

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007851.D  
 Acq On : 25 Sep 2019 13:24  
 Operator : JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

mohammad  
 9/27/2019 8:27:51 AM

Quant Time: Sep 26 04:01:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 9148     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.46 | 136  | 36693    | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.31 | 164  | 23373    | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.06 | 188  | 50940    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.26 | 240  | 50619    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.47 | 264  | 47099    | 0.40  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.31  | 112  | 10839    | 0.34  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.86  | 99   | 13919    | 0.35  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 12281    | 0.38  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.05 | 152  | 26762    | 0.43  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 3323     | 0.26  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 38554    | 0.40  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.09 | 212  | 67445    | 0.39  | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.70 | 244  | 58325    | 0.47  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 4101     | 0.402 | ng    | # 83     |
| 3) n-Nitrosodimethylamine      | 3.00  | 42   | 3152m    | 0.675 | ng    |          |
| 6) bis(2-Chloroethyl)ether     | 7.13  | 93   | 11024    | 0.426 | ng    | 99       |
| 9) Naphthalene                 | 10.51 | 128  | 44032    | 0.428 | ng    | 99       |
| 10) Hexachlorobutadiene        | 10.81 | 225  | 9231     | 0.426 | ng    | # 99     |
| 12) 2-Methylnaphthalene        | 12.13 | 142  | 30550    | 0.439 | ng    | 99       |
| 16) Acenaphthylene             | 14.02 | 152  | 45762    | 0.369 | ng    | 100      |
| 17) Acenaphthene               | 14.37 | 154  | 30202    | 0.378 | ng    | 96       |
| 18) Fluorene                   | 15.36 | 166  | 40156    | 0.392 | ng    | 100      |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248  | 13327    | 0.431 | ng    | # 76     |
| 21) Hexachlorobenzene          | 16.38 | 284  | 14891    | 0.441 | ng    | 99       |
| 22) Pentachlorophenol          | 16.72 | 266  | 3789     | 0.304 | ng    | 100      |
| 23) Phenanthrene               | 17.10 | 178  | 68422    | 0.431 | ng    | 100      |
| 24) Anthracene                 | 17.19 | 178  | 58721    | 0.410 | ng    | 100      |
| 26) Fluoranthene               | 19.12 | 202  | 79224    | 0.402 | ng    | 100      |
| 28) Pyrene                     | 19.49 | 202  | 78682    | 0.456 | ng    | 100      |
| 30) Benzo(a)anthracene         | 21.24 | 228  | 73617    | 0.395 | ng    | 99       |
| 31) Chrysene                   | 21.29 | 228  | 75563    | 0.416 | ng    | 100      |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 28510    | 0.297 | ng    | 100      |
| 33) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 69866    | 0.307 | ng    | 99       |
| 35) Benzo(b)fluoranthene       | 22.81 | 252  | 68436    | 0.419 | ng    | 99       |
| 36) Benzo(k)fluoranthene       | 22.86 | 252  | 74591    | 0.461 | ng    | 99       |
| 37) Benzo(a)pyrene             | 23.38 | 252  | 62336    | 0.406 | ng    | 99       |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278  | 56723    | 0.361 | ng    | 100      |
| 39) Benzo(g,h,i)perylene       | 26.35 | 276  | 55591    | 0.357 | ng    | 99       |

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

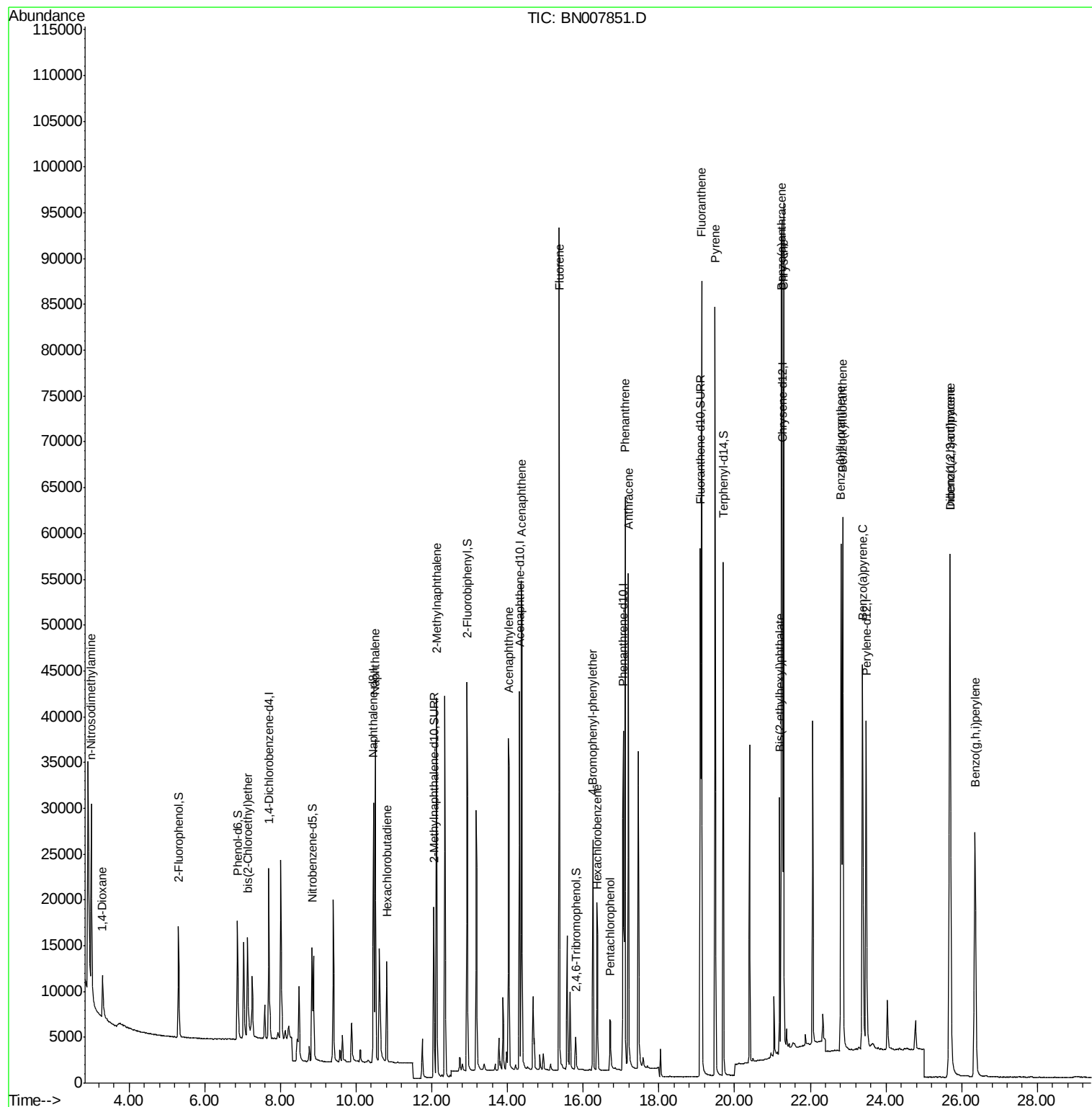
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
Data File : BN007851.D  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

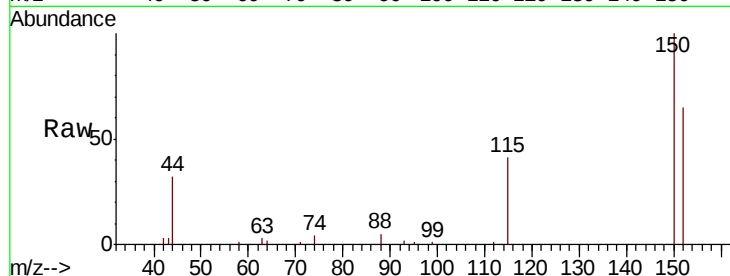
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.69 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

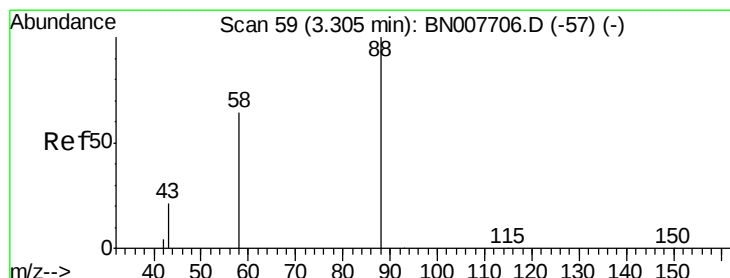
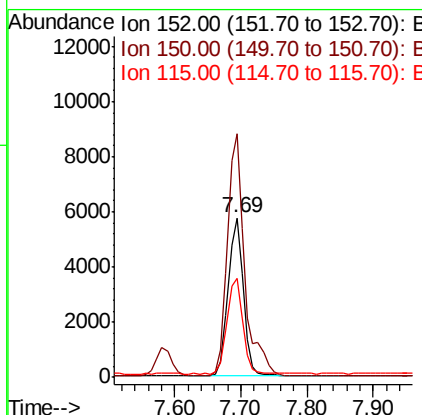
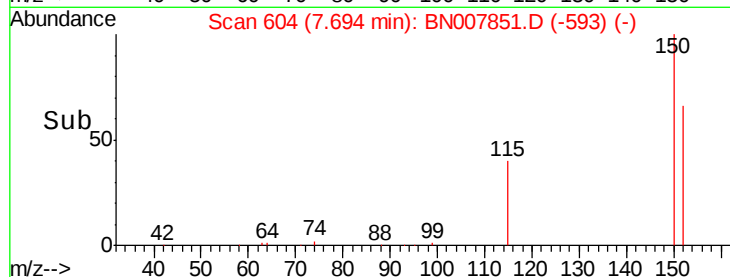
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.0 | 125.6 | 188.4 |
| 115     | 62.6  | 53.3  | 79.9  |

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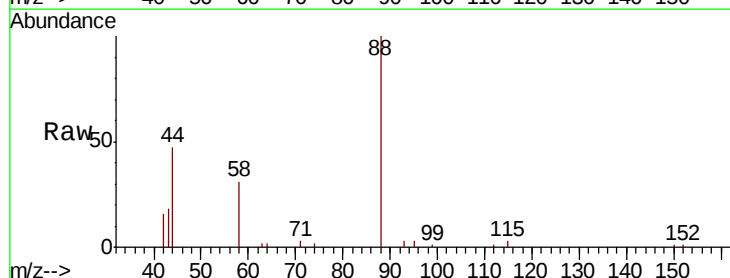
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



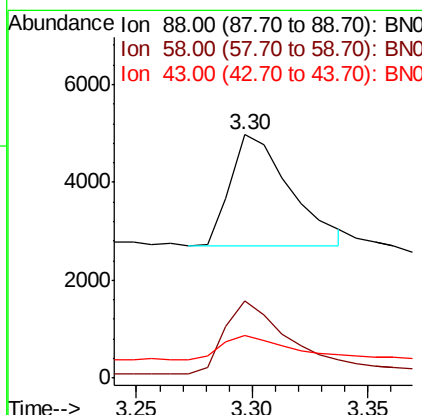
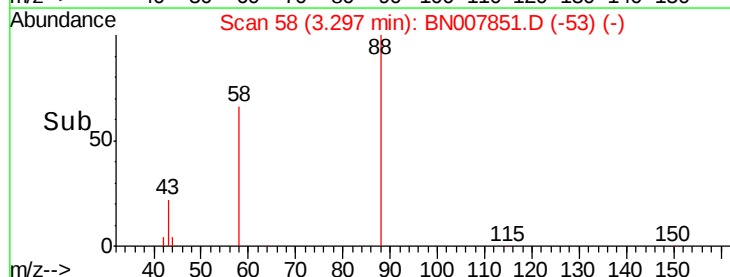
#2

1,4-Dioxane  
Concen: 0.402 ng  
RT: 3.30 min Scan# 58  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 69.2  | 44.6  | 66.8# |
| 43      | 23.6  | 14.4  | 21.6# |



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

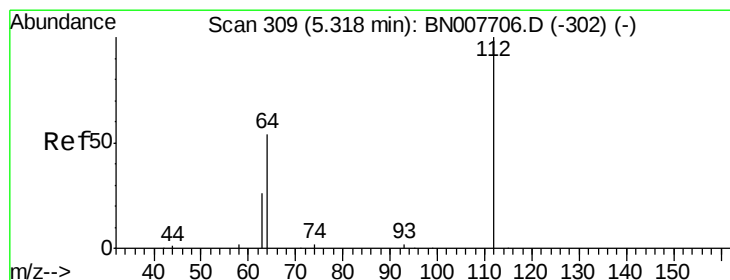
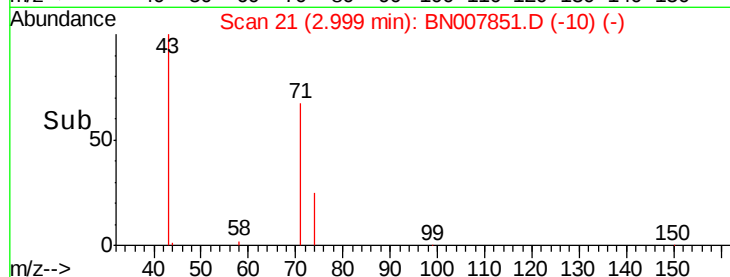
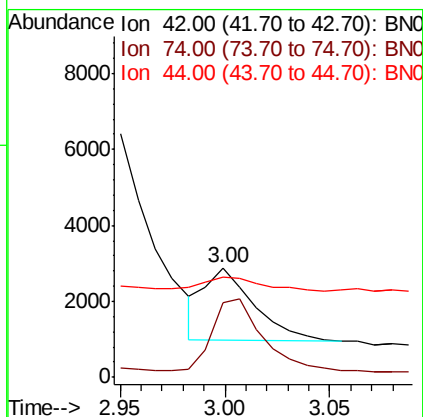
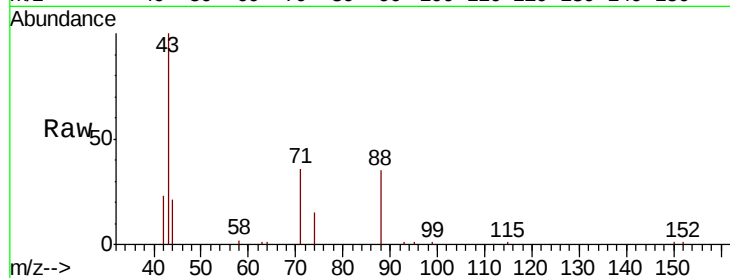
n-Nitrosodimethylamine  
 Concen: 0.675 ng/ml  
 RT: 3.00 min Scan# 21  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 87.9  | 131.9# |
| 44      | 0.0   | 29.4  | 44.0#  |

