

Data File : BN007208.D  
Acq On : 15 Aug 2019 22:10  
Operator : HP/JU  
Sample : K4239-14DL 50X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-034-SW093-080519DL

Manual Integrations  
APPROVED

Jagrut  
8/16/2019 6:11:54 PM

Quant Time: Aug 16 07:39:47 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 12:12:02 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 7032     | 0.40 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.19 | 136  | 27341    | 0.40 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.07 | 164  | 15606    | 0.40 | ng    | -0.01    |
| 18) Phenanthrene-d10      | 16.82 | 188  | 36797    | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.05 | 240  | 37272    | 0.40 | ng    | -0.01    |
| 32) Perylene-d12          | 23.16 | 264  | 41117    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 3) 2-Fluorophenol           | 5.05  | 112  | 148      | 0.01 | ng    | 0.00     |
| 4) Phenol-d6                | 6.61  | 99   | 163      | 0.01 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.55  | 82   | 151      | 0.01 | ng    | -0.01    |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152  | 243      | 0.00 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.57 | 330  | 36       | 0.00 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.71 | 172  | 212      | 0.01 | ng    | 0.00     |
| 24) Fluoranthene-d10        | 18.78 | 212  | 1136     | 0.01 | ng    | -0.09    |
| 28) Terphenyl-d14           | 19.48 | 244  | 817      | 0.01 | ng    | -0.02    |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 8) Naphthalene             | 10.22 | 128  | 5458     | 0.071 | ng    | # 95   |
| 11) 2-Methylnaphthalene    | 11.86 | 142  | 6666     | 0.123 | ng    | 95     |
| 15) Acenaphthylene         | 13.79 | 152  | 39076    | 0.479 | ng    | 99     |
| 16) Acenaphthene           | 14.13 | 154  | 6234     | 0.119 | ng    | 92     |
| 17) Fluorene               | 15.12 | 166  | 12665    | 0.162 | ng    | # 84   |
| 22) Phenanthrene           | 16.87 | 178  | 342320   | 3.104 | ng    | 100    |
| 23) Anthracene             | 16.95 | 178  | 47378    | 0.470 | ng    | 98     |
| 25) Fluoranthene           | 18.90 | 202  | 406110   | 2.879 | ng    | 99     |
| 27) Pyrene                 | 19.26 | 202  | 664977   | 5.087 | ng    | 97     |
| 29) Benzo(a)anthracene     | 21.02 | 228  | 273591   | 2.007 | ng    | 94     |
| 30) Chrysene               | 21.08 | 228  | 321245   | 2.426 | ng    | 98     |
| 31) Indeno(1,2,3-cd)pyrene | 25.23 | 276  | 127910   | 0.876 | ng    | 99     |
| 33) Benzo(b)fluoranthene   | 22.54 | 252  | 280033m  | 1.986 | ng    |        |
| 34) Benzo(k)fluoranthene   | 22.57 | 252  | 73441m   | 0.527 | ng    |        |
| 35) Benzo(a)pyrene         | 23.07 | 252  | 221796   | 1.735 | ng    | 99     |
| 36) Dibenzo(a,h)anthracene | 25.24 | 278  | 40626    | 0.319 | ng    | # 87   |
| 37) Benzo(g,h,i)perylene   | 25.86 | 276  | 156410   | 1.192 | ng    | 99     |

