

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\  
 Data File : BN006725.D  
 Acq On : 05 Jul 2019 20:35  
 Operator : HP/JU  
 Sample : K3560-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-012-SW139-062419

Manual Integrations  
 APPROVED

mohammad  
 7/10/2019 8:26:58 AM

Quant Time: Jul 08 09:07:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 05 05:30:28 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 2905     | 0.40 | ng    | -0.03    |
| 7) Naphthalene-d8         | 10.36 | 136  | 11226    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.24 | 164  | 6700     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.00 | 188  | 15507    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.23 | 240  | 15634    | 0.40 | ng    | -0.03    |
| 34) Perylene-d12          | 23.45 | 264  | 17744    | 0.40 | ng    | -0.06    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.21  | 112 | 2806  | 0.36 | ng | -0.02 |
| 5) Phenol-d6                | 6.79  | 99  | 3996  | 0.40 | ng | -0.04 |
| 8) Nitrobenzene-d5          | 8.78  | 82  | 2708  | 0.31 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 6435  | 0.38 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.76 | 330 | 1244  | 0.38 | ng | -0.03 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 8599  | 0.33 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.05 | 212 | 13138 | 0.30 | ng | -0.03 |
| 29) Terphenyl-d14           | 19.65 | 244 | 9463  | 0.26 | ng | -0.03 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.41 | 128 | 2220   | 0.072 | ng | # 86   |
| 16) Acenaphthylene             | 13.96 | 152 | 8640   | 0.259 | ng | 99     |
| 17) Acenaphthene               | 14.30 | 154 | 538    | 0.025 | ng | # 83   |
| 18) Fluorene                   | 15.31 | 166 | 1335   | 0.051 | ng | # 79   |
| 23) Phenanthrene               | 17.05 | 178 | 29645  | 0.663 | ng | 99     |
| 24) Anthracene                 | 17.14 | 178 | 5463   | 0.135 | ng | # 92   |
| 26) Fluoranthene               | 19.08 | 202 | 57937  | 1.104 | ng | 98     |
| 28) Pyrene                     | 19.44 | 202 | 80157  | 1.281 | ng | 97     |
| 30) Benzo(a)anthracene         | 21.20 | 228 | 36194  | 0.671 | ng | 94     |
| 31) Chrysene                   | 21.26 | 228 | 50151m | 0.902 | ng |        |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 19852  | 0.123 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 24451  | 0.368 | ng | 95     |
| 35) Benzo(b)fluoranthene       | 22.79 | 252 | 47780  | 0.839 | ng | 97     |
| 36) Benzo(k)fluoranthene       | 22.83 | 252 | 16567m | 0.268 | ng |        |
| 37) Benzo(a)pyrene             | 23.35 | 252 | 36639m | 0.664 | ng |        |
| 38) Dibenzo(a,h)anthracene     | 25.67 | 278 | 7282   | 0.133 | ng | # 79   |
| 39) Benzo(a,h,i)perylene       | 26.35 | 276 | 26604  | 0.472 | ng | 98     |

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

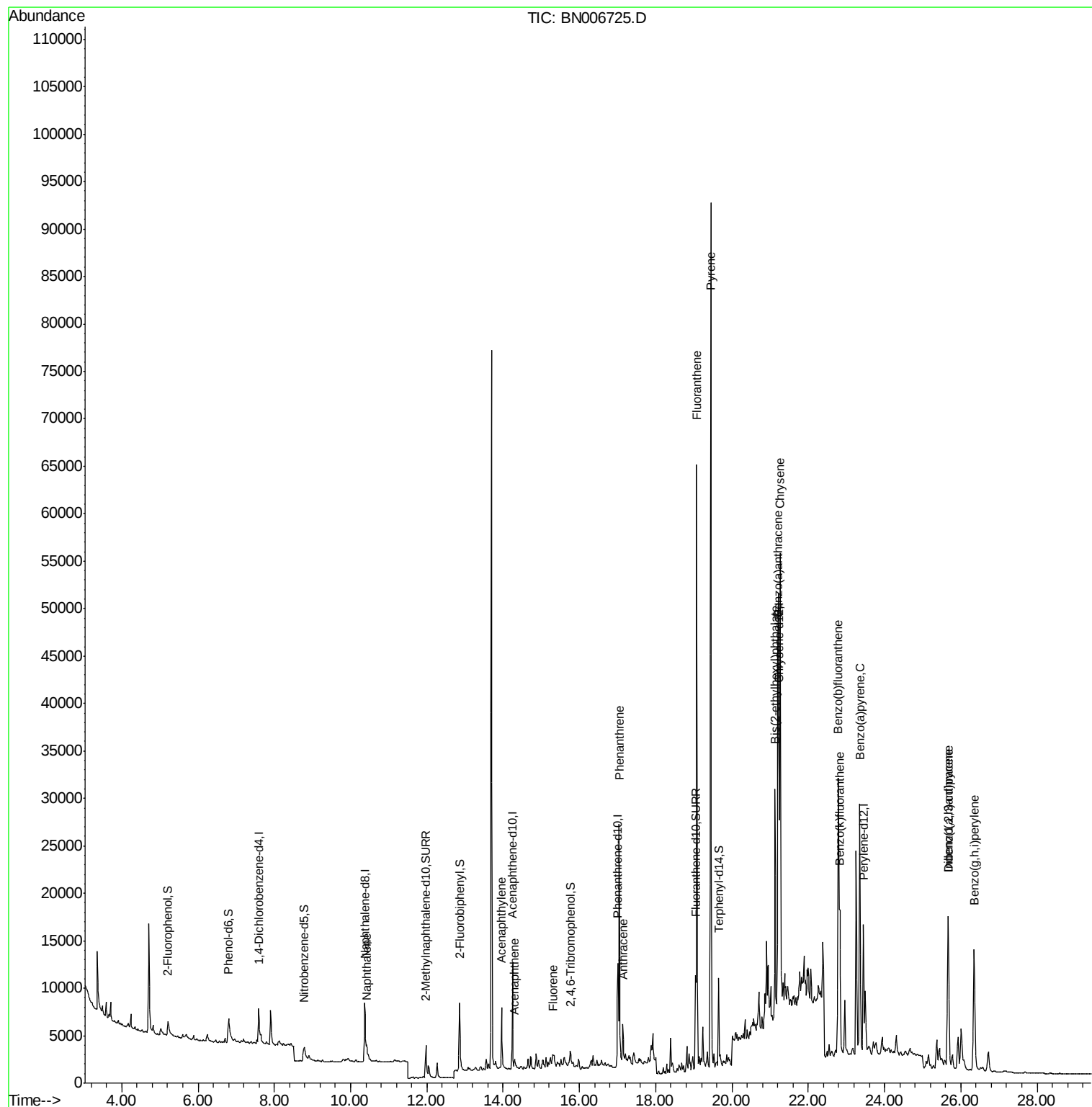
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\  
Data File : BN006725.D  
Acq On : 05 Jul 2019 20:35  
Operator : HP/JU  
Sample : K3560-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

Manual Integrations  
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7/10/2019 8:26:58 AM

Quant Time: Jul 08 09:07:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 05:30:28 2019  
Response via : Initial Calibration





#1

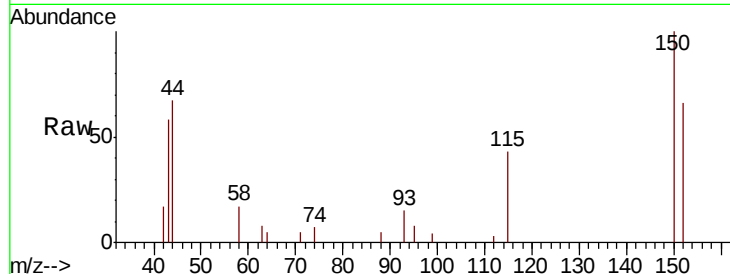
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.59 min Scan# 566  
Delta R.T. -0.03 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

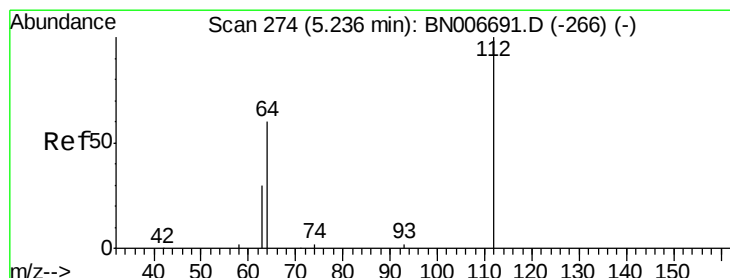
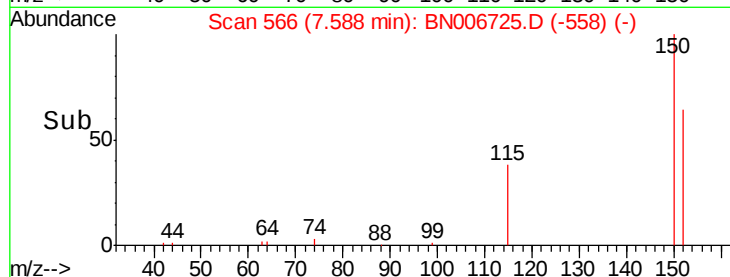
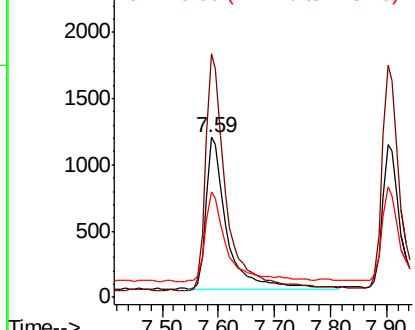
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.0 | 120.6 | 181.0 |
| 115     | 65.8  | 51.0  | 76.6  |

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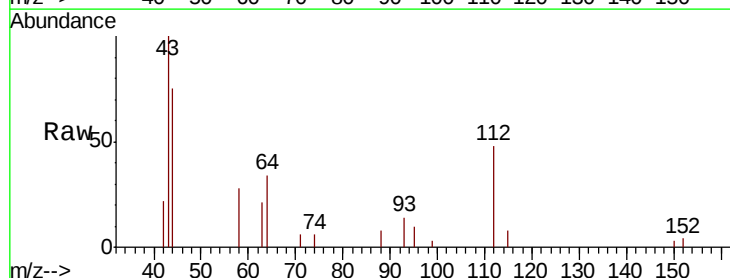
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



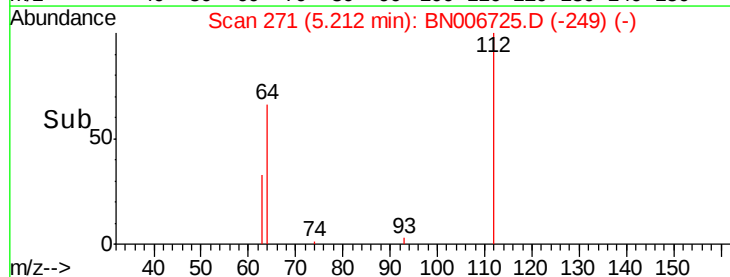
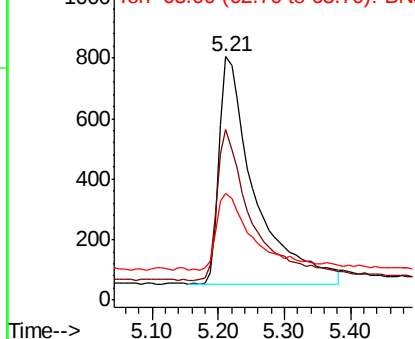
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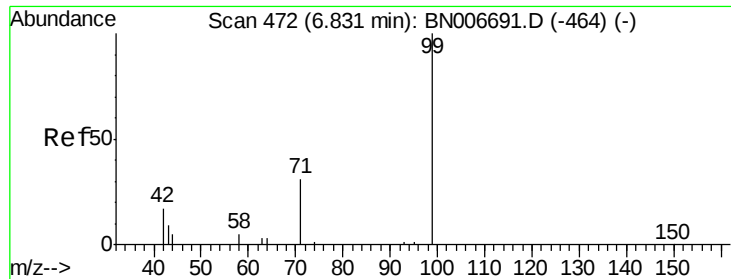
2-Fluorophenol  
Concen: 0.356 ng  
RT: 5.21 min Scan# 271  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.8  | 49.8  | 74.6  |
| 63      | 34.5  | 25.8  | 38.6  |