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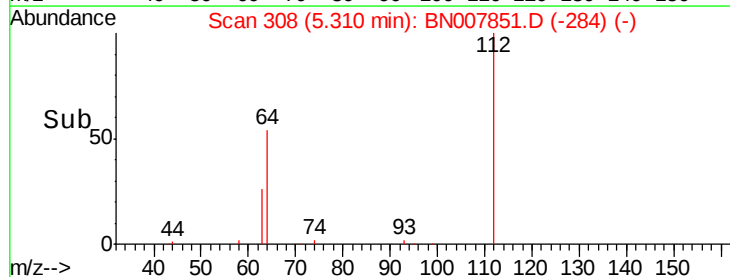
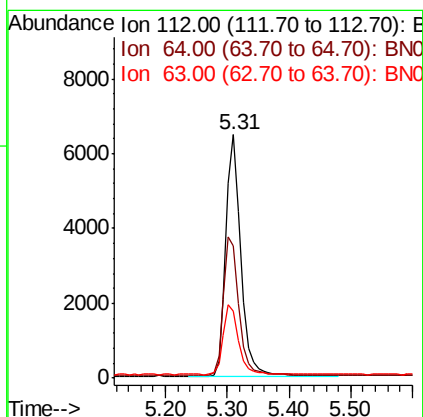
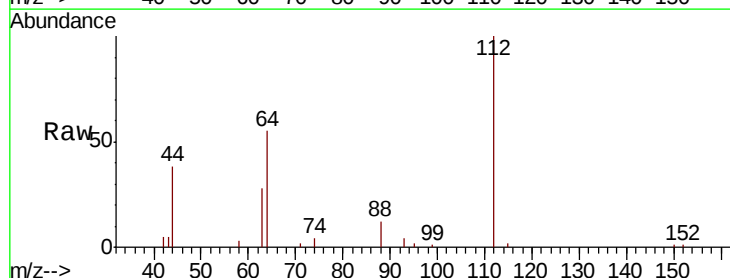
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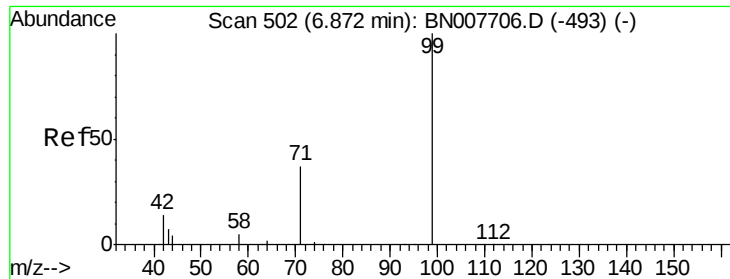


#4

2-Fluorophenol  
 Concen: 0.344 ng/ml  
 RT: 5.31 min Scan# 308  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.9  | 46.6  | 70.0  |
| 63      | 29.5  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.354 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

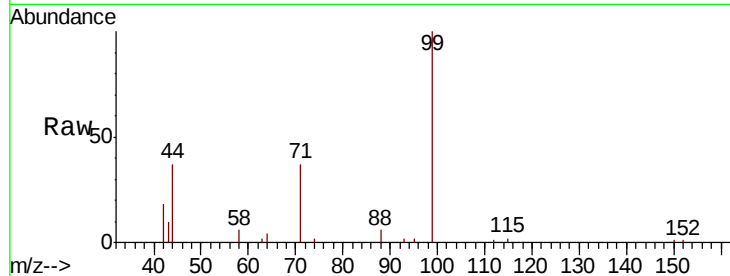
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 13919 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 14.2  | 12.8  | 19.2  |
| 71       | 34.1  | 27.6  | 41.4  |

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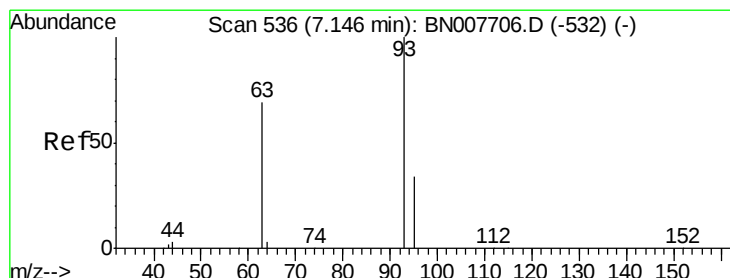
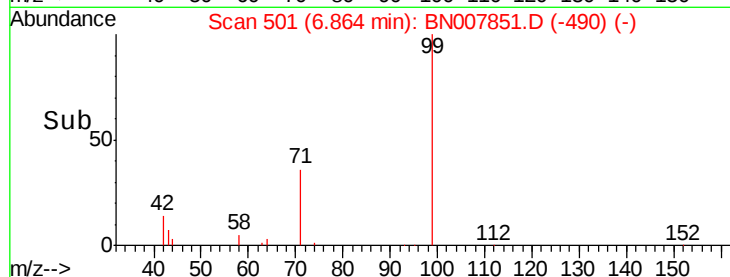
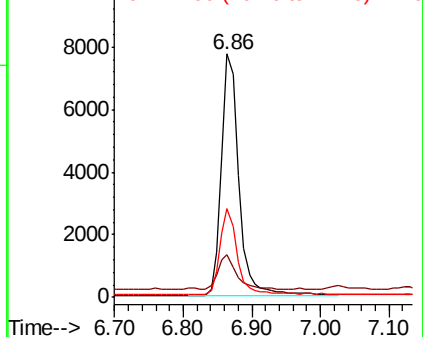


Abundance

Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.426 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

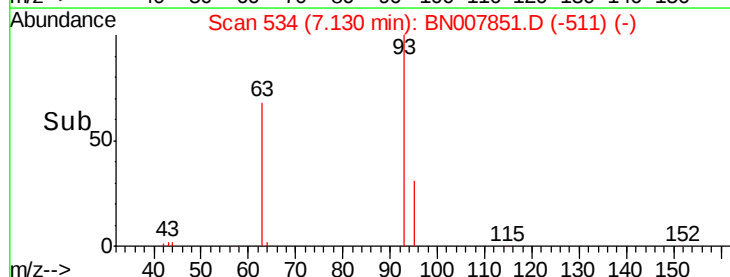
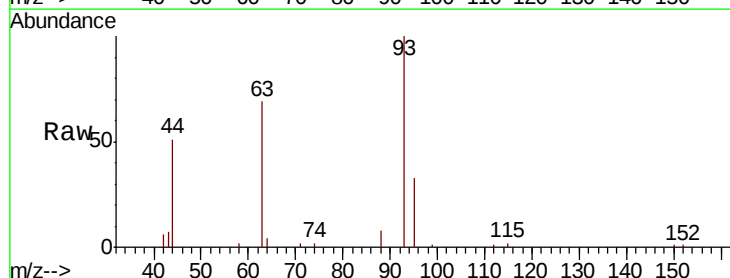
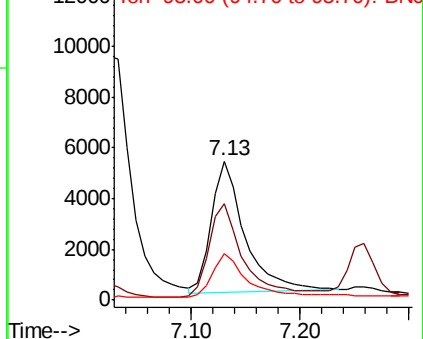
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 11024 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 73.7  | 59.3  | 88.9  |
| 95       | 37.4  | 31.4  | 47.0  |

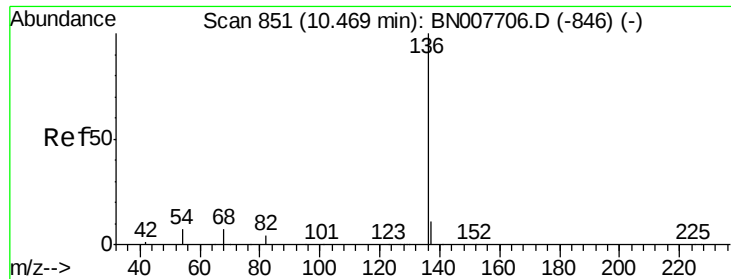
Abundance

Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

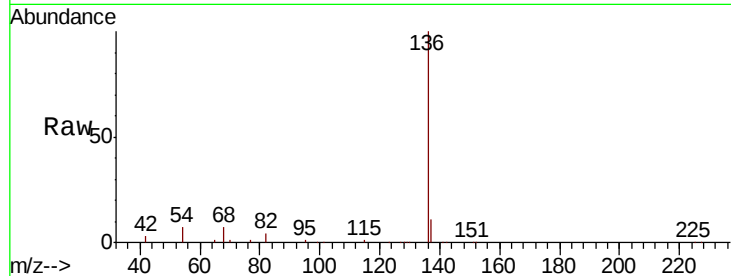
ClientSampleId :

SSTDCCC0.4

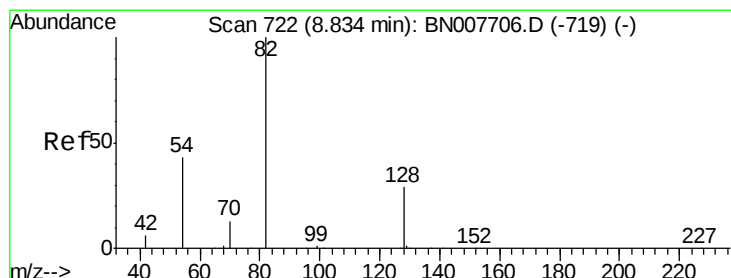
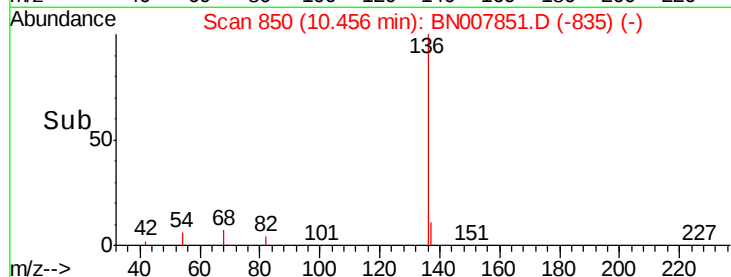
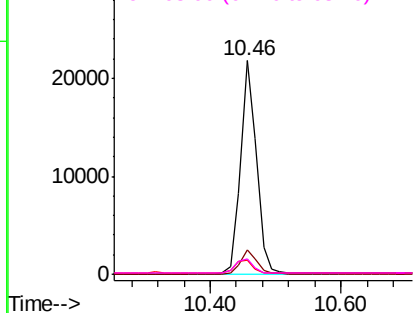
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 36693 |       |       |
| 137     | 11.3  |       | 9.2   | 13.8  |
| 54      | 6.6   |       | 5.8   | 8.8   |
| 68      | 7.1   |       | 6.5   | 9.7   |

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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: 0.383 ng

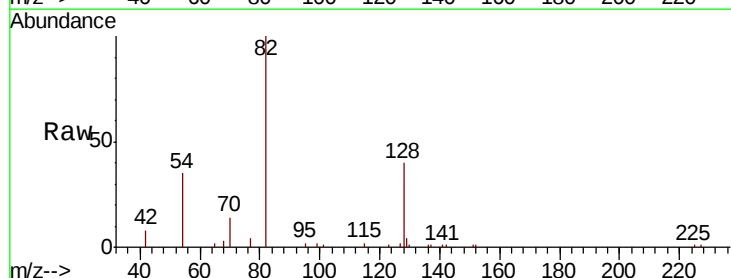
RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

