

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040219\  
 Data File : BN005058.D  
 Acq On : 02 Apr 2019 12:49  
 Operator : JU/SJ  
 Sample : PB118217BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB118217BS

Manual Integrations  
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 4/3/2019 4:26:48 AM

Quant Time: Apr 03 02:05:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Mar 29 03:42:17 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 2781     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 12055    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.30 | 164  | 7128     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.06 | 188  | 17177    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 18854    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.50 | 264  | 17388    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.26  | 112 | 2584  | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 6.85  | 99  | 3096  | 0.38 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 2471  | 0.35 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 7312  | 0.39 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1336  | 0.33 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 10764 | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 18288 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.70 | 244 | 15024 | 0.39 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 1144  | 0.383 | ng | 99     |
| 3) n-Nitrosodimethylamine      | 3.54  | 42  | 585m  | 0.321 | ng |        |
| 6) bis(2-Chloroethyl)ether     | 7.10  | 93  | 3041  | 0.392 | ng | 98     |
| 9) Naphthalene                 | 10.49 | 128 | 12035 | 0.397 | ng | 100    |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 2238  | 0.398 | ng | # 100  |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 8448  | 0.386 | ng | 99     |
| 16) Acenaphthylene             | 14.02 | 152 | 12226 | 0.363 | ng | 99     |
| 17) Acenaphthene               | 14.37 | 154 | 8381  | 0.392 | ng | 100    |
| 18) Fluorene                   | 15.36 | 166 | 11042 | 0.385 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 3617  | 0.368 | ng | 98     |
| 21) Hexachlorobenzene          | 16.36 | 284 | 4331  | 0.399 | ng | 98     |
| 22) Pentachlorophenol          | 16.73 | 266 | 1263  | 0.634 | ng | 96     |
| 23) Phenanthrene               | 17.10 | 178 | 18430 | 0.383 | ng | 99     |
| 24) Anthracene                 | 17.20 | 178 | 15660 | 0.366 | ng | 100    |
| 26) Fluoranthene               | 19.13 | 202 | 21633 | 0.367 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 21872 | 0.408 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 20275 | 0.381 | ng | 99     |
| 31) Chrysene                   | 21.30 | 228 | 21475 | 0.375 | ng | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 6958  | 0.313 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.75 | 276 | 22098 | 0.343 | ng | 100    |
| 35) Benzo(b)fluoranthene       | 22.83 | 252 | 21524 | 0.386 | ng | 100    |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 21809 | 0.405 | ng | 100    |
| 37) Benzo(a)pyrene             | 23.40 | 252 | 18834 | 0.380 | ng | 100    |
| 38) Dibenzo(a,h)anthracene     | 25.76 | 278 | 17907 | 0.361 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 26.44 | 276 | 18591 | 0.372 | ng | 100    |

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

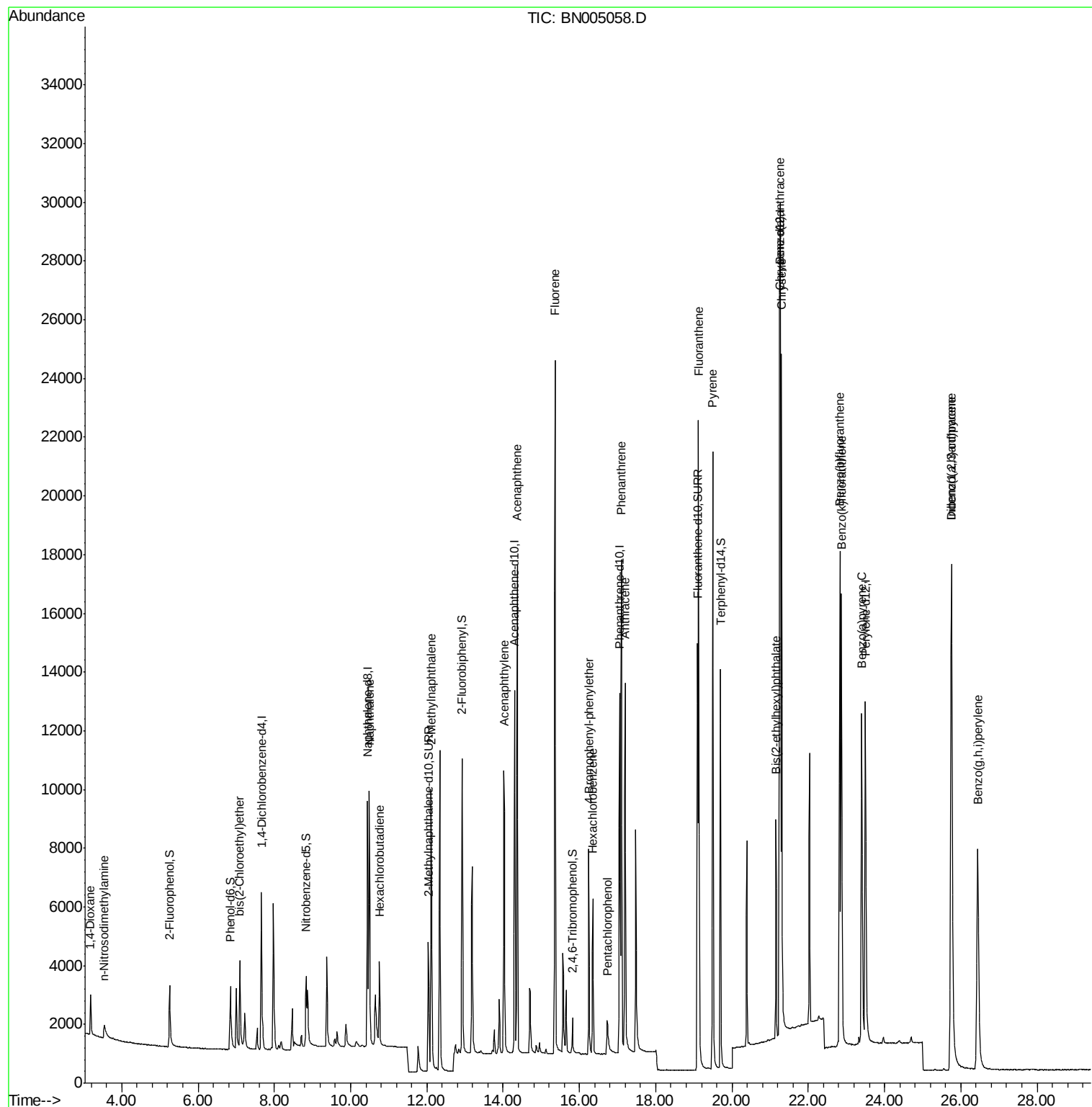
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040219\  
Data File : BN005058.D  
Acq On : 02 Apr 2019 12:49  
Operator : JU/SJ  
Sample : PB118217BS  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

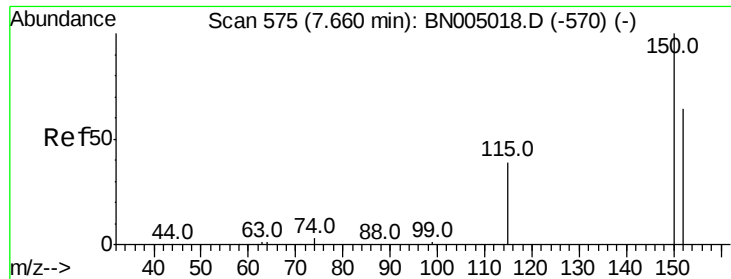
Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 29 03:42:17 2019  
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#1

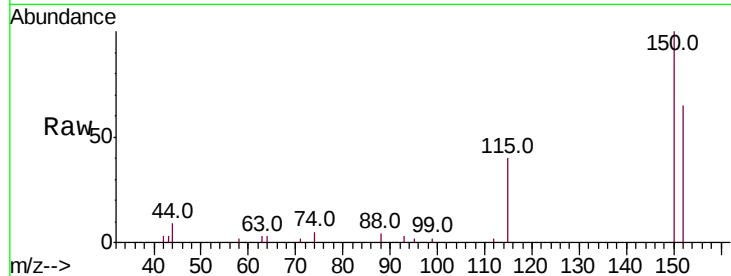
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.66 min Scan# 575  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 123.4 | 185.2 |
| 115     | 61.7  | 50.0  | 75.0  |

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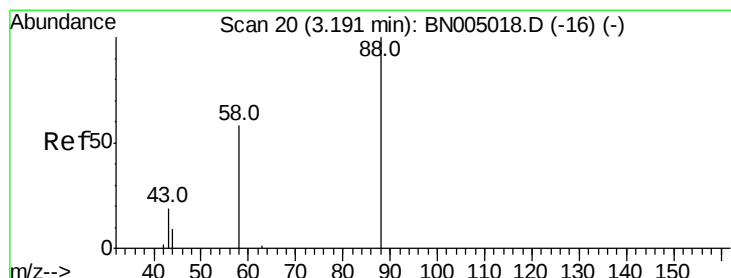
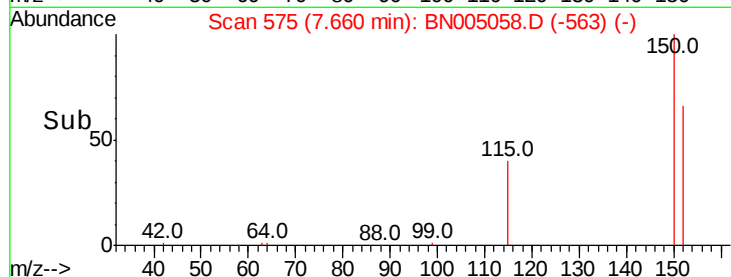
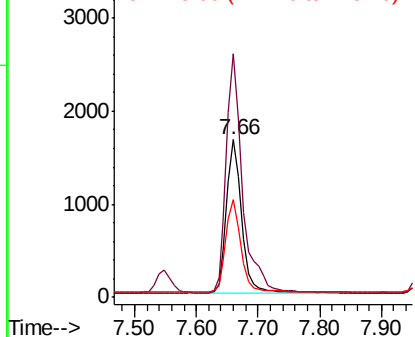


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

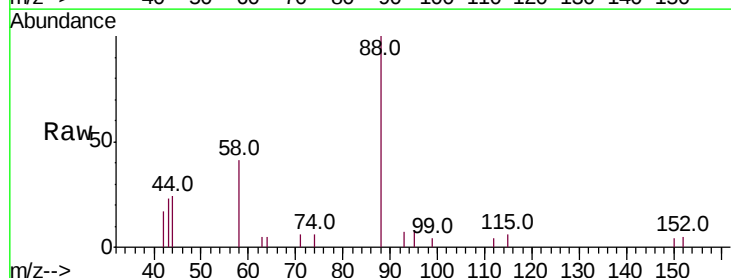
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.383 ng  
RT: 3.19 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 65.5  | 52.8  | 79.2  |
| 43      | 26.3  | 19.6  | 29.4  |

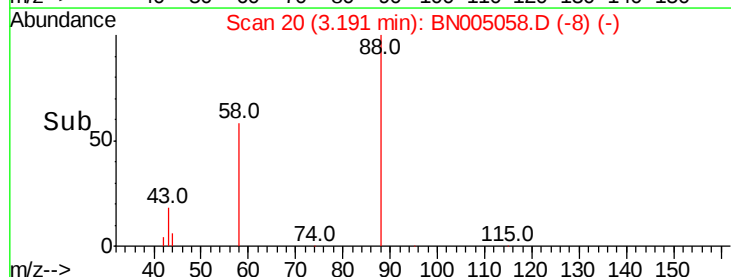
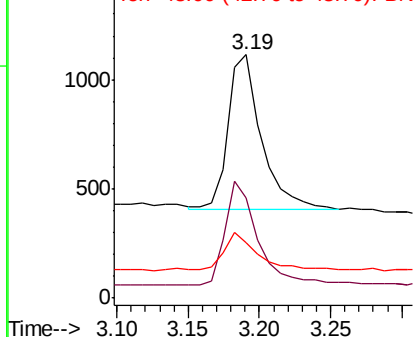


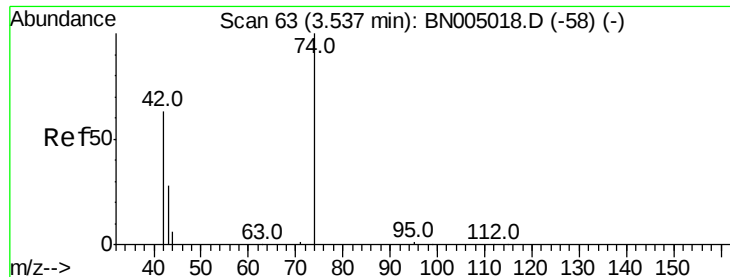
Abundance

Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.321 ng/ml

RT: 3.54 min Scan# 63

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

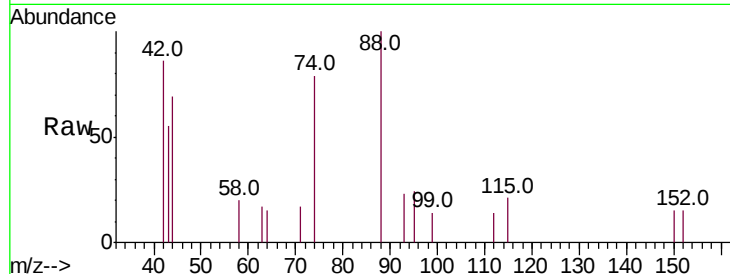
ClientSampleID :