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

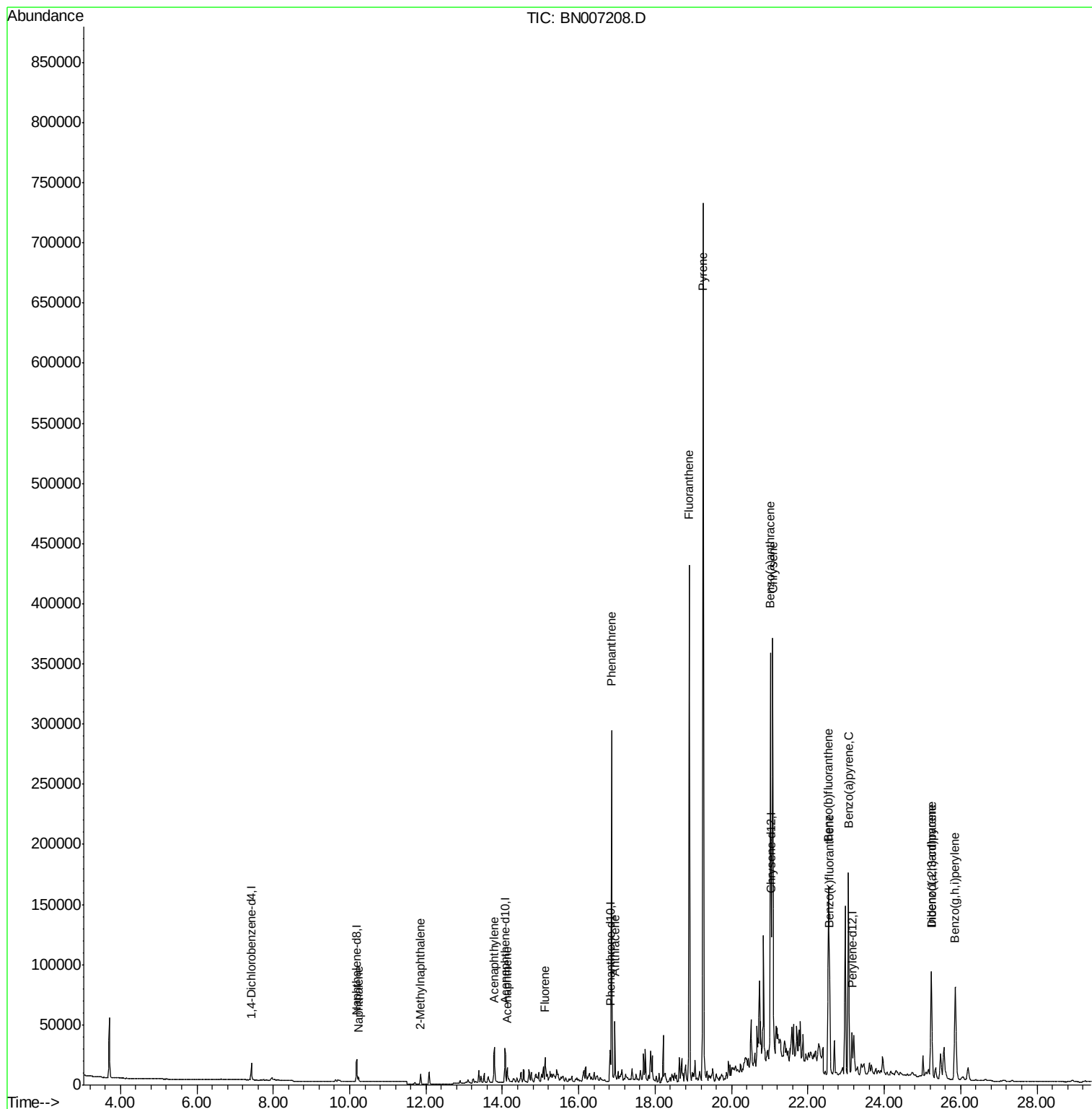
Data File : BN007208.D  
Acq On : 15 Aug 2019 22:10  
Operator : HP/JU  
Sample : K4239-14DL 50X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

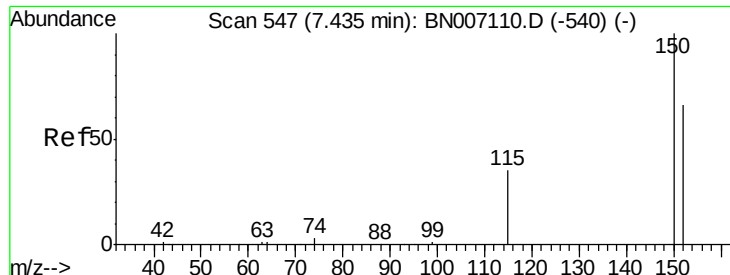
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-034-SW093-080519DL