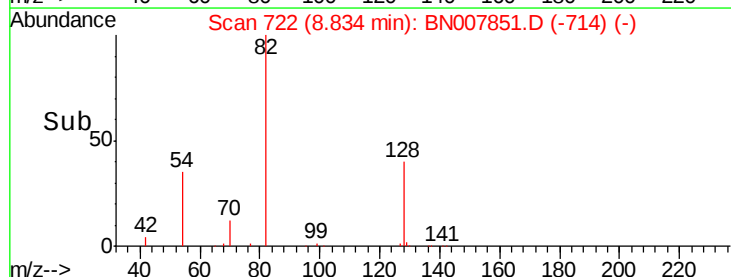
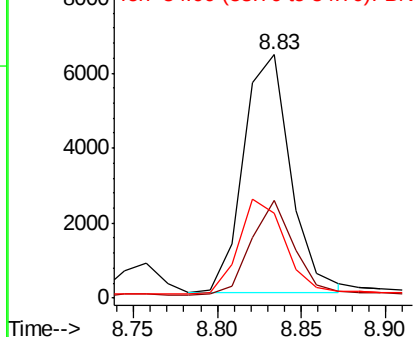
Lab File: BN007851.D

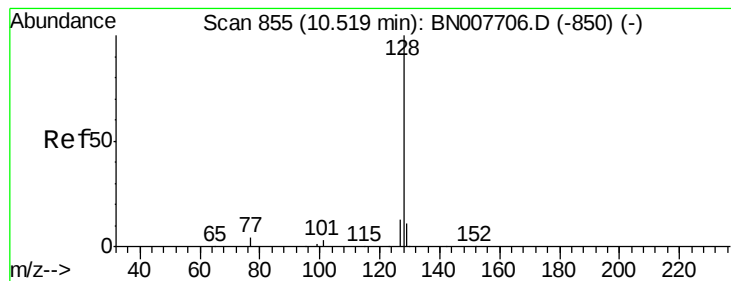
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 12281 |       |       |
| 128     | 40.4  |       | 24.5  | 36.7# |
| 54      | 35.1  |       | 35.2  | 52.8# |



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: 0.428 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

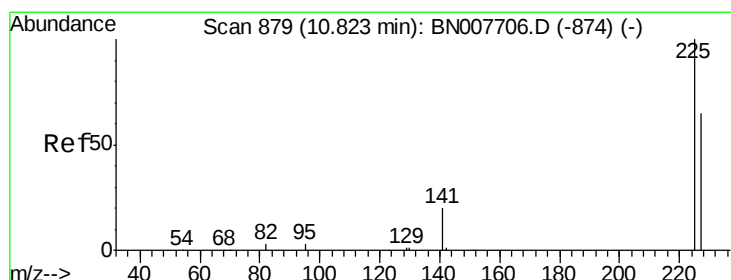
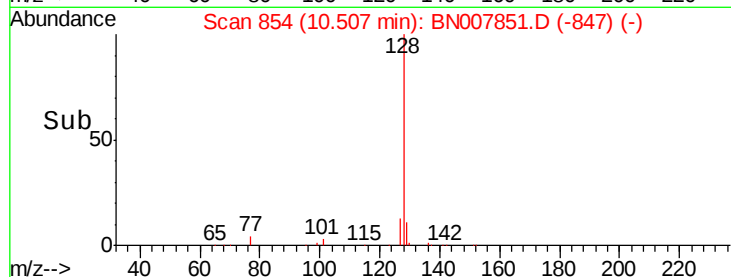
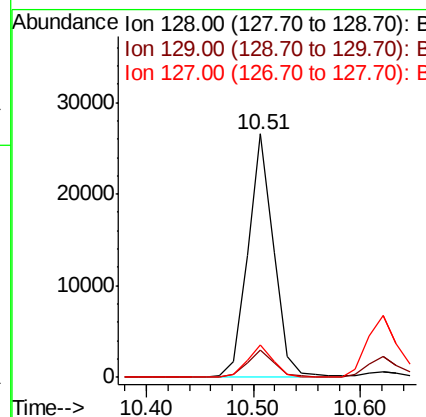
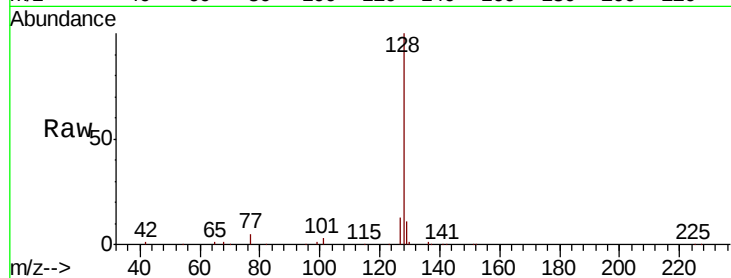
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 44032 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.1  | 9.1   | 13.7  |
| 127       | 13.5  | 10.6  | 15.8  |

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#10

Hexachlorobutadiene

Concen: 0.426 ng

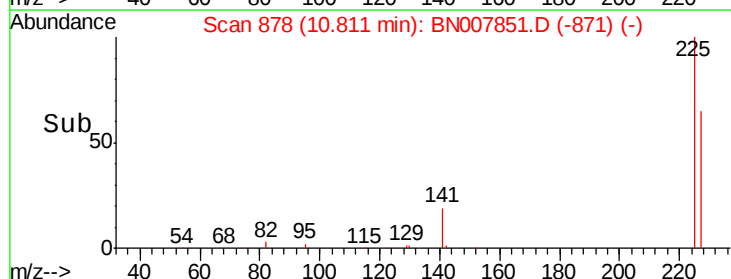
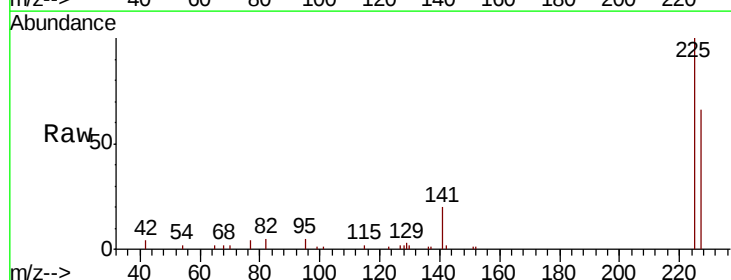
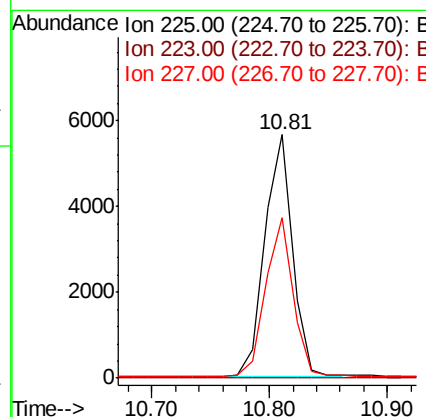
RT: 10.81 min Scan# 878

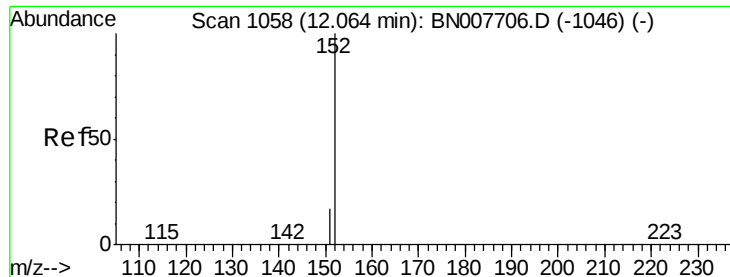
Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 9231 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 64.5  | 51.2  | 76.8 |





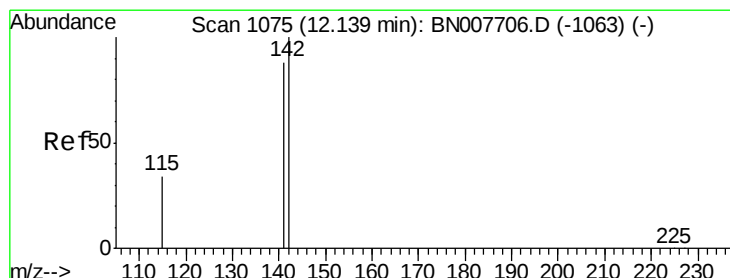
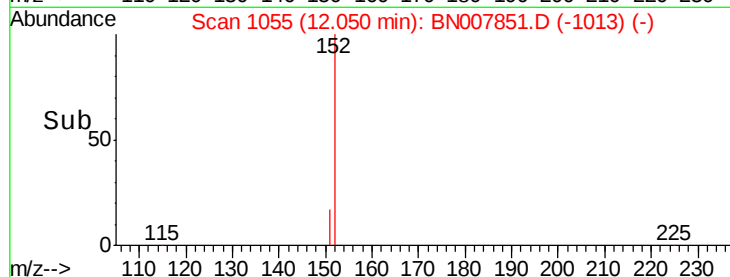
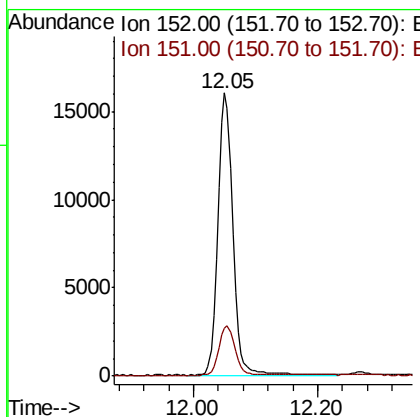
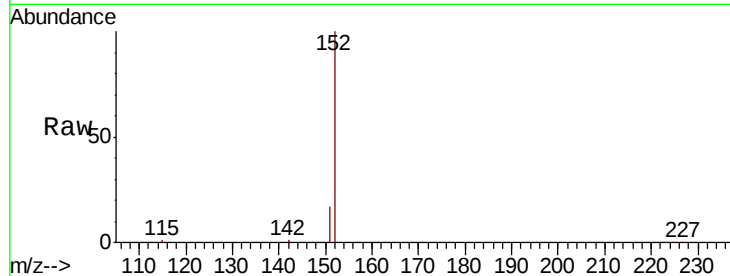
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.433 ng  
 RT: 12.05 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 15.4  | 23.2  |

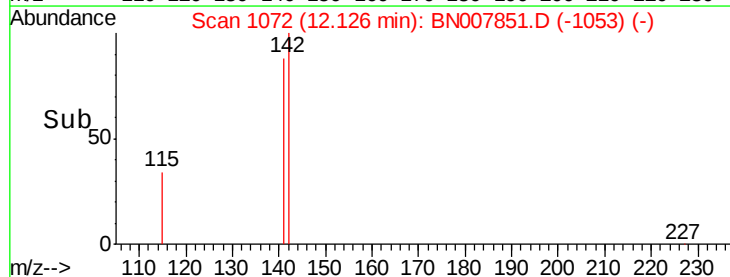
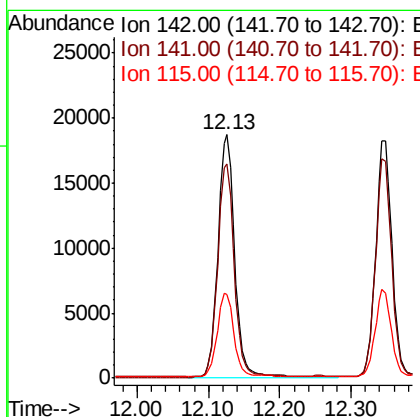
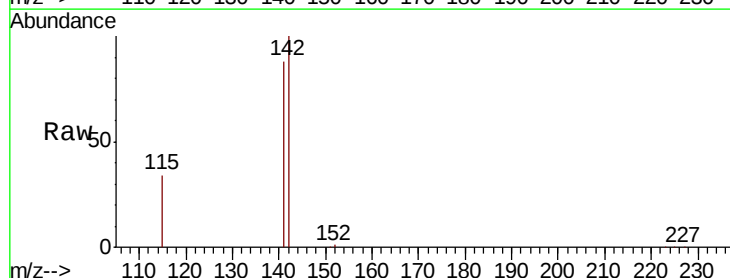
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#12  
 2-Methylnaphthalene  
 Concen: 0.439 ng  
 RT: 12.13 min Scan# 1072  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 70.6  | 106.0 |
| 115     | 34.4  | 28.3  | 42.5  |





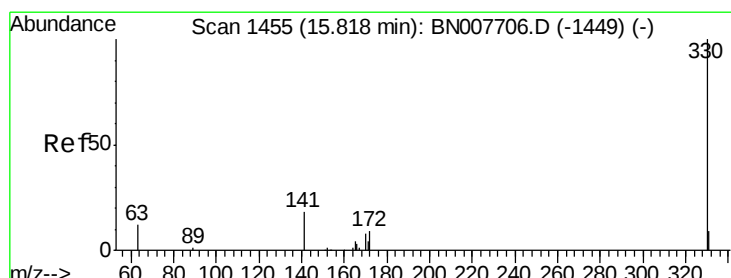
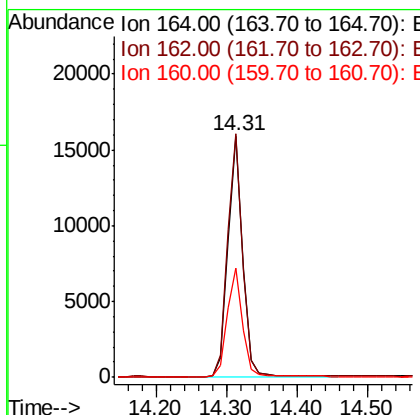
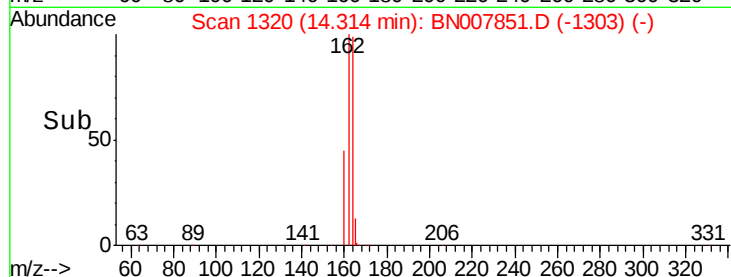
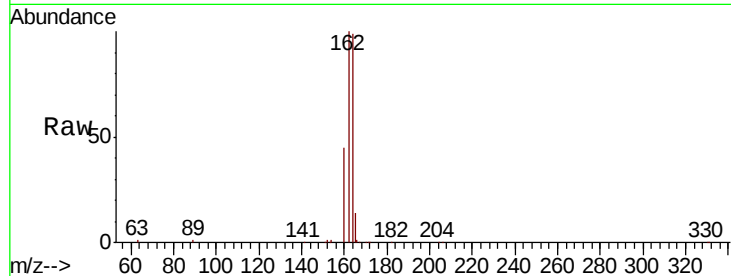
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.0 | 81.7  | 122.5 |
| 160     | 45.3  | 37.0  | 55.4  |