PB118217BS

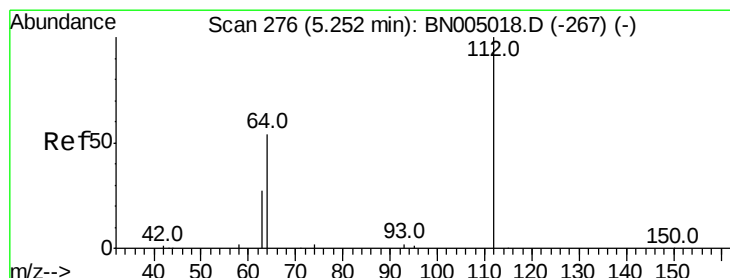
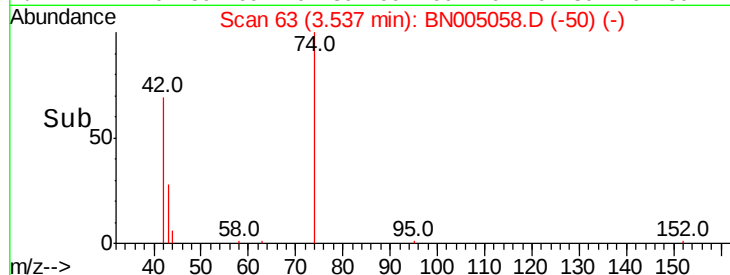
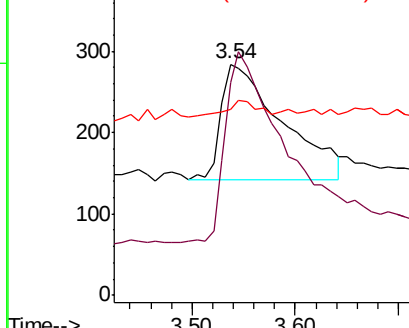
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 585   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 132.6 | 129.1 | 193.7 |
| 44       | 7.9   | 11.6  | 17.4# |

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Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.372 ng/ml

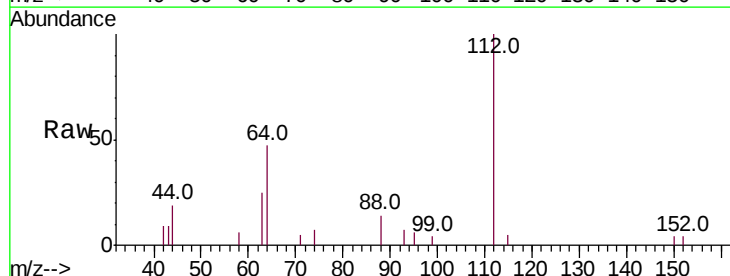
RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

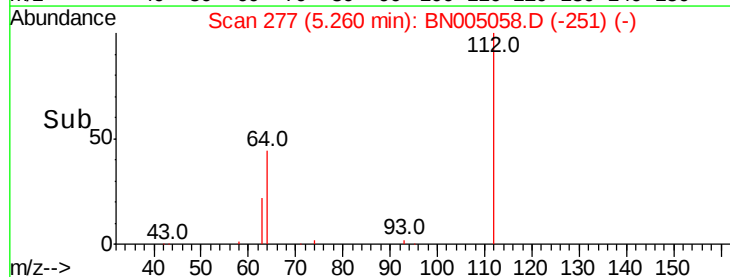
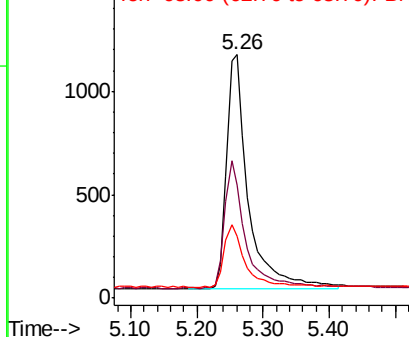
Lab File: BN005058.D

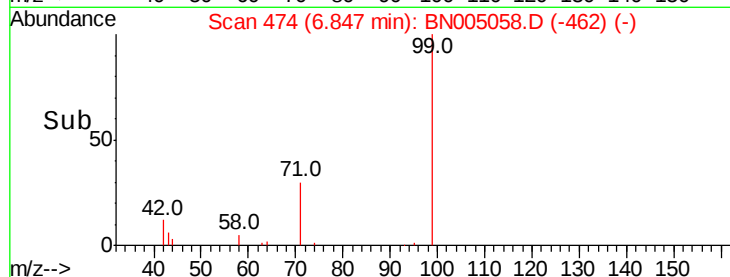
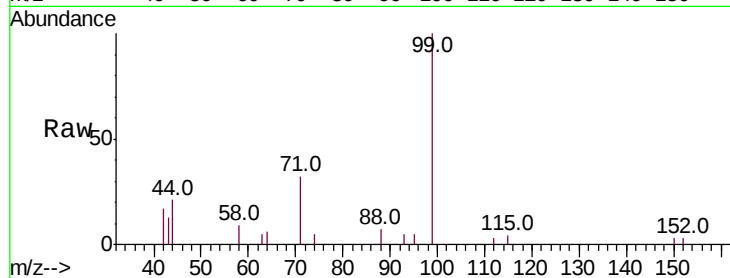
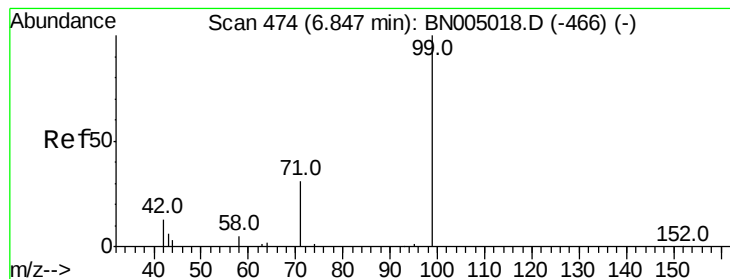
Acq: 02 Apr 2019 12:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 2584  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.1  | 41.9  | 62.9  |
| 63       | 26.1  | 21.5  | 32.3  |



Abundance Ion 112.00 (111.70 to 112.70): BNC  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.85 min Scan# 474

Delta R.T. -0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 3096  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.7  | 12.2  | 18.2  |
| 71       | 31.8  | 26.1  | 39.1  |

Instrument :

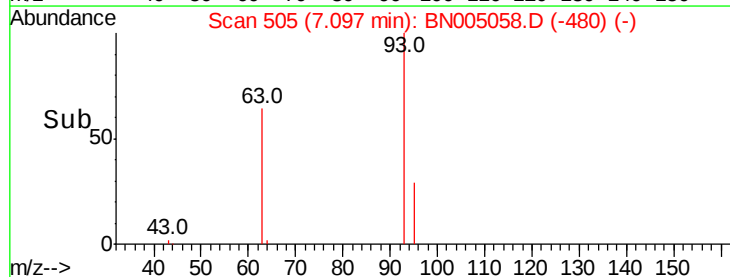
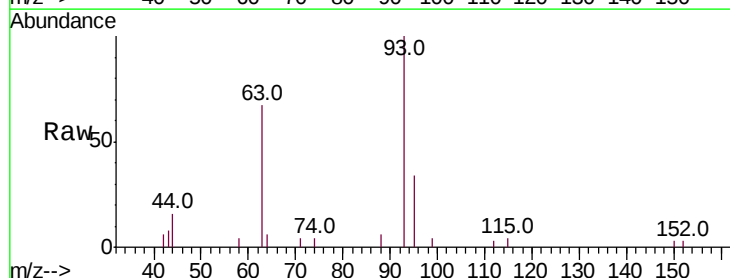
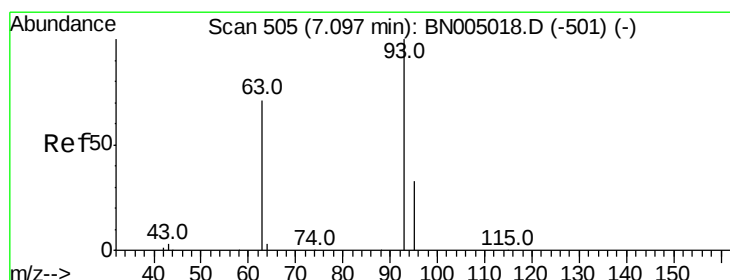
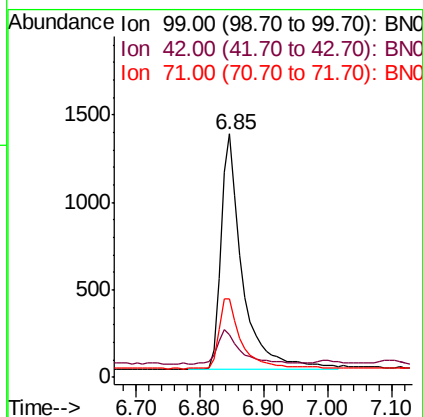
BNA\_N

ClientSampleId :

PB118217BS

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#6

bis(2-Chloroethyl)ether

Concen: 0.392 ng

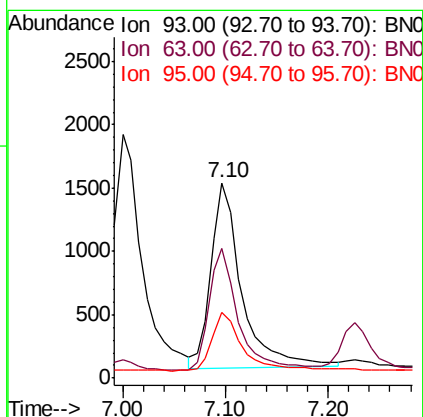
RT: 7.10 min Scan# 505

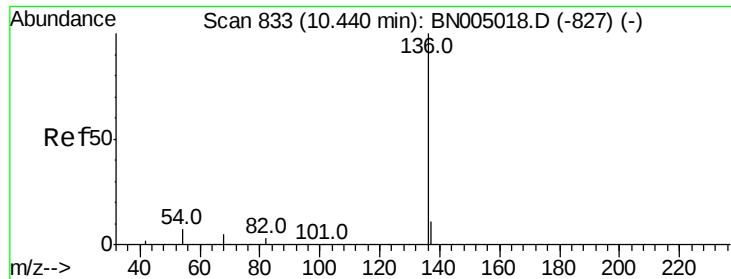
Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3041  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 62.4  | 51.8  | 77.6  |
| 95       | 30.5  | 24.8  | 37.2  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

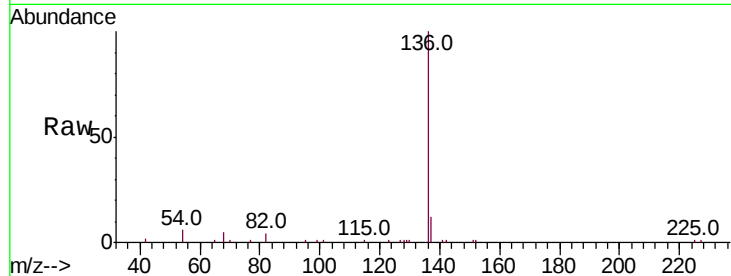
ClientSampleId :

PB118217BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.5  | 9.2  | 13.8  |       |
| 54      | 6.3   | 6.0  | 9.0   |       |
| 68      | 5.5   | 5.0  | 7.6   |       |

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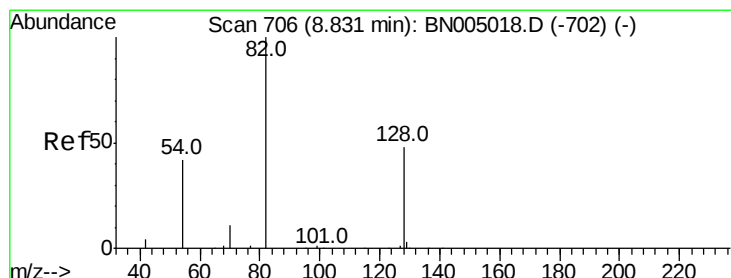
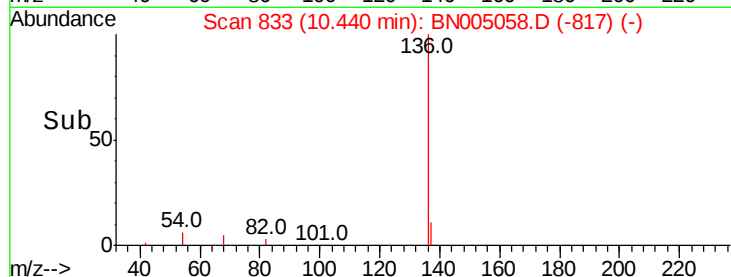
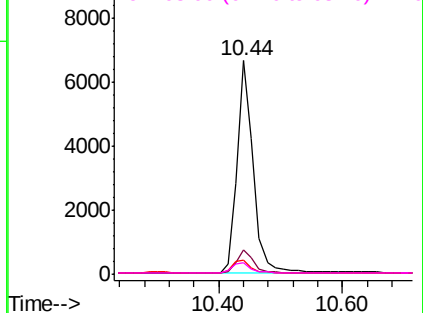
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.354 ng

RT: 8.83 min Scan# 706

Delta R.T. -0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

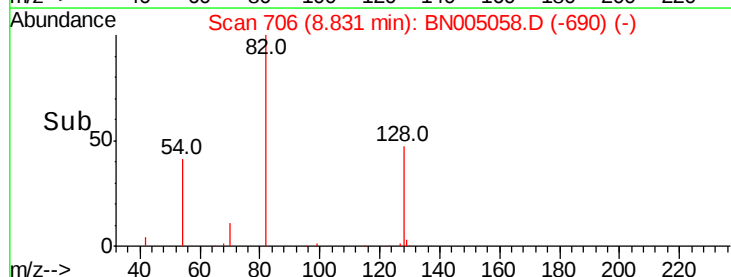
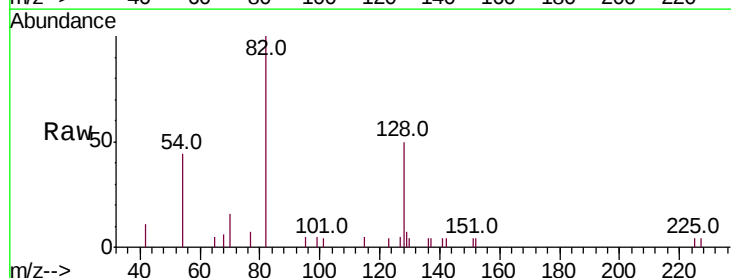
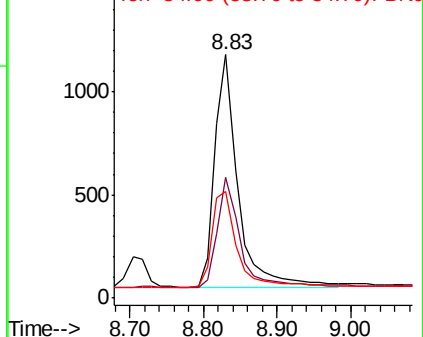
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 49.5  | 40.5 | 60.7  |       |
| 54      | 43.9  | 35.7 | 53.5  |       |