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Quant Time: Aug 16 07:39:47 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 12:12:02 2019  
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#1

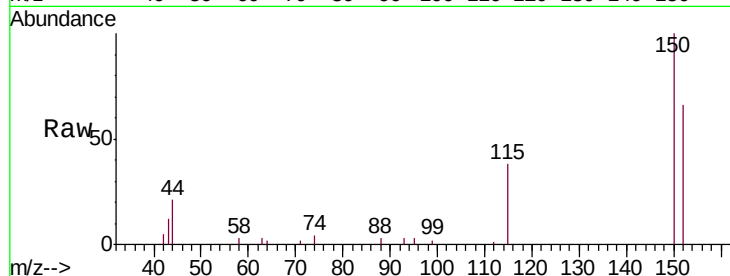
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.43 min Scan# 546  
Delta R.T. -0.01 min  
Lab File: BN007208.D  
Acq: 15 Aug 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-034-SW093-080519DL

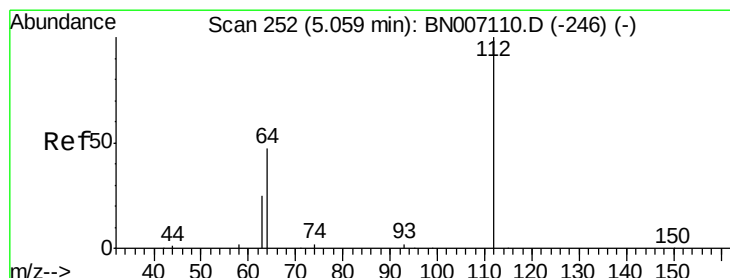
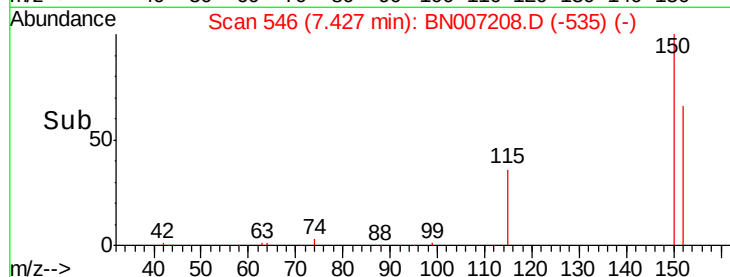
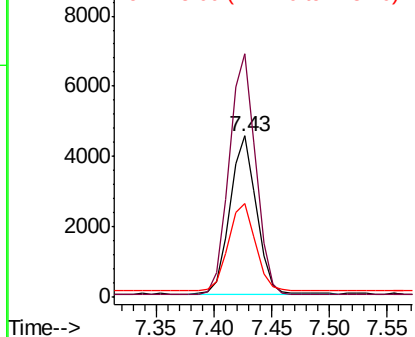
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.6 | 121.7 | 182.5 |
| 115     | 58.0  | 46.2  | 69.4  |

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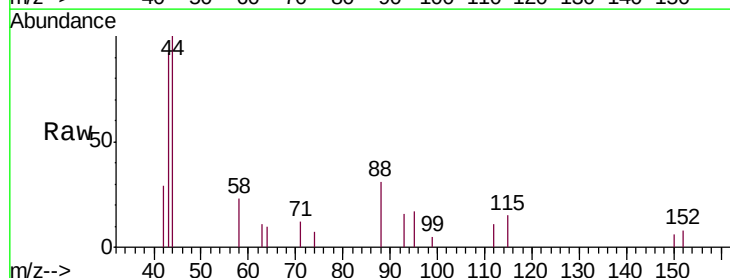
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