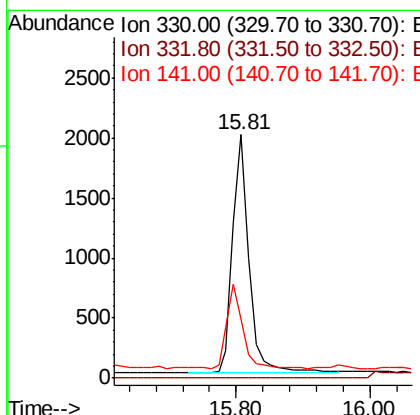
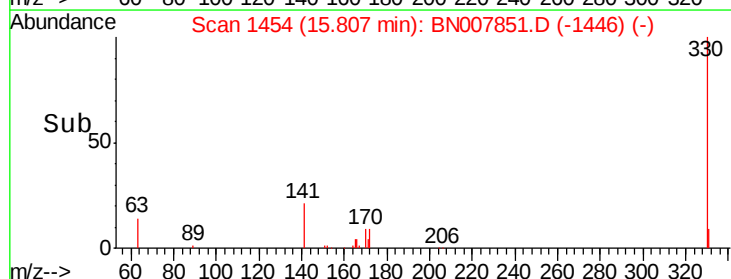
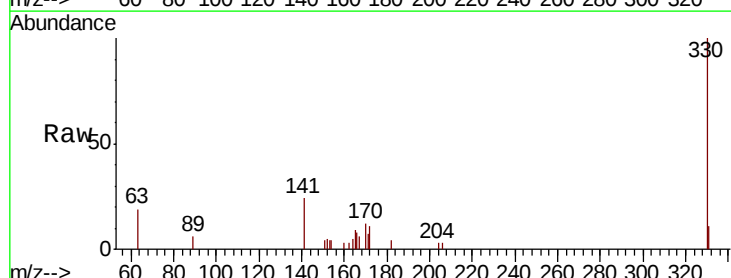
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#14  
2,4,6-Tribromophenol  
Concen: 0.261 ng  
RT: 15.81 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 34.0  | 28.7  | 43.1  |





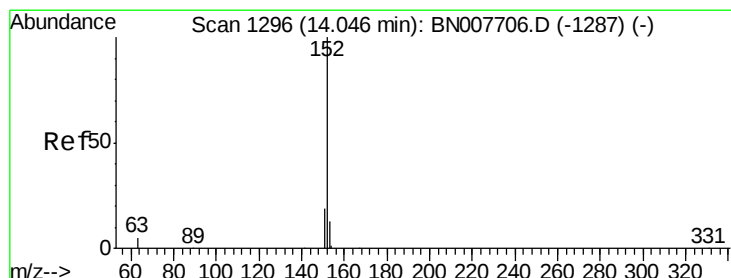
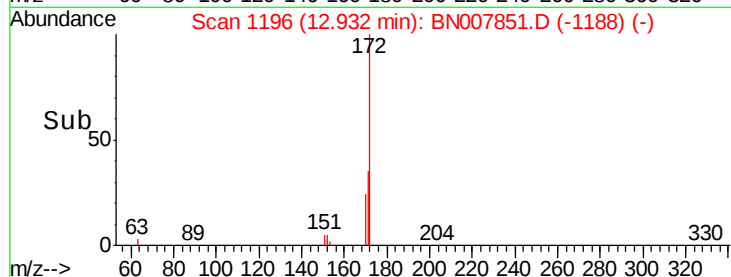
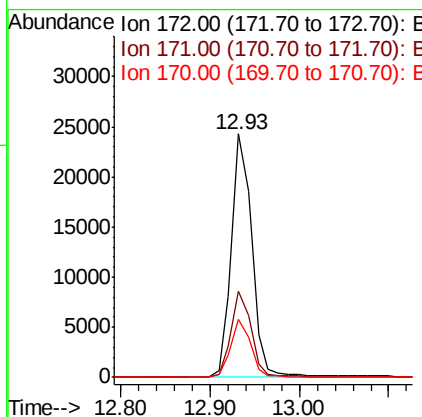
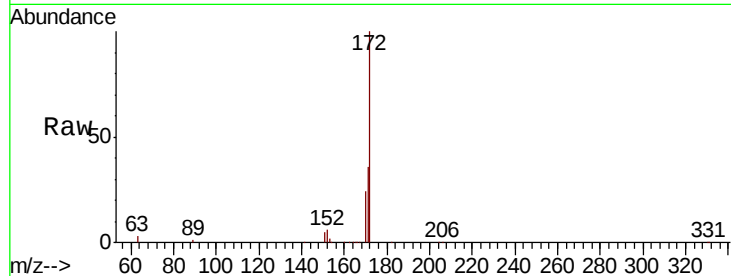
#15  
2-Fluorobiphenyl  
Concen: 0.400 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.8  | 43.2  |
| 170     | 23.8  | 19.5  | 29.3  |

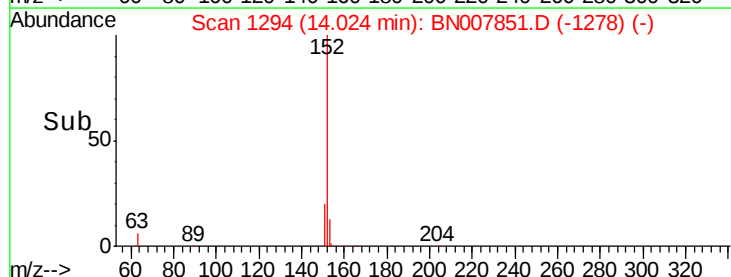
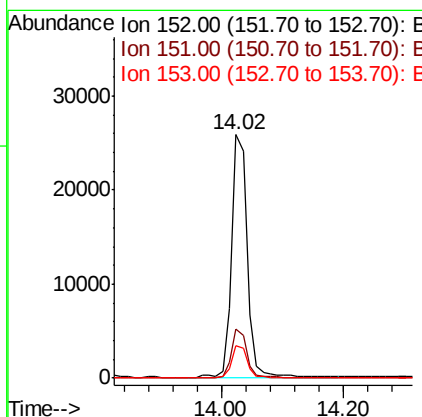
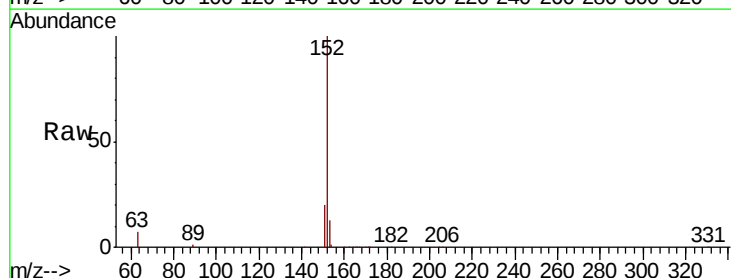
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#16  
Acenaphthylene  
Concen: 0.369 ng  
RT: 14.02 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 15.5  | 23.3  |
| 153     | 13.1  | 10.4  | 15.6  |





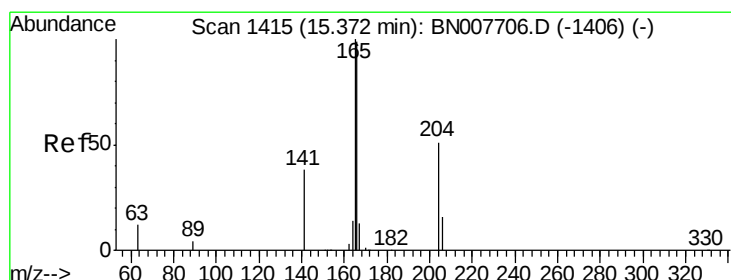
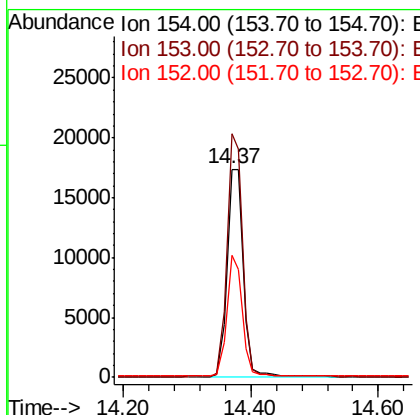
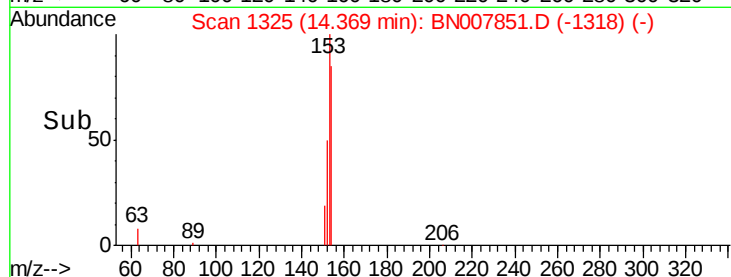
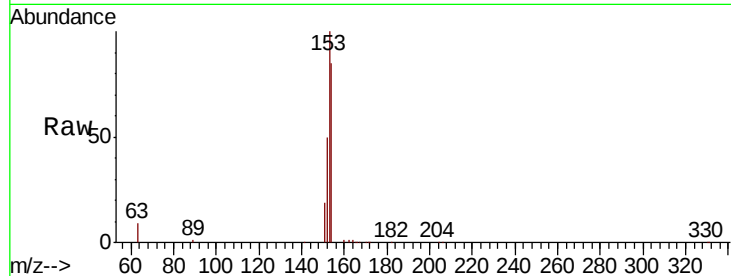
#17  
Acenaphthene  
Concen: 0.378 ng  
RT: 14.37 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.6 | 87.0  | 130.4 |
| 152     | 55.5  | 42.7  | 64.1  |

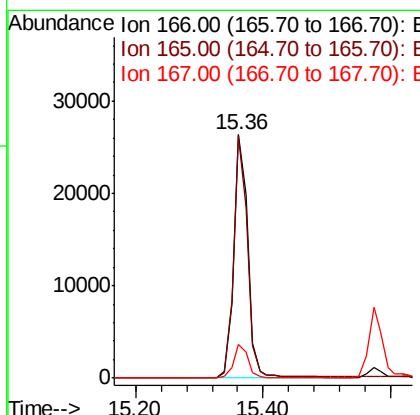
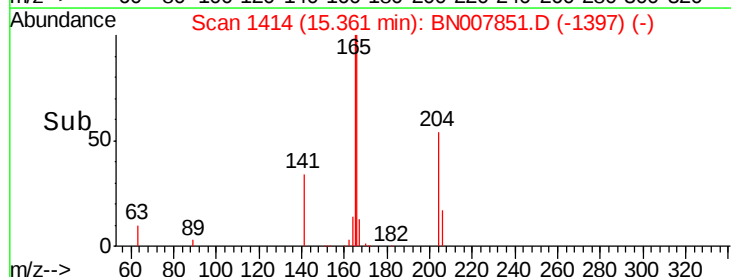
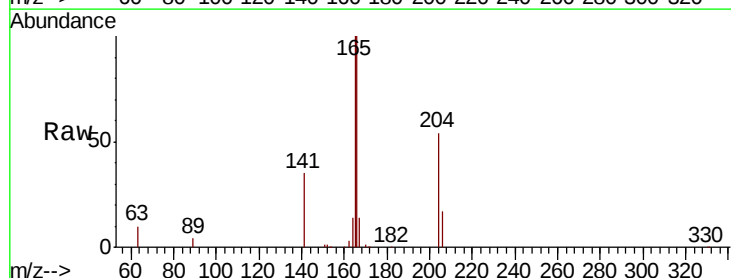
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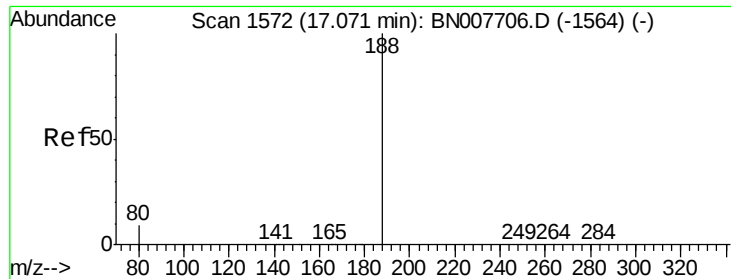
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#18  
Fluorene  
Concen: 0.392 ng  
RT: 15.36 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.5  | 78.0  | 117.0 |
| 167     | 13.6  | 10.9  | 16.3  |





