

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\  
 Data File : BN006674.D  
 Acq On : 02 Jul 2019 00:33  
 Operator : HP/JU  
 Sample : K3505-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-009-SW144-062019

Manual Integrations  
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 7/2/2019 2:52:49 PM

Quant Time: Jul 02 05:56:20 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 13:47:56 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 4396     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.39 | 136  | 17885    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.27 | 164  | 9796     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.03 | 188  | 20677    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.25 | 240  | 18781    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.48 | 264  | 22213    | 0.40 | ng    | -0.05    |

#### System Monitoring Compounds

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol           | 5.24  | 112 | 2255 | 0.21 | ng | 0.00  |
| 5) Phenol-d6                | 6.82  | 99  | 2954 | 0.21 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.79  | 82  | 1991 | 0.17 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.99 | 152 | 4843 | 0.17 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.78 | 330 | 1072 | 0.23 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.88 | 172 | 6418 | 0.18 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.07 | 212 | 9504 | 0.16 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.67 | 244 | 7482 | 0.19 | ng | -0.01 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.44 | 128 | 18829  | 0.401 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.07 | 142 | 13614  | 0.419 | ng | 100    |
| 16) Acenaphthylene             | 13.99 | 152 | 107371 | 2.299 | ng | 99     |
| 17) Acenaphthene               | 14.33 | 154 | 6321   | 0.205 | ng | 93     |
| 18) Fluorene                   | 15.32 | 166 | 16383  | 0.422 | ng | # 11   |
| 23) Phenanthrene               | 17.07 | 178 | 274456 | 4.668 | ng | 99     |
| 24) Anthracene                 | 17.16 | 178 | 83113  | 1.629 | ng | 99     |
| 26) Fluoranthene               | 19.10 | 202 | 450046 | 6.299 | ng | 98     |
| 28) Pyrene                     | 19.47 | 202 | 570185 | 8.676 | ng | 97     |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 249954 | 4.071 | ng | 95     |
| 31) Chrysene                   | 21.28 | 228 | 298523 | 4.510 | ng | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 47046  | 1.522 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.71 | 276 | 172484 | 2.574 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.81 | 252 | 323392 | 4.280 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.85 | 252 | 97843m | 1.215 | ng |        |
| 37) Benzo(a)pyrene             | 23.38 | 252 | 245285 | 3.472 | ng | 100    |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278 | 48611  | 0.788 | ng | # 81   |
| 39) Benzo(a,h,i)perylene       | 26.39 | 276 | 190695 | 3.096 | ng | 99     |

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

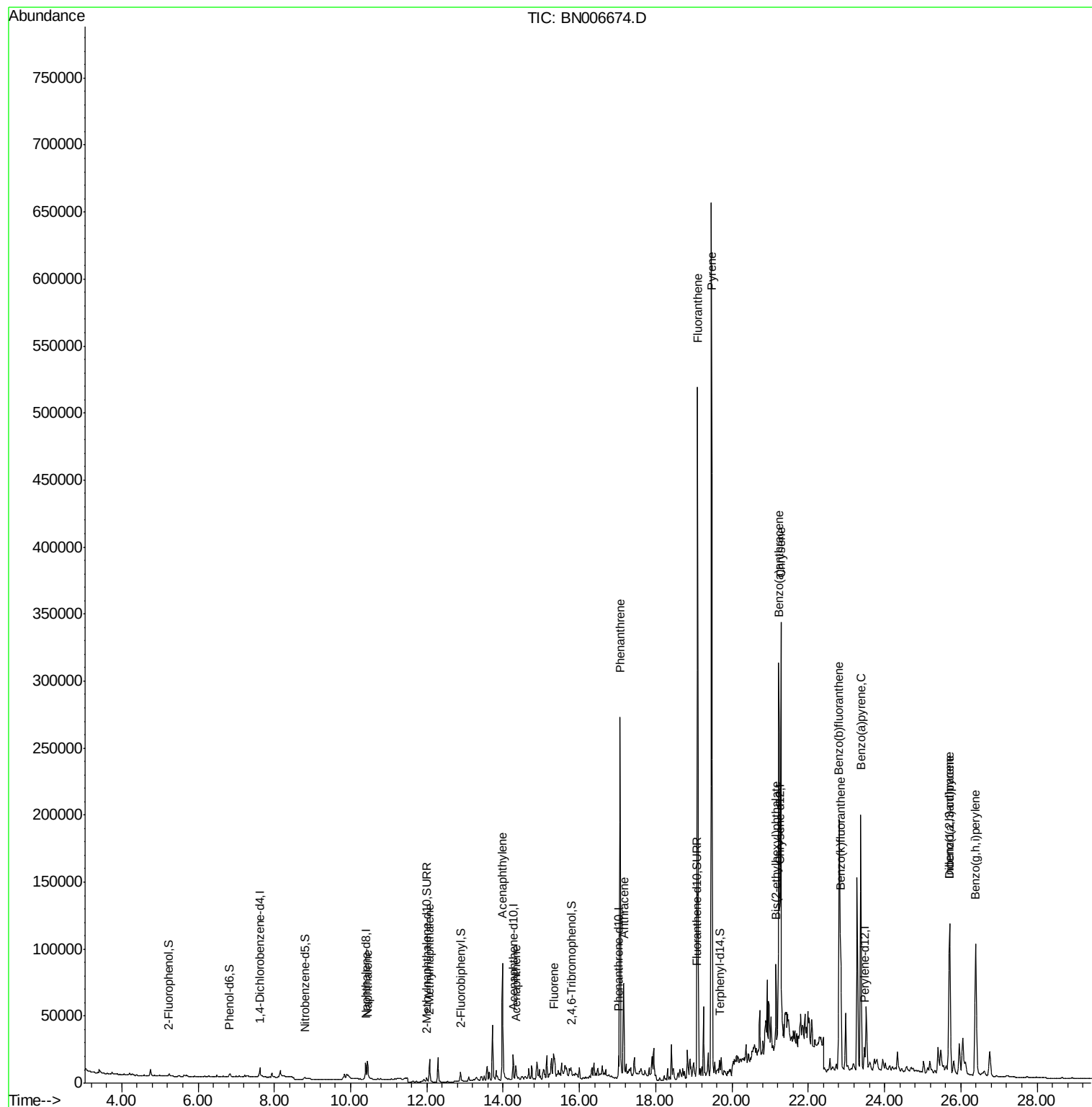
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\  
Data File : BN006674.D  
Acq On : 02 Jul 2019 00:33  
Operator : HP/JU  
Sample : K3505-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

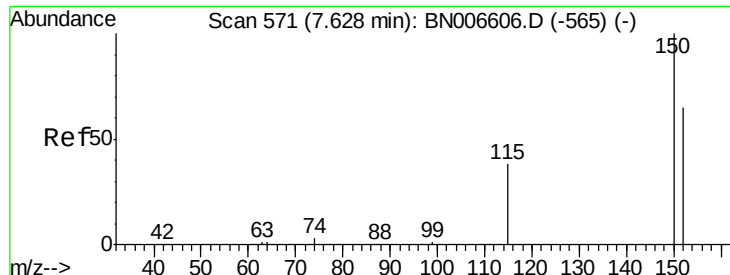
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

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Quant Time: Jul 02 05:56:20 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 13:47:56 2019  
Response via : Initial Calibration





#1

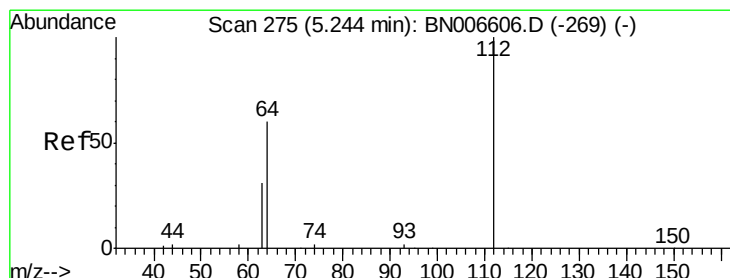
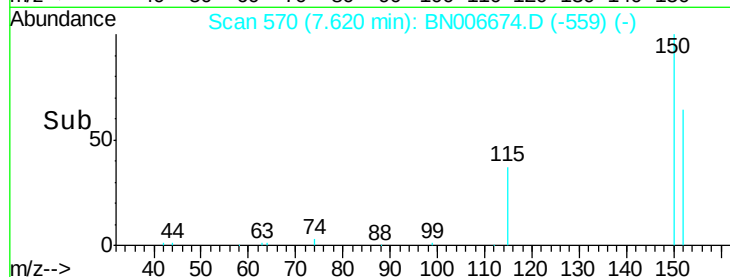
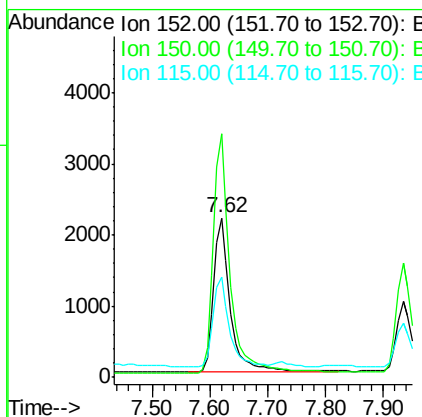
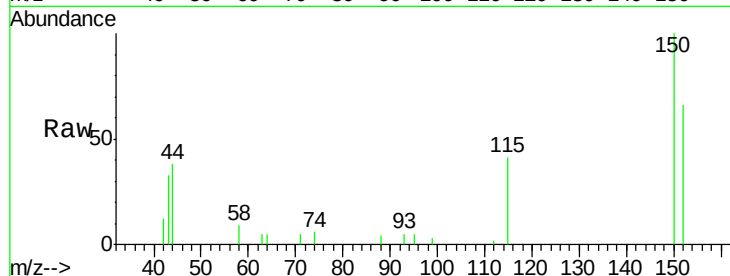
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.7 | 122.2 | 183.2 |
| 115     | 62.7  | 50.0  | 75.0  |

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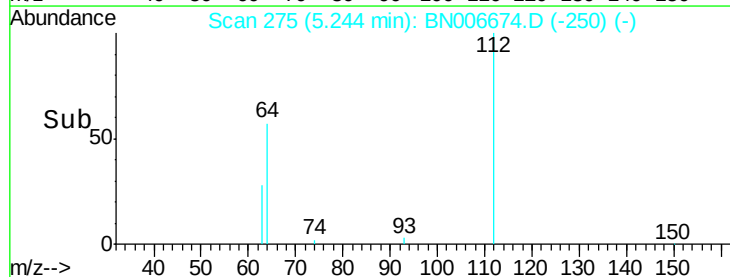
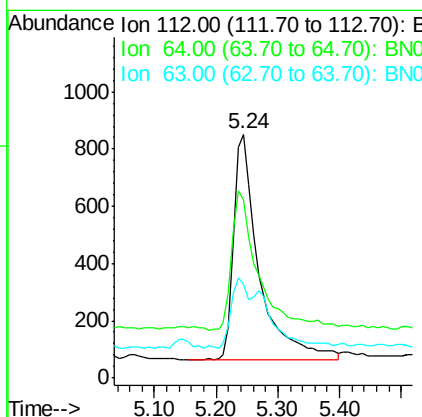
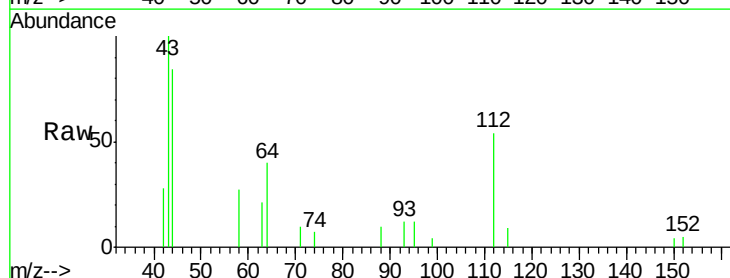
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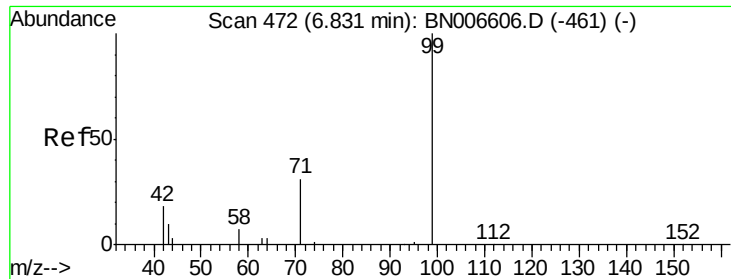