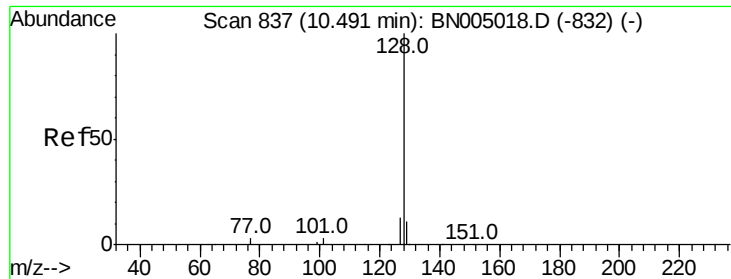
Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





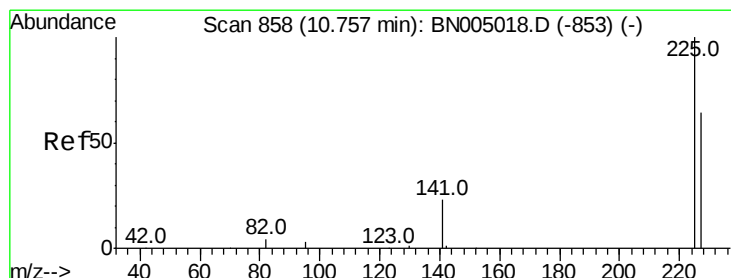
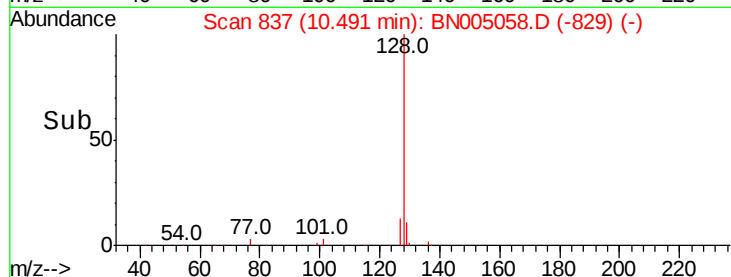
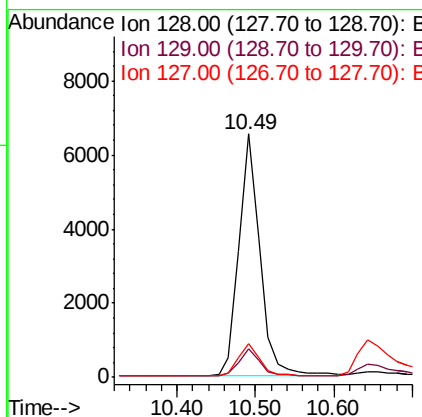
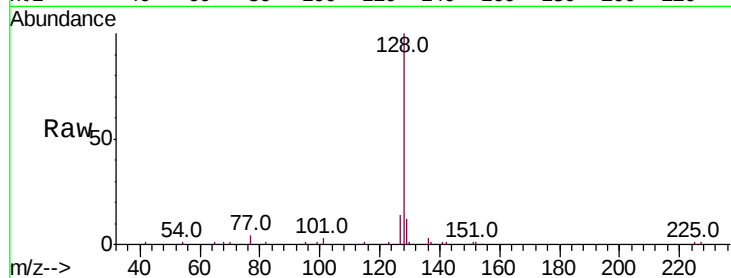
#9  
Naphthalene  
Concen: 0.397 ng  
RT: 10.49 min Scan# 837  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 9.4   | 14.2  |
| 127     | 13.9  | 11.0  | 16.6  |

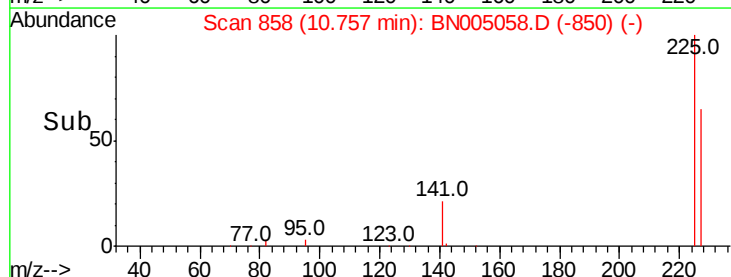
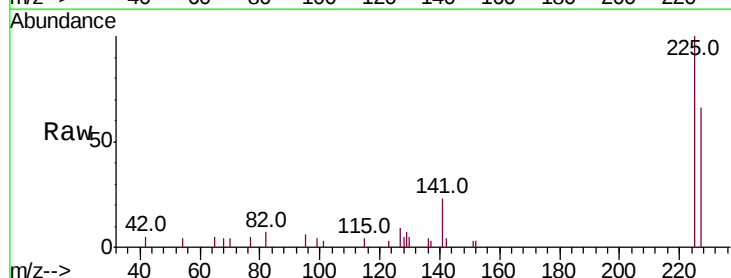
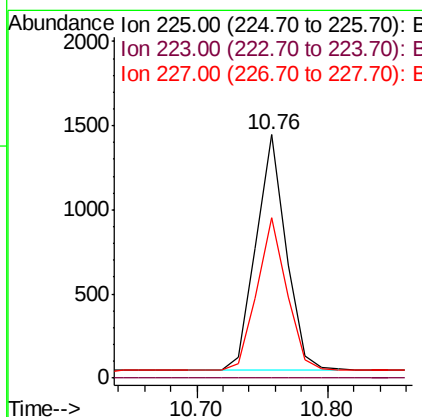
Manual Integrations  
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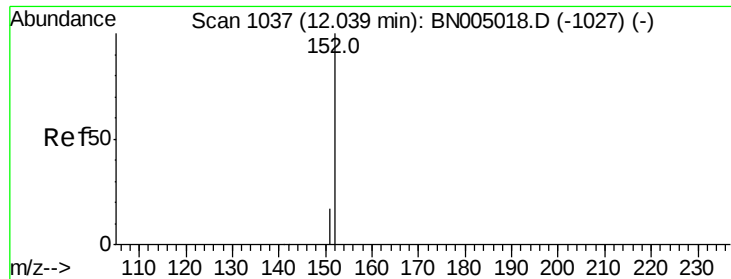
sohil  
4/3/2019 4:26:48 AM



#10  
Hexachlorobutadiene  
Concen: 0.398 ng  
RT: 10.76 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 0.0   | 0.0   | 0.0   |
| 227     | 64.4  | 51.5  | 77.3  |





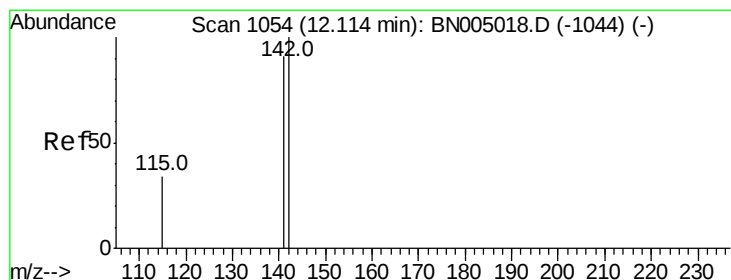
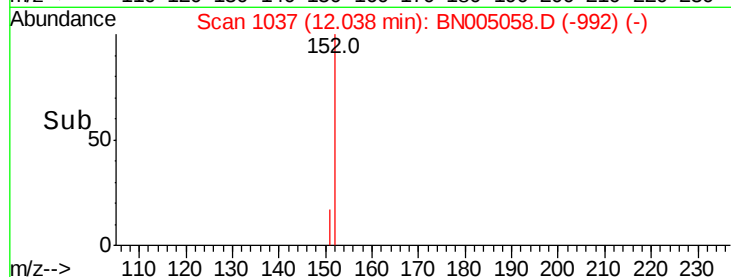
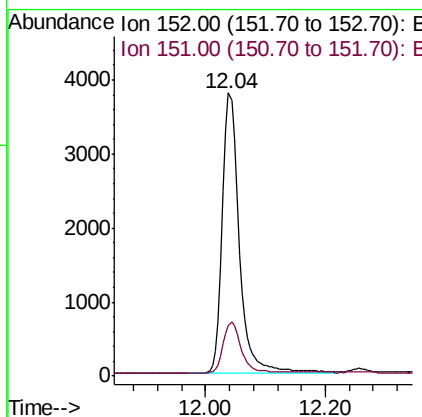
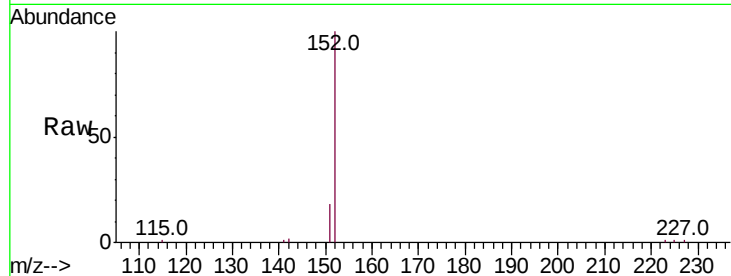
#11  
2-Methylnaphthalene-d10  
Concen: 0.391 ng  
RT: 12.04 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 15.3  | 22.9  |

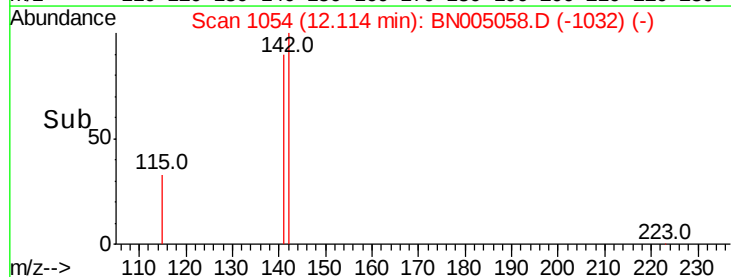
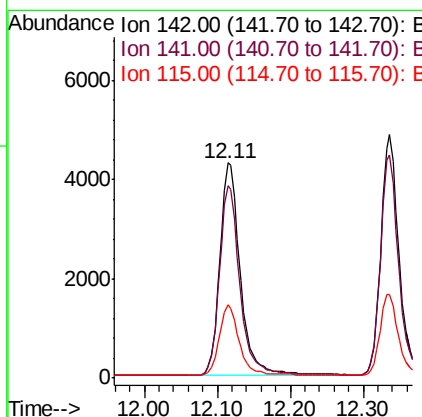
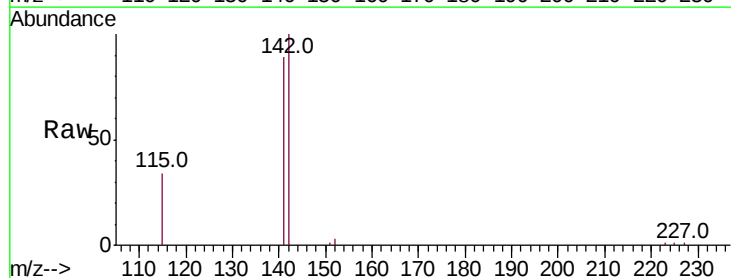
Manual Integrations  
APPROVED

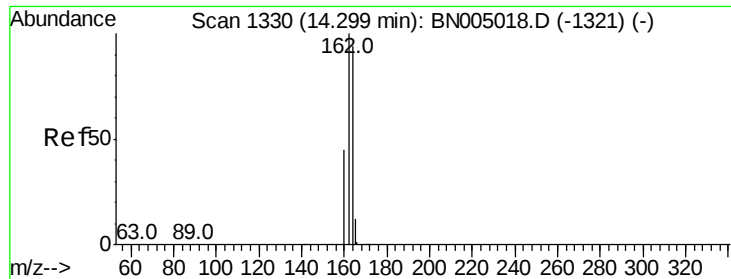
sohil  
4/3/2019 4:26:48 AM



#12  
2-Methylnaphthalene  
Concen: 0.386 ng  
RT: 12.11 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 72.6  | 108.8 |
| 115     | 33.8  | 27.8  | 41.8  |





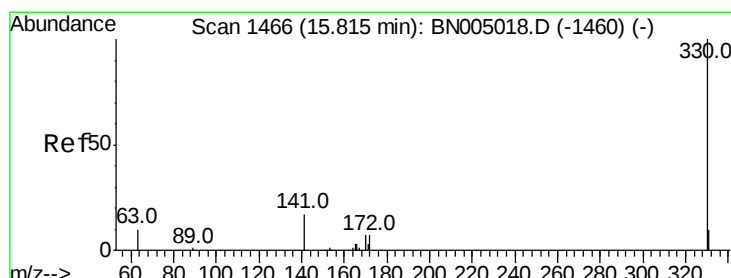
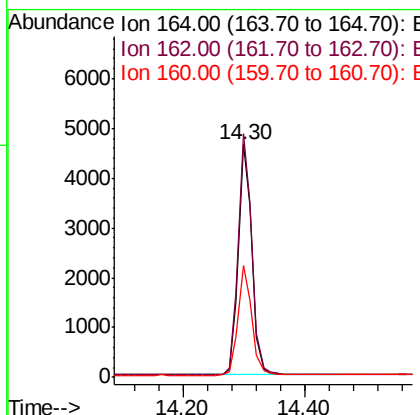
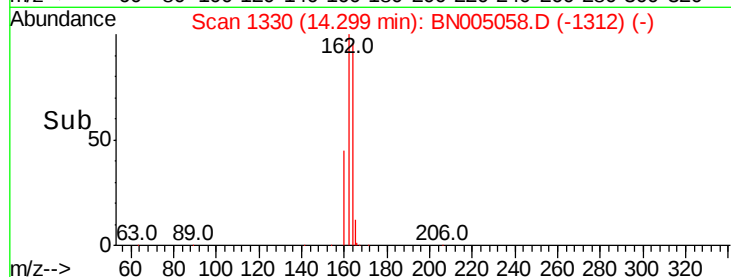
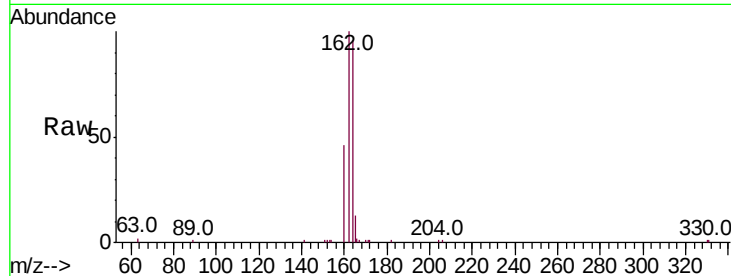
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.30 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 85.3  | 127.9 |
| 160     | 47.9  | 39.2  | 58.8  |