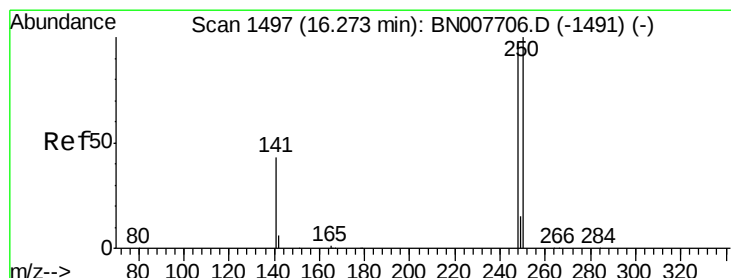
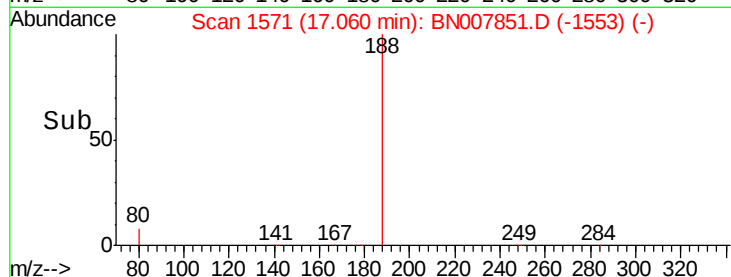
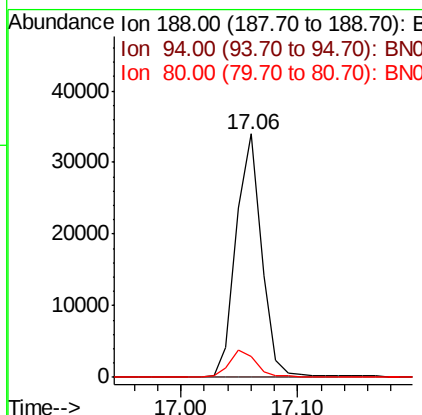
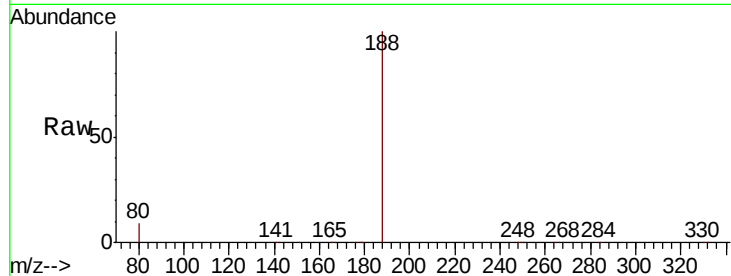
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 50940 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 8.7   | 7.4   | 11.2  |       |

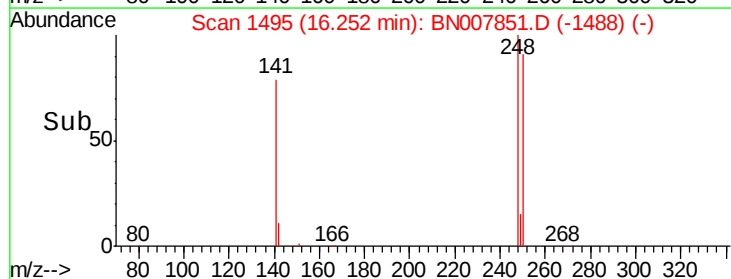
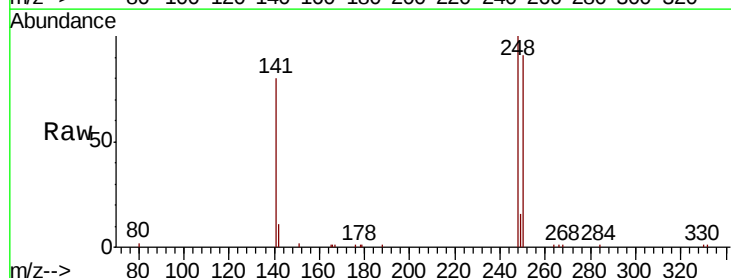
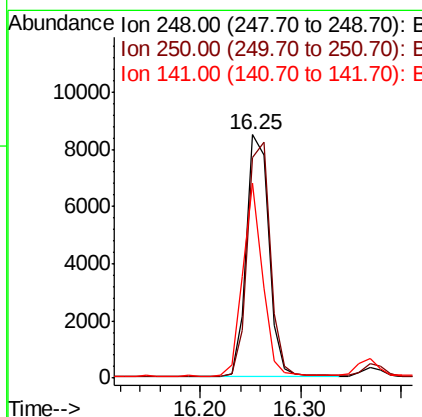
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#20  
4-Bromophenyl-phenylether  
Concen: 0.431 ng  
RT: 16.25 min Scan# 1495  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 13327 |       |       |
| 250     | 90.8  | 82.2  | 123.4 |       |
| 141     | 80.0  | 36.3  | 54.5  |       |





#21

Hexachlorobenzene

Concen: 0.441 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

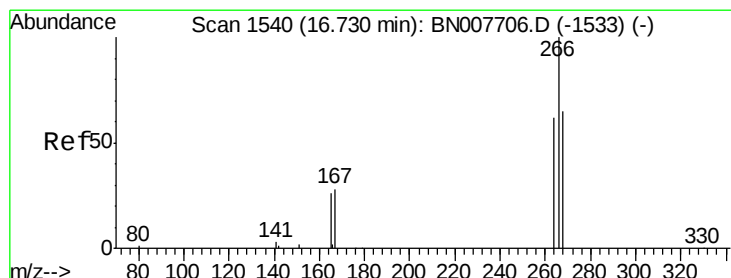
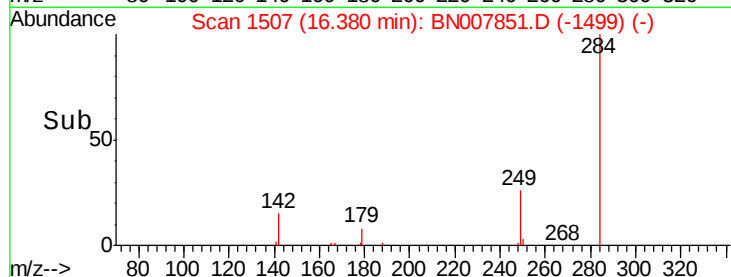
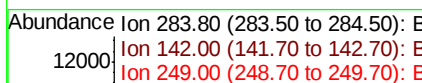
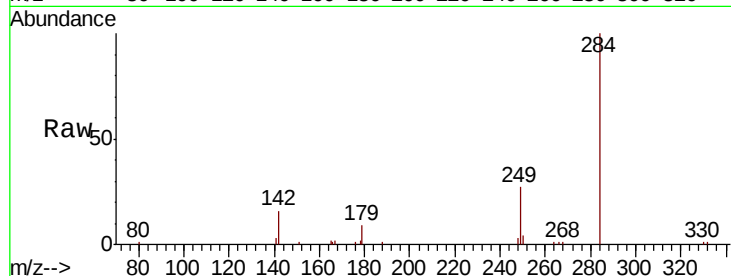
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 14891 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 32.5  | 25.8  | 38.6  |
| 249       | 32.0  | 25.9  | 38.9  |

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#22

Pentachlorophenol

Concen: 0.304 ng

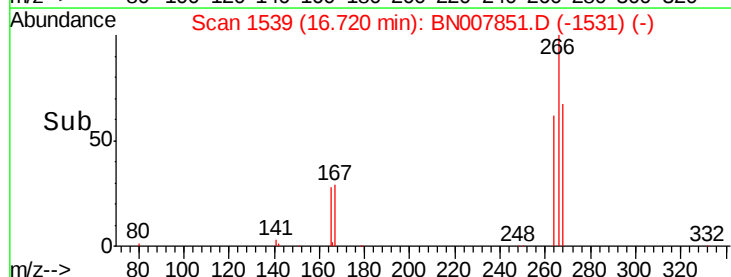
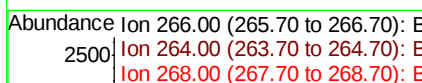
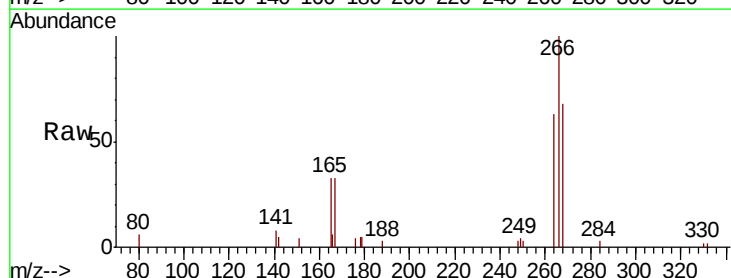
RT: 16.72 min Scan# 1539

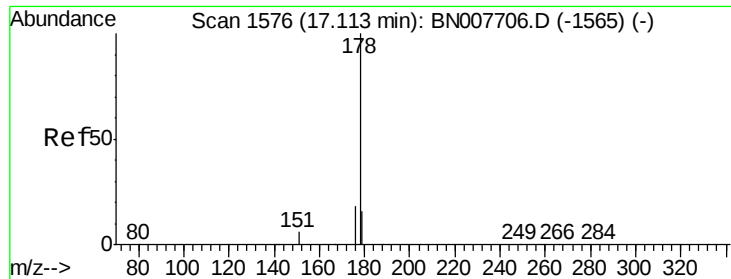
Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 3789 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.5  | 50.0  | 75.0 |
| 268       | 68.2  | 54.2  | 81.4 |





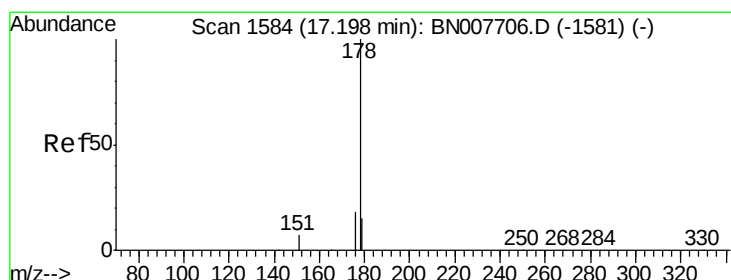
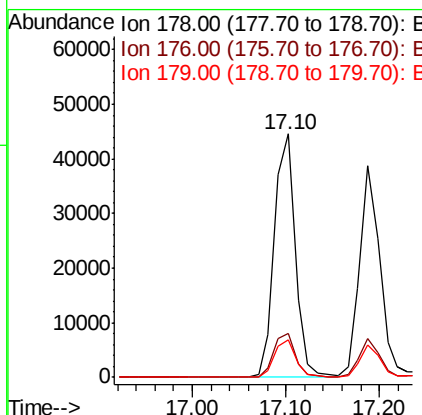
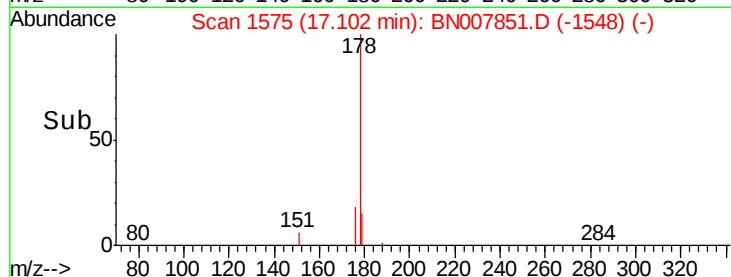
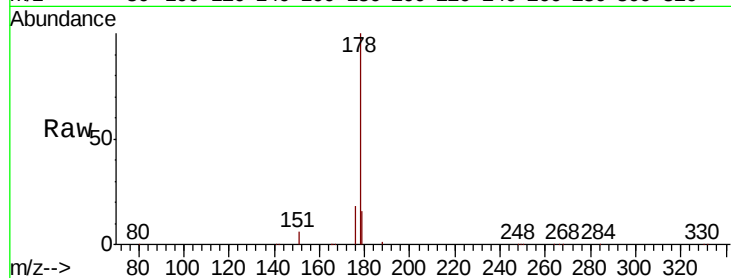
#23  
Phenanthrene  
Concen: 0.431 ng  
RT: 17.10 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 14.9  | 22.3  |
| 179     | 15.4  | 12.5  | 18.7  |