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





#5

Phenol-d6

Concen: 0.400 ng

RT: 6.79 min Scan# 467

Delta R.T. -0.04 min

Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

Instrument :

BNA\_N

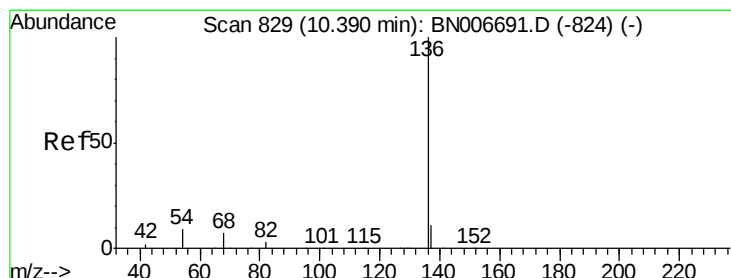
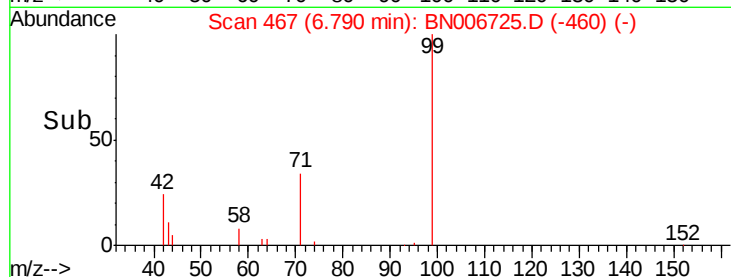
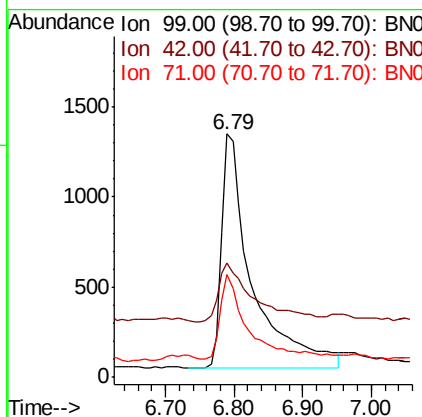
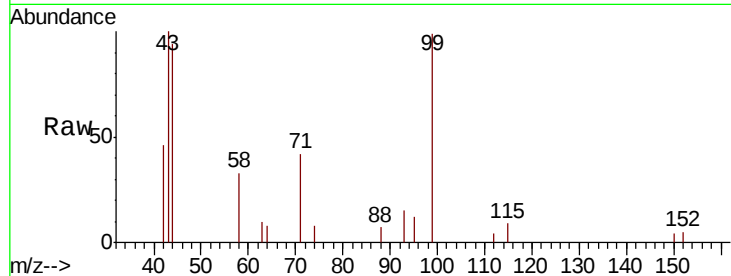
ClientSampleId :

EXT-012-SW139-062419

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 3996  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 30.7  | 16.6  | 25.0# |
| 71       | 32.1  | 26.0  | 39.0  |

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#7

Naphthalene-d8

Concen: 0.400 ng

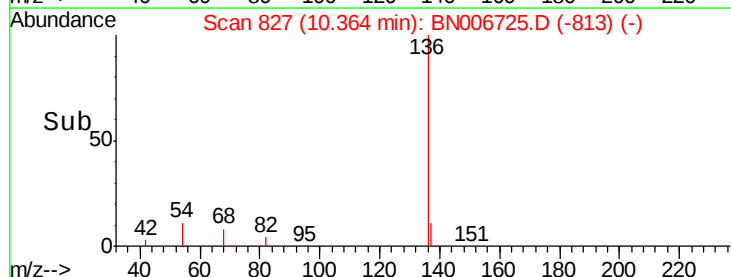
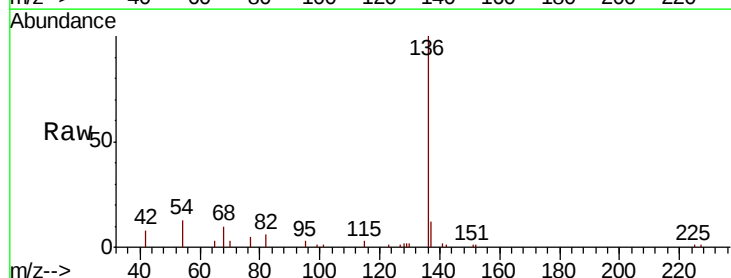
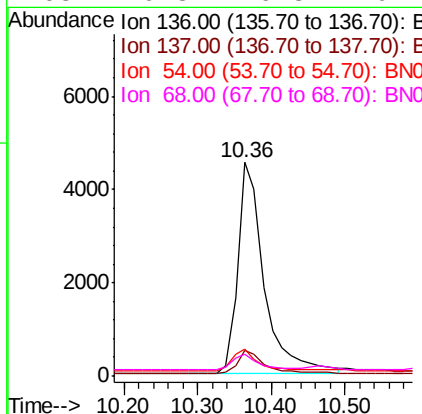
RT: 10.36 min Scan# 827

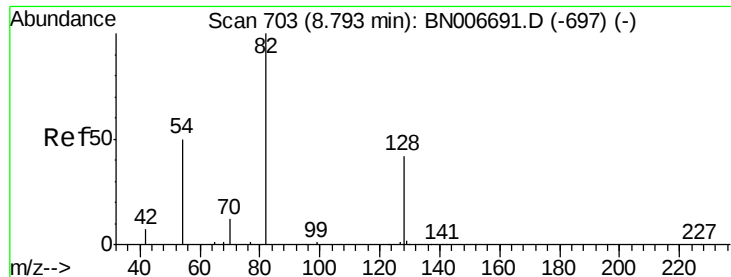
Delta R.T. -0.03 min

Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 11226 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.1  | 9.3   | 13.9  |
| 54       | 12.9  | 8.4   | 12.6# |
| 68       | 10.3  | 6.8   | 10.2# |





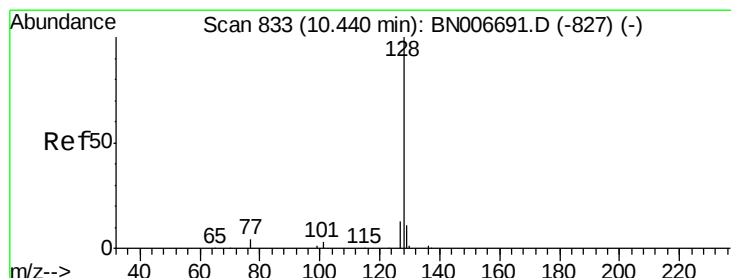
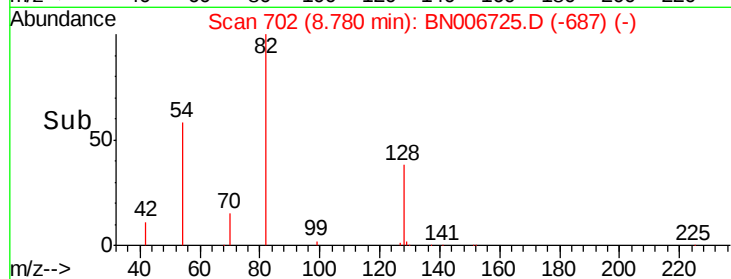
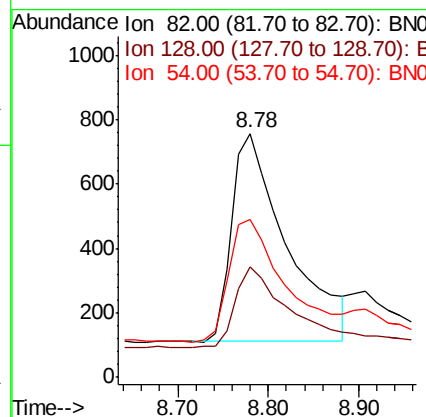
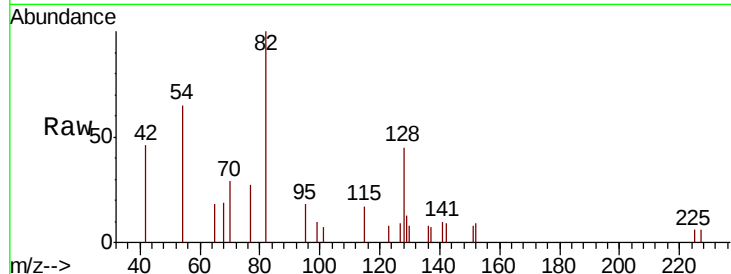
#8  
Nitrobenzene-d5  
Concen: 0.315 ng  
RT: 8.78 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | 82    | Resp: | 2708  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 82      | 100   |       |       |
| 128     | 45.1  | 36.1  | 54.1  |
| 54      | 64.8  | 44.5  | 66.7  |

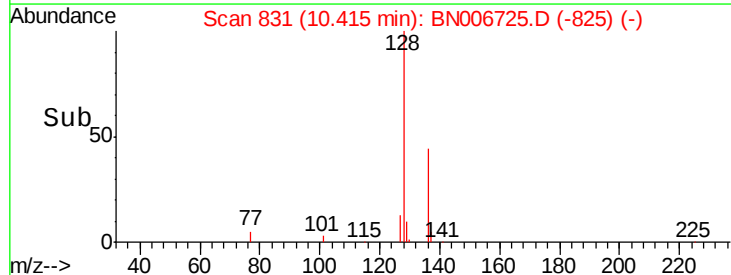
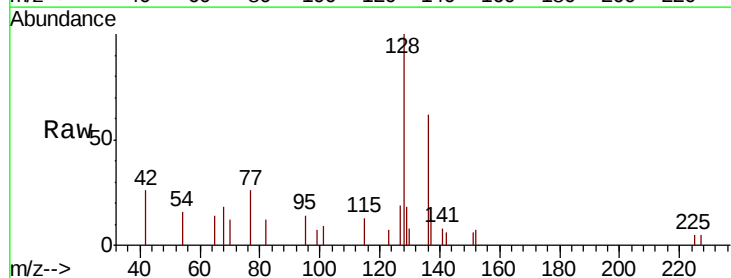
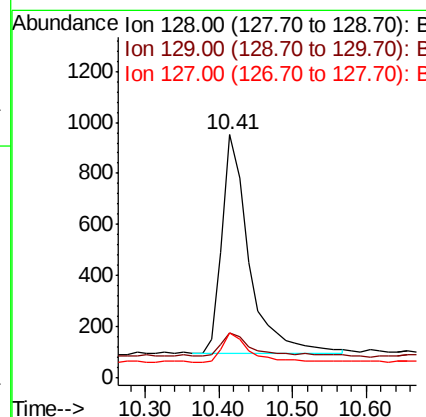
Manual Integrations  
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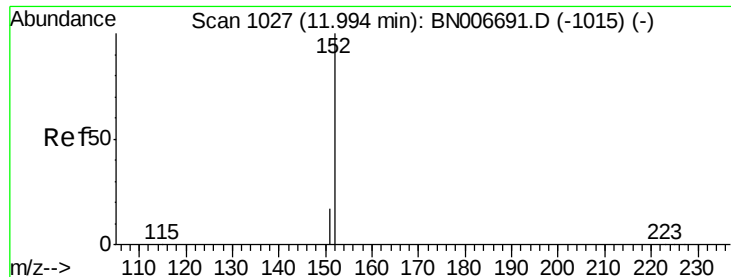
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#9  
Naphthalene  
Concen: 0.072 ng  
RT: 10.41 min Scan# 831  
Delta R.T. -0.03 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | 128   | Resp: | 2220  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 128     | 100   |       |       |
| 129     | 18.4  | 9.6   | 14.4# |
| 127     | 18.6  | 11.0  | 16.4# |