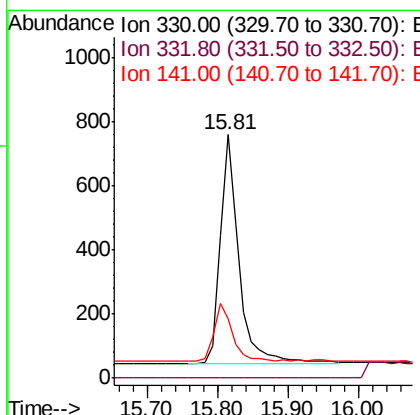
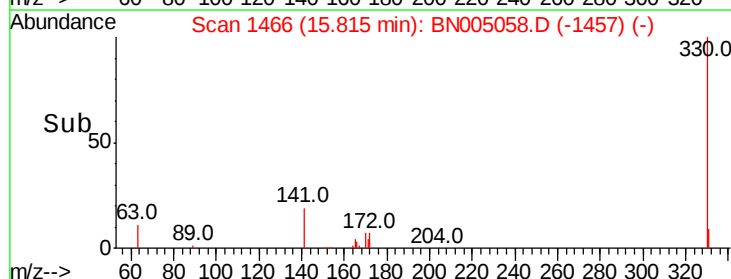
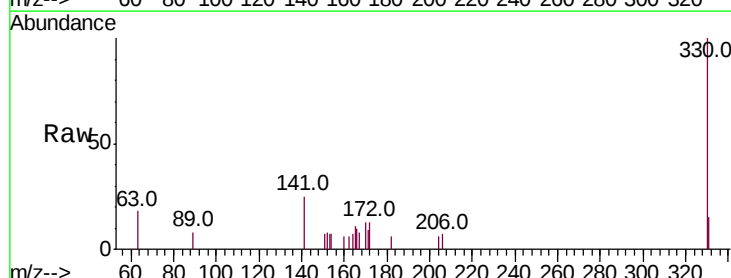
Manual Integrations  
APPROVED

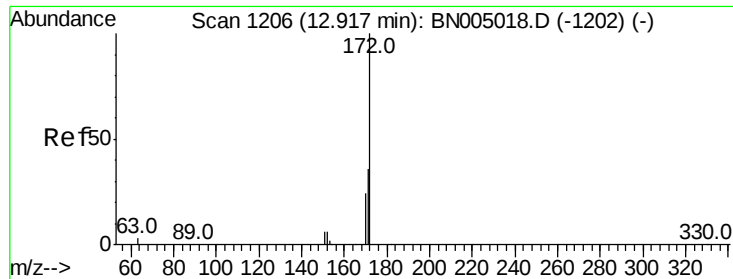
sohil  
4/3/2019 4:26:48 AM



#14  
2,4,6-Tribromophenol  
Concen: 0.334 ng  
RT: 15.81 min Scan# 1466  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 25.4  | 21.3  | 31.9  |





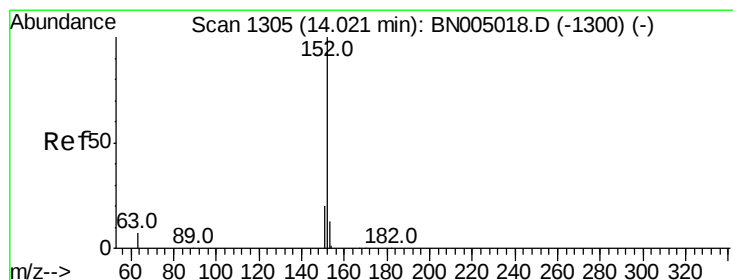
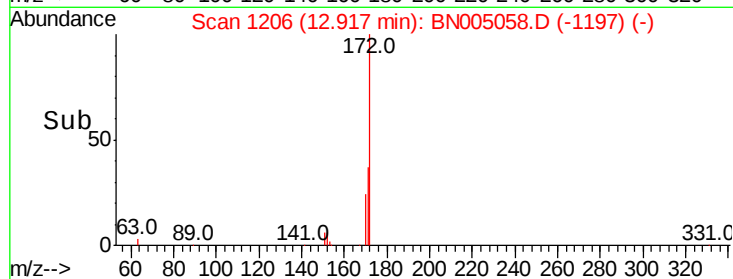
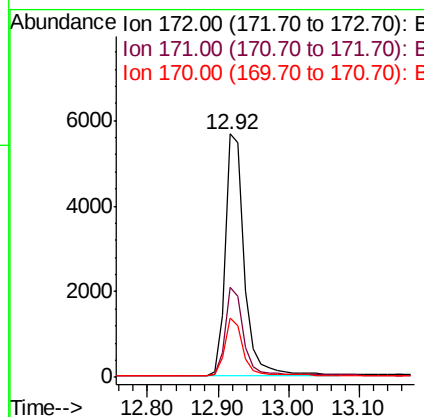
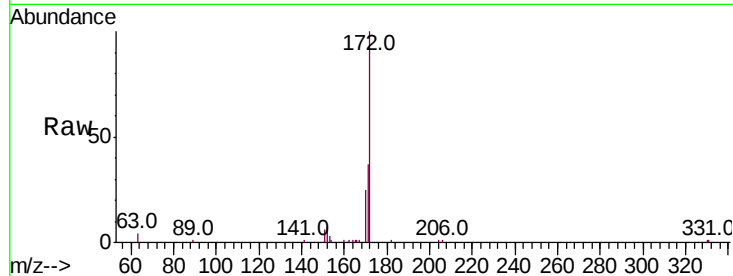
#15  
2-Fluorobiphenyl  
Concen: 0.400 ng  
RT: 12.92 min Scan# 1206  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.4  | 44.0  |
| 170     | 24.6  | 20.0  | 30.0  |

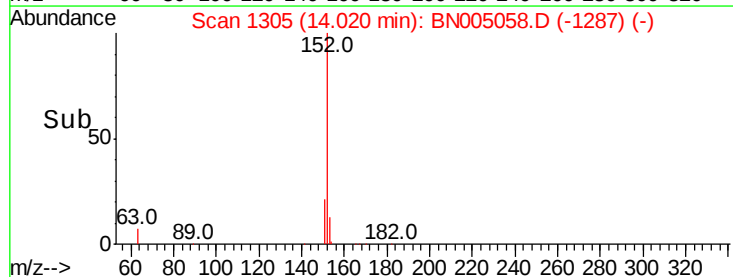
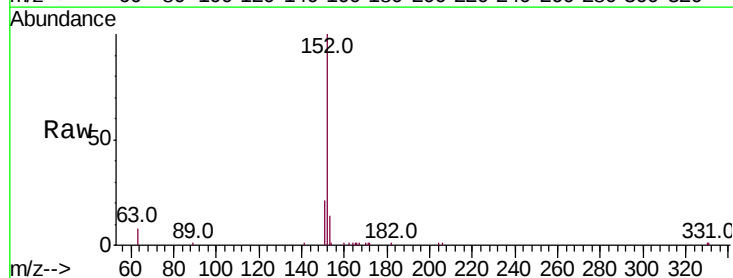
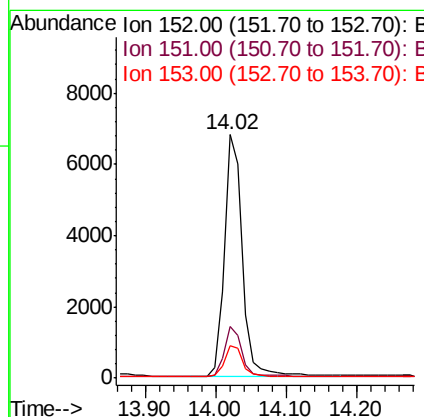
Manual Integrations  
APPROVED

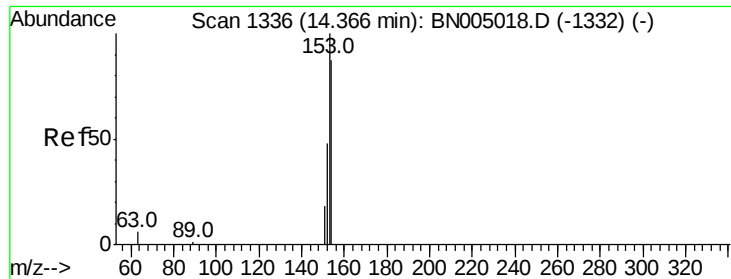
sohil  
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#16  
Acenaphthylene  
Concen: 0.363 ng  
RT: 14.02 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.8  | 23.6  |
| 153     | 13.1  | 10.6  | 15.8  |





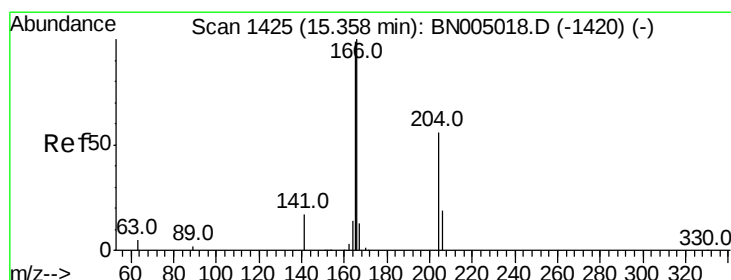
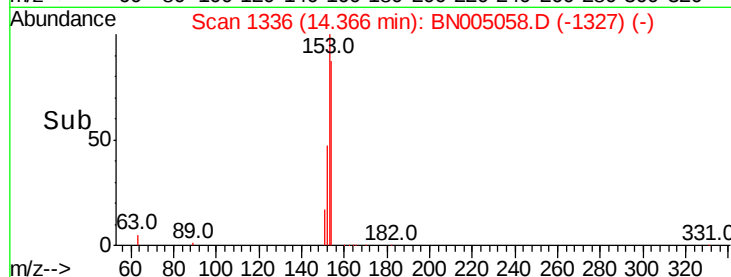
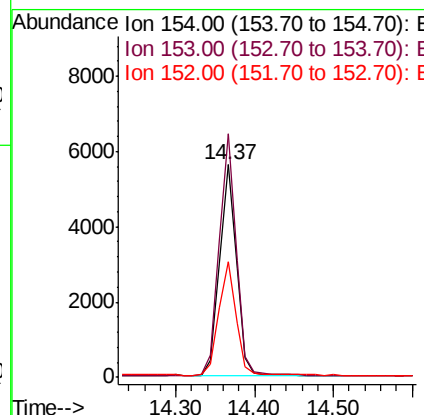
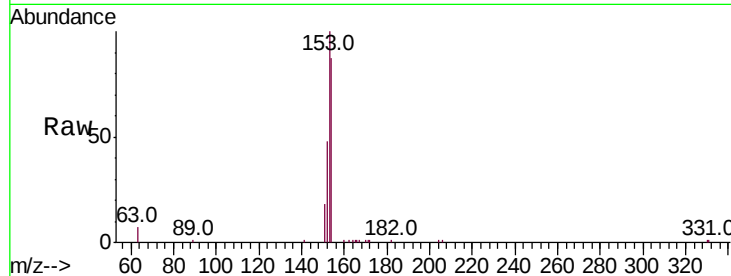
#17  
Acenaphthene  
Concen: 0.392 ng  
RT: 14.37 min Scan# 1336  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.8 | 92.1  | 138.1 |
| 152     | 54.8  | 44.2  | 66.2  |

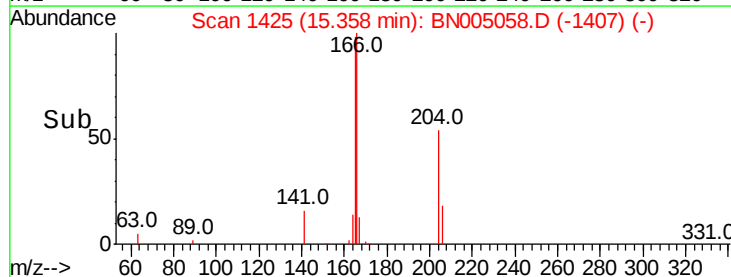
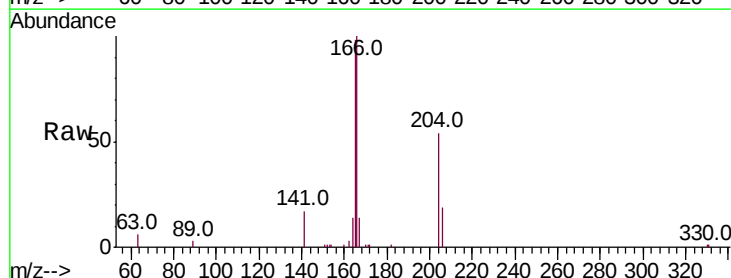
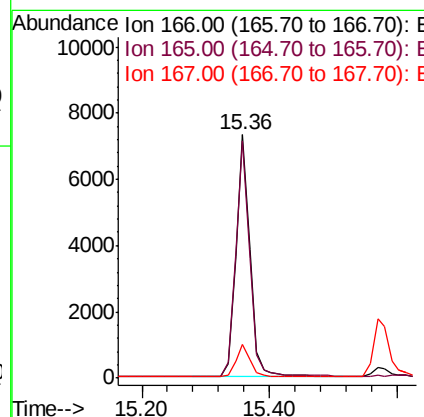
Manual Integrations  
APPROVED

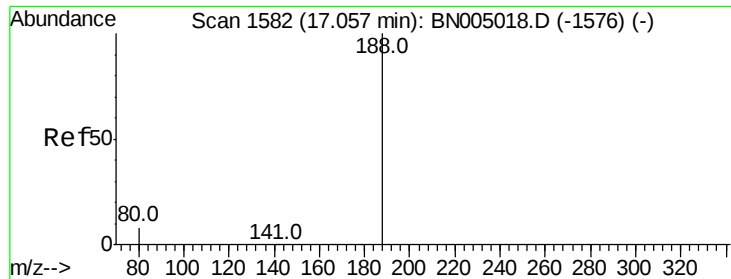
sohil  
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#18  
Fluorene  
Concen: 0.385 ng  
RT: 15.36 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.0  | 78.7  | 118.1 |
| 167     | 13.4  | 10.9  | 16.3  |