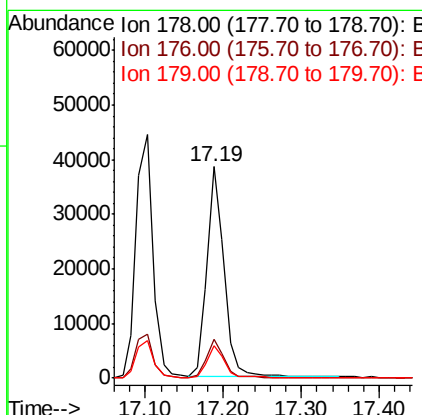
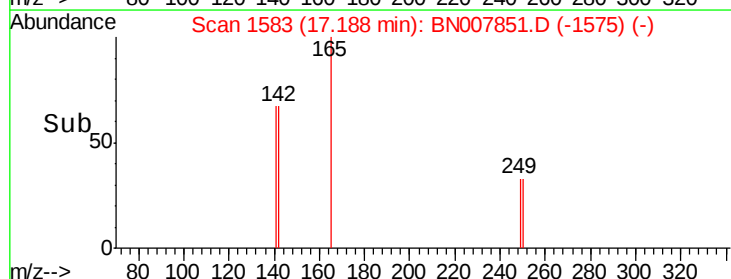
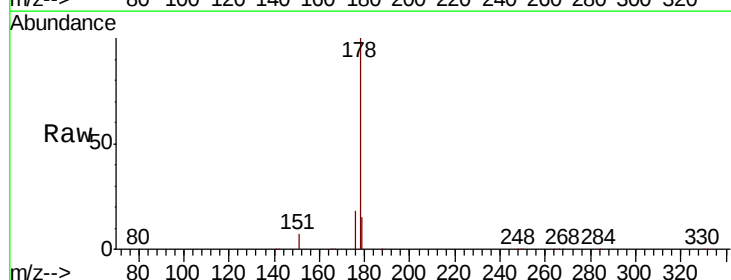
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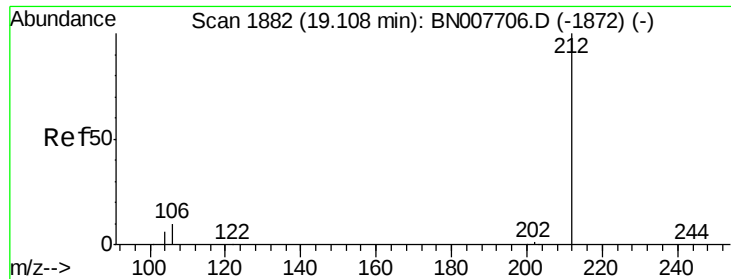
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#24  
Anthracene  
Concen: 0.410 ng  
RT: 17.19 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.2  | 14.6  | 21.8  |
| 179     | 15.3  | 12.2  | 18.4  |





#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

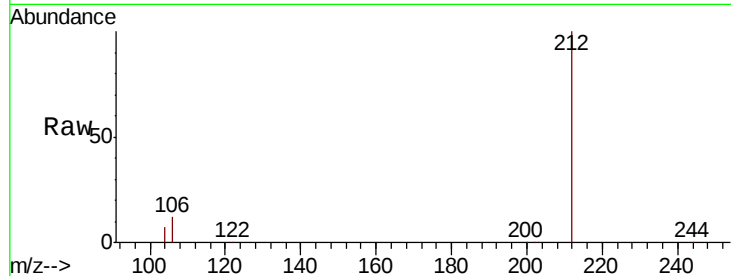
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 67445 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 11.7  | 9.4   | 14.0  |
| 104       | 6.6   | 5.3   | 7.9   |

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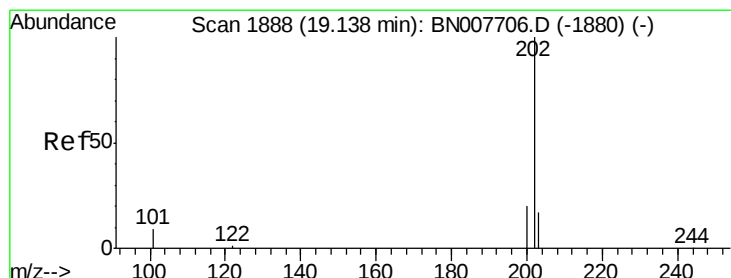
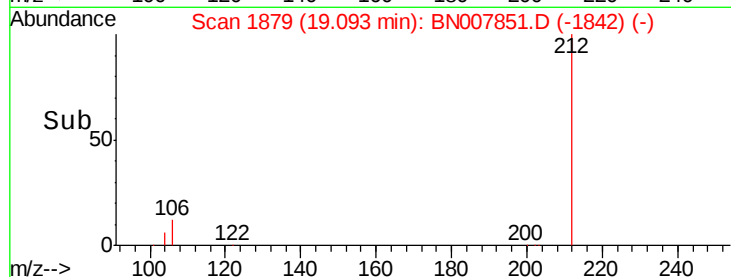
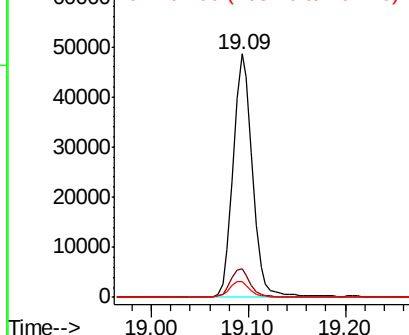


Abundance

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: 0.402 ng

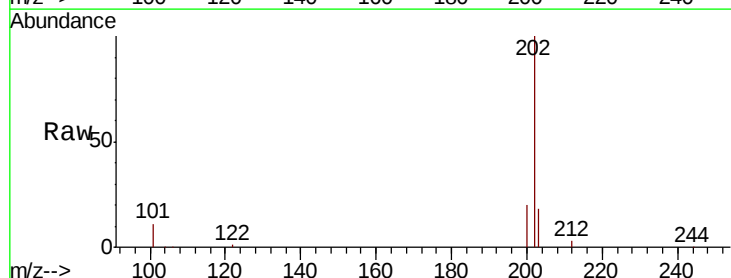
RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 79224 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.8  | 8.4   | 12.6  |
| 203       | 17.4  | 13.8  | 20.8  |

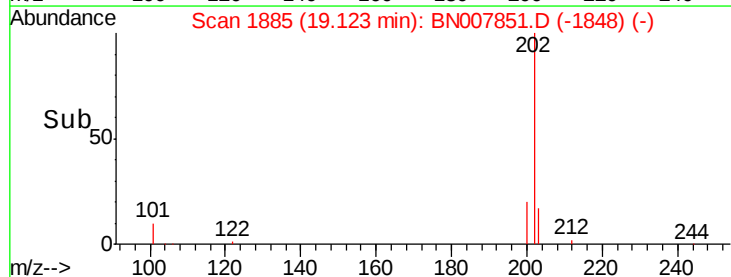
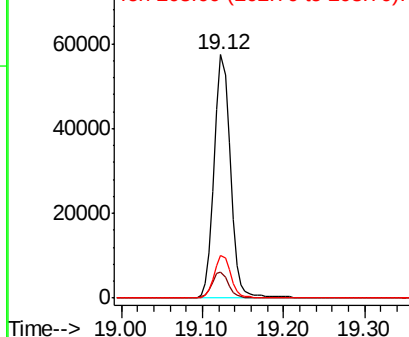


Abundance

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





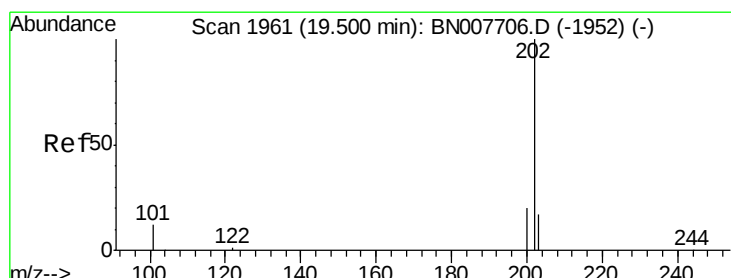
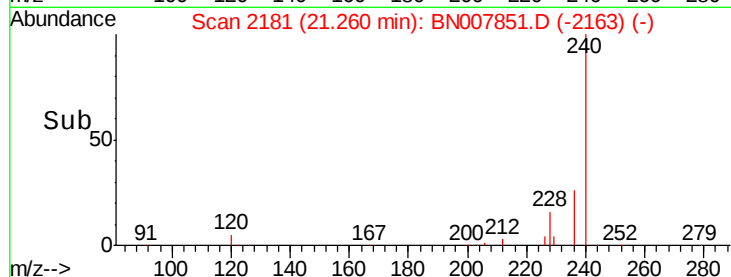
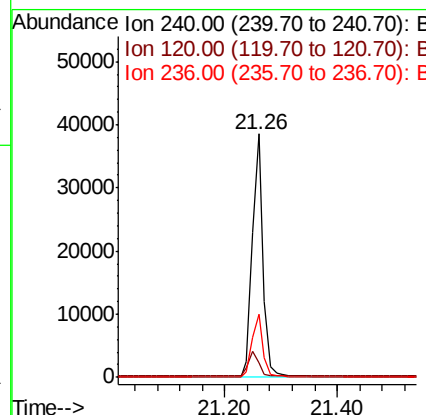
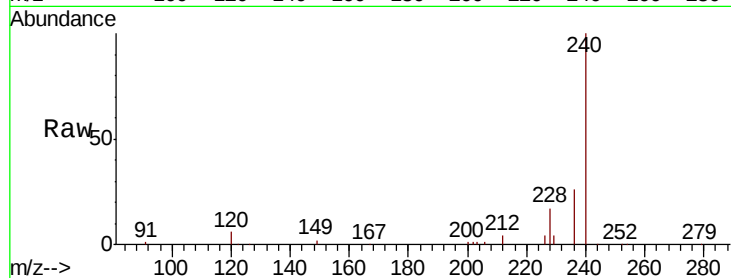
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.26 min Scan# 2181  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.9   | 5.4   | 8.2   |
| 236     | 26.0  | 21.0  | 31.4  |

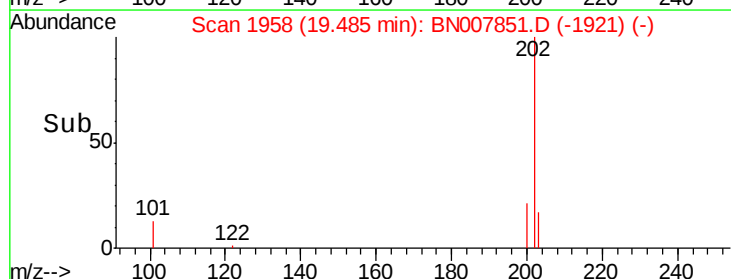
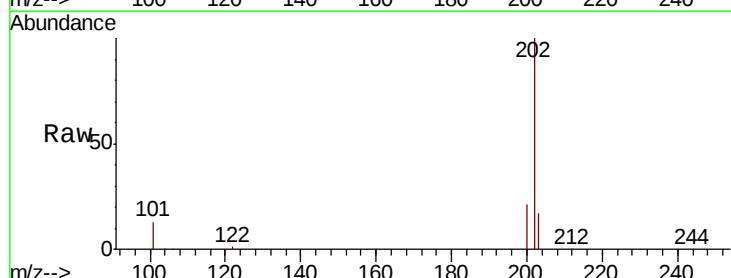
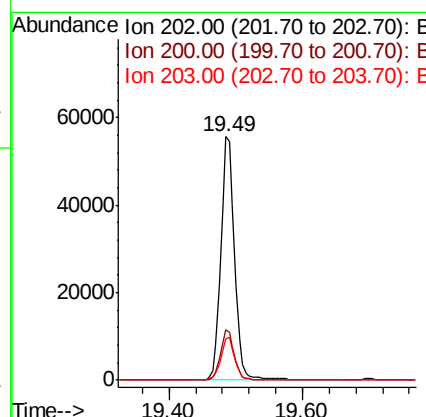
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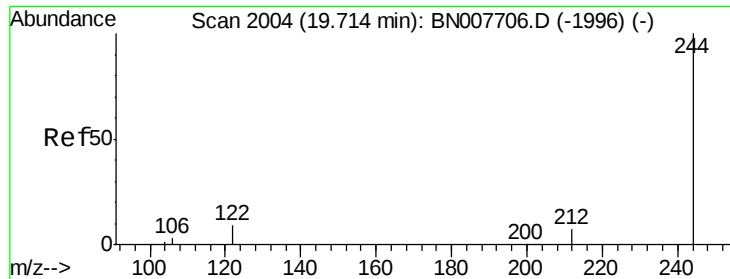
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#28  
Pyrene  
Concen: 0.456 ng  
RT: 19.49 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.4  | 24.6  |
| 203     | 17.5  | 14.1  | 21.1  |