#4

2-Fluorophenol  
Concen: 0.209 ng  
RT: 5.24 min Scan# 275  
Delta R.T. -0.00 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.2  | 48.9  | 73.3  |
| 63      | 42.1  | 24.3  | 36.5  |





#5

Phenol-d6

Concen: 0.207 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

Instrument :

BNA\_N

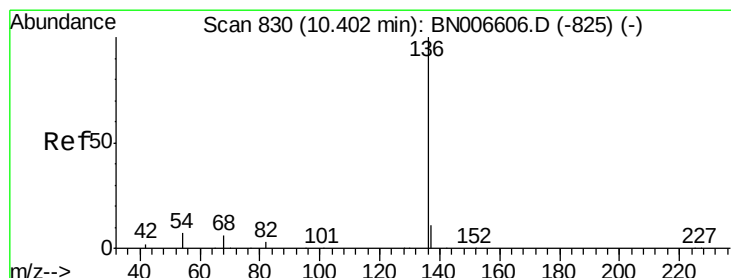
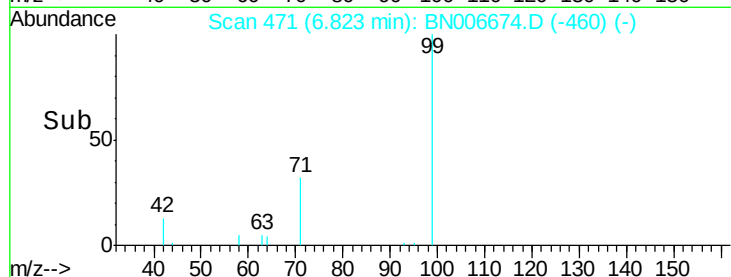
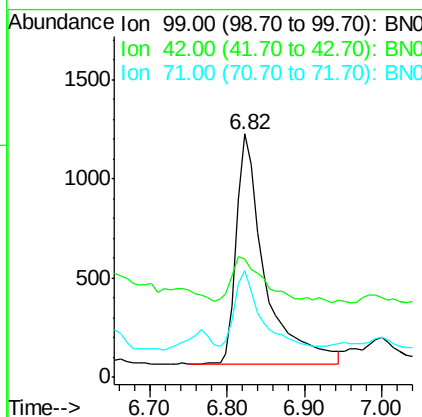
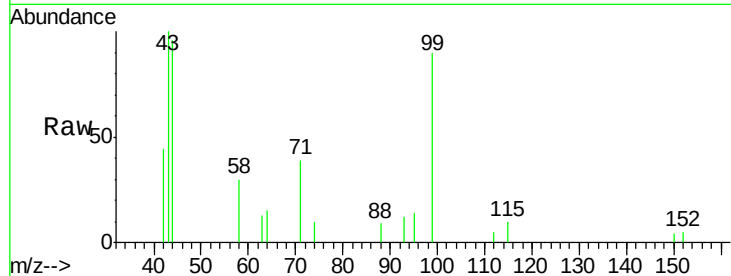
ClientSampleId :

EXT-009-SW144-062019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 2954  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.1  | 16.4  | 24.6  |
| 71       | 28.5  | 26.6  | 40.0  |

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#7

Naphthalene-d8

Concen: 0.400 ng

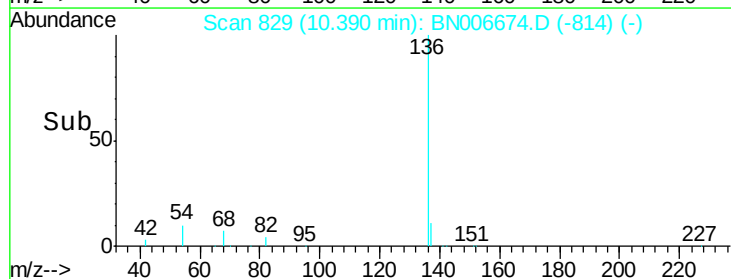
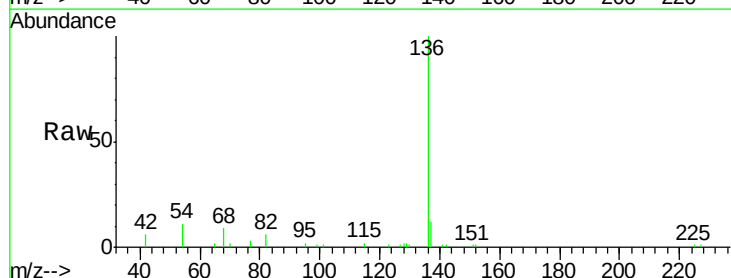
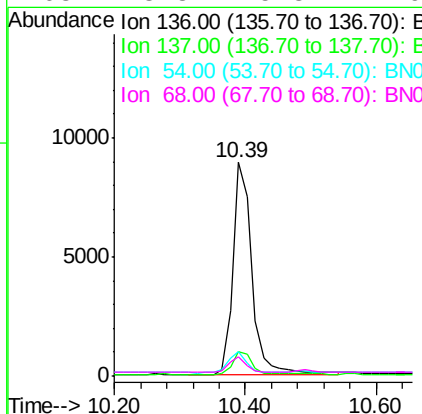
RT: 10.39 min Scan# 829

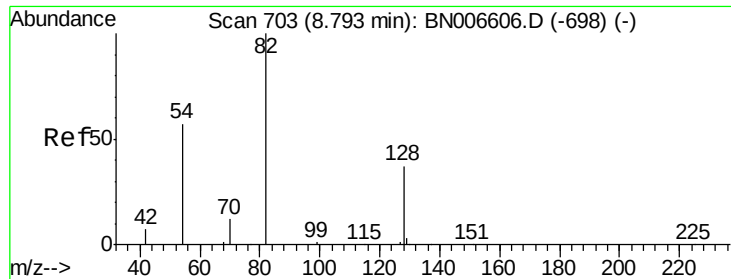
Delta R.T. -0.01 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 17885 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.3   | 13.9  |
| 54       | 11.4  | 6.7   | 10.1# |
| 68       | 8.8   | 5.3   | 7.9#  |





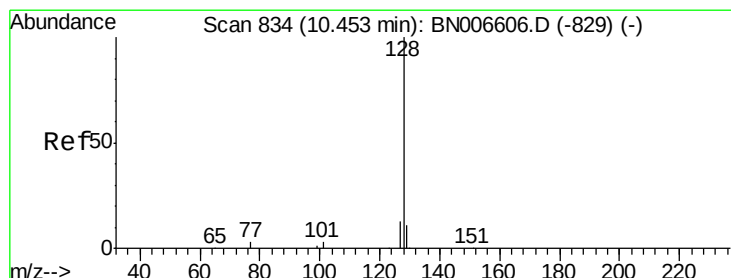
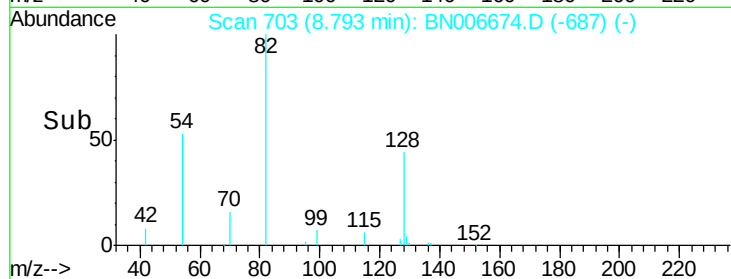
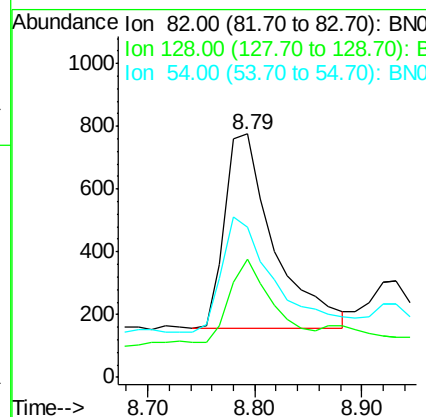
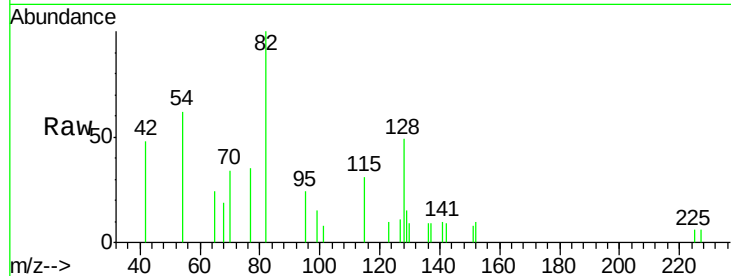
#8  
Nitrobenzene-d5  
Concen: 0.166 ng  
RT: 8.79 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion   | 82    | Resp  | 1991 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 48.6  | 32.6  | 49.0 |
| 54        | 61.9  | 48.2  | 72.4 |

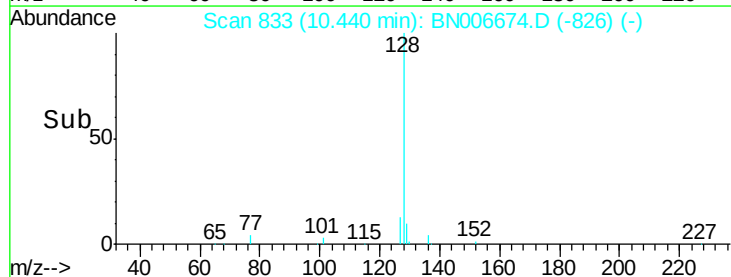
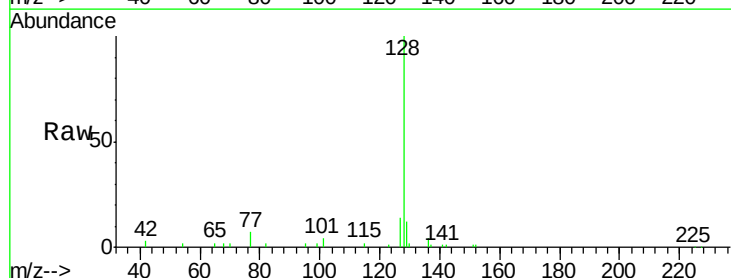
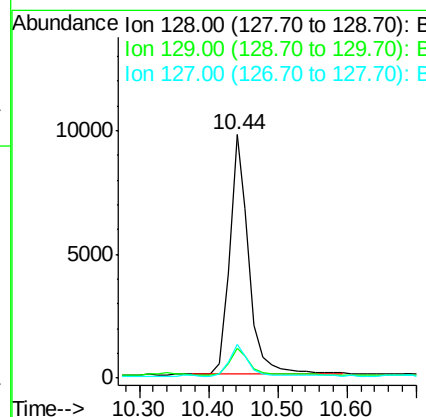
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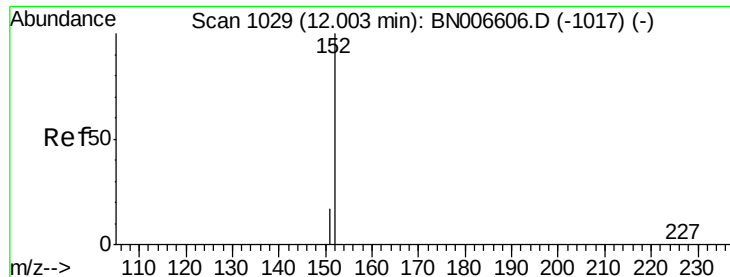
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#9  
Naphthalene  
Concen: 0.401 ng  
RT: 10.44 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion   | 128   | Resp  | 18829 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.1  | 9.3   | 13.9  |
| 127       | 13.6  | 10.8  | 16.2  |