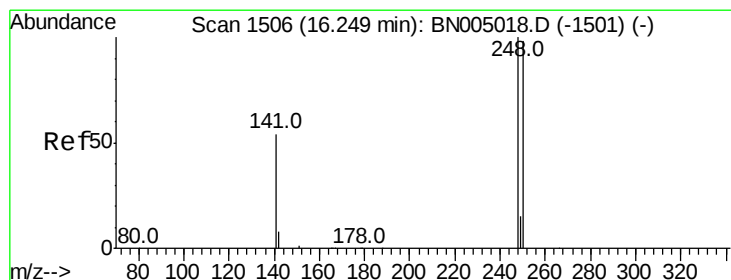
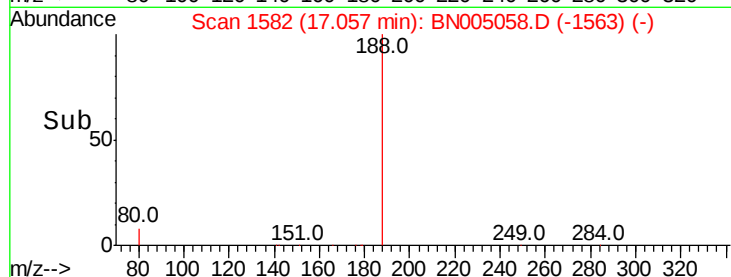
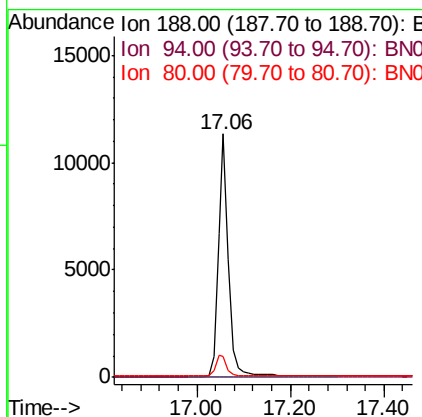
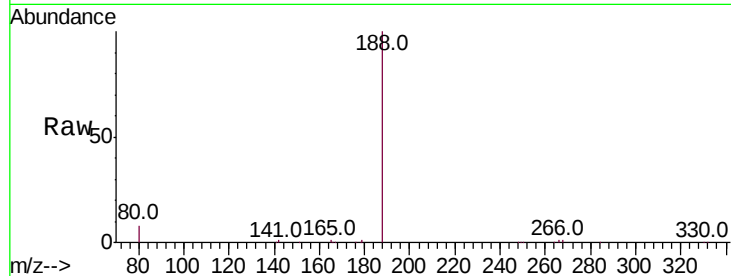
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 17177 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 8.5   | 6.9   | 10.3  |       |

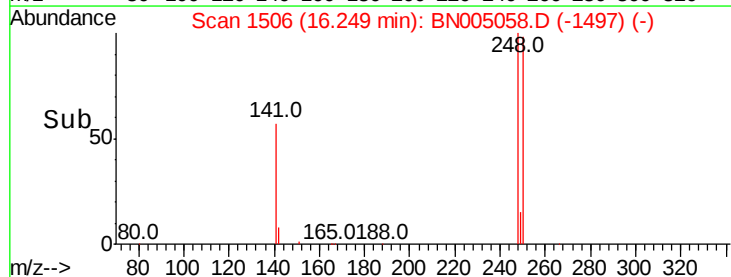
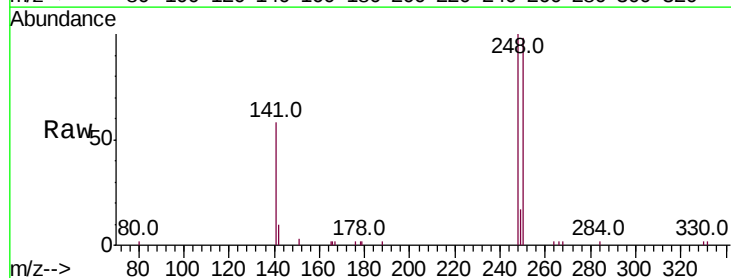
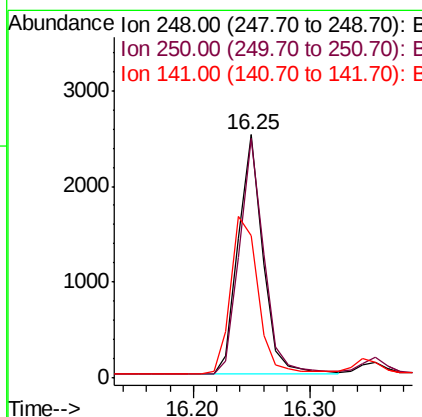
Manual Integrations  
APPROVED

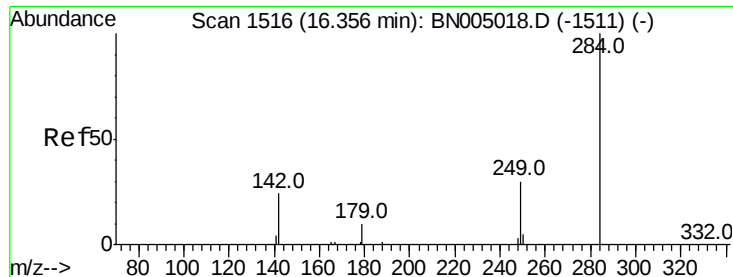
sohil  
4/3/2019 4:26:48 AM



#20  
4-Bromophenyl-phenylether  
Concen: 0.368 ng  
RT: 16.25 min Scan# 1506  
Delta R.T. -0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   | 3617 |       |       |
| 250     | 98.4  | 78.6 | 117.8 |       |
| 141     | 58.3  | 43.6 | 65.4  |       |





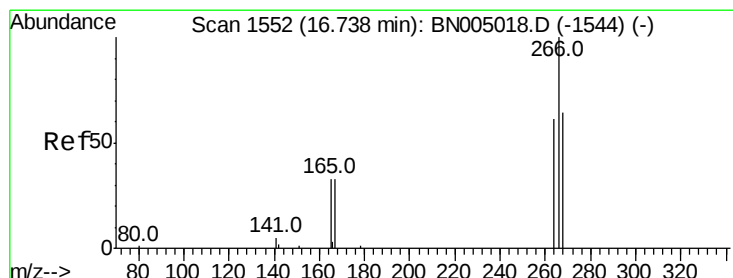
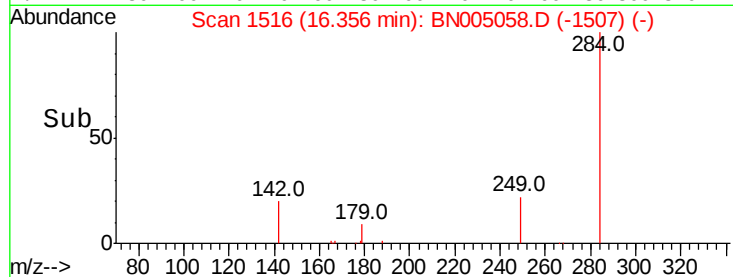
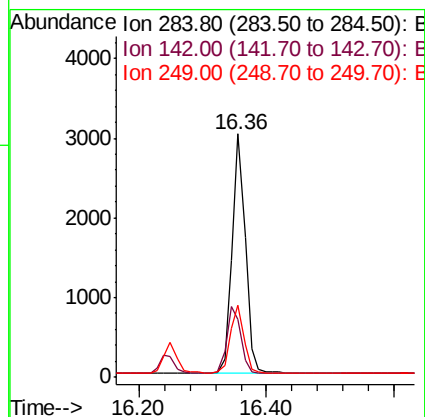
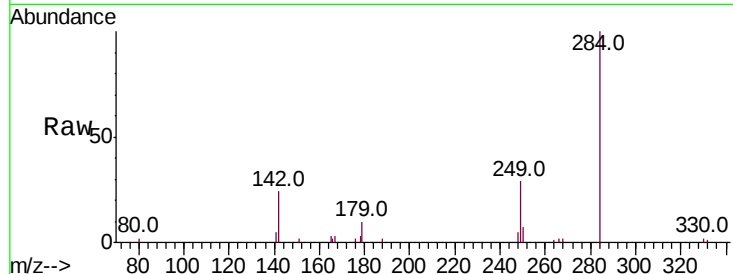
#21  
Hexachlorobenzene  
Concen: 0.399 ng  
RT: 16.36 min Scan# 1516  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 4331 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 29.7  | 24.9  | 37.3 |
| 249       | 28.7  | 23.8  | 35.6 |

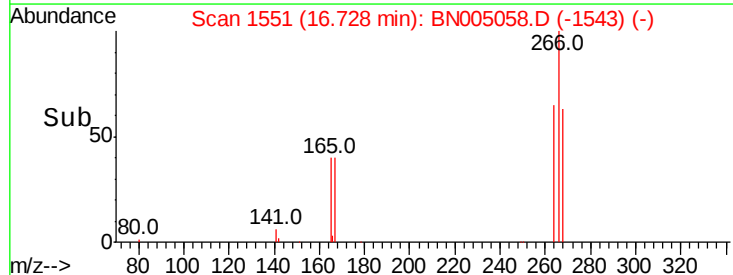
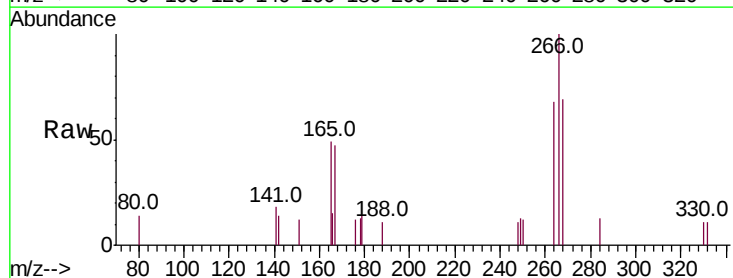
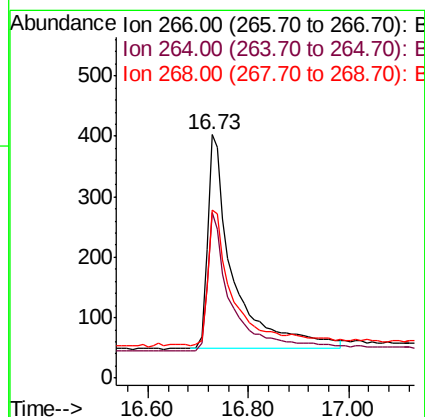
Manual Integrations  
APPROVED

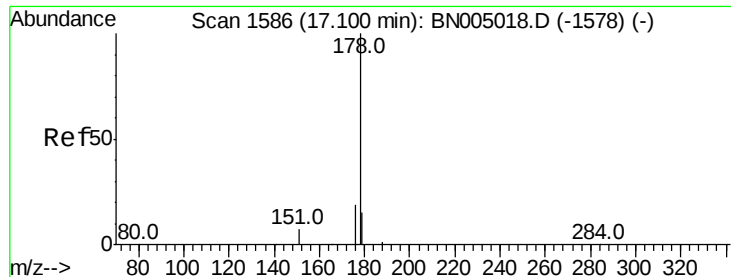
sohil  
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#22  
Pentachlorophenol  
Concen: 0.634 ng  
RT: 16.73 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1263 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 68.2  | 53.4  | 80.0 |
| 268       | 69.2  | 58.9  | 88.3 |





#23

Phenanthrene

Concen: 0.383 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

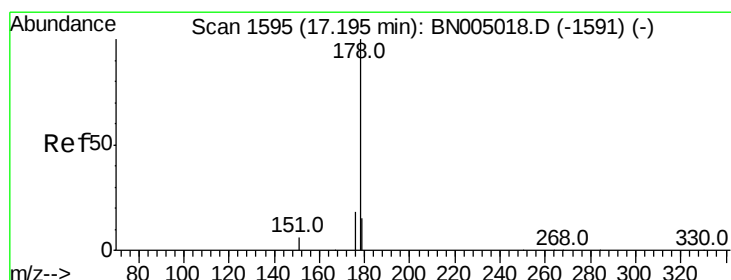
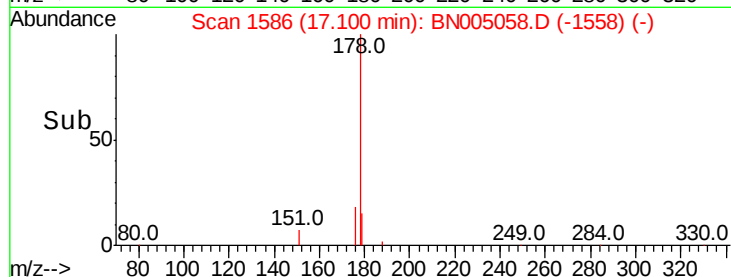
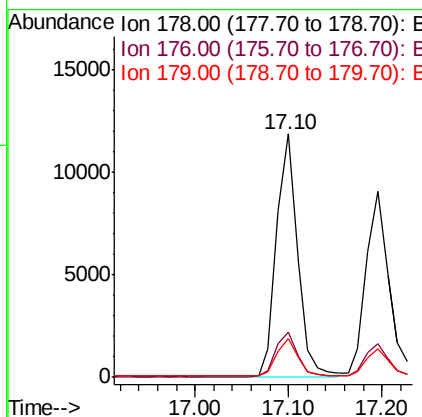
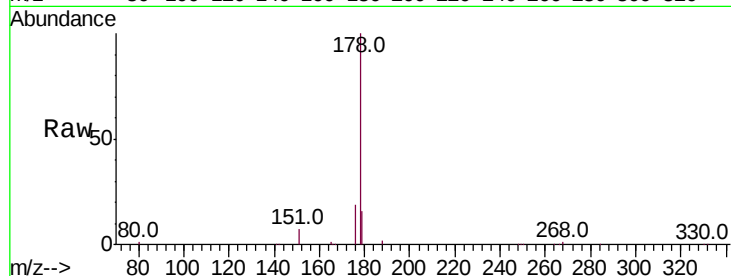
ClientSampleId :