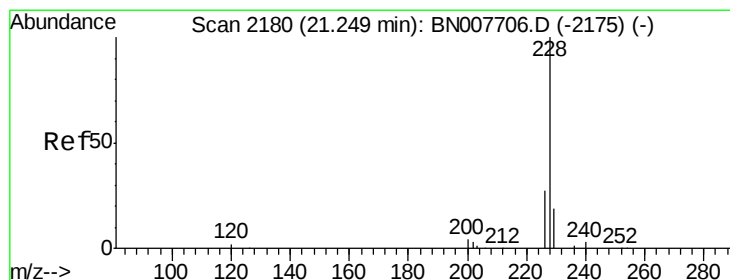
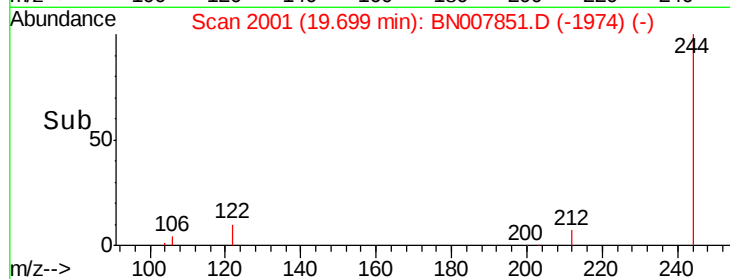
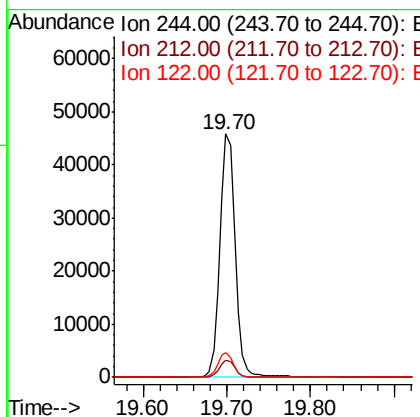
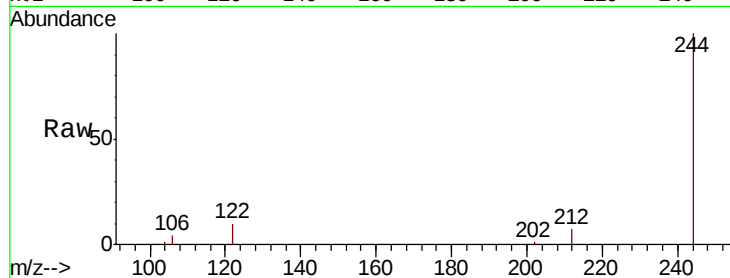
#29  
 Terphenyl-d14  
 Concen: 0.469 ng  
 RT: 19.70 min Scan# 2001  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.9   | 8.9   |
| 122     | 10.2  | 7.4   | 11.2  |

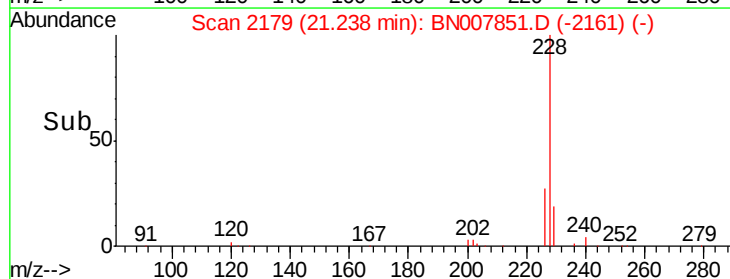
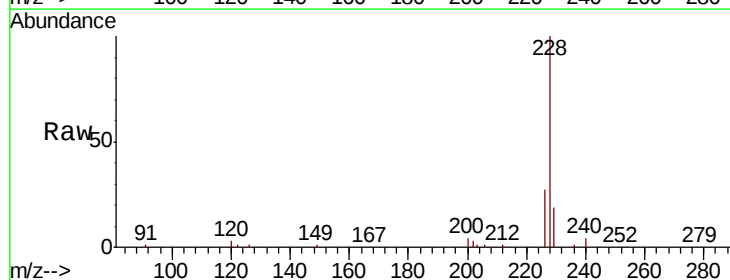
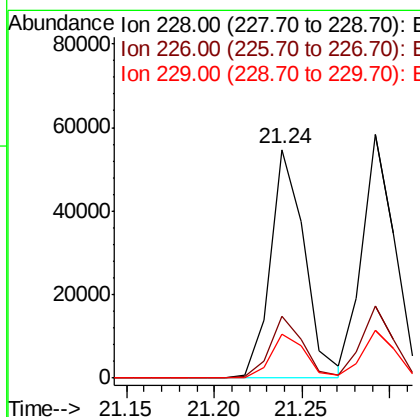
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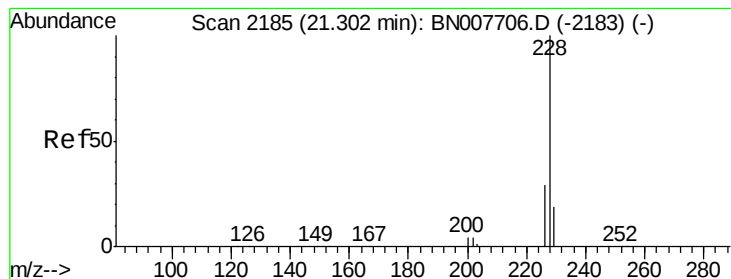
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#30  
 Benzo(a)anthracene  
 Concen: 0.395 ng  
 RT: 21.24 min Scan# 2179  
 Delta R.T. -0.01 min  
 Lab File: BN007851.D  
 Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 22.1  | 33.1  |
| 229     | 19.3  | 15.8  | 23.6  |





#31

Chrysene

Concen: 0.416 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

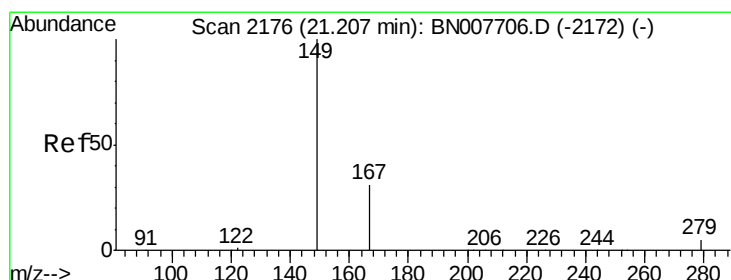
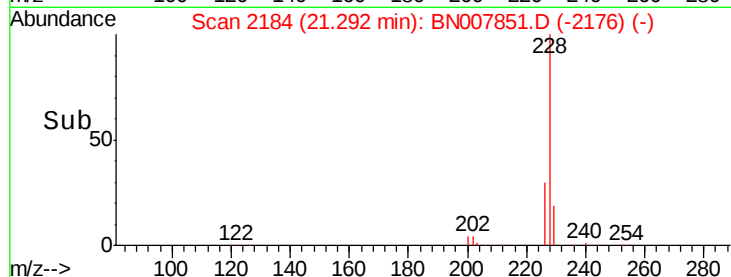
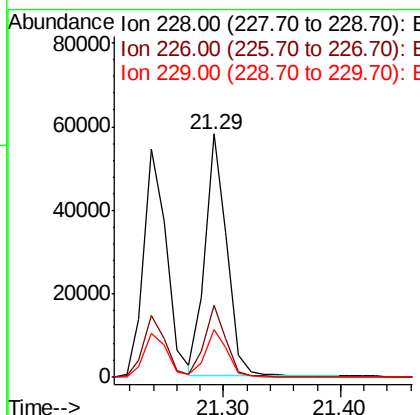
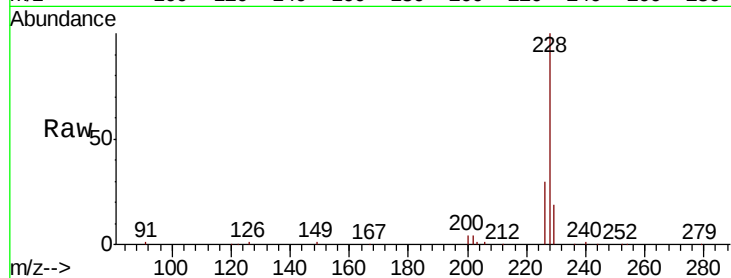
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 75563 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.8  | 23.9  | 35.9  |
| 229       | 19.4  | 15.8  | 23.6  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.297 ng

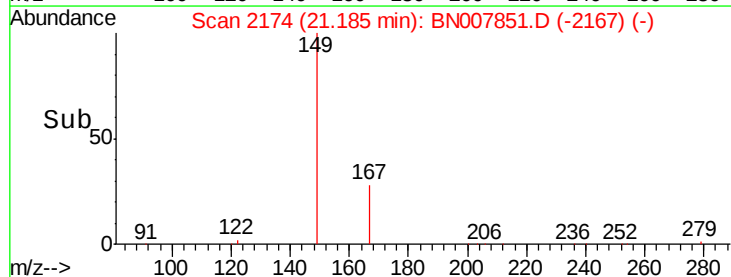
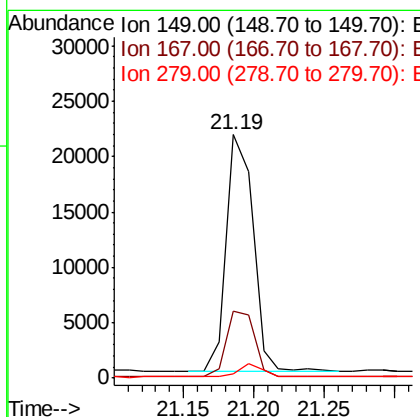
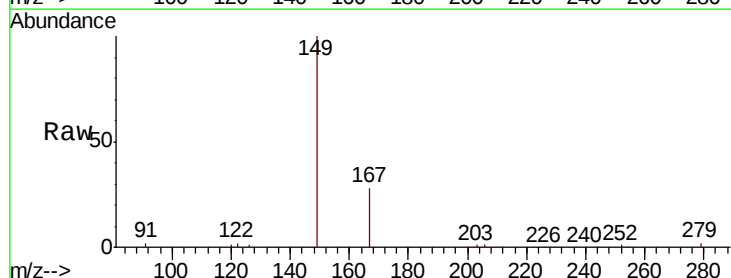
RT: 21.19 min Scan# 2174

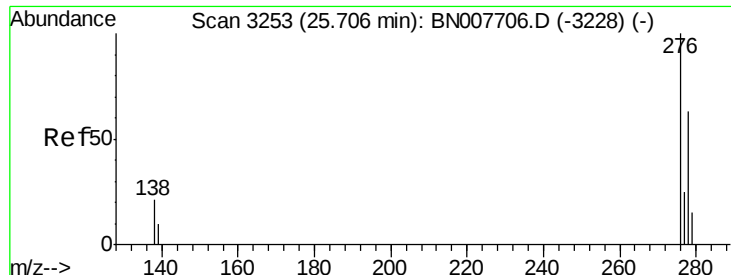
Delta R.T. -0.02 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 28510 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 29.4  | 23.7  | 35.5  |
| 279       | 5.0   | 4.2   | 6.2   |





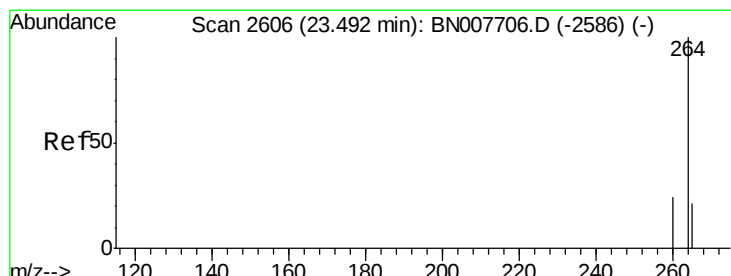
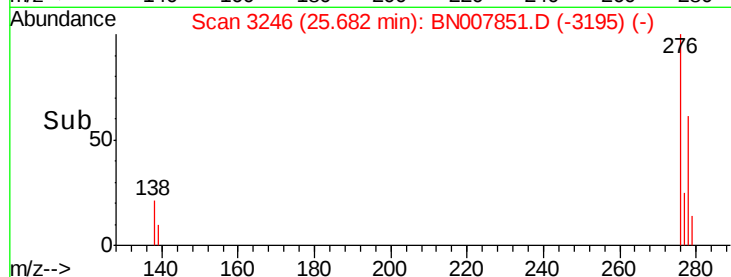
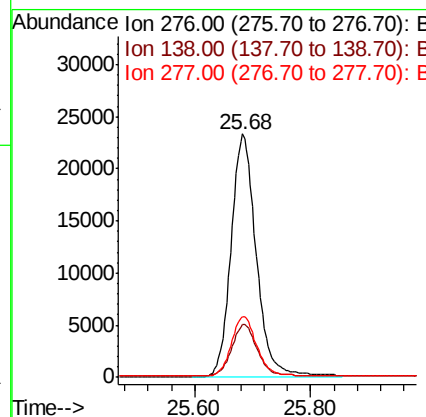
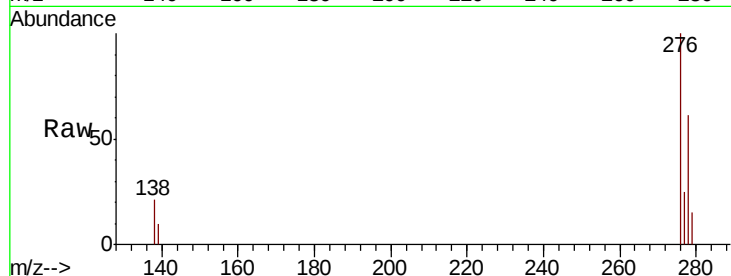
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.307 ng  
RT: 25.68 min Scan# 3246  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.3  | 17.1  | 25.7  |
| 277     | 25.2  | 20.0  | 30.0  |