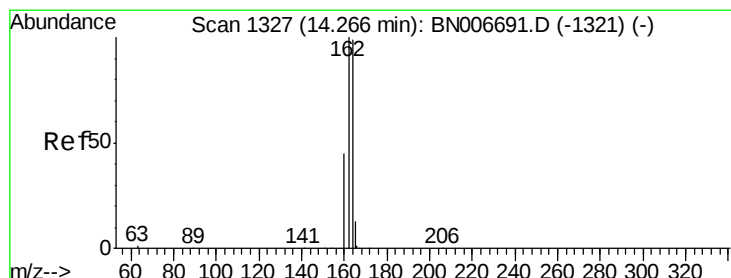
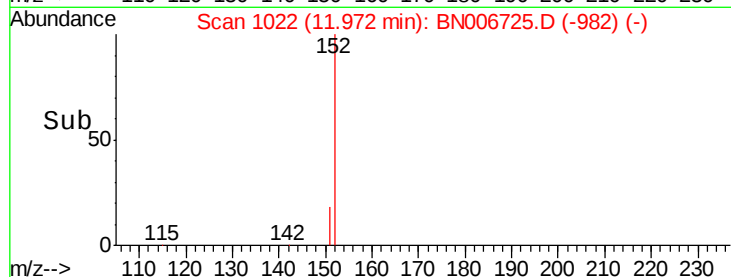
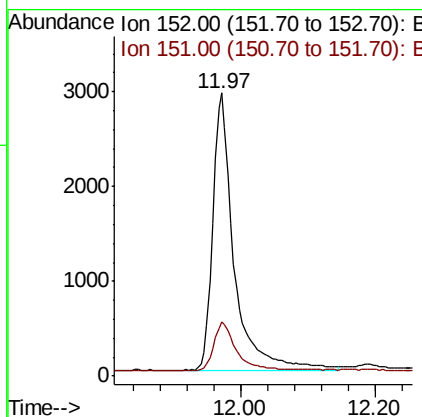
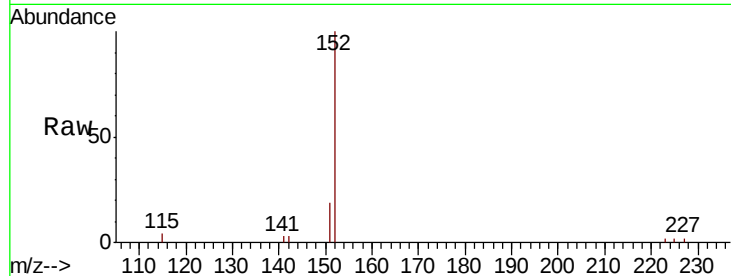
#11  
2-Methylnaphthalene-d10  
Concen: 0.381 ng  
RT: 11.97 min Scan# 1022  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.4  | 14.9  | 22.3  |

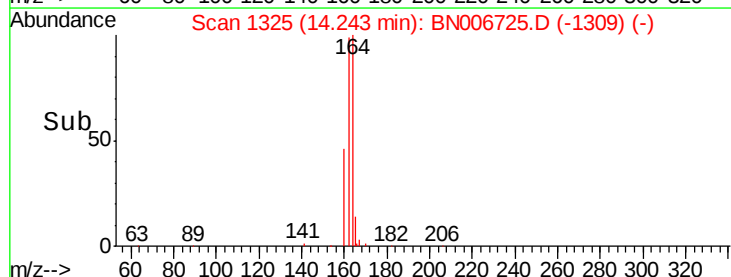
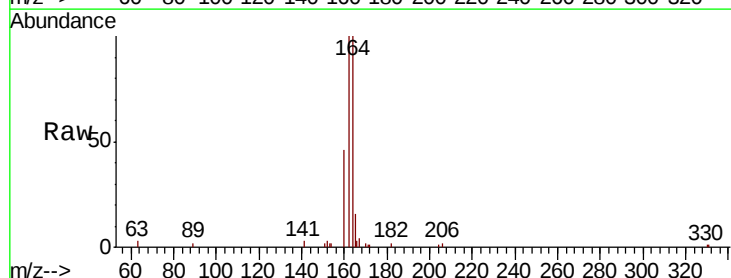
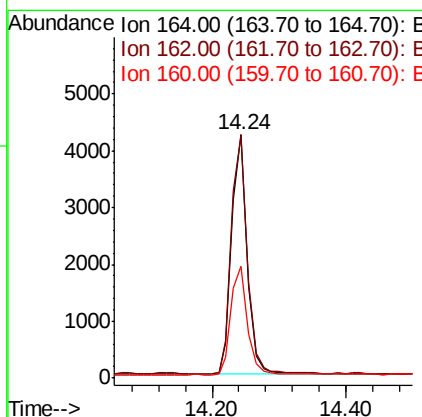
Manual Integrations  
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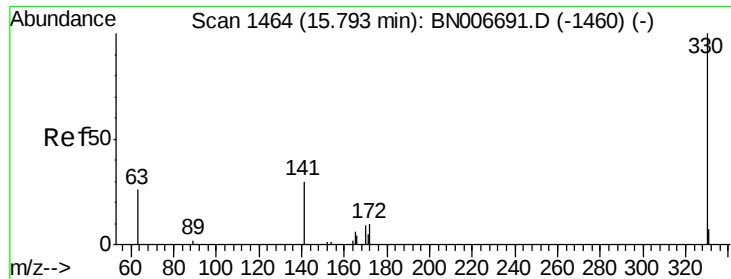
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.24 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.7  | 80.8  | 121.2 |
| 160     | 46.1  | 37.0  | 55.6  |





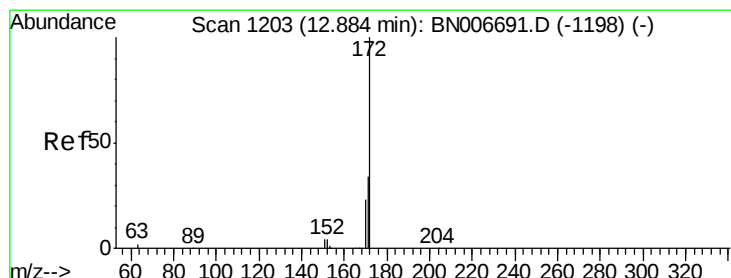
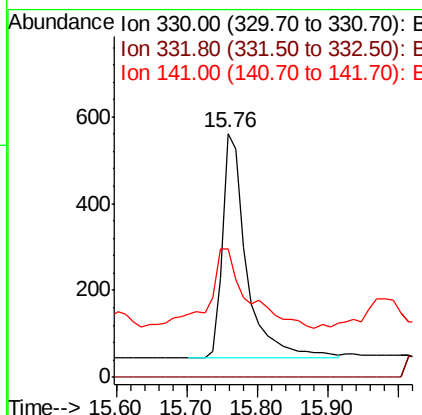
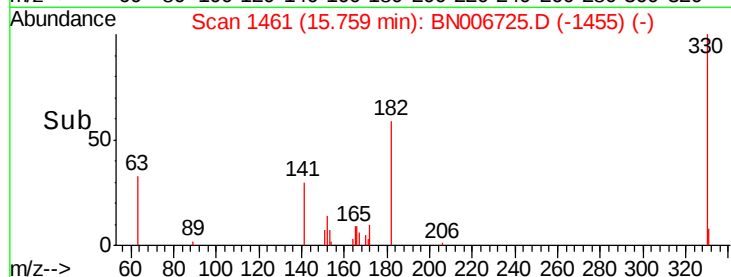
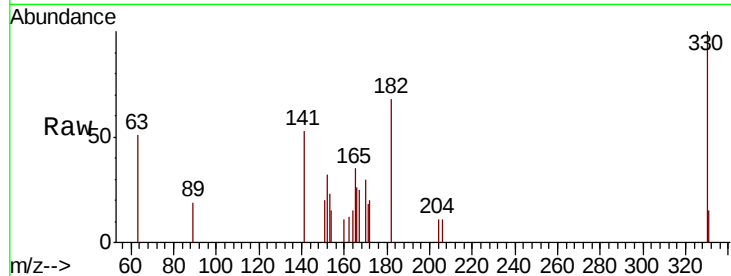
#14  
2,4,6-Tribromophenol  
Concen: 0.378 ng  
RT: 15.76 min Scan# 1461  
Delta R.T. -0.03 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 53.6  | 24.8  | 37.2  |

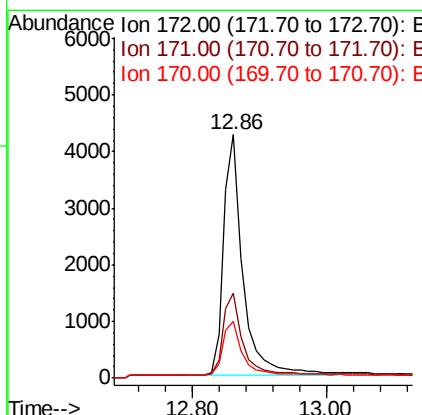
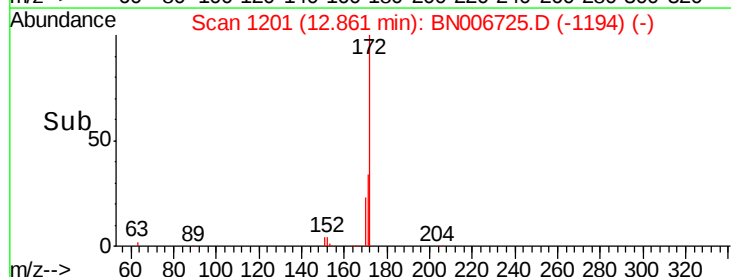
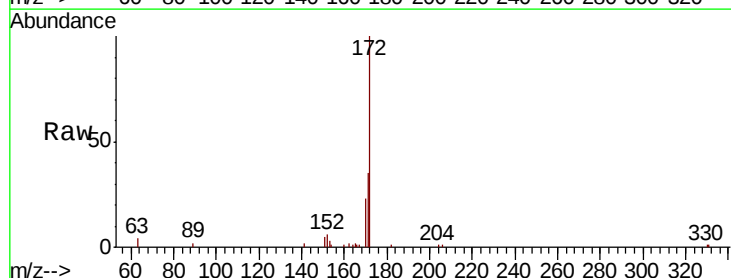
Manual Integrations  
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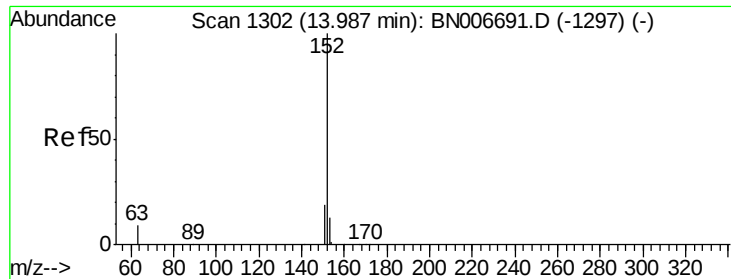
mohammad  
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#15  
2-Fluorobiphenyl  
Concen: 0.328 ng  
RT: 12.86 min Scan# 1201  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 27.8  | 41.6  |
| 170     | 23.4  | 18.9  | 28.3  |