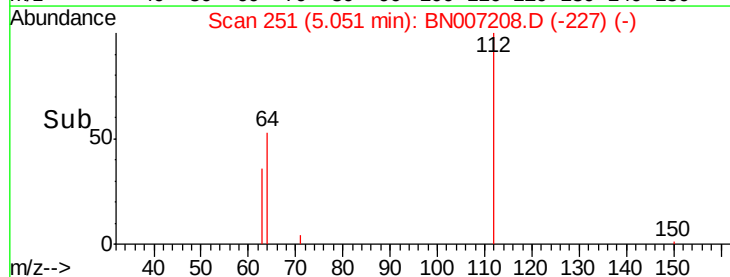
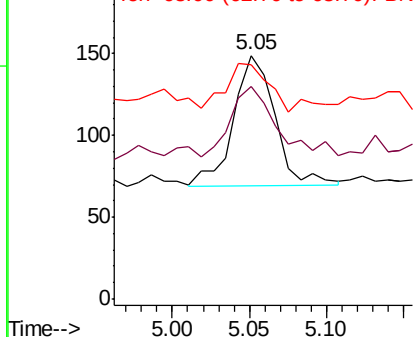
#3

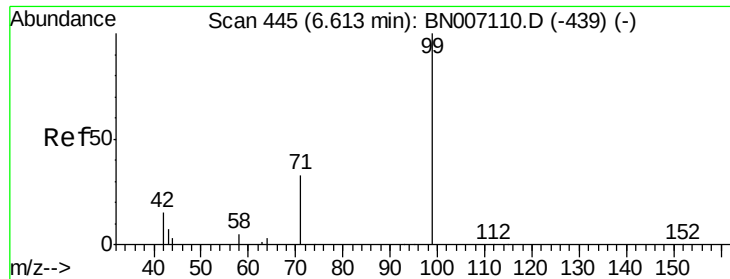
2-Fluorophenol  
Concen: 0.009 ng  
RT: 5.05 min Scan# 251  
Delta R.T. -0.01 min  
Lab File: BN007208.D  
Acq: 15 Aug 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.2  | 42.6  | 63.8# |
| 63      | 38.5  | 22.2  | 33.2# |



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





#4

Phenol-d6

Concen: 0.008 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

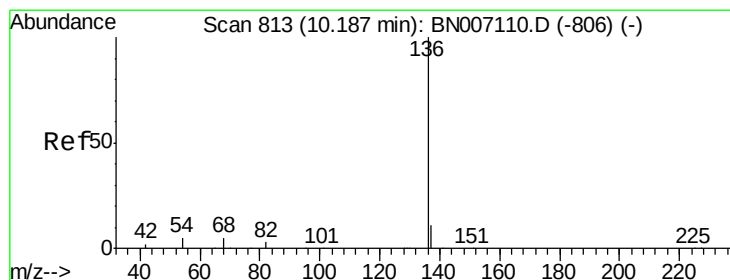
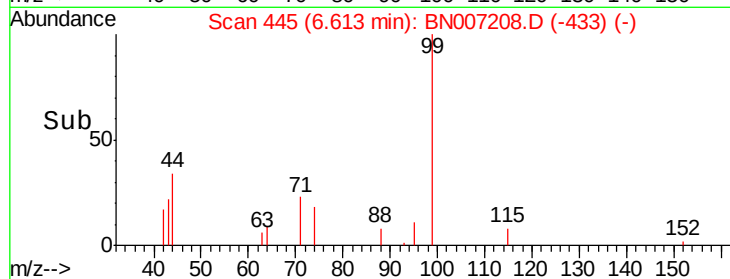
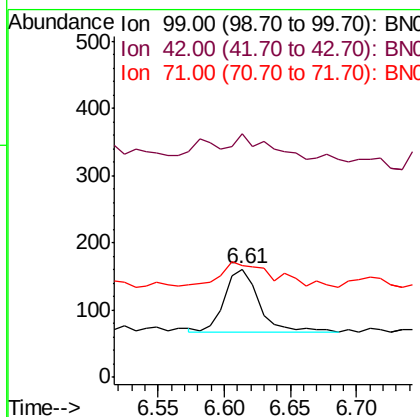
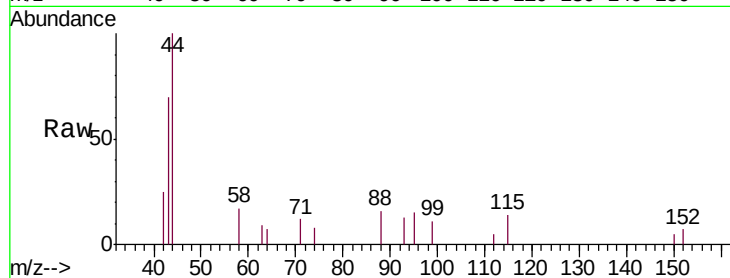
ClientSampleId :