PB118217BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 18430     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.6  | 15.1 22.7 |
| 179         | 15.4  | 12.2 18.2 |

Manual Integrations  
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#24

Anthracene

Concen: 0.366 ng

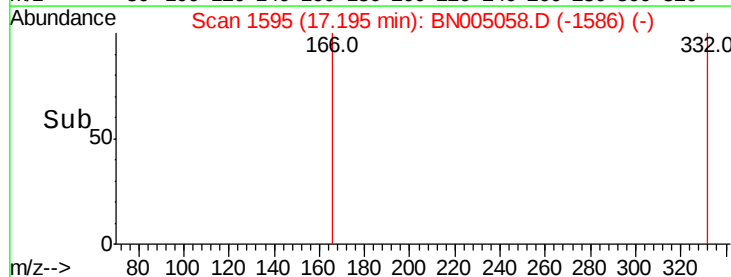
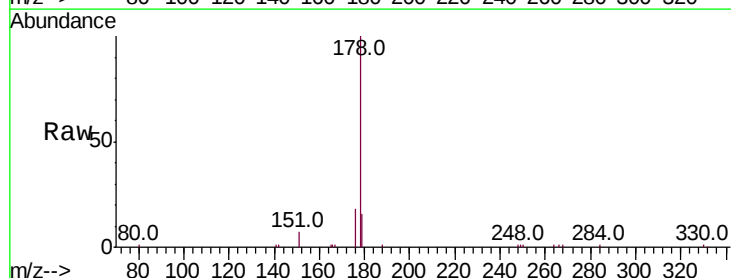
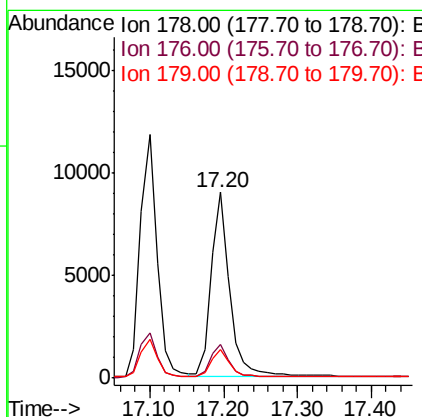
RT: 17.20 min Scan# 1595

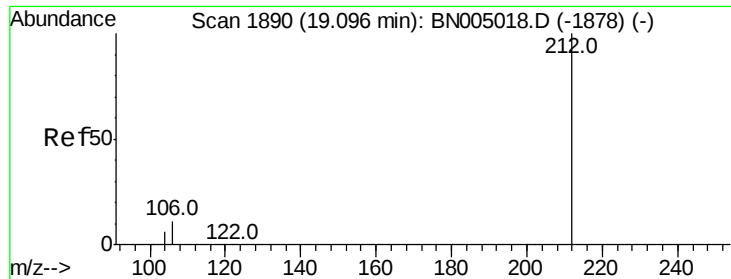
Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 15660     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.2  | 14.6 22.0 |
| 179         | 15.4  | 12.3 18.5 |





#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.10 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

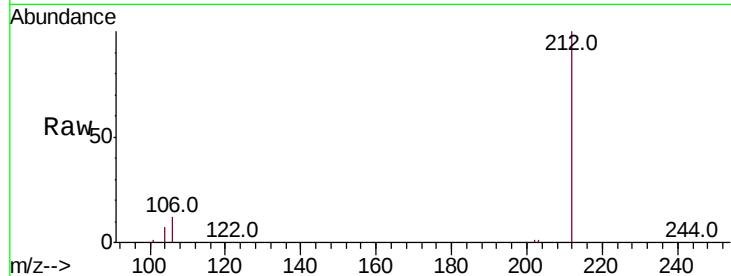
ClientSampleId :

PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 11.9  | 9.4   | 14.2  |
| 104     | 6.5   | 5.4   | 8.0   |

Manual Integrations  
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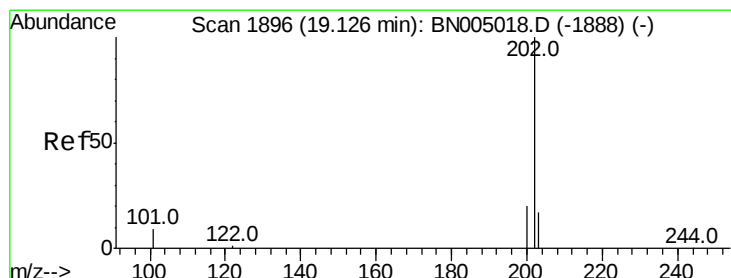
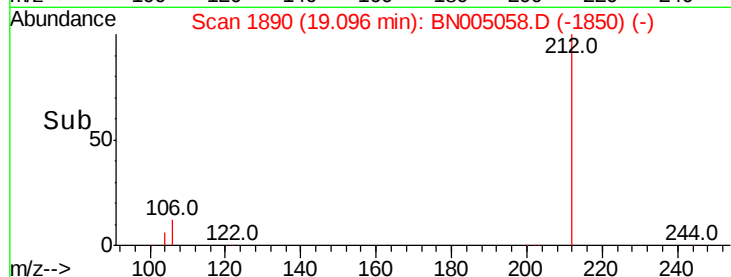
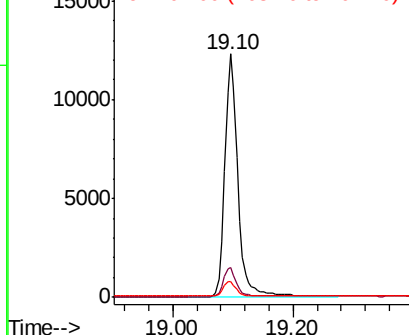


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.367 ng

RT: 19.13 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

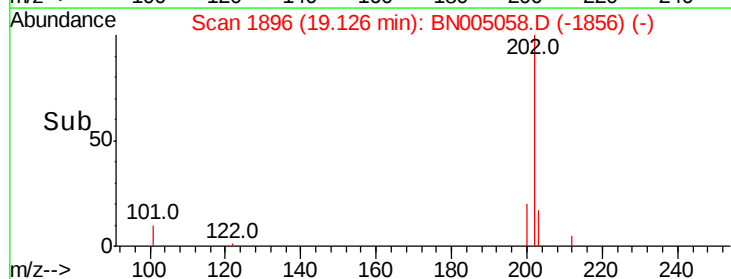
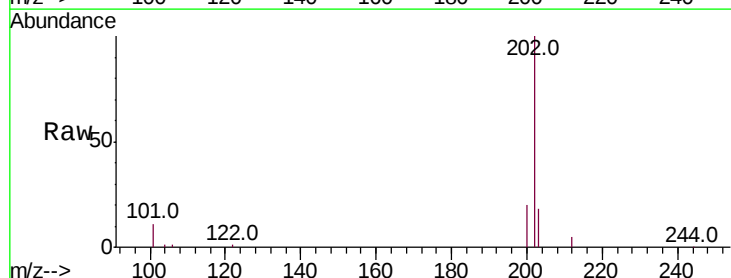
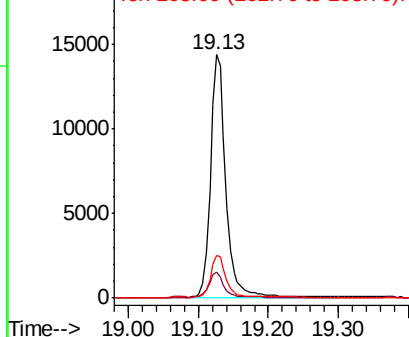
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.4  | 8.2   | 12.2  |
| 203     | 17.5  | 13.8  | 20.8  |

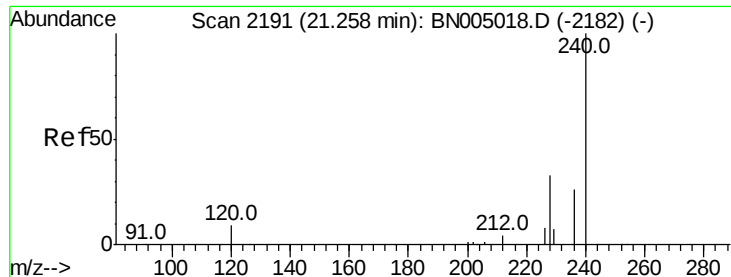
Abundance

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





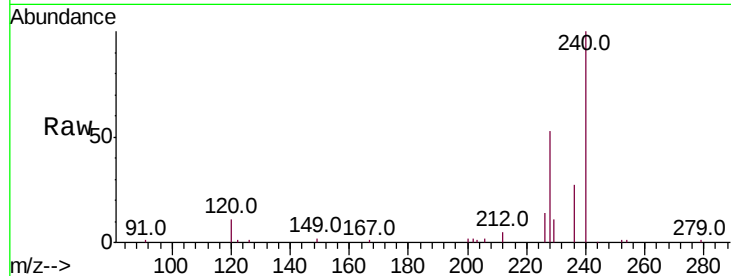
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.26 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

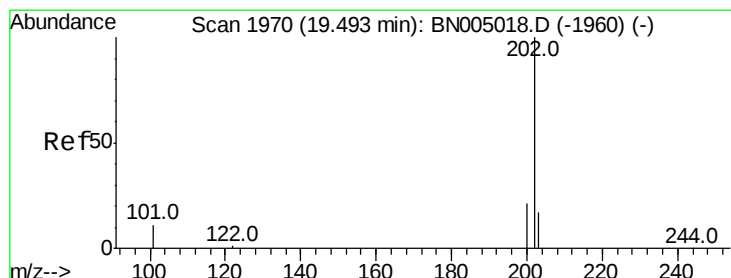
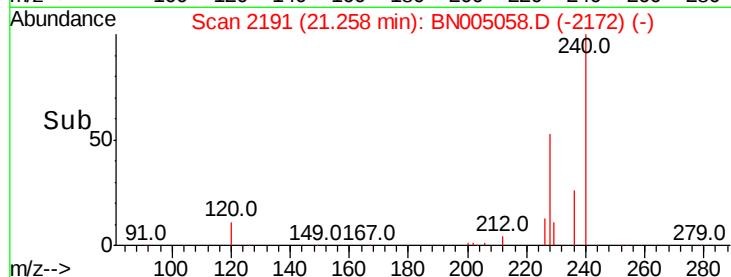
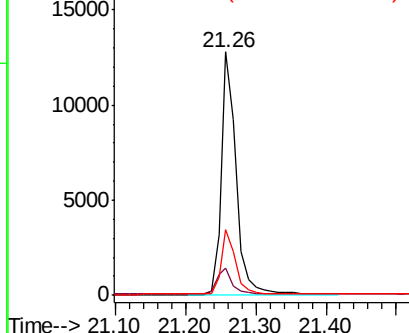
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 7.4   | 11.0# |
| 236     | 26.8  | 21.0  | 31.6  |

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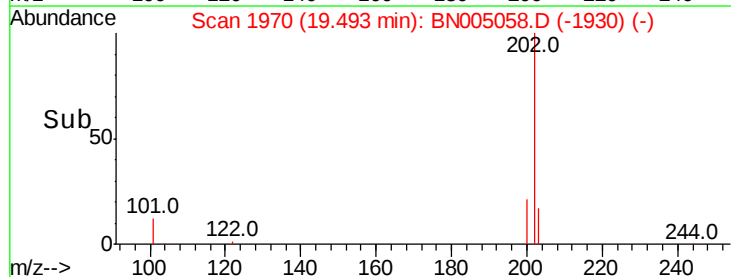
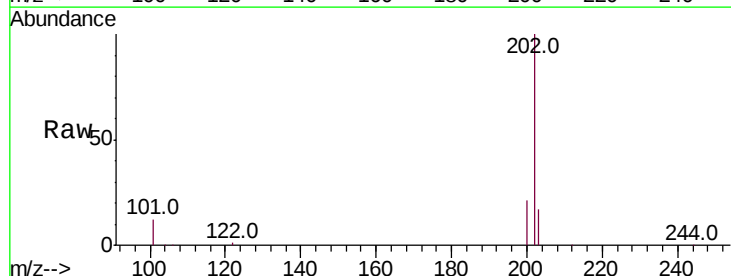
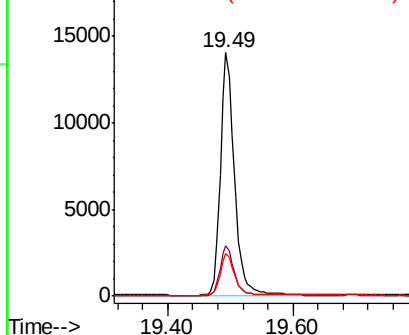
Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

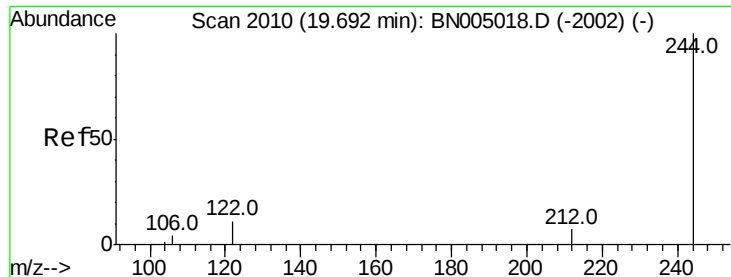


#28  
Pyrene  
Concen: 0.408 ng  
RT: 19.49 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.6  | 16.5  | 24.7  |
| 203     | 17.4  | 13.9  | 20.9  |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