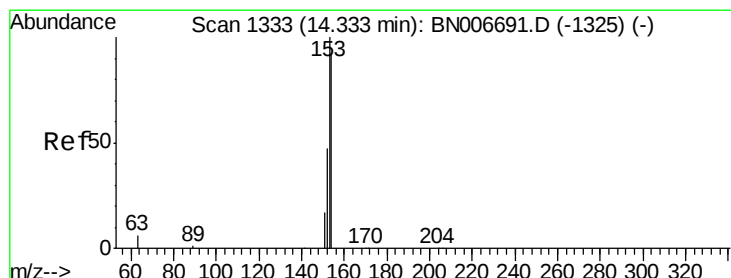
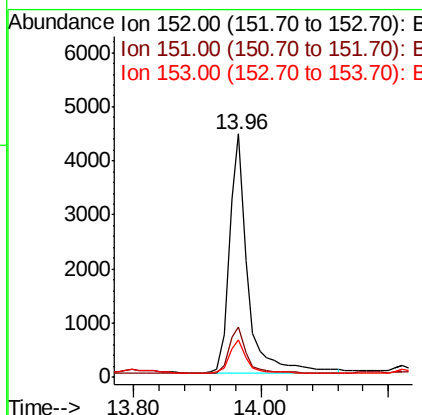
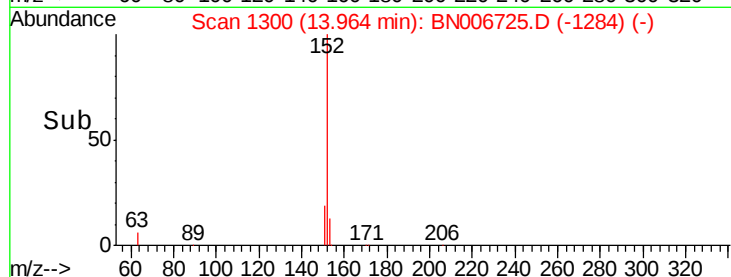
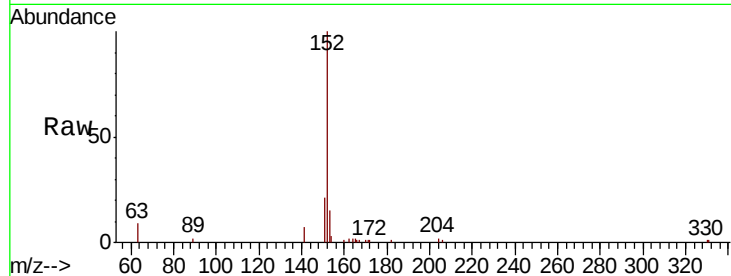
#16  
Acenaphthylene  
Concen: 0.259 ng  
RT: 13.96 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 15.7  | 23.5  |
| 153     | 13.5  | 10.6  | 15.8  |

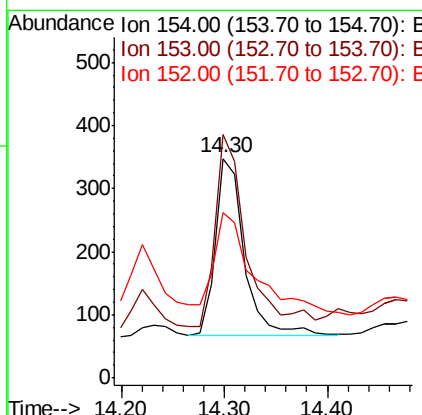
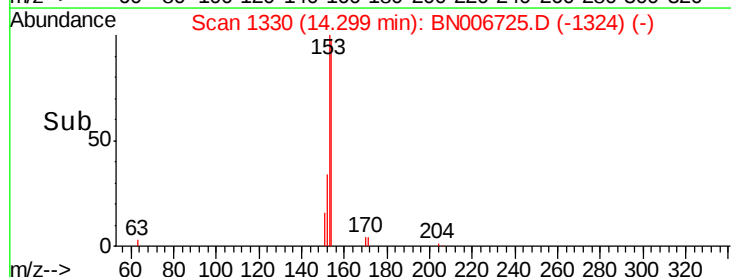
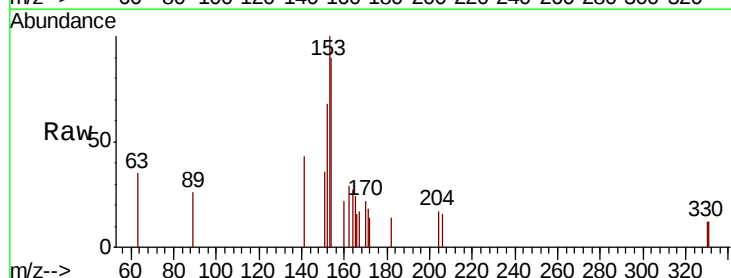
Manual Integrations  
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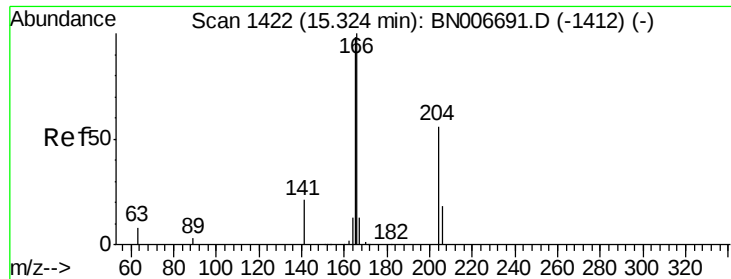
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#17  
Acenaphthene  
Concen: 0.025 ng  
RT: 14.30 min Scan# 1330  
Delta R.T. -0.03 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 118.2 | 88.9  | 133.3 |
| 152     | 81.2  | 42.8  | 64.2# |





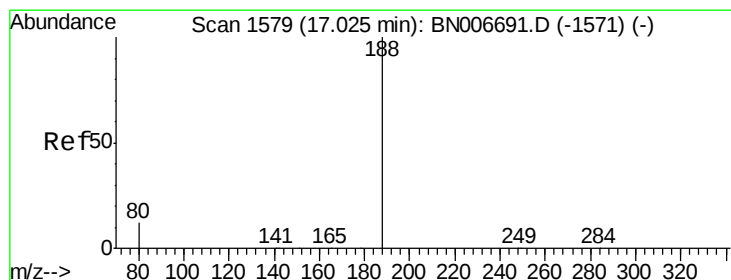
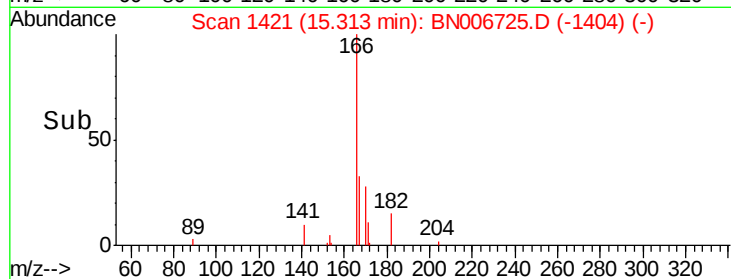
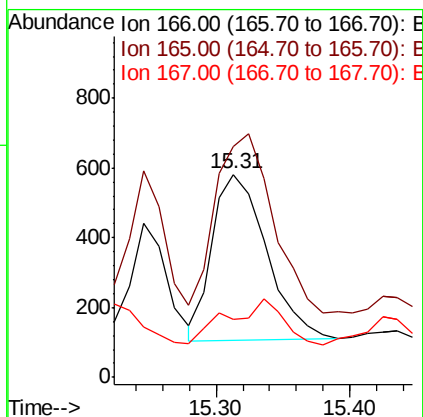
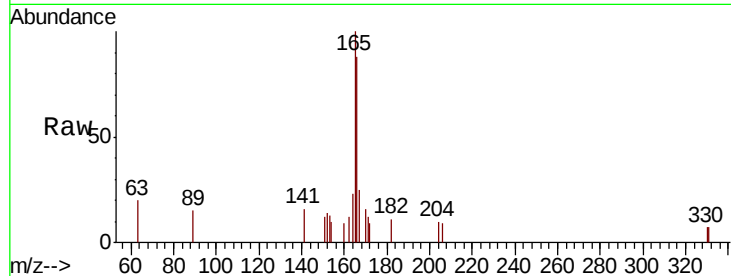
#18  
Fluorene  
Concen: 0.051 ng  
RT: 15.31 min Scan# 1421  
Delta R.T. -0.01 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 116.6 | 78.0  | 117.0 |
| 167     | 0.0   | 10.7  | 16.1# |

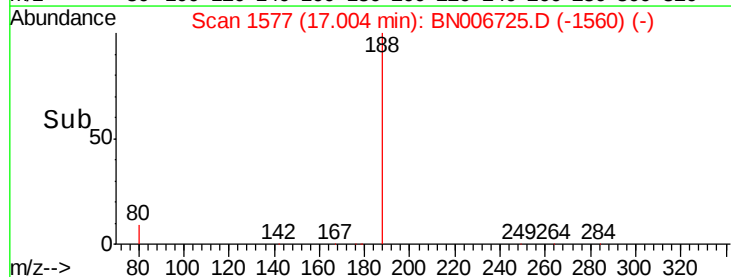
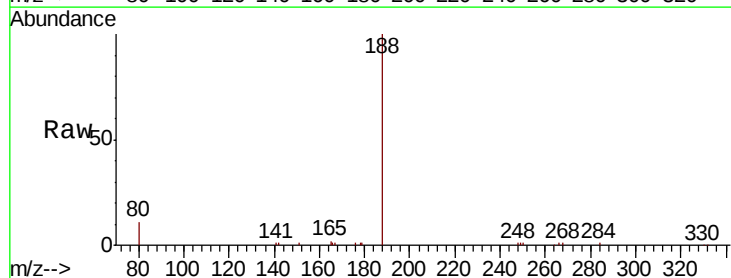
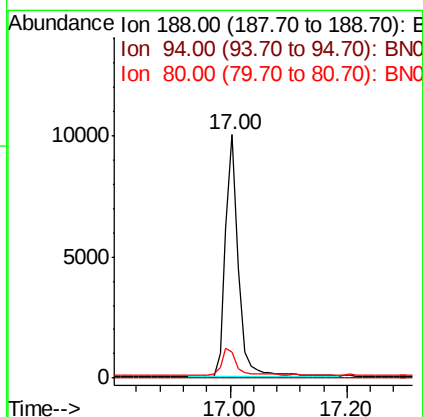
Manual Integrations  
APPROVED

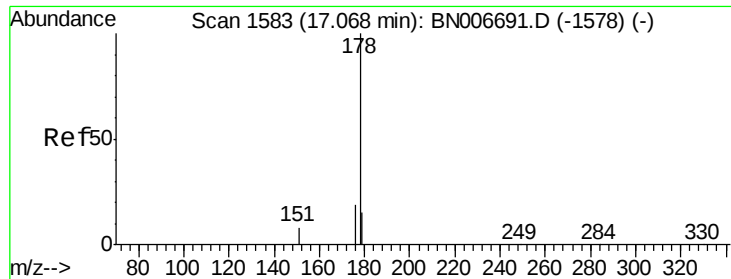
mohammad  
7/10/2019 8:26:58 AM



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.00 min Scan# 1577  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 10.6  | 10.3  | 15.5  |