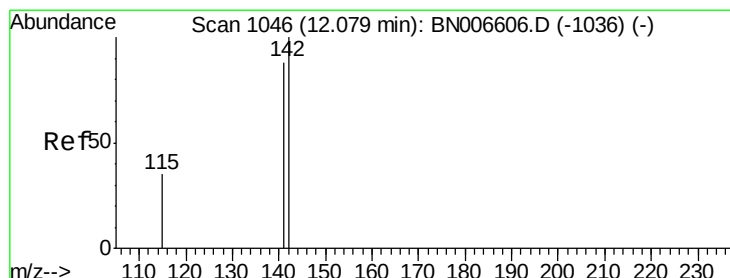
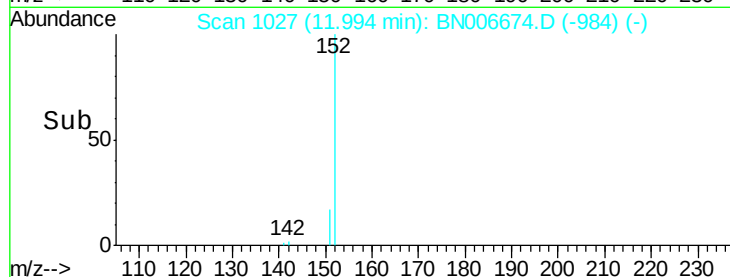
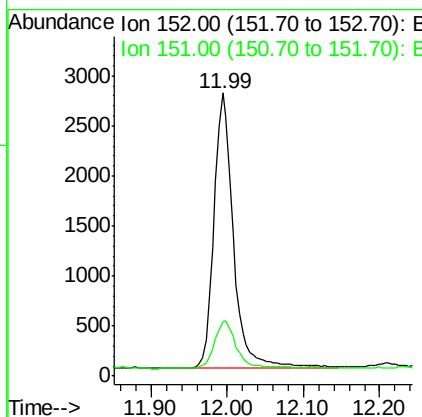
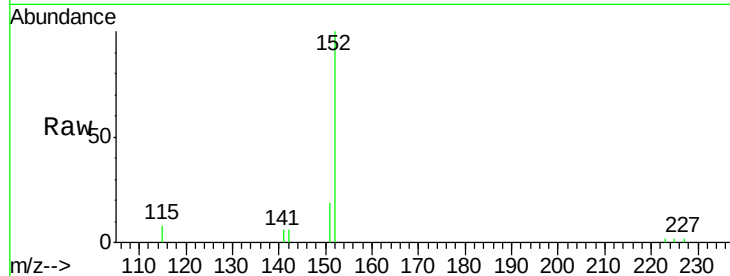
#11  
2-Methylnaphthalene-d10  
Concen: 0.172 ng  
RT: 11.99 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 15.0  | 22.4  |

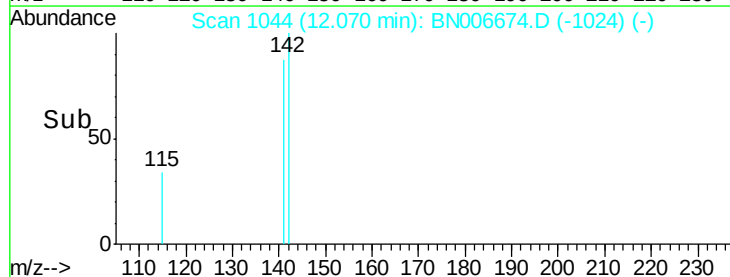
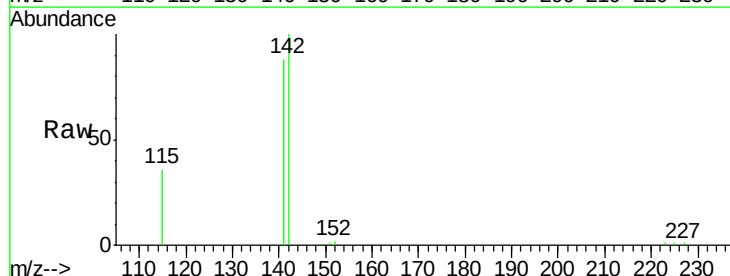
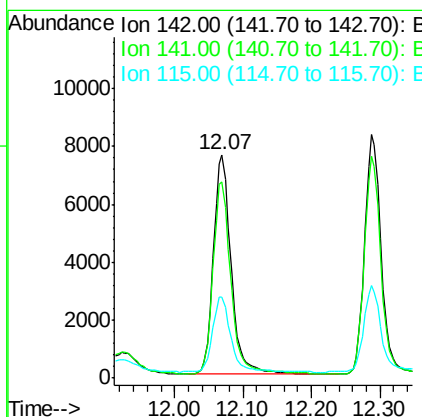
Manual Integrations  
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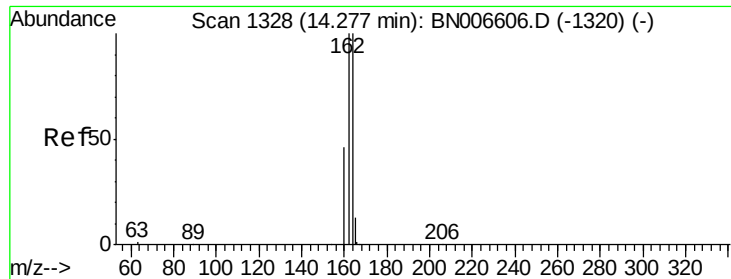
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#12  
2-Methylnaphthalene  
Concen: 0.419 ng  
RT: 12.07 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.7  | 70.2  | 105.4 |
| 115     | 36.2  | 28.5  | 42.7  |





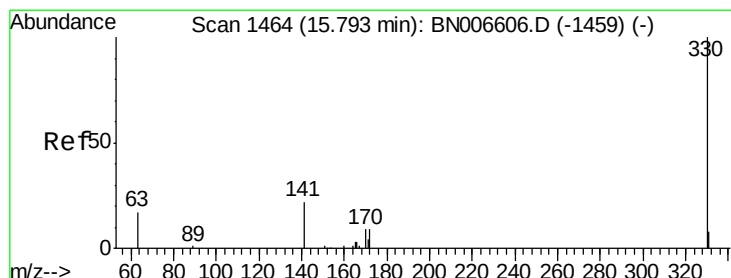
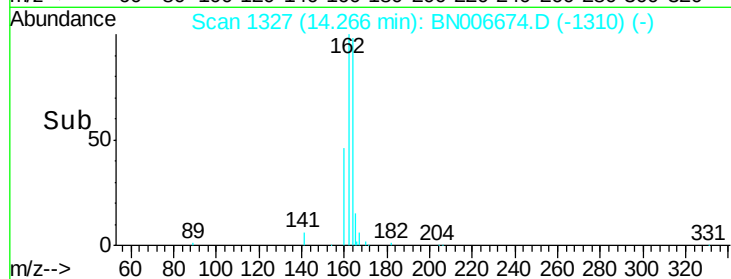
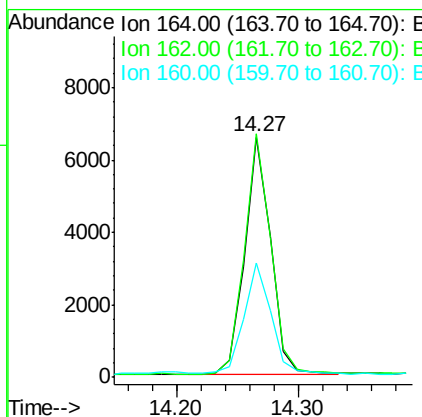
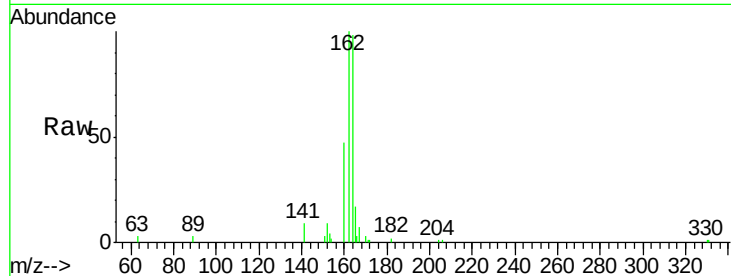
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Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.27 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 80.0  | 120.0 |
| 160     | 47.7  | 37.0  | 55.4  |

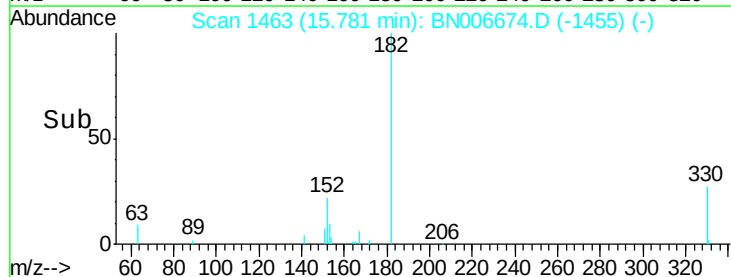
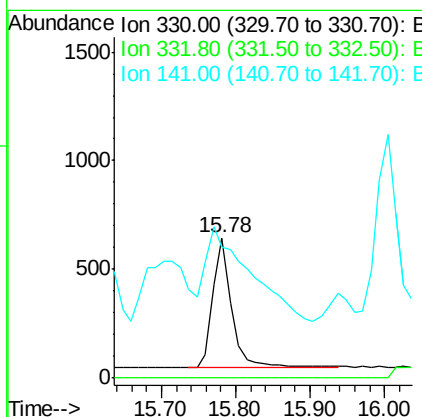
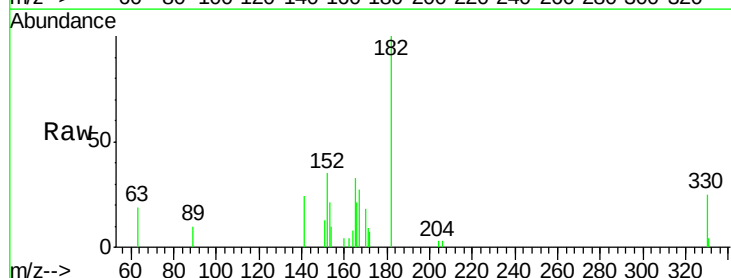
Manual Integrations  
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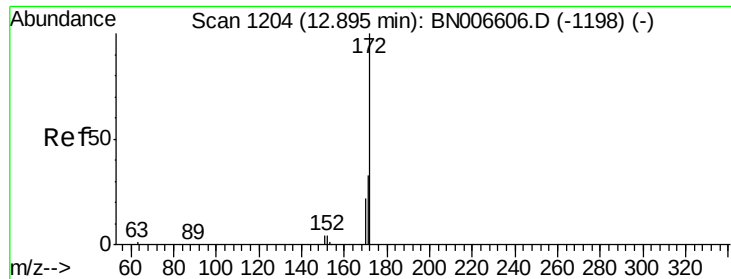
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#14  
2,4,6-Tribromophenol  
Concen: 0.232 ng  
RT: 15.78 min Scan# 1463  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 164.3 | 26.5  | 39.7# |





