.6  | 17.6  | 26.4  |

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#88

Benzo(b)fluoranthene

Concen: 4.55 ng m

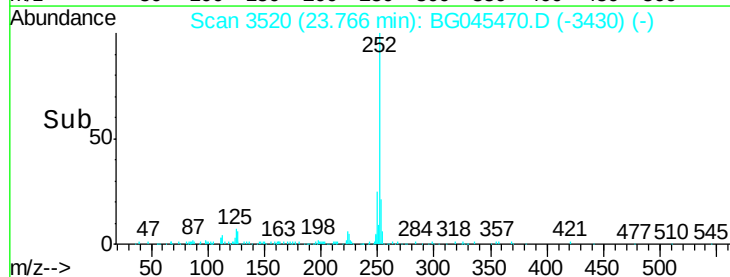
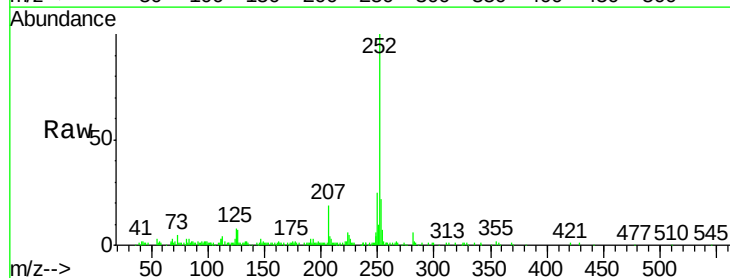
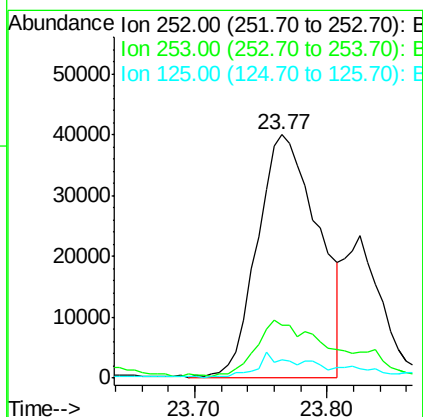
RT: 23.77 min Scan# 3520

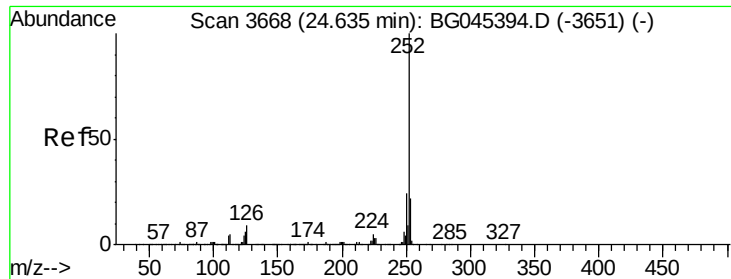
Delta R.T. 0.00 min

Lab File: BG045470.D

Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.1  | 27.1  |
| 125     | 7.7   | 5.0   | 7.6#  |





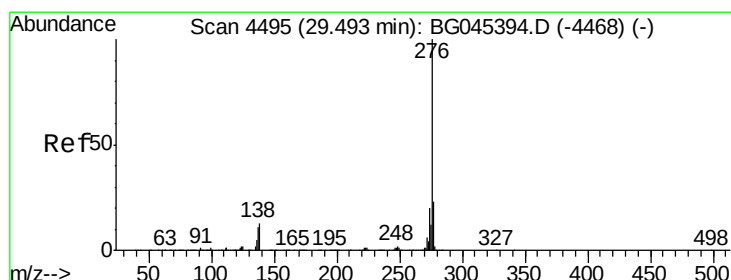
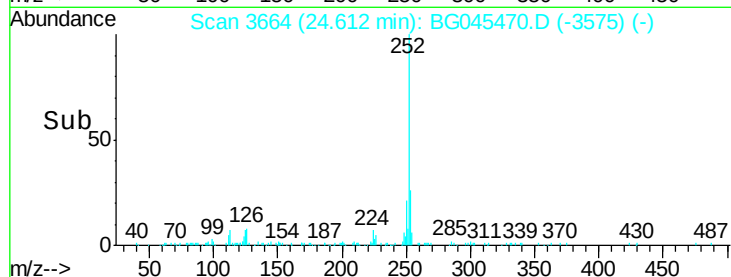
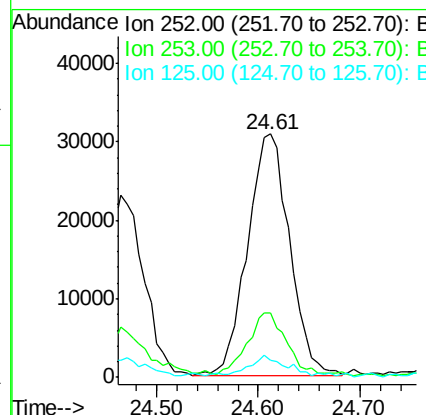
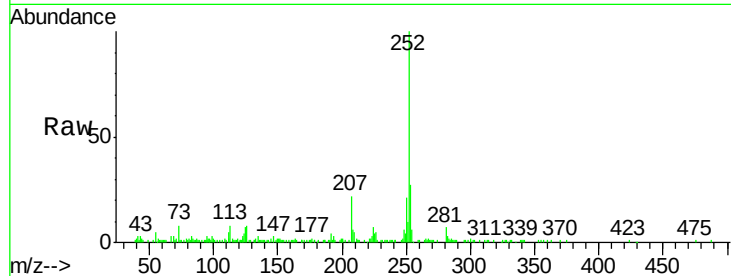
#90  
Benzo(a)pyrene  
Concen: 3.38 ng  
RT: 24.61 min Scan# 3664  
Delta R.T. -0.01 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
NM63-COMP-2020-0-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.6  | 17.2  | 25.8# |
| 125     | 7.2   | 5.0   | 7.6   |

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#92  
Benzo(g,h,i)perylene  
Concen: 2.35 ng  
RT: 29.43 min Scan# 4485  
Delta R.T. -0.02 min  
Lab File: BG045470.D  
Acq: 26 May 2020 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.9  | 18.1  | 27.1  |
| 138     | 12.2  | 10.2  | 15.4  |