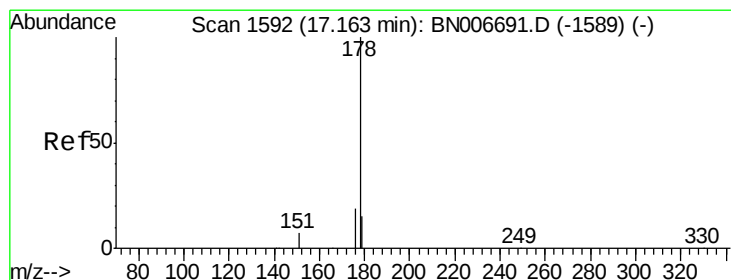
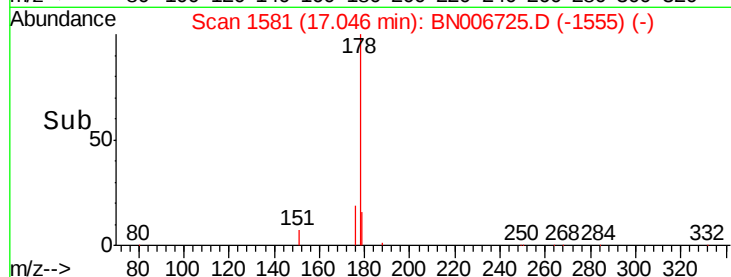
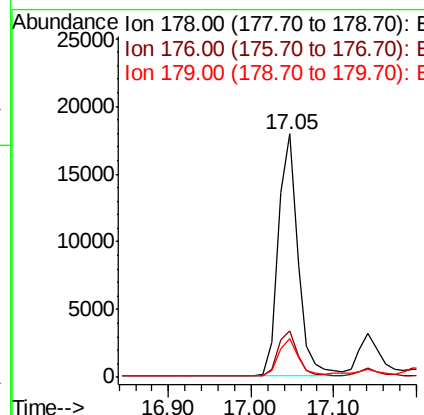
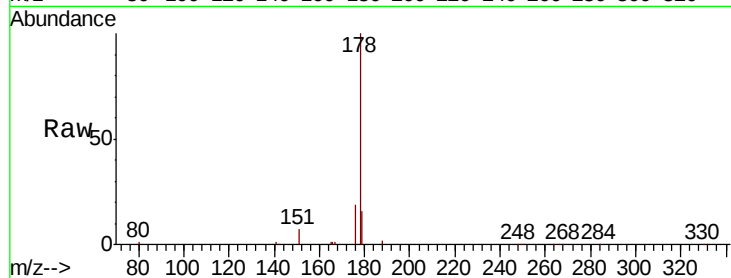
#23  
Phenanthrene  
Concen: 0.663 ng  
RT: 17.05 min Scan# 1581  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.3  | 22.9  |
| 179     | 15.8  | 12.4  | 18.6  |

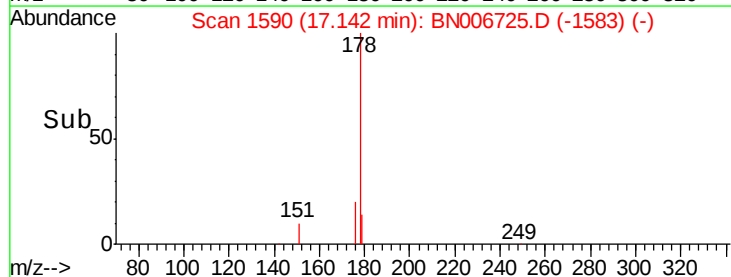
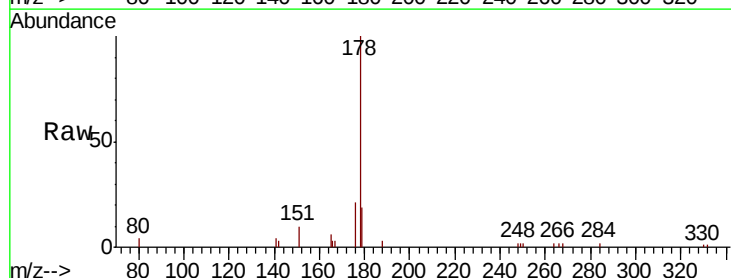
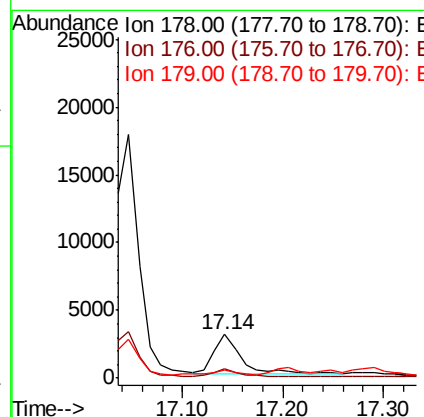
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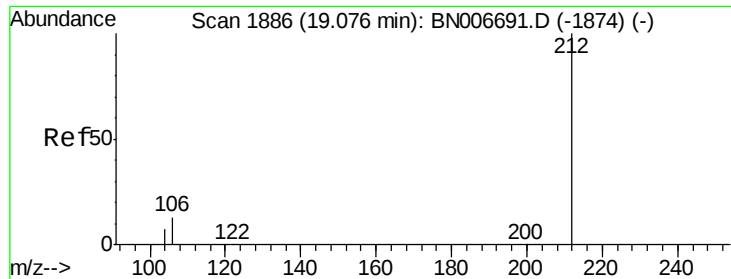
mohammad  
7/10/2019 8:26:58 AM



#24  
Anthracene  
Concen: 0.135 ng  
RT: 17.14 min Scan# 1590  
Delta R.T. -0.02 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.3  | 14.8  | 22.2  |
| 179     | 8.8   | 11.9  | 17.9# |





#25

Fluoranthene-d10

Concen: 0.296 ng

RT: 19.05 min Scan# 1880

Delta R.T. -0.03 min

Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

Instrument :

BNA\_N

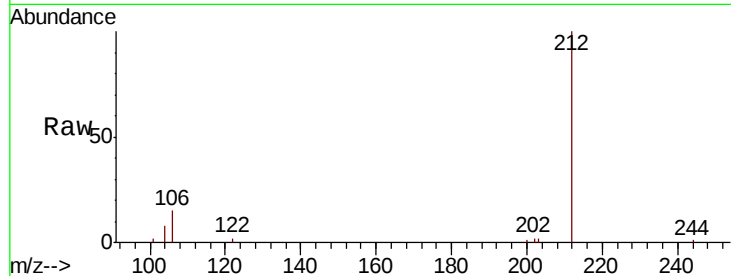
ClientSampleId :

EXT-012-SW139-062419

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 13138 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 14.3  | 11.0  | 16.6  |
| 104       | 7.4   | 6.1   | 9.1   |

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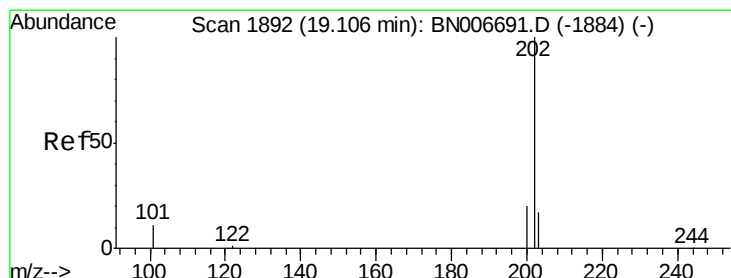
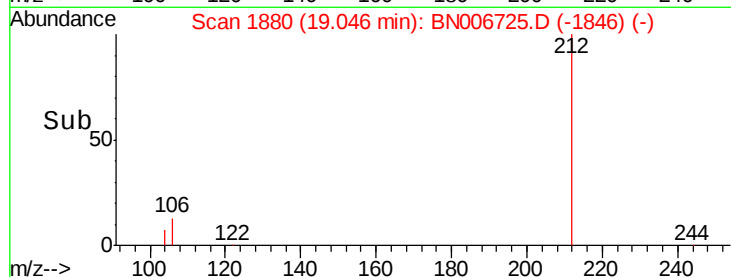
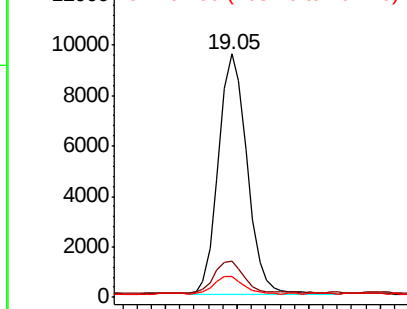


Abundance

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: 1.104 ng

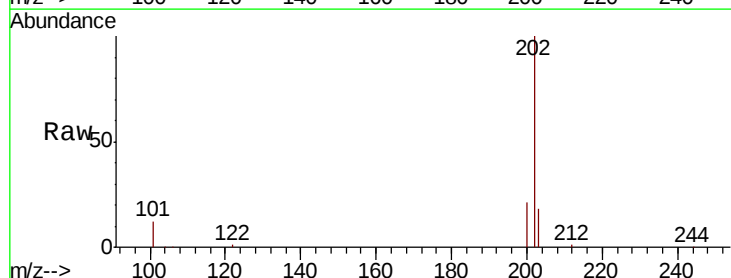
RT: 19.08 min Scan# 1886

Delta R.T. -0.03 min

Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 57937 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.6  | 8.7   | 13.1  |
| 203       | 17.8  | 13.8  | 20.6  |

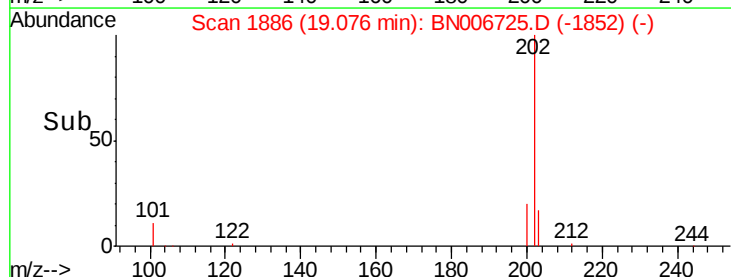
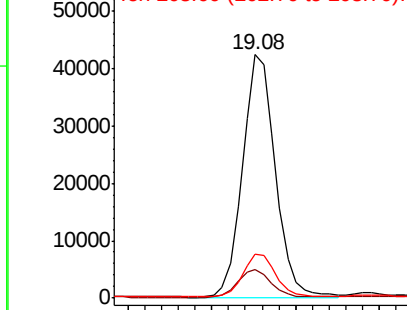