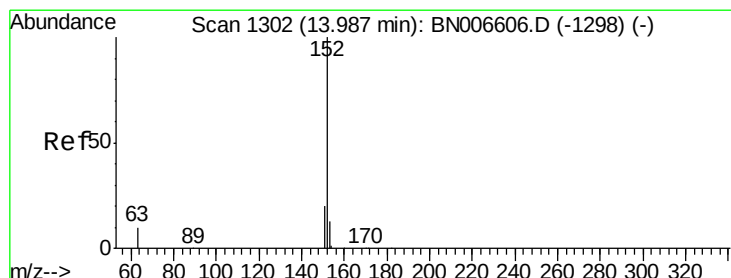
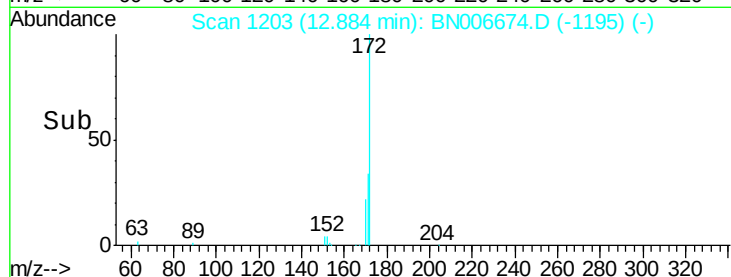
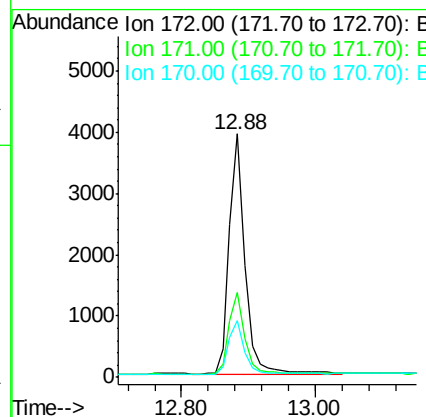
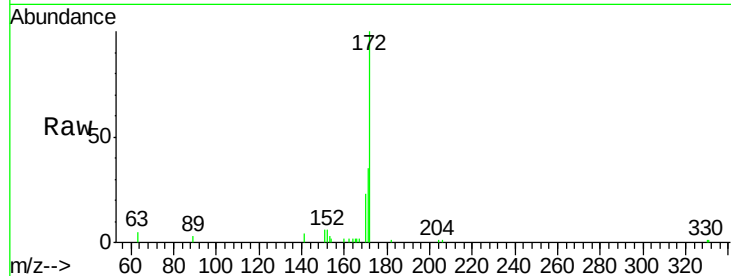
#15  
2-Fluorobiphenyl  
Concen: 0.177 ng  
RT: 12.88 min Scan# 1203  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 27.0  | 40.4  |
| 170     | 23.3  | 17.7  | 26.5  |

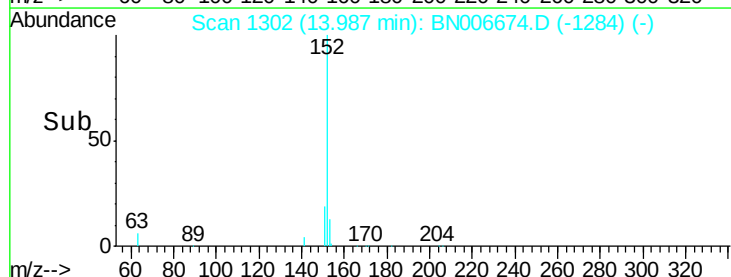
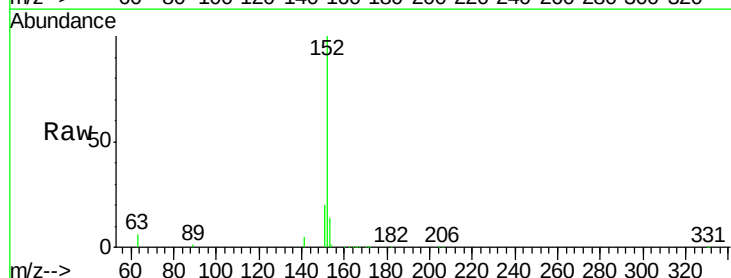
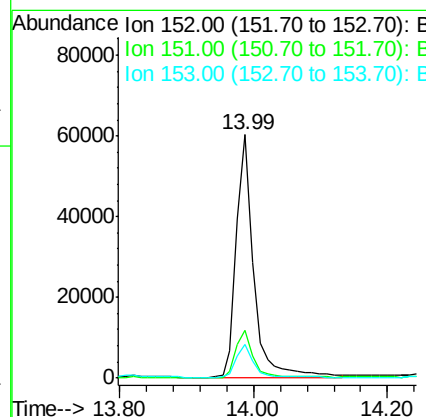
Manual Integrations  
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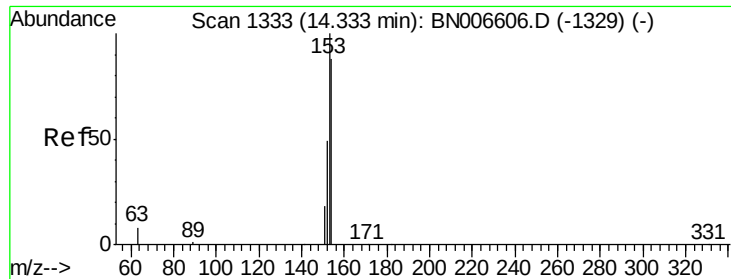


#16  
Acenaphthylene  
Concen: 2.299 ng  
RT: 13.99 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.6  | 23.4  |
| 153     | 13.5  | 10.5  | 15.7  |







#17

Acenaphthene

Concen: 0.205 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

Instrument :

BNA\_N

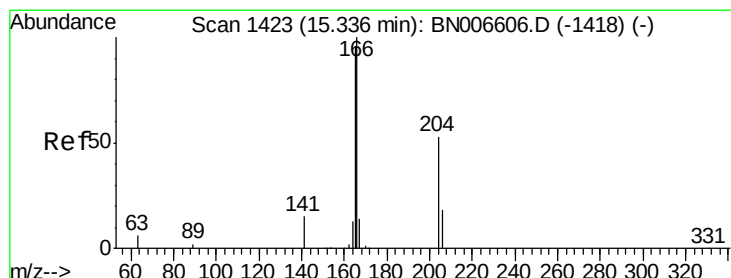
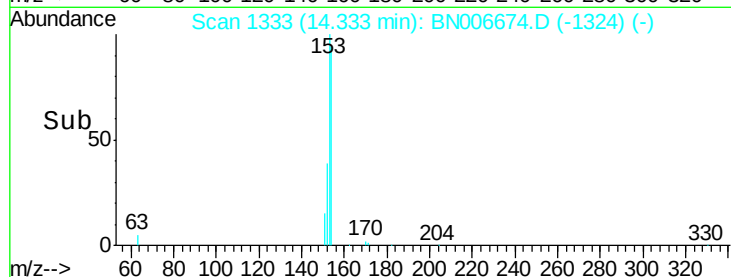
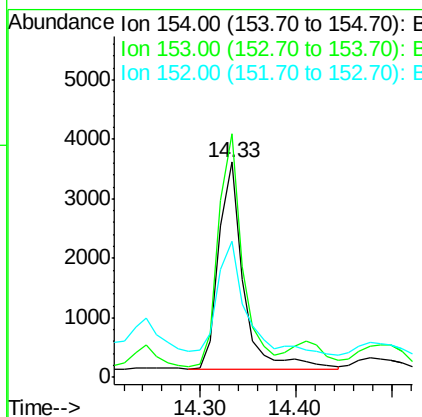
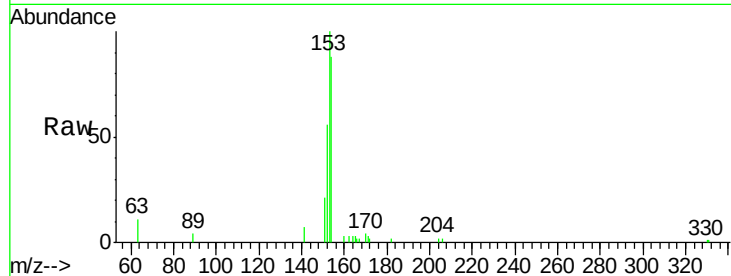
ClientSampleId :

EXT-009-SW144-062019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 6321  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 107.5 | 90.2  | 135.4 |
| 152       | 63.6  | 44.2  | 66.4  |

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#18

Fluorene

Concen: 0.422 ng

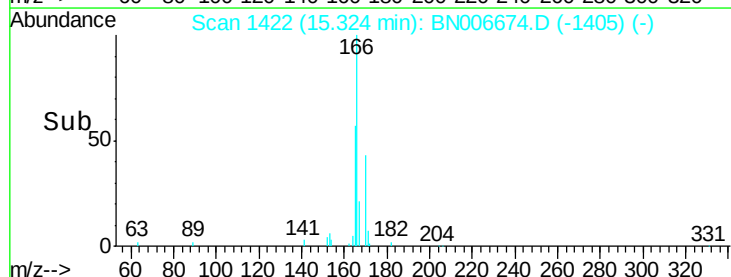
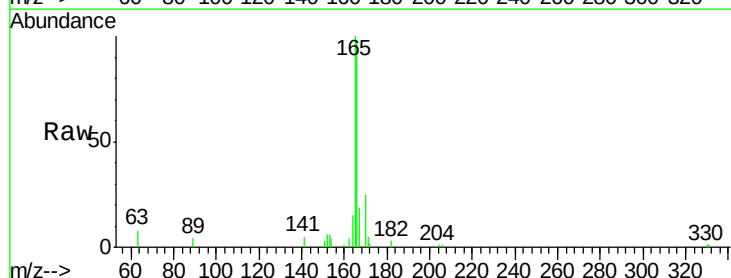
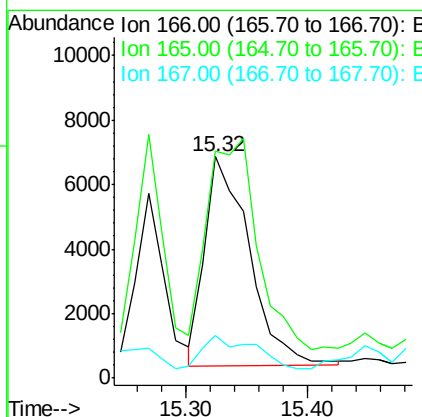
RT: 15.32 min Scan# 1422

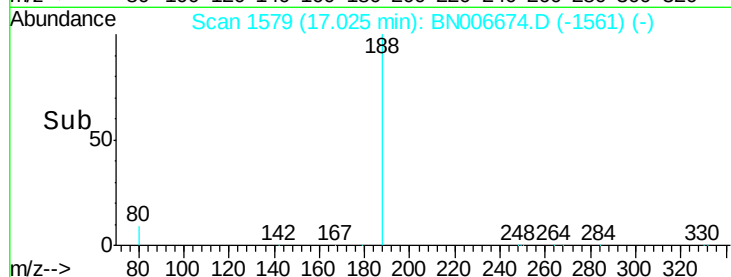
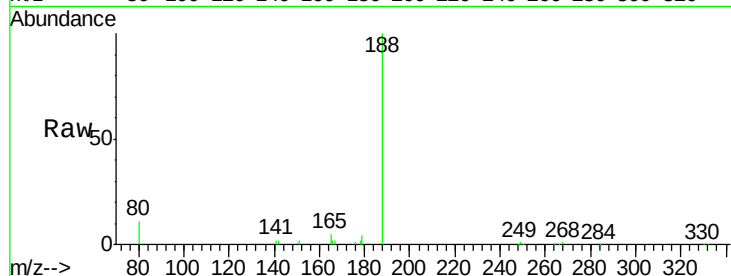
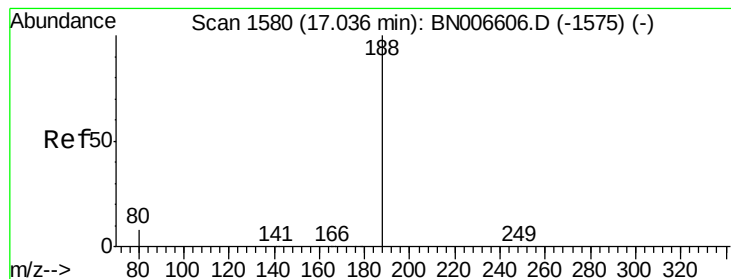
Delta R.T. -0.01 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 16383  |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 0.0   | 78.4  | 117.6# |
| 167       | 18.4  | 10.8  | 16.2#  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