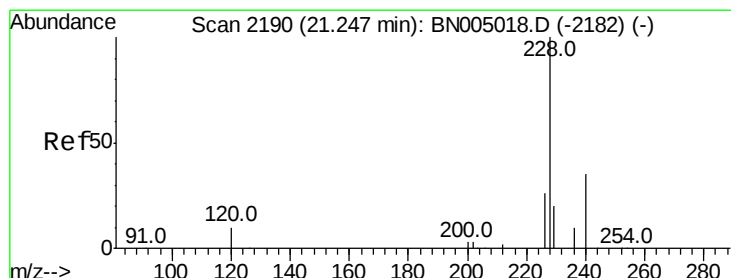
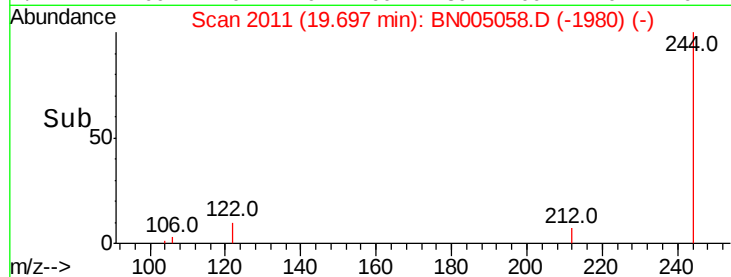
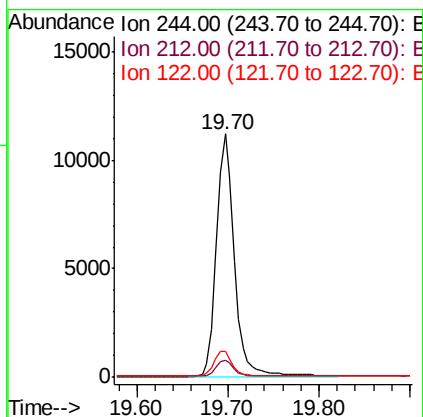
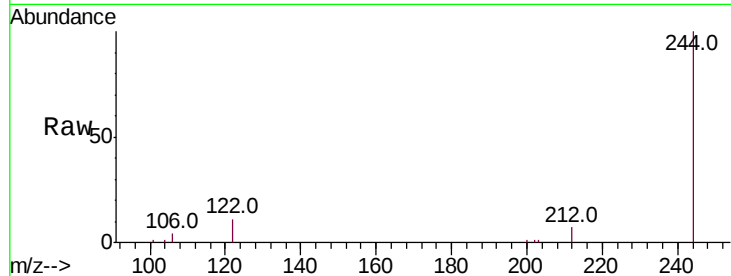
#29  
 Terphenyl-d14  
 Concen: 0.388 ng  
 RT: 19.70 min Scan# 2011  
 Delta R.T. 0.00 min  
 Lab File: BN005058.D  
 Acq: 02 Apr 2019 12:49

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.9   | 8.9   |
| 122     | 10.6  | 9.0   | 13.4  |

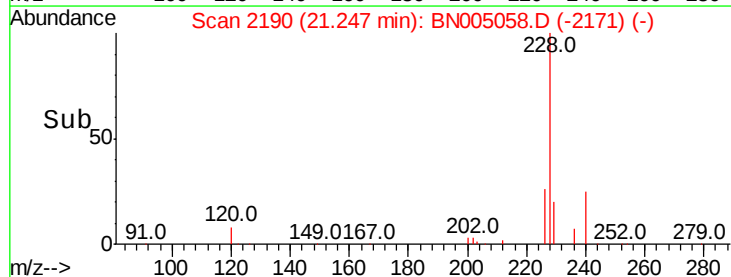
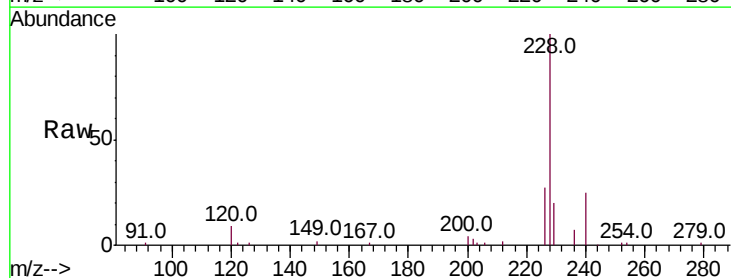
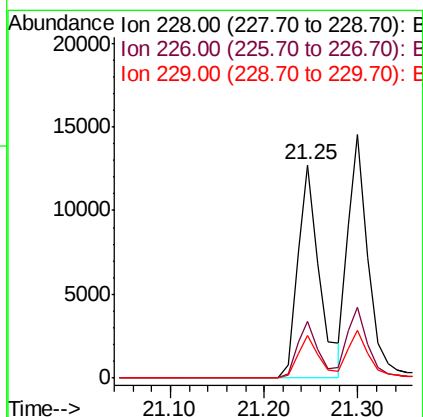
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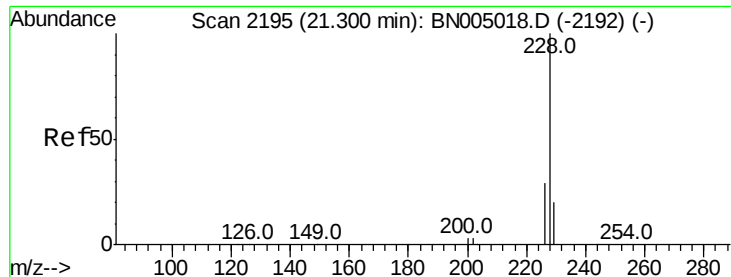
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#30  
 Benzo(a)anthracene  
 Concen: 0.381 ng  
 RT: 21.25 min Scan# 2190  
 Delta R.T. -0.00 min  
 Lab File: BN005058.D  
 Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.7  | 20.9  | 31.3  |
| 229     | 19.8  | 16.2  | 24.2  |





#31

Chrysene

Concen: 0.375 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

ClientSampleId :

PB118217BS

Tot Ion:228 Resp: 21475

Ion Ratio Lower Upper

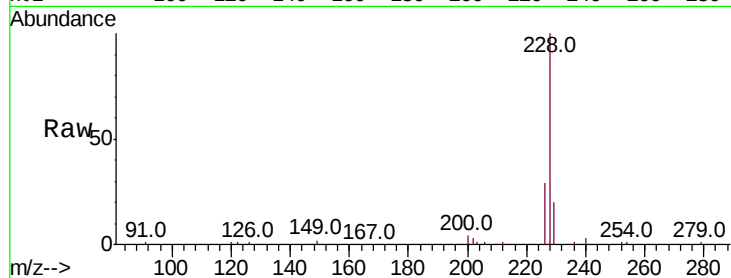
228 100

226 29.3 22.8 34.2

229 19.7 16.2 24.4

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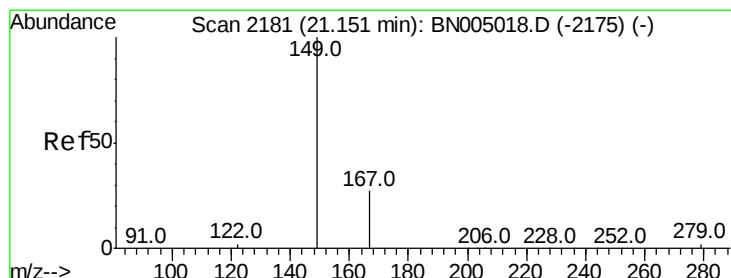
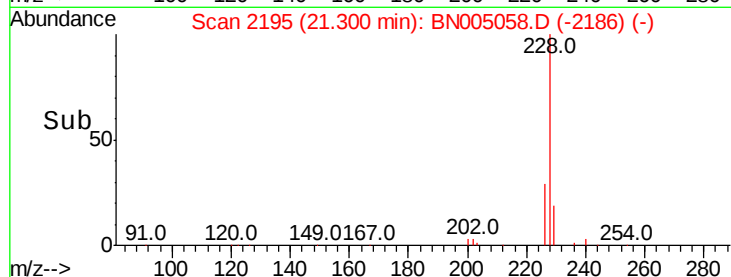
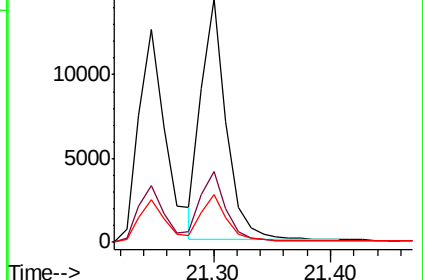
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Abundance Ion 228.00 (227.70 to 228.70): E

20000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.313 ng

RT: 21.15 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

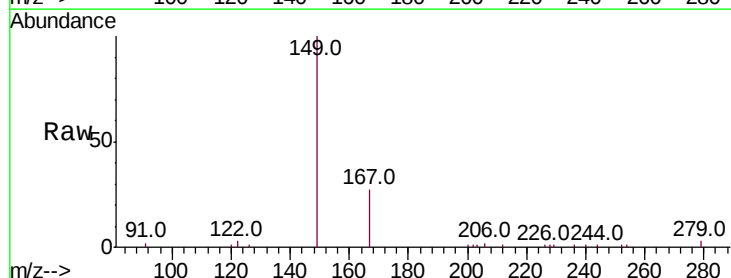
Tgt Ion:149 Resp: 6958

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

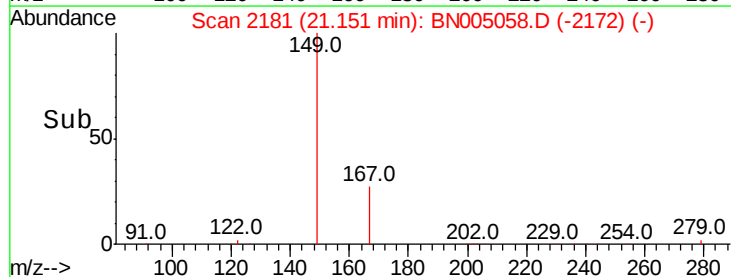
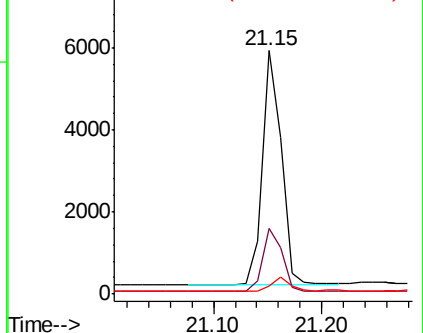
279 5.4 4.2 6.4

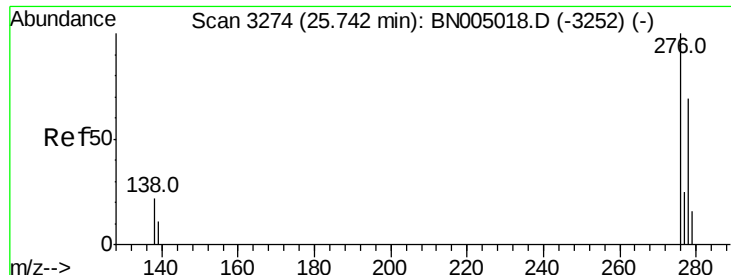


Abundance Ion 149.00 (148.70 to 149.70): E

8000 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.343 ng

RT: 25.75 min Scan# 3277

Delta R.T. 0.01 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

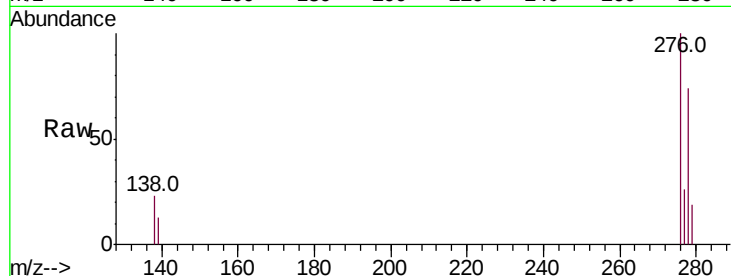
ClientSampleId :

PB118217BS

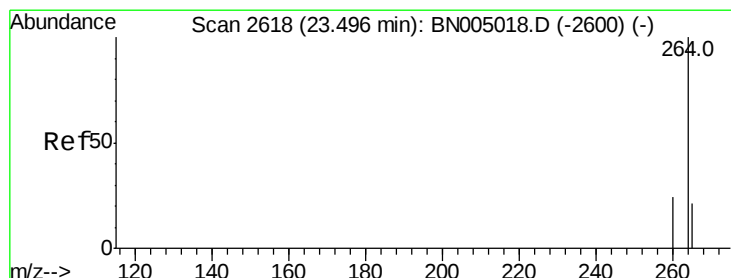
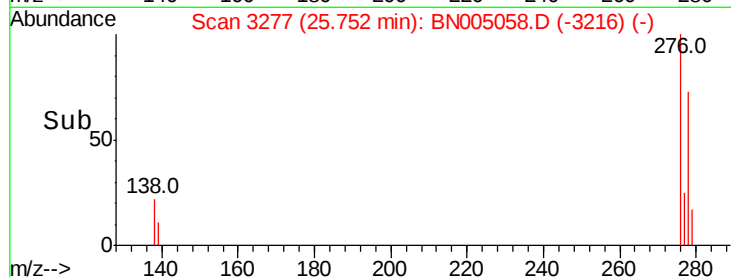
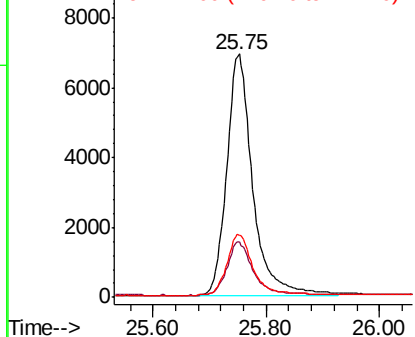
|             |       |       |
|-------------|-------|-------|
| Tot Ion:276 | Resp: | 22098 |
| Ion Ratio   | Lower | Upper |
| 276 100     |       |       |
| 138 22.2    | 18.2  | 27.2  |
| 277 25.4    | 20.3  | 30.5  |

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Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