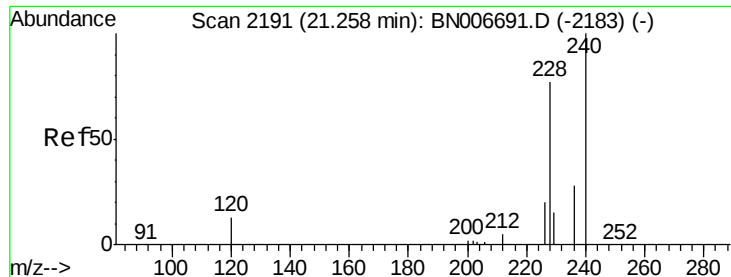
Abundance

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





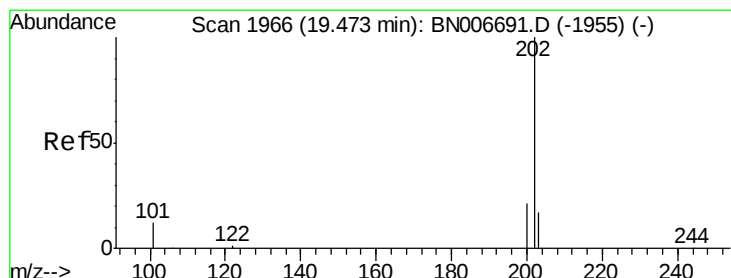
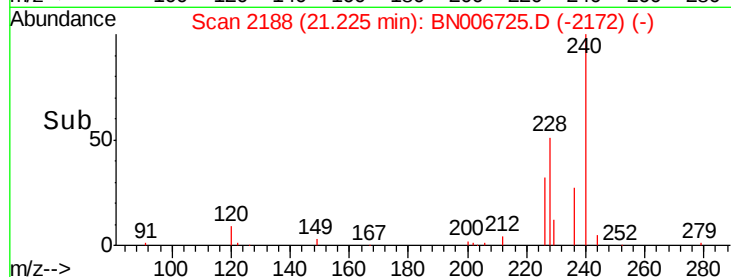
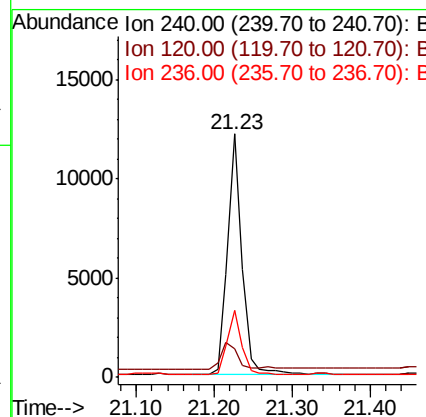
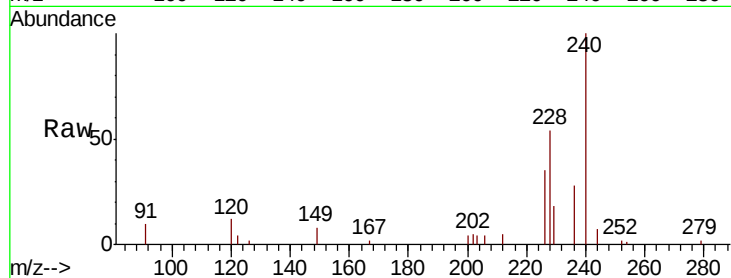
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.23 min Scan# 2188  
 Delta R.T. -0.03 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.7  | 12.9  | 19.3# |
| 236     | 27.6  | 23.2  | 34.8  |

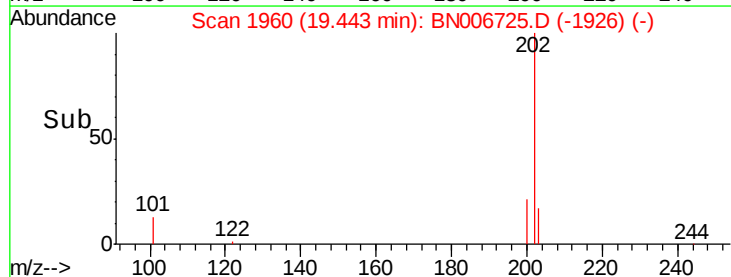
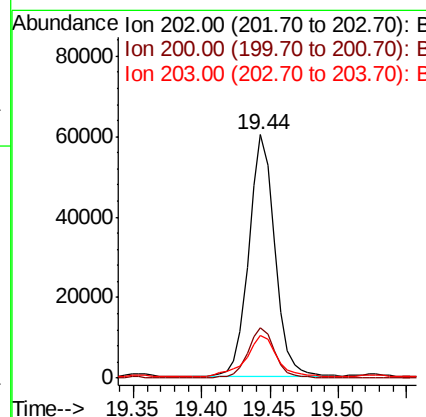
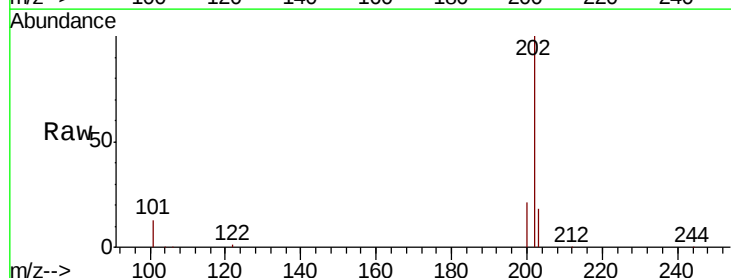
Manual Integrations  
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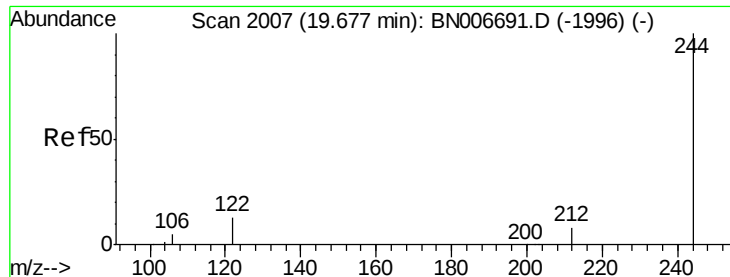
mohammad  
 7/10/2019 8:26:58 AM



#28  
 Pyrene  
 Concen: 1.281 ng  
 RT: 19.44 min Scan# 1960  
 Delta R.T. -0.03 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 16.8  | 25.2  |
| 203     | 20.2  | 14.2  | 21.2  |





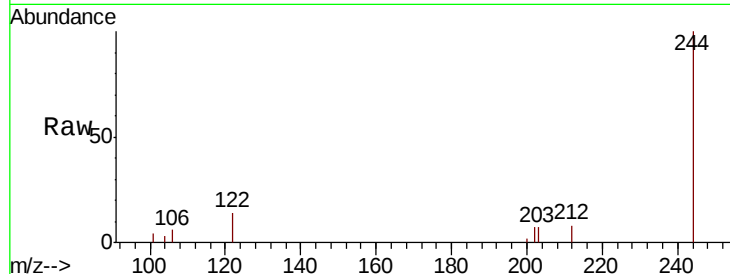
#29  
Terphenyl-d14  
Concen: 0.263 ng  
RT: 19.65 min Scan# 2002  
Delta R.T. -0.03 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.4   | 7.0   | 10.4  |
| 122     | 14.0  | 11.5  | 17.3  |

Manual Integrations  
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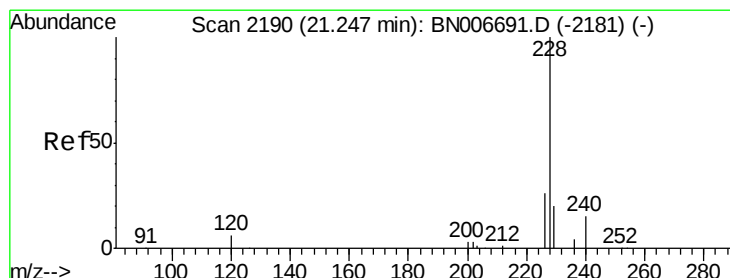
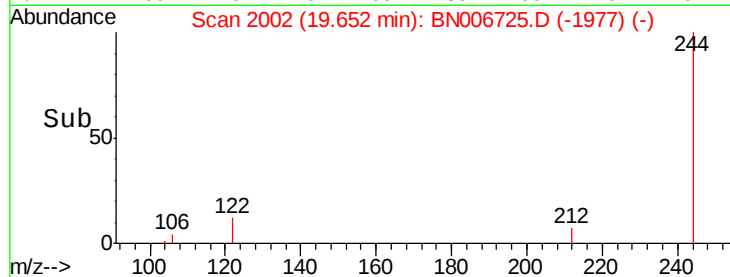
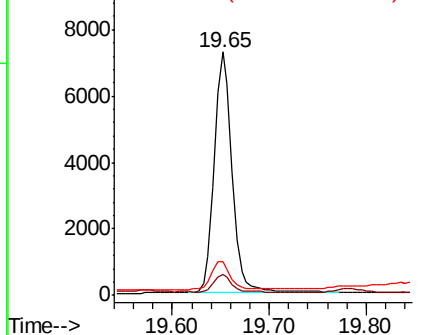


Abundance

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: 0.671 ng  
RT: 21.20 min Scan# 2186  
Delta R.T. -0.04 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

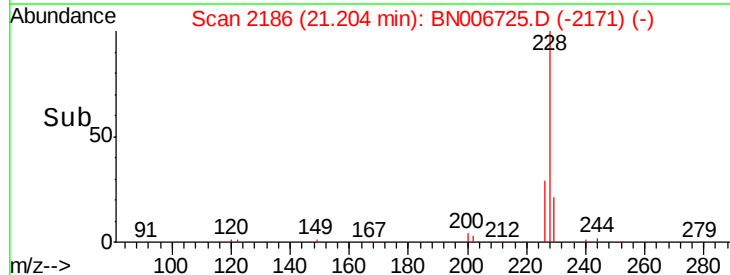
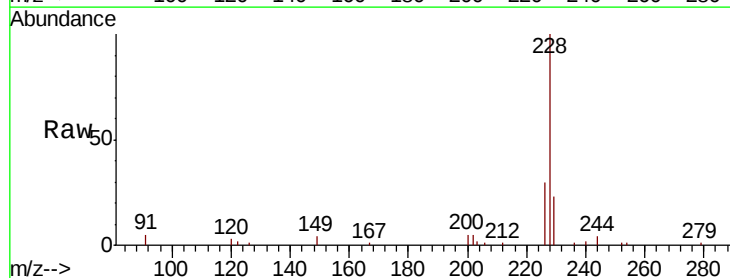
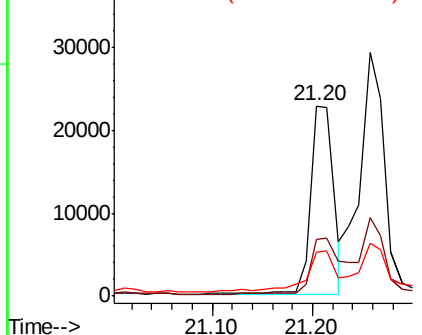
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 21.5  | 32.3  |
| 229     | 22.9  | 16.2  | 24.4  |

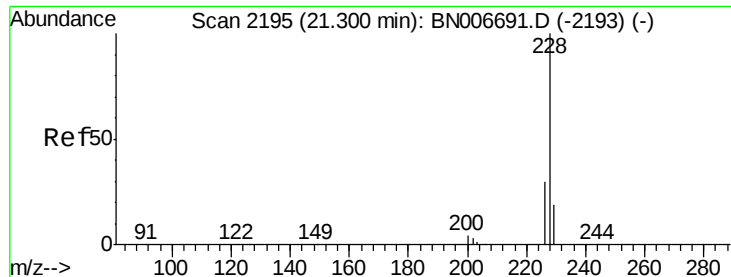
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