Instrument :

BNA\_N

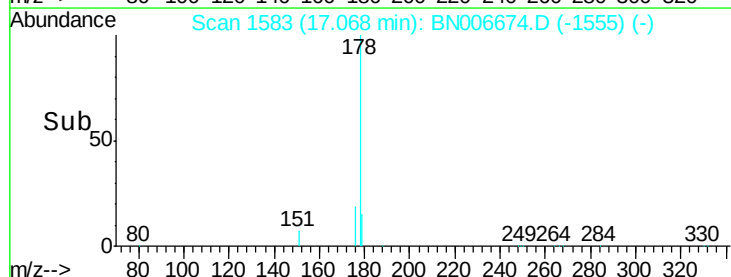
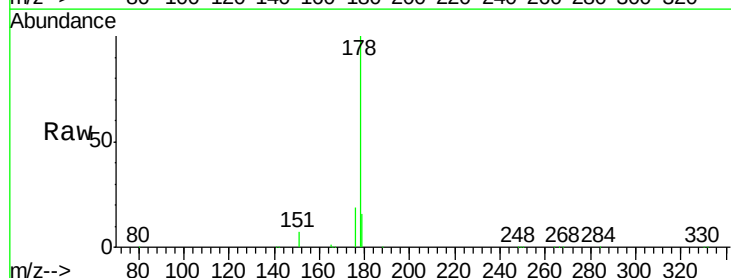
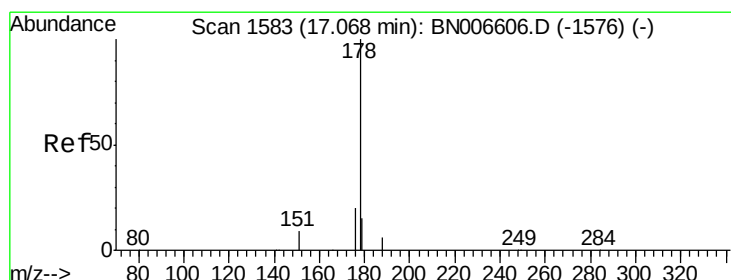
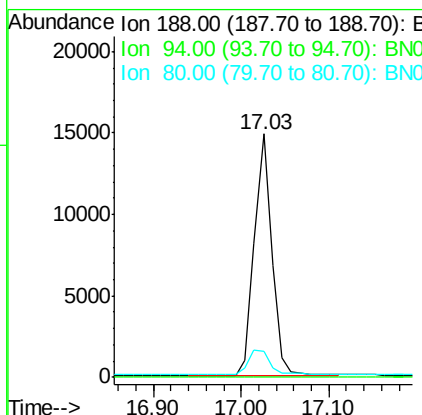
ClientSampleId :

EXT-009-SW144-062019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 20677 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.8  | 7.1   | 10.7# |

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#23

Phenanthrene

Concen: 4.668 ng

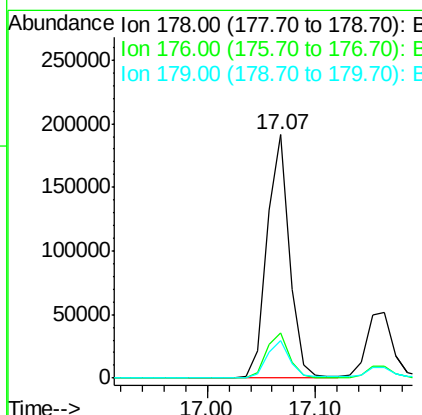
RT: 17.07 min Scan# 1583

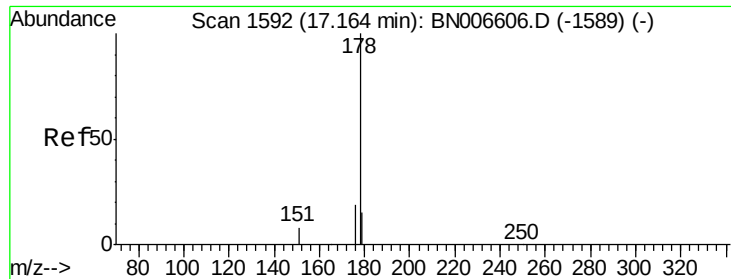
Delta R.T. -0.00 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 274456 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.0  | 15.3  | 22.9   |
| 179       | 15.7  | 12.2  | 18.4   |





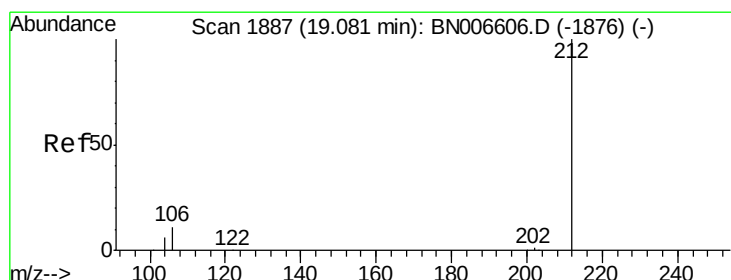
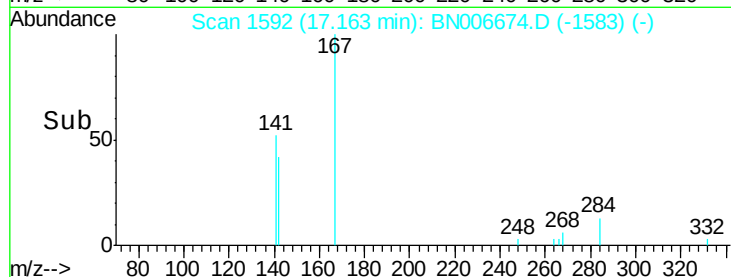
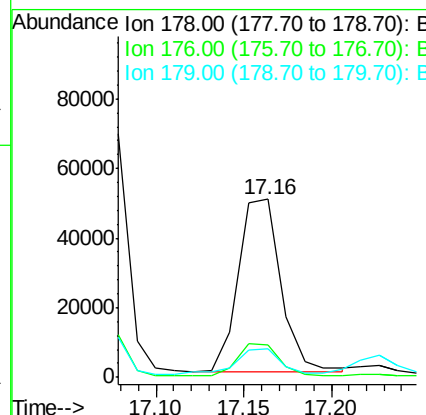
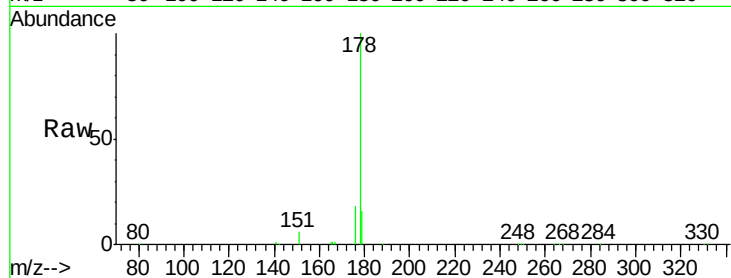
#24  
 Anthracene  
 Concen: 1.629 ng  
 RT: 17.16 min Scan# 1592  
 Delta R.T. -0.00 min  
 Lab File: BN006674.D  
 Acq: 02 Jul 2019 00:33

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.0  | 22.4  |
| 179     | 14.9  | 12.2  | 18.2  |

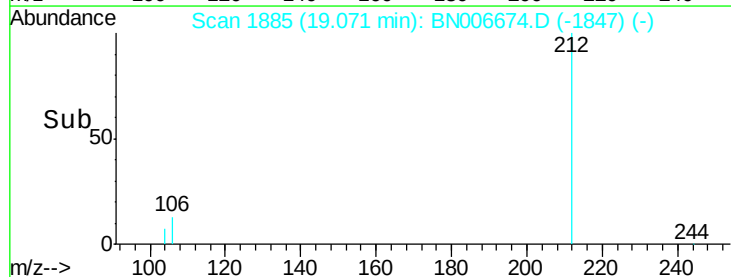
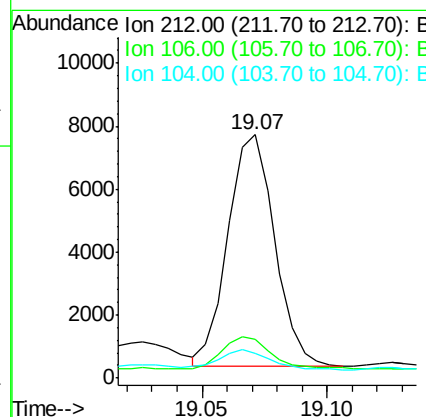
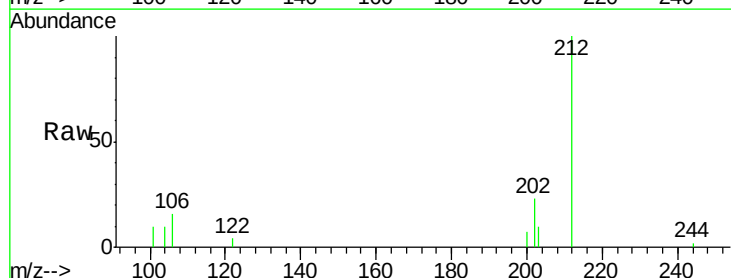
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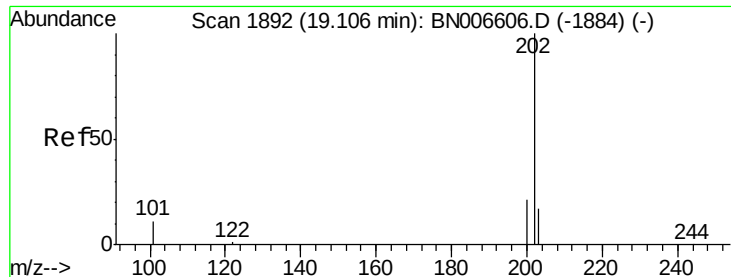
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#25  
 Fluoranthene-d10  
 Concen: 0.157 ng  
 RT: 19.07 min Scan# 1885  
 Delta R.T. -0.01 min  
 Lab File: BN006674.D  
 Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 15.5  | 10.6  | 15.8  |
| 104     | 9.5   | 5.8   | 8.6   |