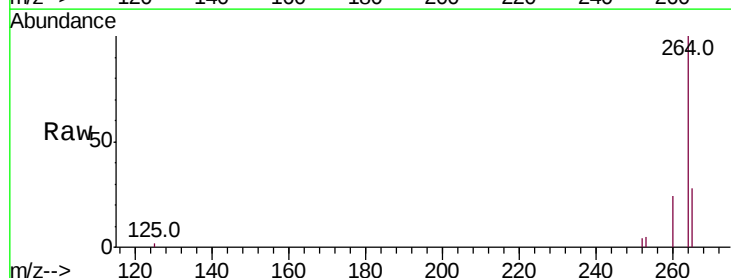
RT: 23.50 min Scan# 2619

Delta R.T. 0.00 min

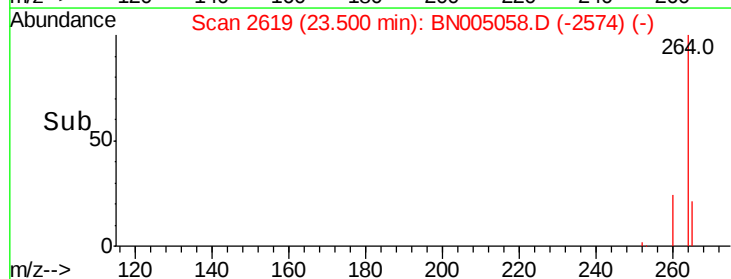
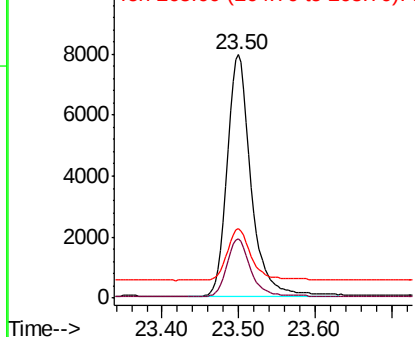
Lab File: BN005058.D

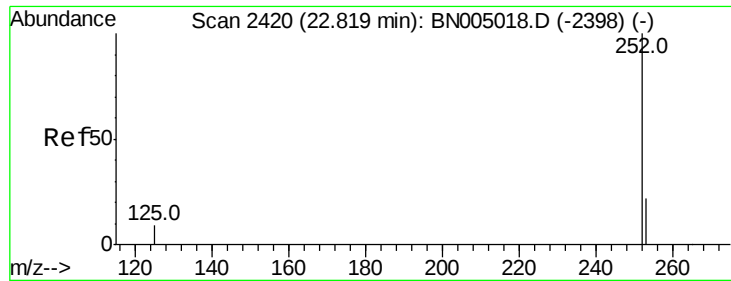
Acq: 02 Apr 2019 12:49

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:264 | Resp: | 17388 |
| Ion Ratio   | Lower | Upper |
| 264 100     |       |       |
| 260 24.2    | 19.4  | 29.0  |
| 265 28.5    | 22.5  | 33.7  |



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





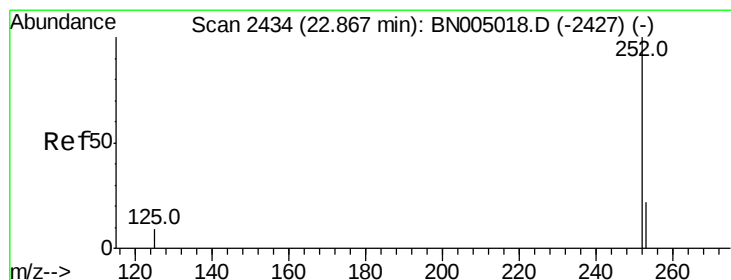
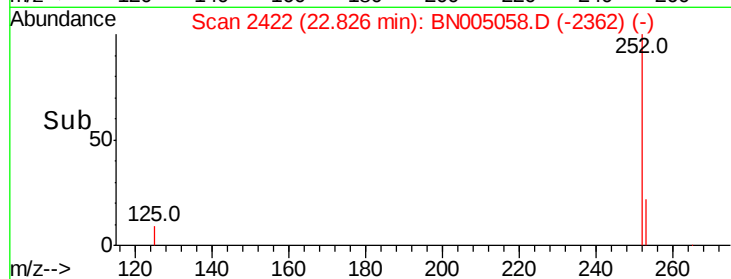
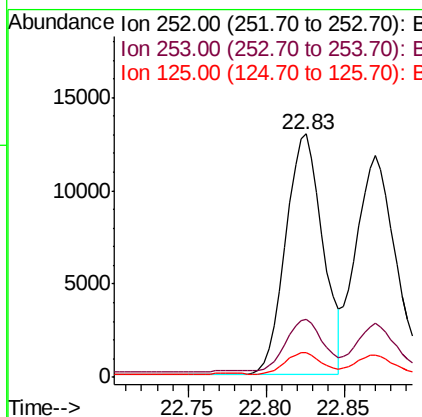
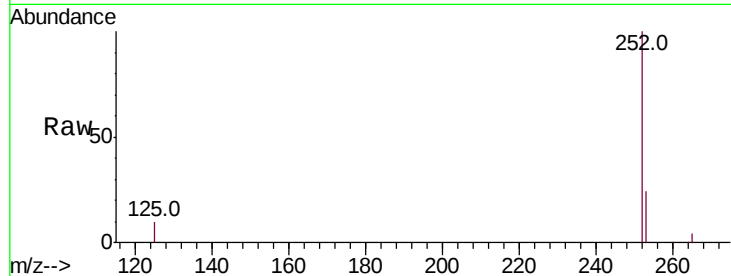
#35  
Benzo(b)fluoranthene  
Concen: 0.386 ng  
RT: 22.83 min Scan# 2422  
Delta R.T. 0.01 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 19.2  | 28.8  |
| 125     | 9.9   | 8.2   | 12.2  |

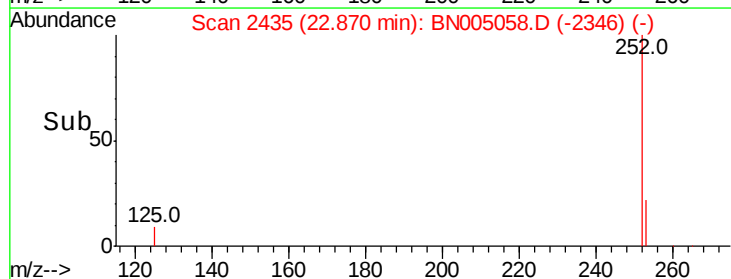
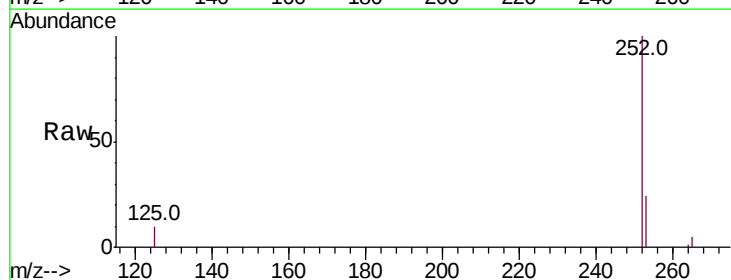
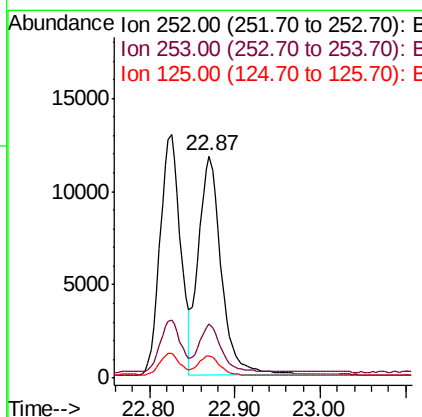
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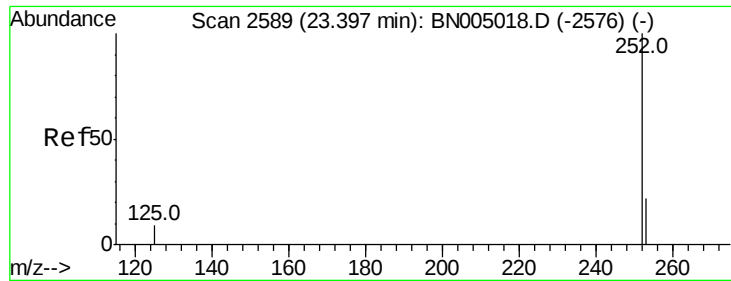
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#36  
Benzo(k)fluoranthene  
Concen: 0.405 ng  
RT: 22.87 min Scan# 2435  
Delta R.T. 0.00 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 19.3  | 28.9  |
| 125     | 10.0  | 8.2   | 12.2  |





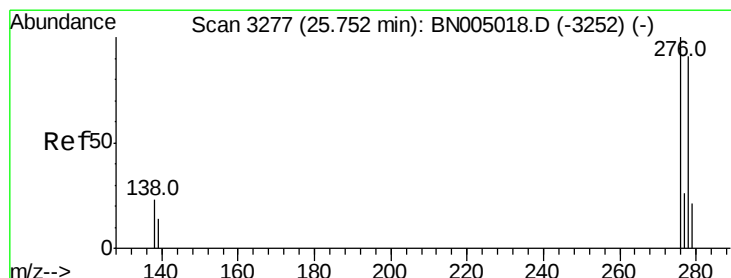
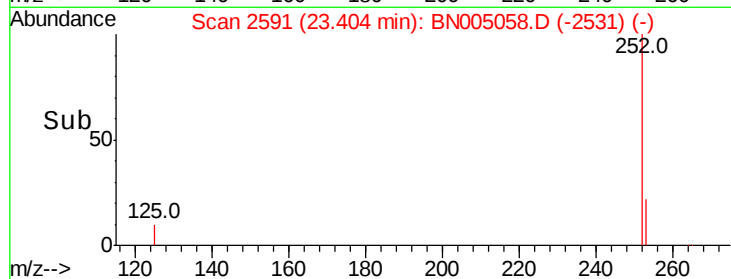
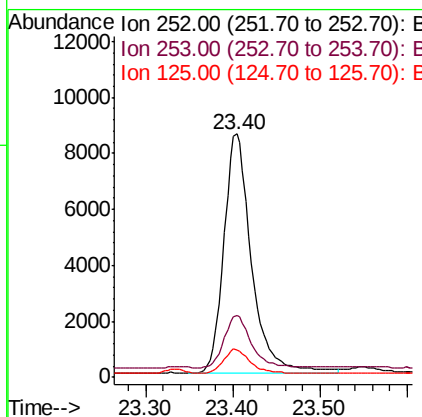
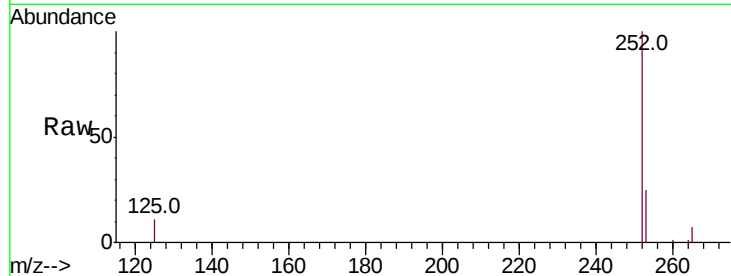
#37  
Benzo(a)pyrene  
Concen: 0.380 ng  
RT: 23.40 min Scan# 2591  
Delta R.T. 0.01 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

Instrument :  
BNA\_N  
ClientSampleId :  
PB118217BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 20.2  | 30.2  |
| 125     | 11.4  | 9.2   | 13.8  |

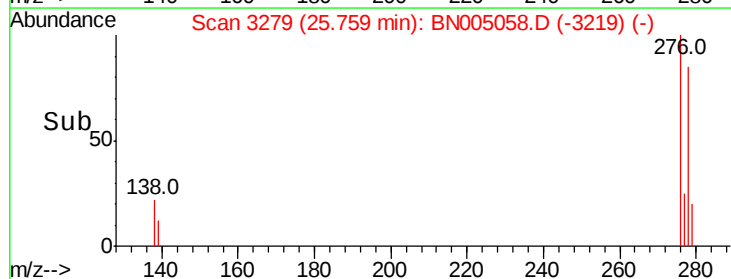
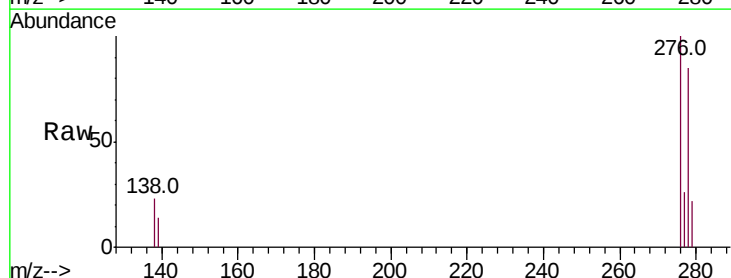
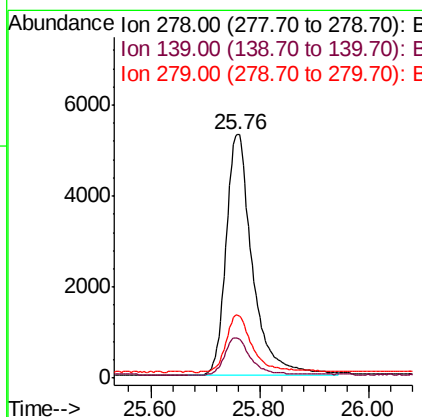
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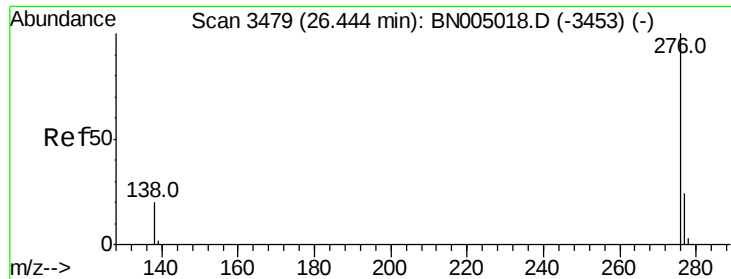
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.361 ng  
RT: 25.76 min Scan# 3279  
Delta R.T. 0.01 min  
Lab File: BN005058.D  
Acq: 02 Apr 2019 12:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.4  | 13.1  | 19.7  |
| 279     | 26.1  | 20.2  | 30.2  |





#39

Benzo(a,h,i)perylene

Concen: 0.372 ng

RT: 26.44 min Scan# 3479

Delta R.T. 0.00 min

Lab File: BN005058.D

Acq: 02 Apr 2019 12:49

Instrument :

BNA\_N

ClientSampleId :

PB118217BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 18591 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.7  | 19.8  | 29.6  |
| 138       | 20.5  | 16.4  | 24.6  |

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