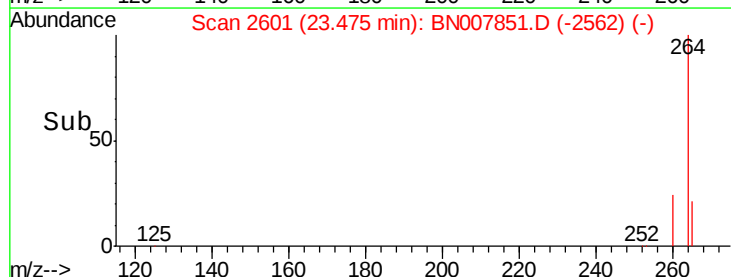
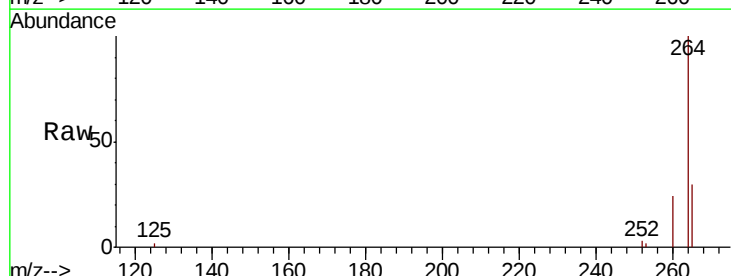
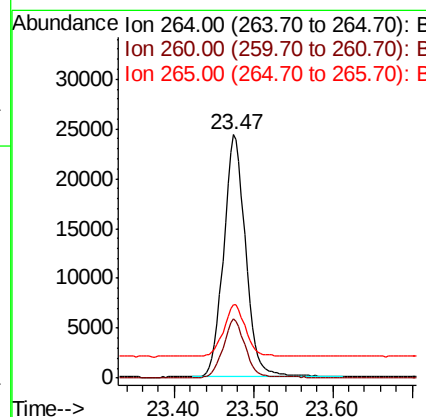
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.47 min Scan# 2601  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.3  | 28.9  |
| 265     | 30.0  | 26.9  | 40.3  |





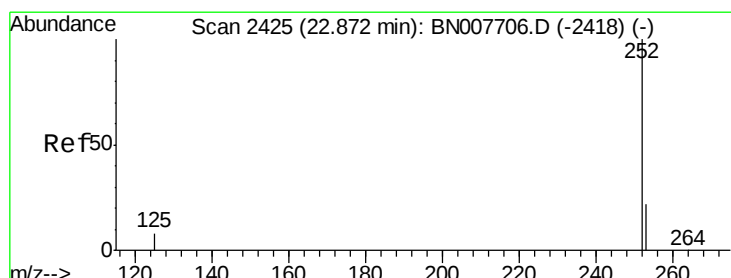
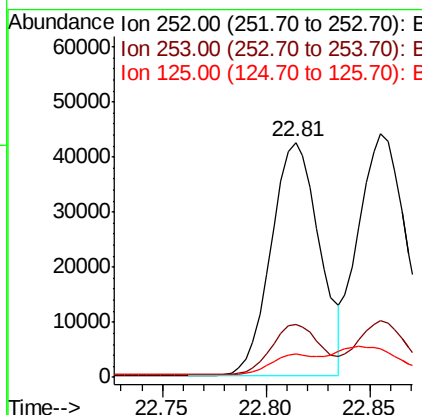
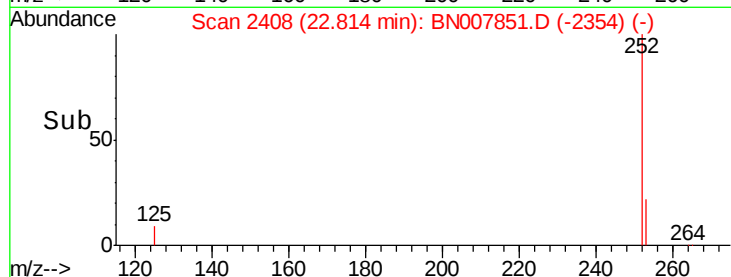
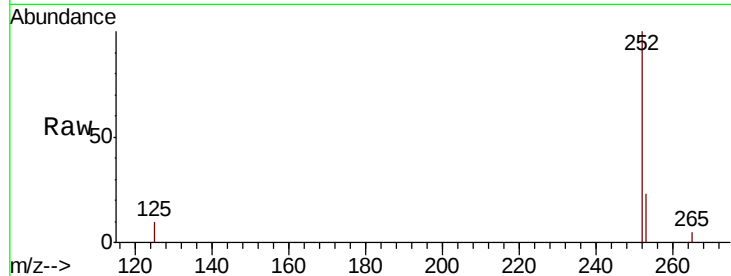
#35  
Benzo(b)fluoranthene  
Concen: 0.419 ng  
RT: 22.81 min Scan# 2408  
Delta R.T. -0.01 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.3  | 27.5  |
| 125     | 9.9   | 8.2   | 12.4  |

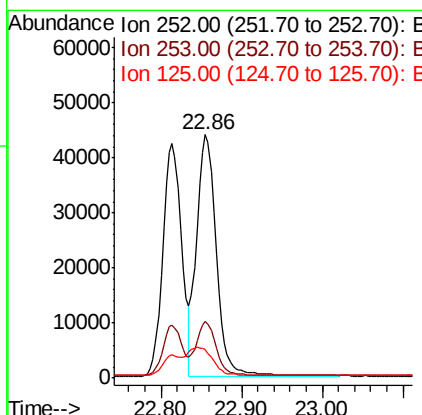
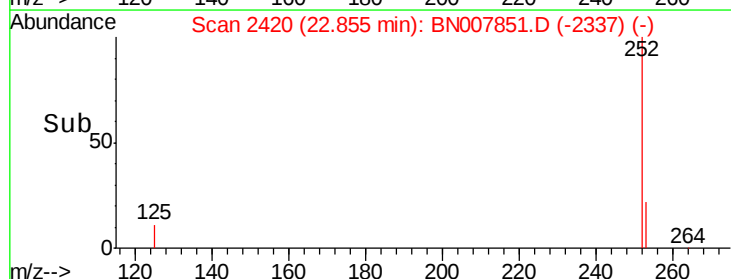
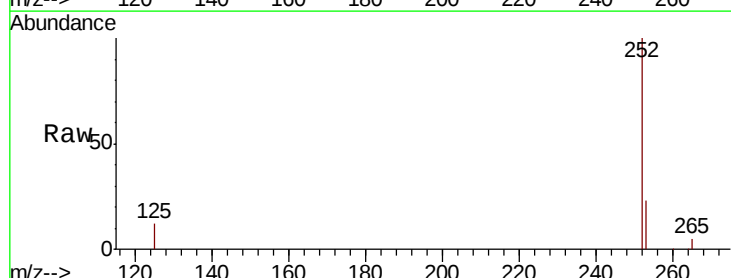
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#36  
Benzo(k)fluoranthene  
Concen: 0.461 ng  
RT: 22.86 min Scan# 2420  
Delta R.T. -0.02 min  
Lab File: BN007851.D  
Acq: 25 Sep 2019 13:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.5  | 27.7  |
| 125     | 11.5  | 8.4   | 12.6  |





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.38 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

Instrument :

BNA\_N

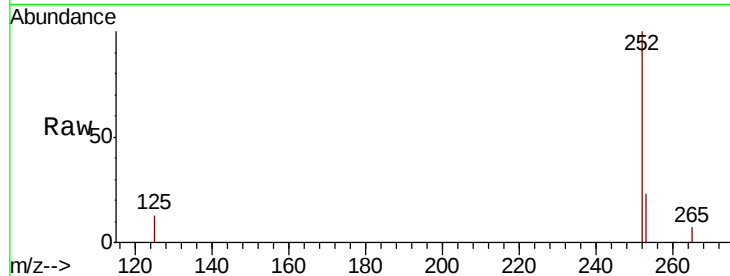
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 62336 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.9  | 18.6  | 27.8  |
| 125       | 12.8  | 9.4   | 14.0  |

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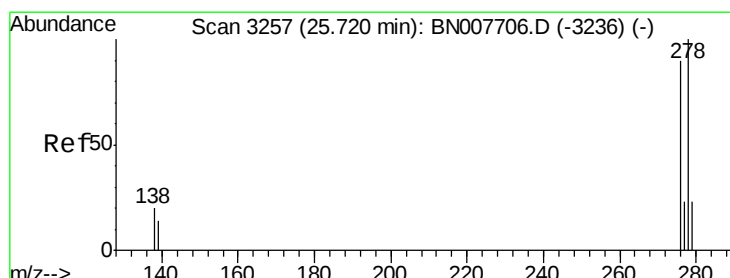
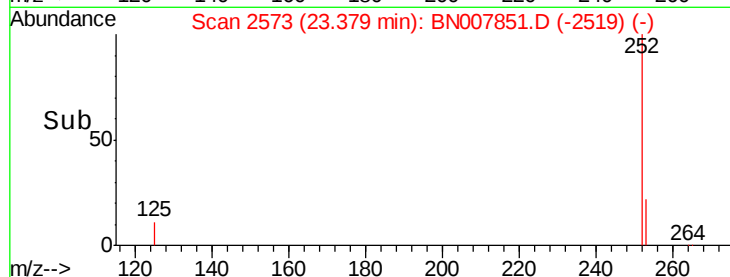
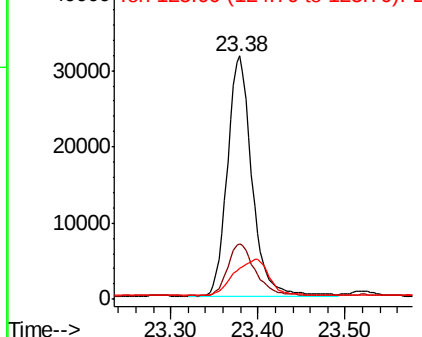


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.361 ng

RT: 25.70 min Scan# 3250

Delta R.T. -0.02 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

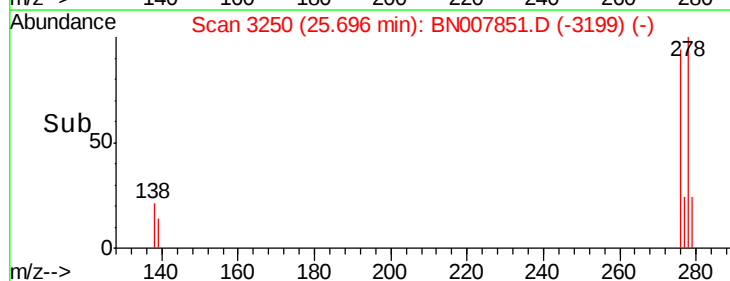
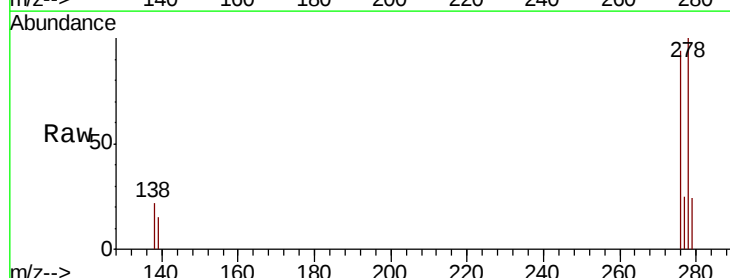
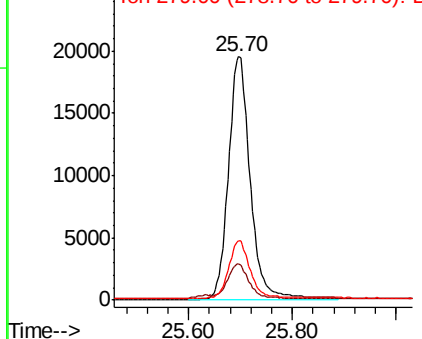
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 56723 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 14.9  | 11.8  | 17.6  |
| 279       | 24.4  | 19.4  | 29.2  |

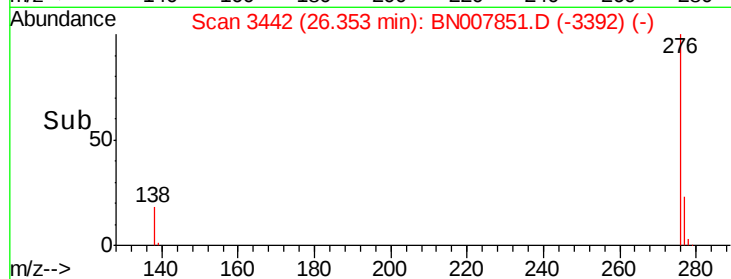
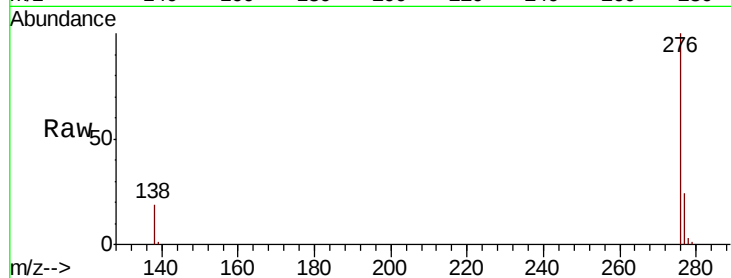
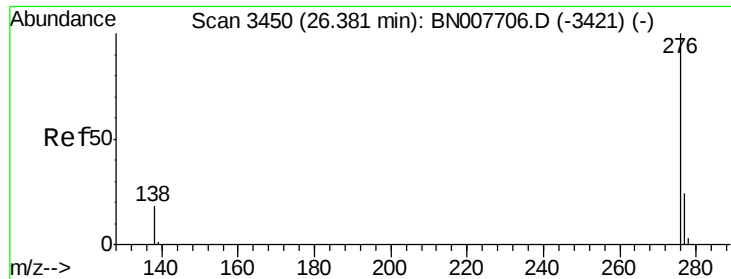
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.357 ng

RT: 26.35 min Scan# 3442

Delta R.T. -0.03 min

Lab File: BN007851.D

Acq: 25 Sep 2019 13:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 55591 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.0  | 19.8  | 29.8  |
| 138       | 18.8  | 15.1  | 22.7  |

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

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