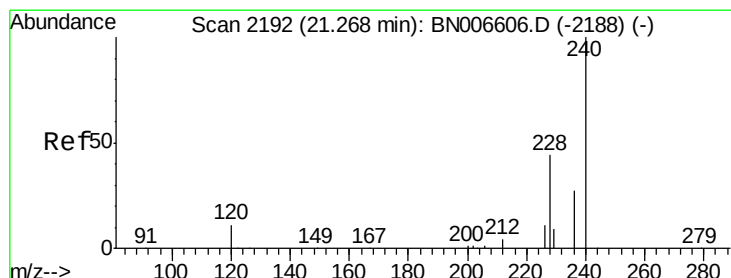
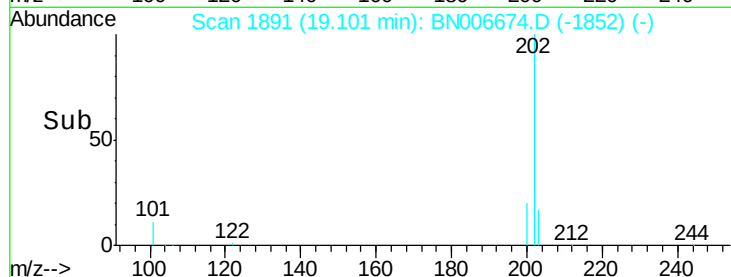
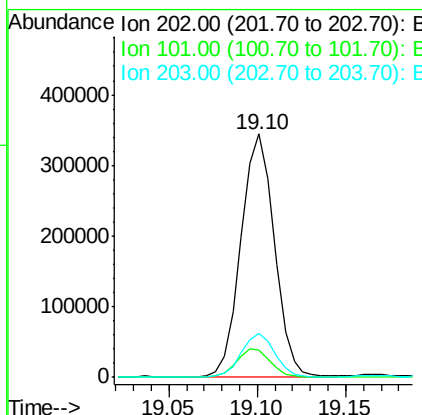
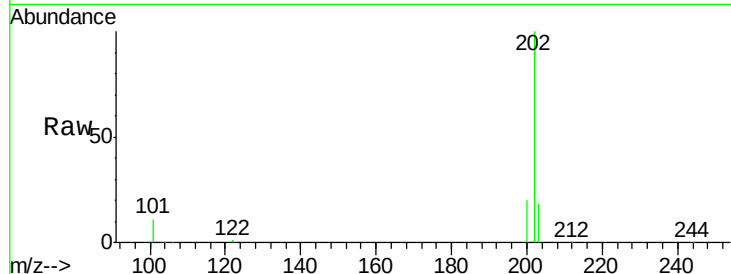
#26  
Fluoranthene  
Concen: 6.299 ng  
RT: 19.10 min Scan# 1891  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 450046 |       |       |
| 101     | 11.7  |        | 8.9   | 13.3  |
| 203     | 17.8  |        | 13.6  | 20.4  |

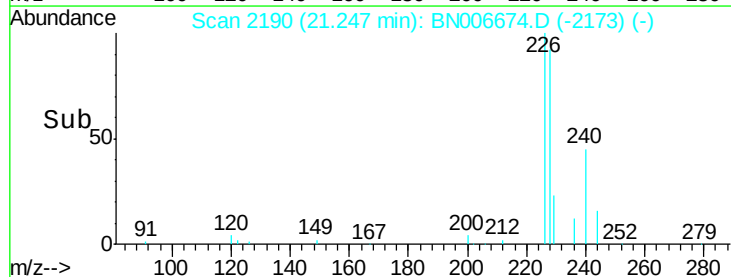
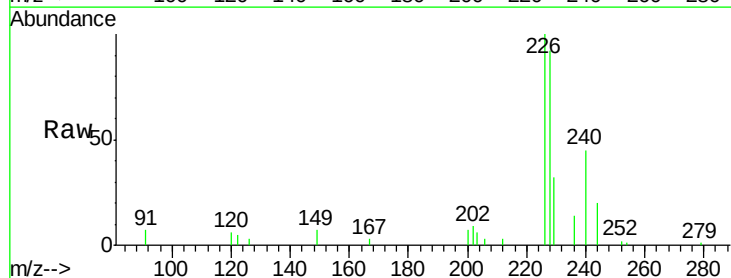
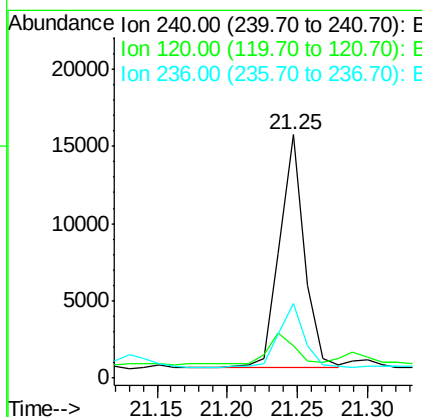
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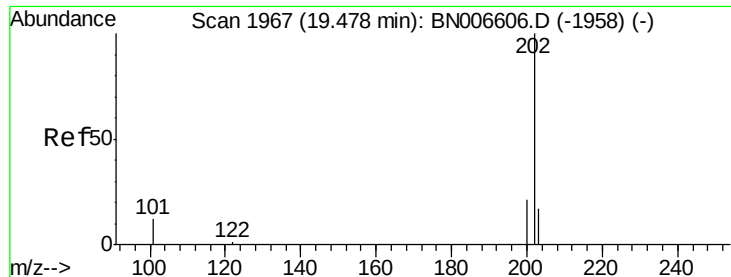
mohammad  
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.25 min Scan# 2190  
Delta R.T. -0.02 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 18781 |       |       |
| 120     | 13.4  |       | 9.9   | 14.9  |
| 236     | 30.5  |       | 22.2  | 33.4  |





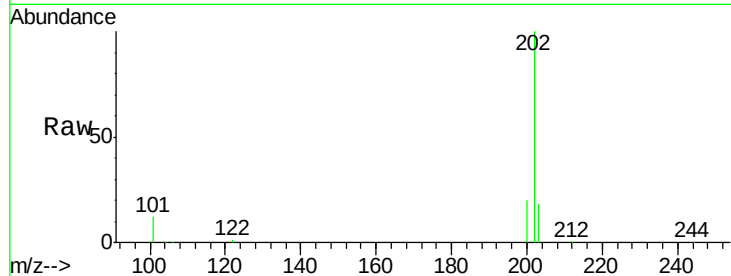
#28  
Pvrene  
Concen: 8.676 ng  
RT: 19.47 min Scan# 1965  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 570185 |       |       |
| 200     | 20.9  |        | 16.7  | 25.1  |
| 203     | 20.3  |        | 14.1  | 21.1  |

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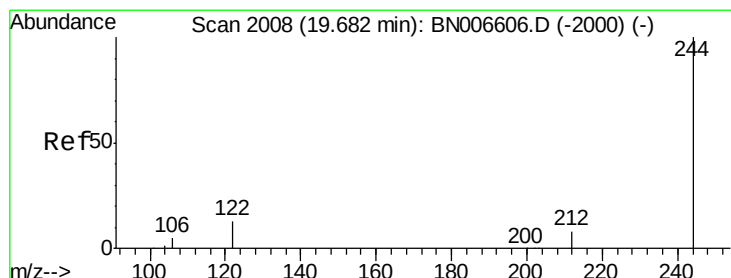
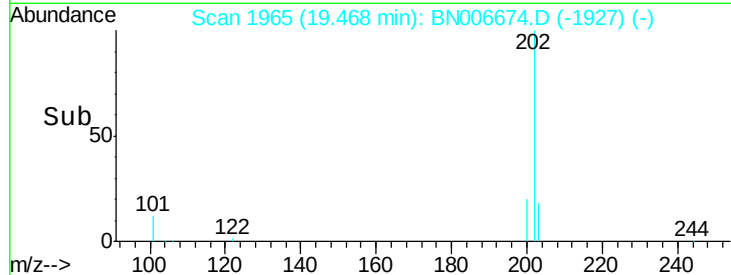
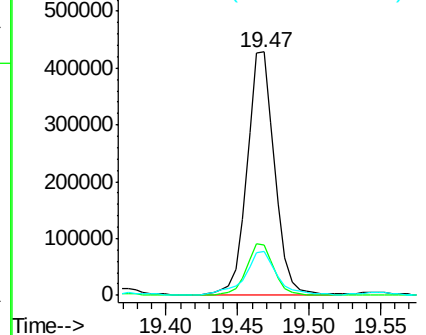


Abundance

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: 0.190 ng  
RT: 19.67 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

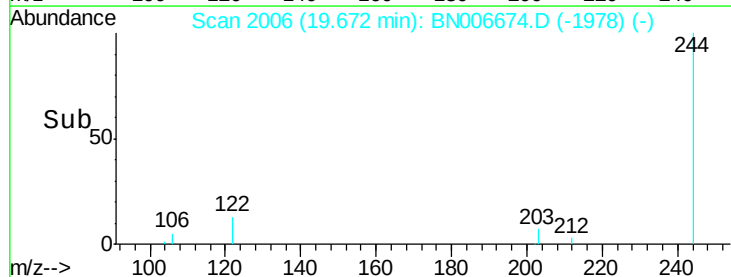
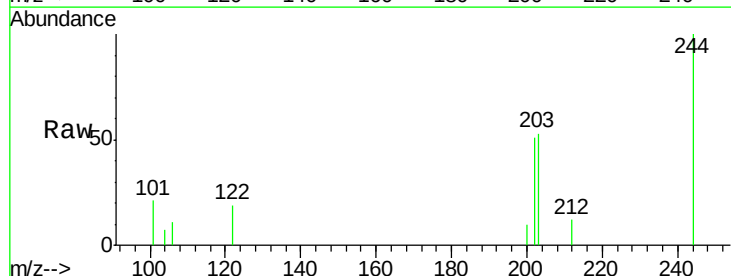
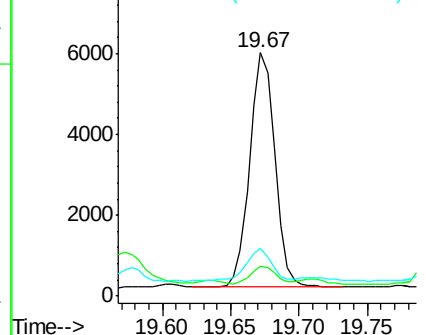
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 7482 |       |       |
| 212     | 12.5  |      | 6.7   | 10.1# |
| 122     | 19.5  |      | 11.0  | 16.6# |

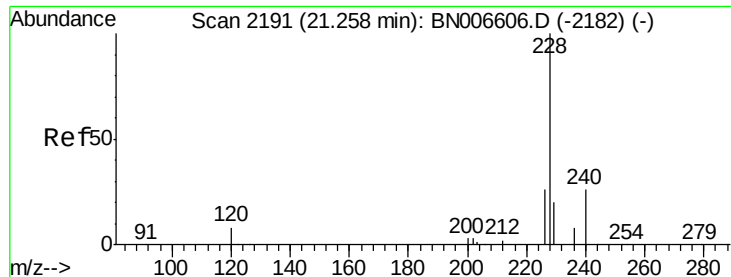
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





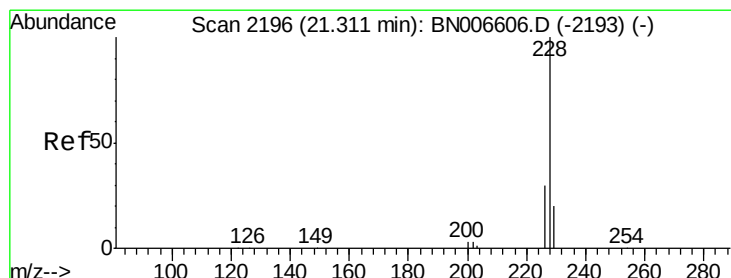
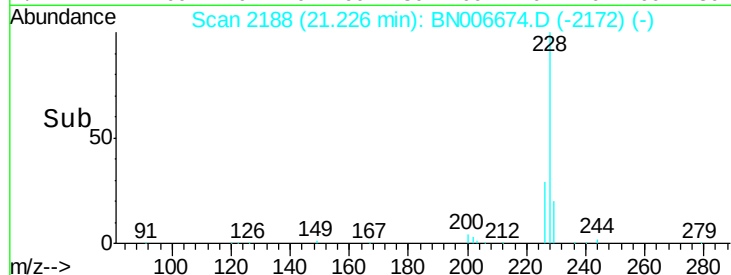
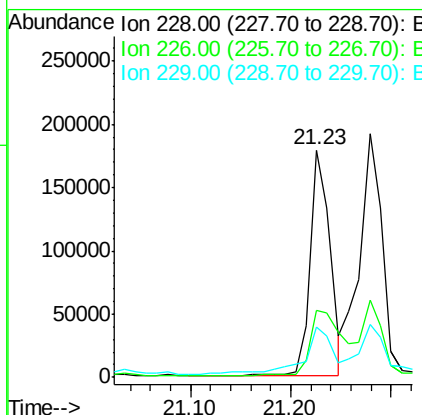
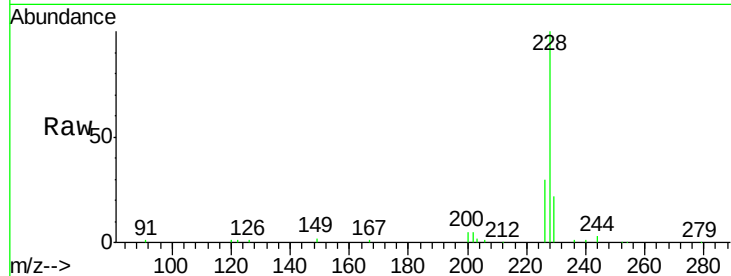
#30  
Benzo(a)anthracene  
Concen: 4.071 ng  
RT: 21.23 min Scan# 2188  
Delta R.T. -0.03 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 21.2  | 31.8  |
| 229     | 22.0  | 16.1  | 24.1  |