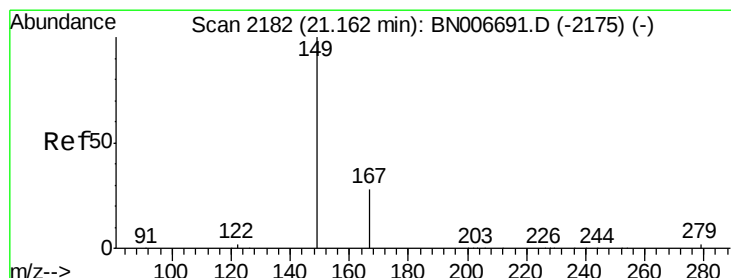
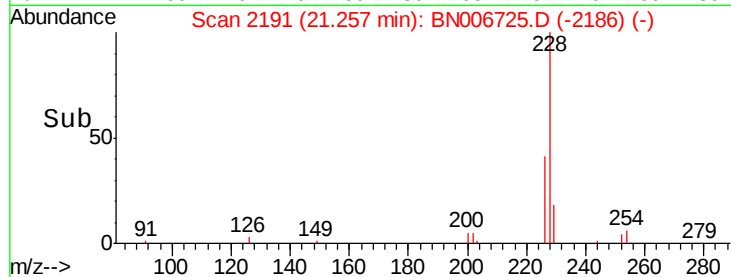
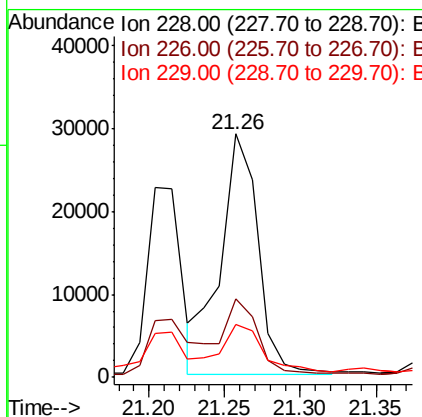
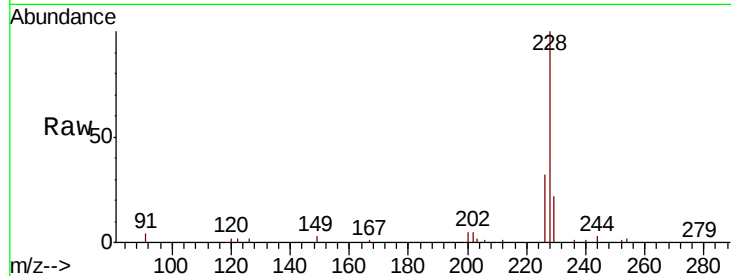
#31  
 Chrysene  
 Concen: 0.902 ng/ml  
 RT: 21.26 min Scan# 2191  
 Delta R.T. -0.04 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-012-SW139-062419

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 50151 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.2  | 24.2  | 36.2  |
| 229       | 21.8  | 15.8  | 23.6  |

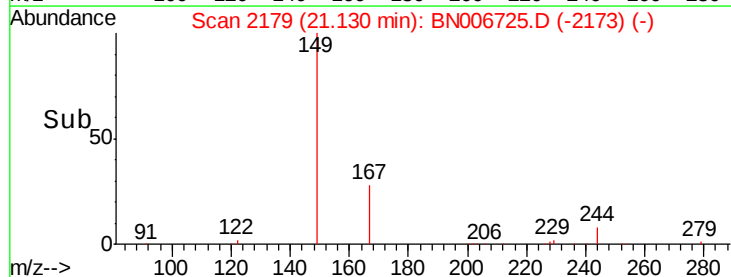
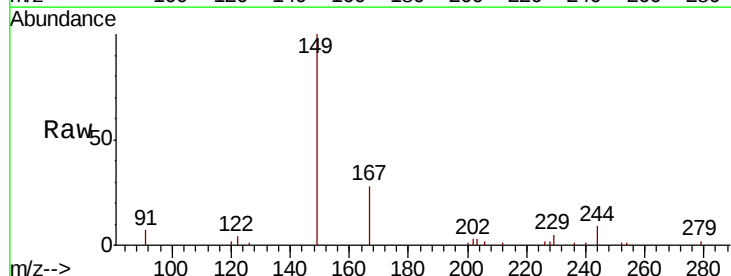
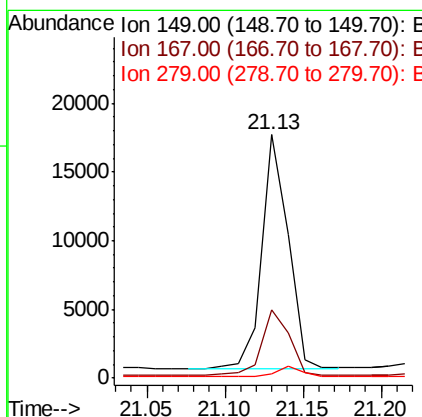
Manual Integrations  
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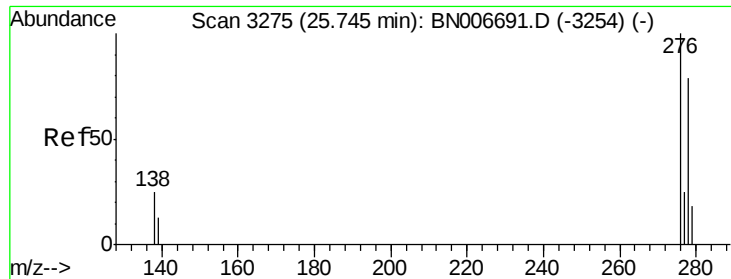
mohammad  
 7/10/2019 8:26:58 AM



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.123 ng/ml  
 RT: 21.13 min Scan# 2179  
 Delta R.T. -0.03 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 19852 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.7  | 22.9  | 34.3  |
| 279       | 4.1   | 3.2   | 4.8   |





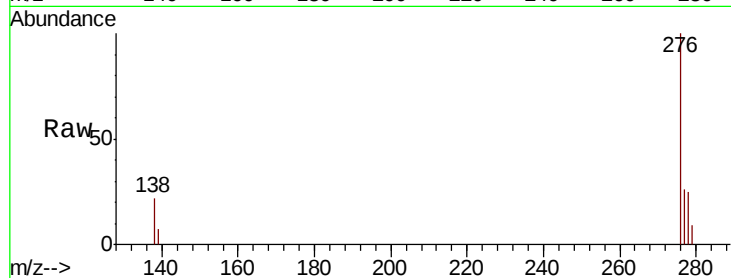
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.368 ng  
 RT: 25.67 min Scan# 3254  
 Delta R.T. -0.07 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.0  | 19.5  | 29.3  |
| 277     | 23.8  | 19.7  | 29.5  |

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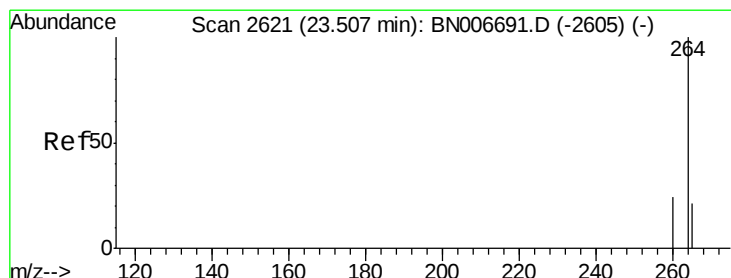
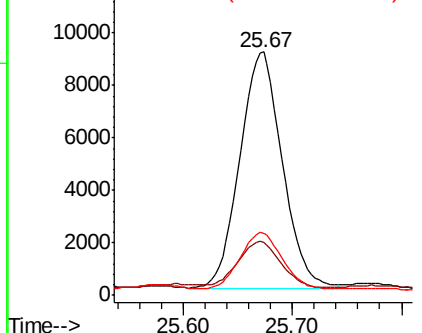
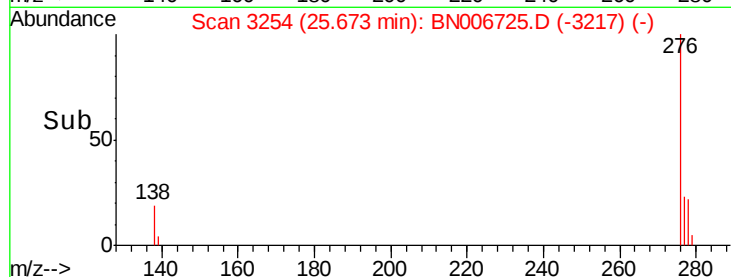


Abundance

Ion 276.00 (275.70 to 276.70): E

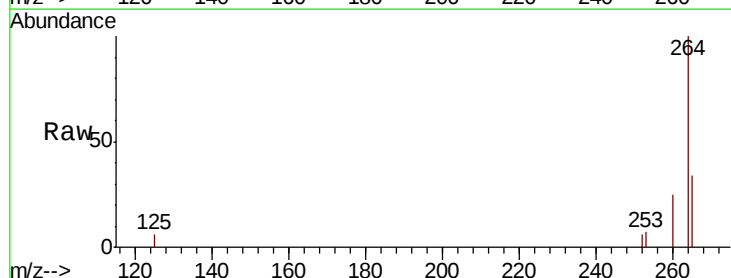
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.45 min Scan# 2604  
 Delta R.T. -0.06 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 20.2  | 30.2  |
| 265     | 34.4  | 33.7  | 50.5  |

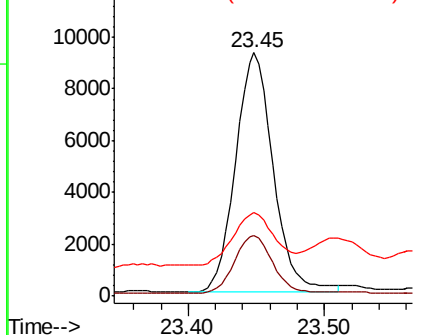
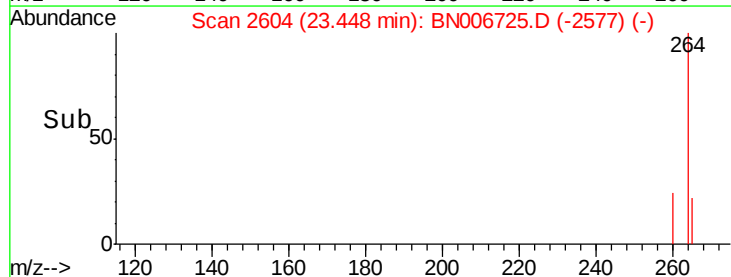