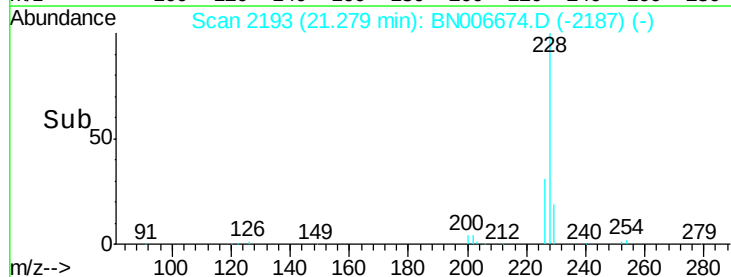
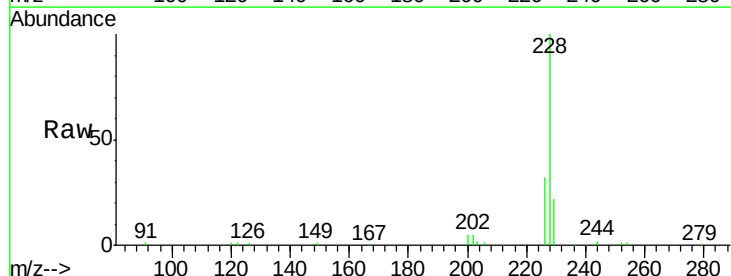
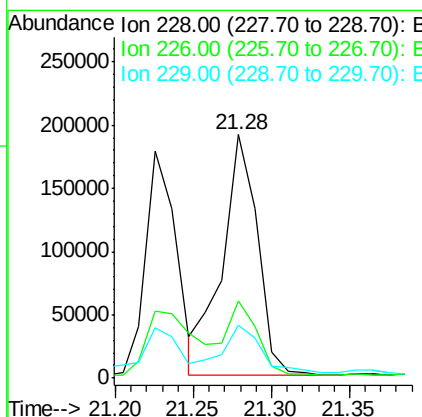
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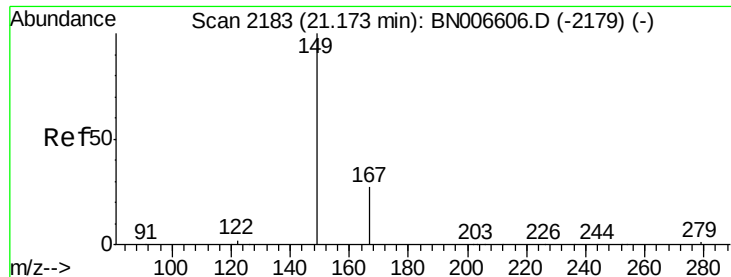
mohammad  
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#31  
Chrysene  
Concen: 4.510 ng  
RT: 21.28 min Scan# 2193  
Delta R.T. -0.03 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.0  | 23.8  | 35.6  |
| 229     | 21.9  | 15.9  | 23.9  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.522 ng

RT: 21.15 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

Instrument :

BNA\_N

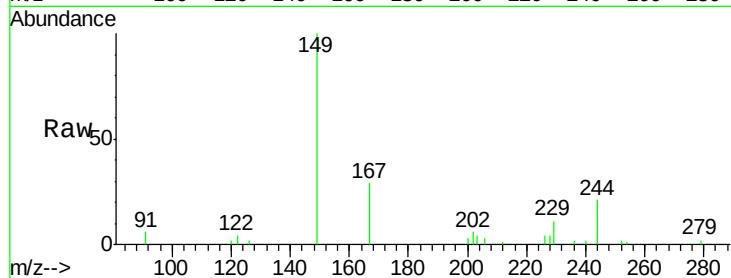
ClientSampleId :

EXT-009-SW144-062019

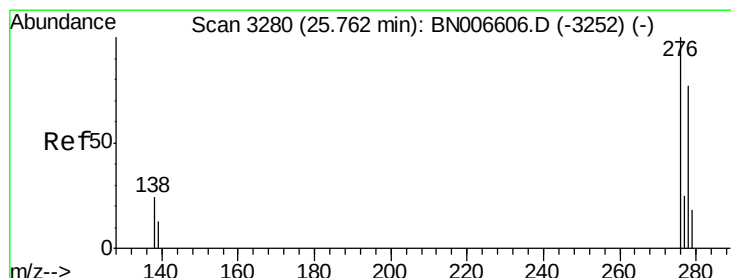
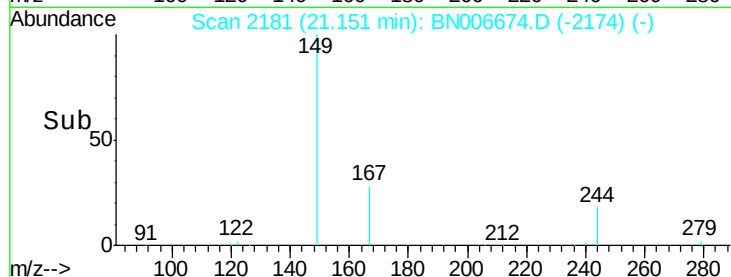
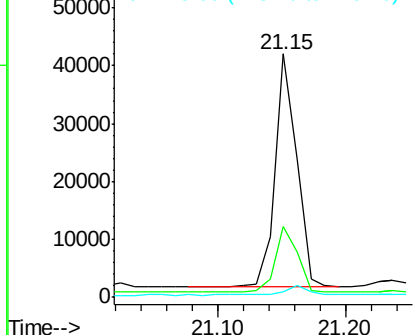
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 47046 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.8  | 22.9  | 34.3  |
| 279       | 4.1   | 3.3   | 4.9   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
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: 2.574 ng

RT: 25.71 min Scan# 3264

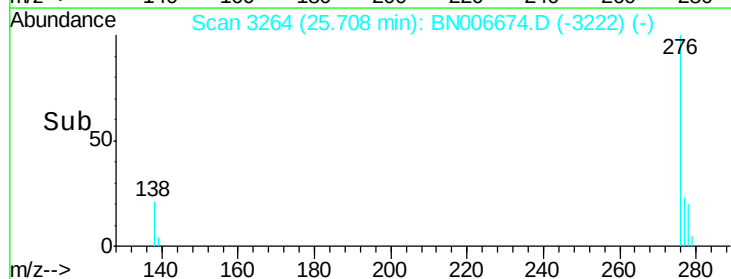
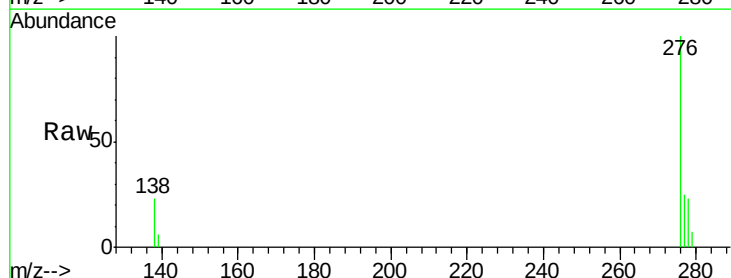
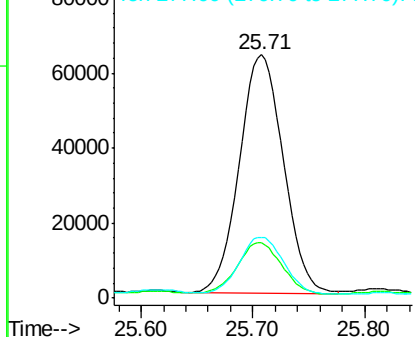
Delta R.T. -0.05 min

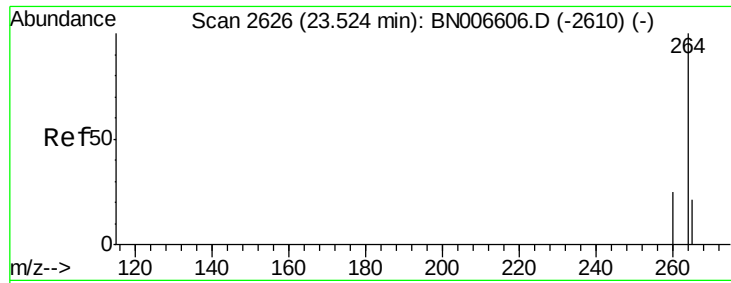
Lab File: BN006674.D

Acq: 02 Jul 2019 00:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 172484 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 21.7  | 19.3  | 28.9   |
| 277       | 24.4  | 19.9  | 29.9   |

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





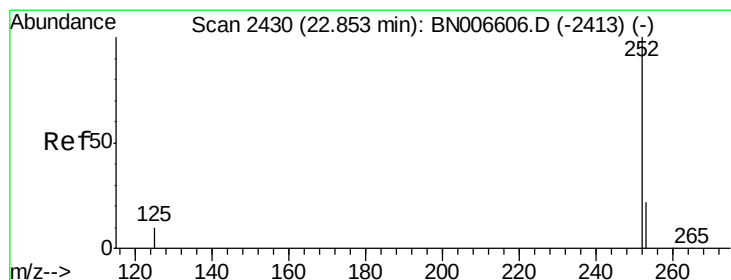
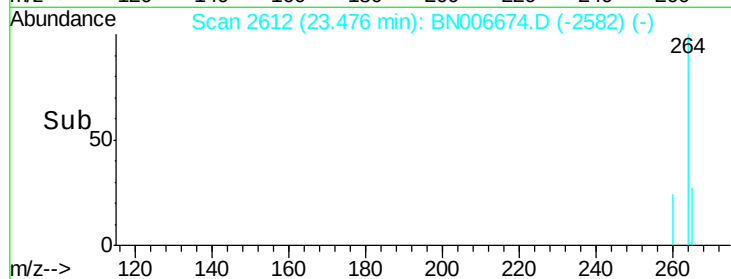
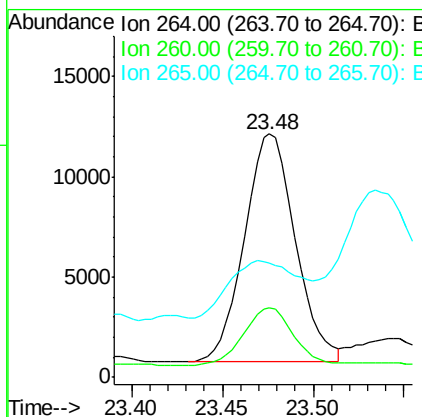
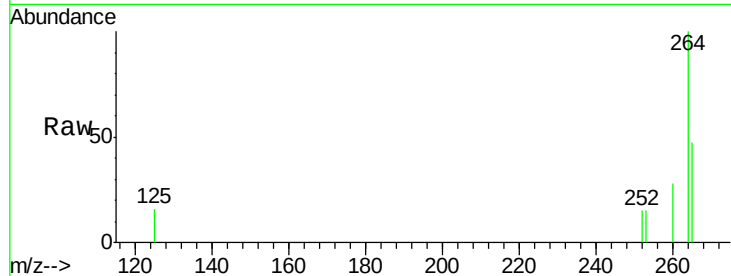
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.48 min Scan# 2612  
Delta R.T. -0.05 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 28.3  | 20.2  | 30.2  |
| 265     | 46.9  | 23.3  | 34.9  |

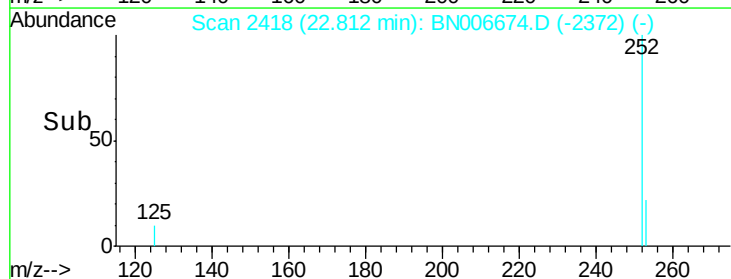
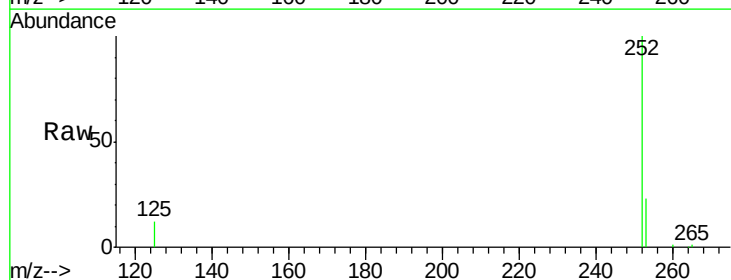
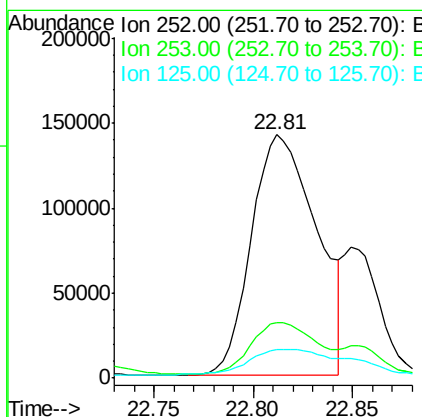
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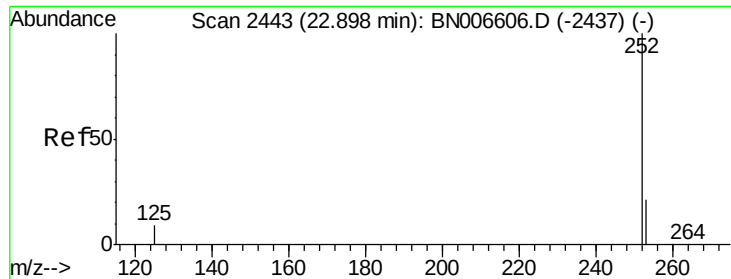


#35  
Benzo(b)fluoranthene  
Concen: 4.280 ng  
RT: 22.81 min Scan# 2418  
Delta R.T. -0.04 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.4  | 27.6  |
| 125     | 11.9  | 8.7   | 13.1  |







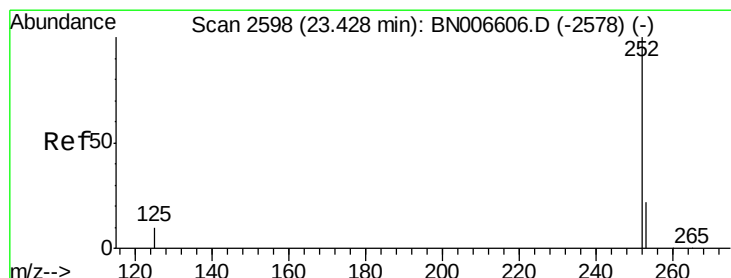
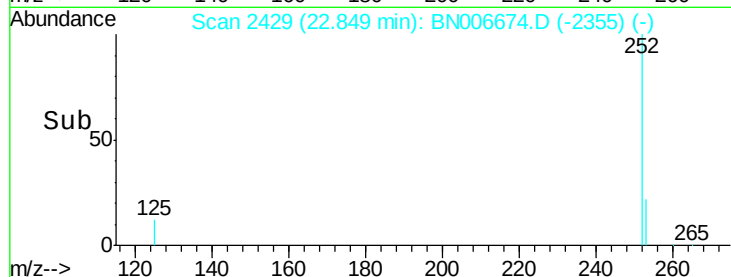
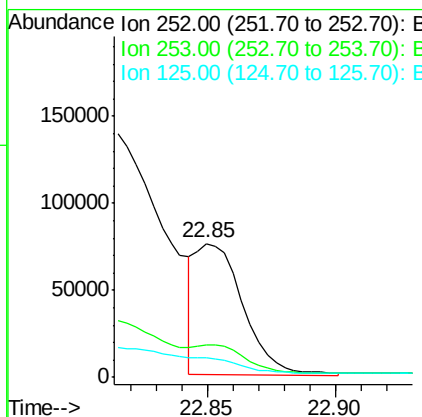
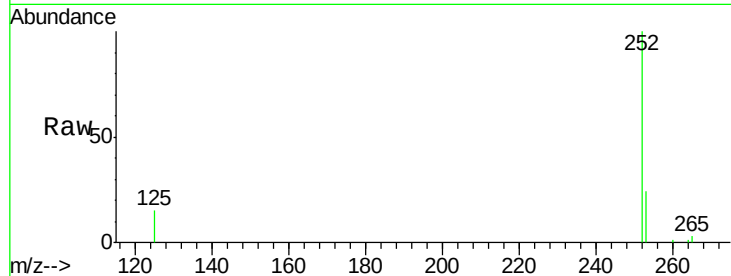
#36  
Benzo(k)fluoranthene  
Concen: 1.215 ng/mL  
RT: 22.85 min Scan# 2429  
Delta R.T. -0.05 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 18.3  | 27.5  |
| 125     | 14.6  | 8.4   | 12.6  |

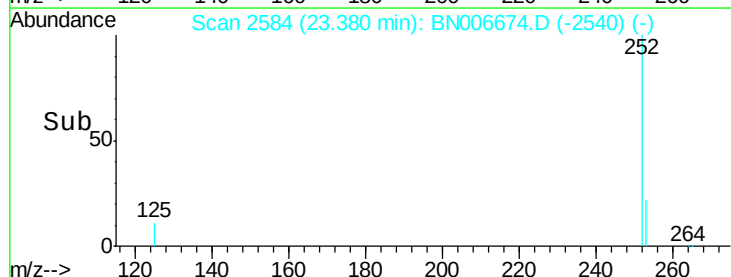
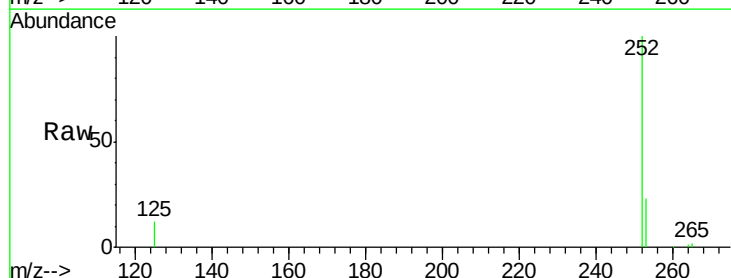
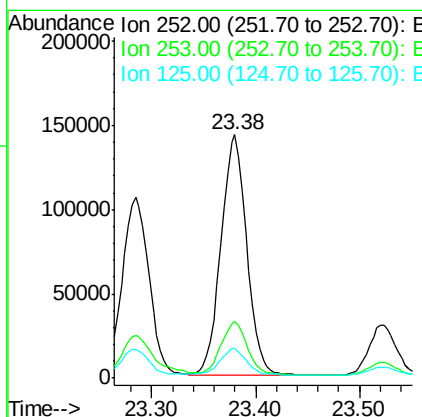
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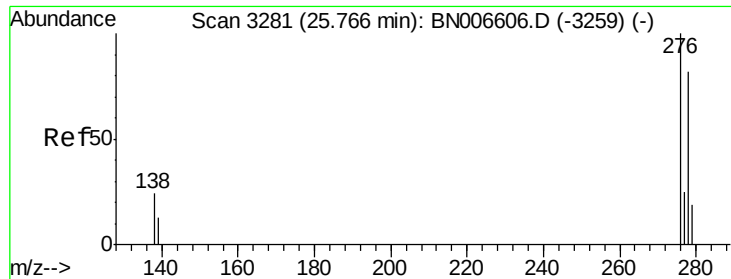
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#37  
Benzo(a)pyrene  
Concen: 3.472 ng/mL  
RT: 23.38 min Scan# 2584  
Delta R.T. -0.05 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.8  | 28.2  |
| 125     | 12.1  | 9.4   | 14.2  |





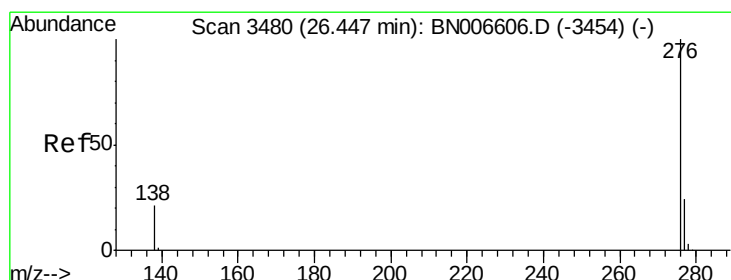
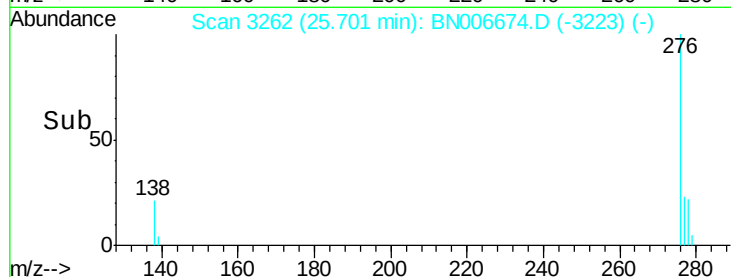
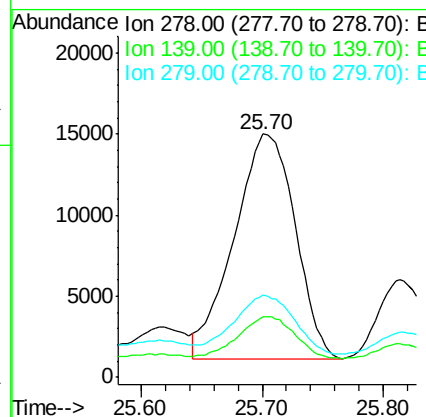
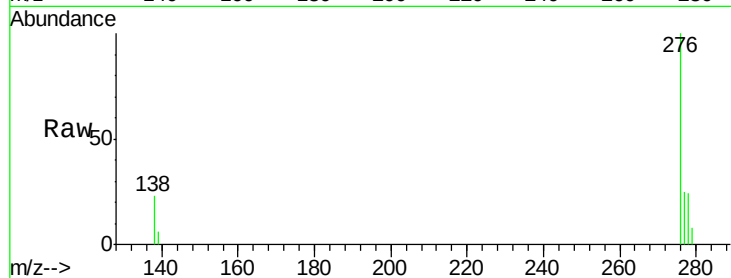
#38  
Dibenzo(a,h)anthracene  
Concen: 0.788 ng  
RT: 25.70 min Scan# 3262  
Delta R.T. -0.07 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-009-SW144-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.8  | 13.5  | 20.3# |
| 279     | 33.7  | 19.4  | 29.2# |

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#39  
Benzo(g,h,i)perylene  
Concen: 3.096 ng  
RT: 26.39 min Scan# 3464  
Delta R.T. -0.05 min  
Lab File: BN006674.D  
Acq: 02 Jul 2019 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.5  | 19.6  | 29.4  |
| 138     | 23.1  | 17.7  | 26.5  |