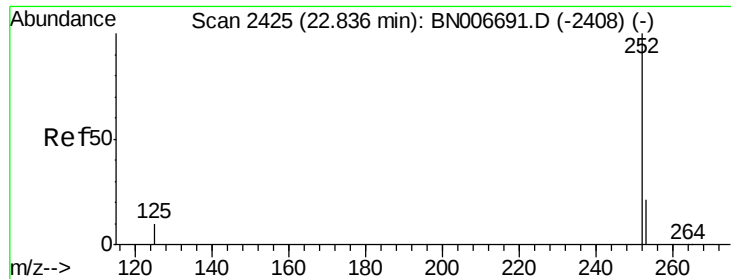
Abundance

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





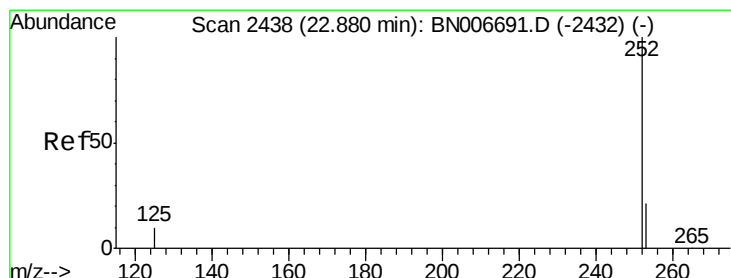
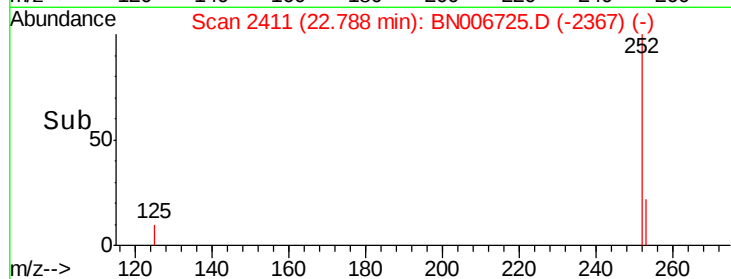
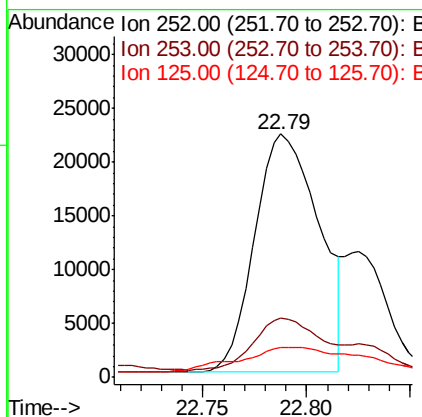
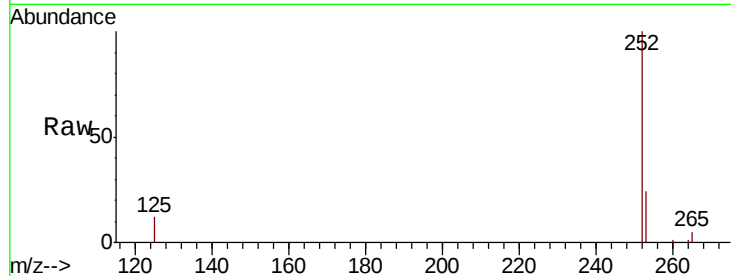
#35  
Benzo(b)fluoranthene  
Concen: 0.839 ng  
RT: 22.79 min Scan# 2411  
Delta R.T. -0.05 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-012-SW139-062419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 20.2  | 30.2  |
| 125     | 12.0  | 11.5  | 17.3  |

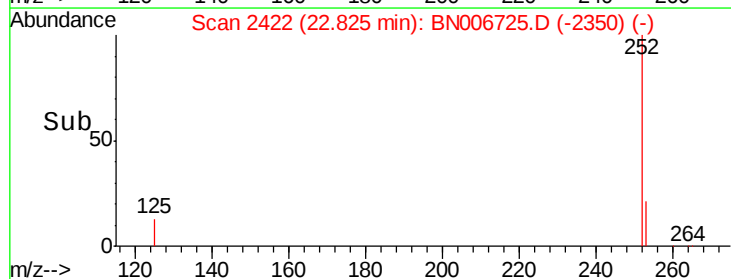
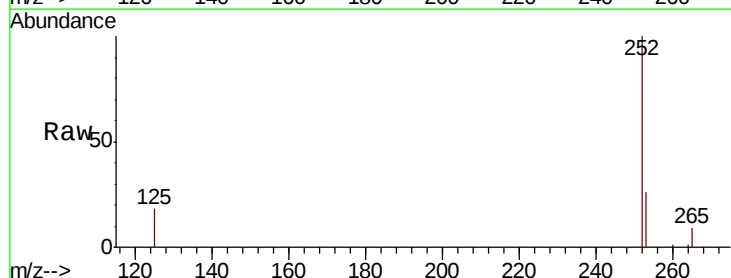
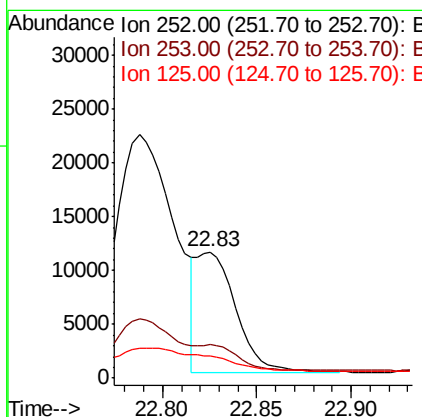
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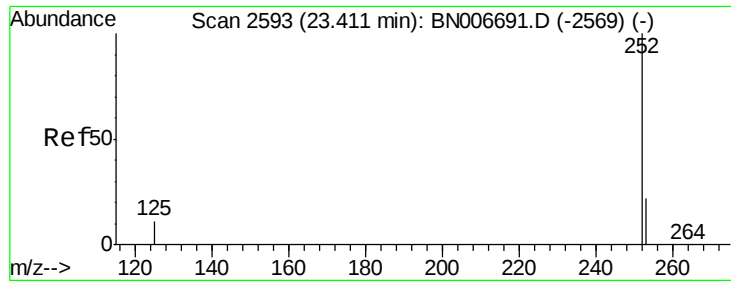
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#36  
Benzo(k)fluoranthene  
Concen: 0.268 ng m  
RT: 22.83 min Scan# 2422  
Delta R.T. -0.06 min  
Lab File: BN006725.D  
Acq: 05 Jul 2019 20:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.3  | 20.1  | 30.1  |
| 125     | 17.7  | 11.4  | 17.0  |





#37

Benzo(a)pyrene

Concen: 0.664 ng/mL

RT: 23.35 min Scan# 2576

Delta R.T. -0.06 min

Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

Instrument :

BNA\_N

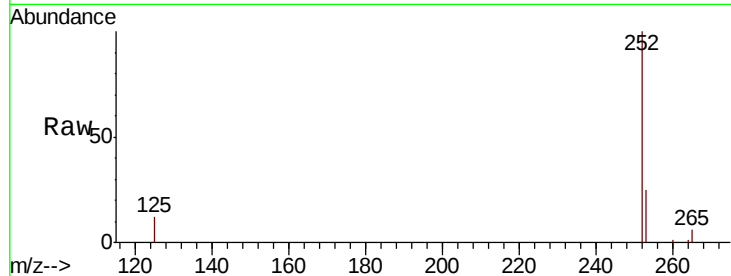
ClientSampleId :

EXT-012-SW139-062419

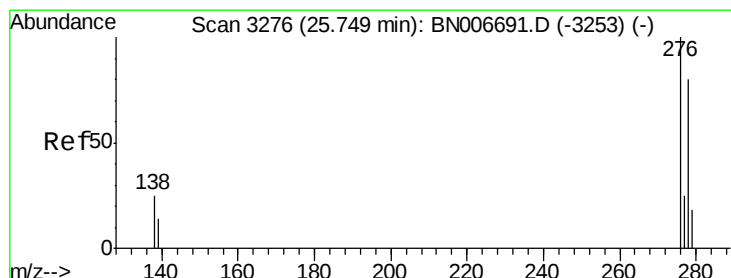
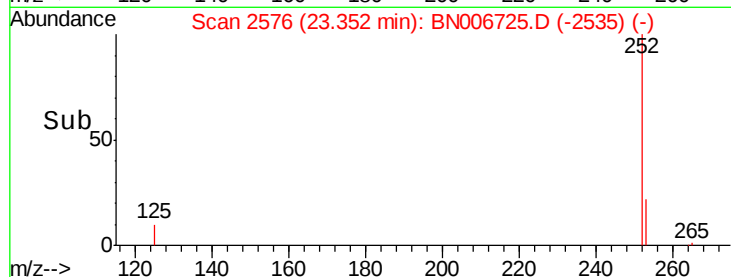
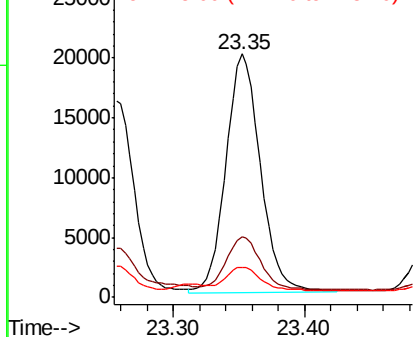
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 36639 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.7  | 21.4  | 32.2  |
| 125       | 12.5  | 13.3  | 19.9# |

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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: 0.133 ng/mL

RT: 25.67 min Scan# 3253

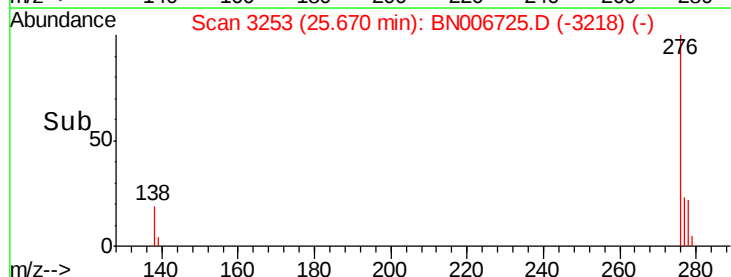
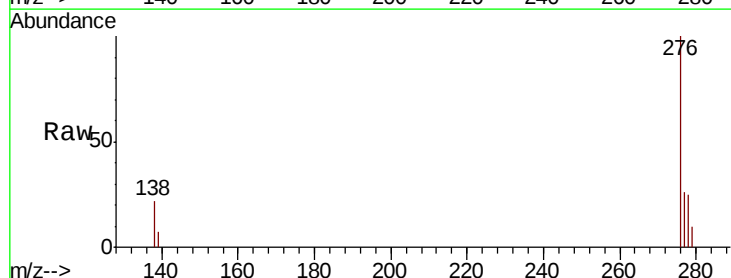
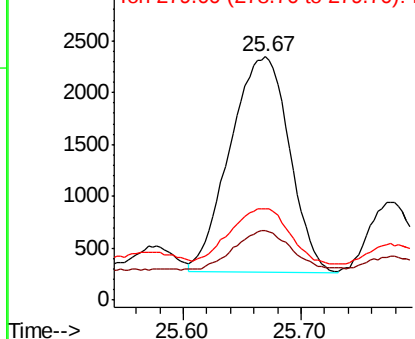
Delta R.T. -0.08 min

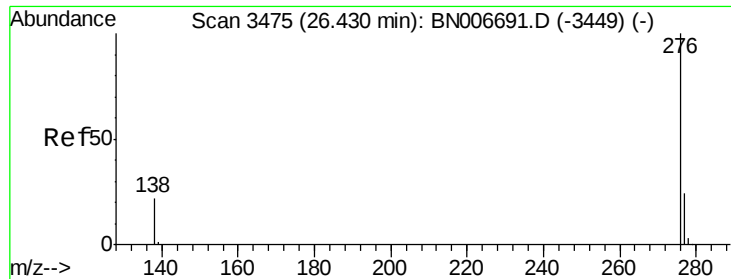
Lab File: BN006725.D

Acq: 05 Jul 2019 20:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 7282  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 28.5  | 16.2  | 24.4# |
| 279       | 37.6  | 20.7  | 31.1# |

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





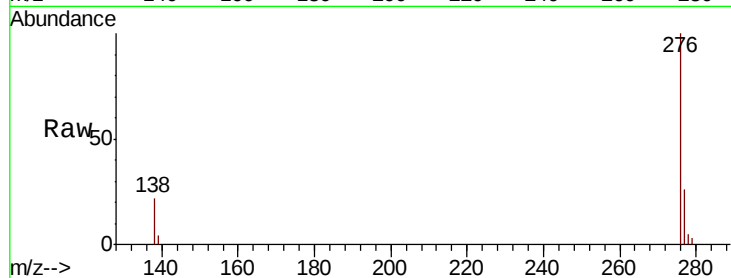
#39  
 Benzo(a,h,i)perylene  
 Concen: 0.472 ng  
 RT: 26.35 min Scan# 3451  
 Delta R.T. -0.08 min  
 Lab File: BN006725.D  
 Acq: 05 Jul 2019 20:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-012-SW139-062419

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 26604 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.6  | 20.6  | 30.8  |
| 138       | 22.4  | 19.7  | 29.5  |

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