EXT-034-SW093-080519DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 163   |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 42.3  | 15.8  | 23.6# |
| 71        | 68.1  | 27.0  | 40.4# |

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#6

Naphthalene-d8

Concen: 0.400 ng

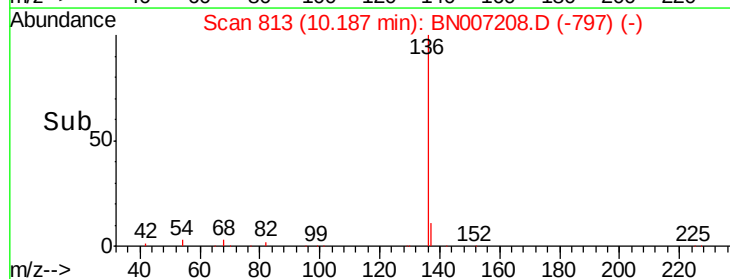
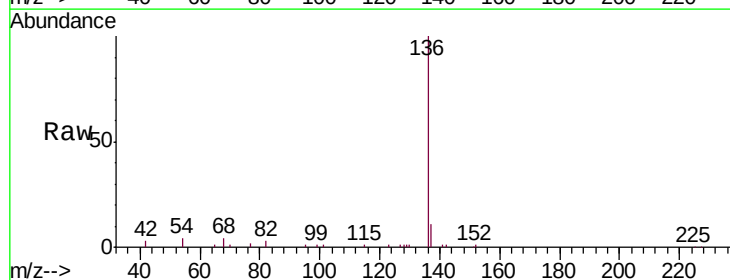
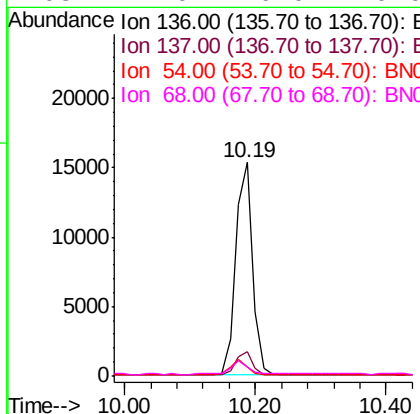
RT: 10.19 min Scan# 813

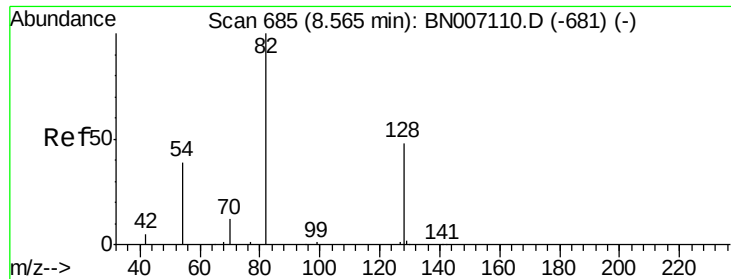
Delta R.T. -0.00 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 27341 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.4   | 14.0  |
| 54        | 4.3   | 6.6   | 9.8#  |
| 68        | 4.0   | 6.0   | 9.0#  |





#7

Nitrobenzene-d5

Concen: 0.007 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

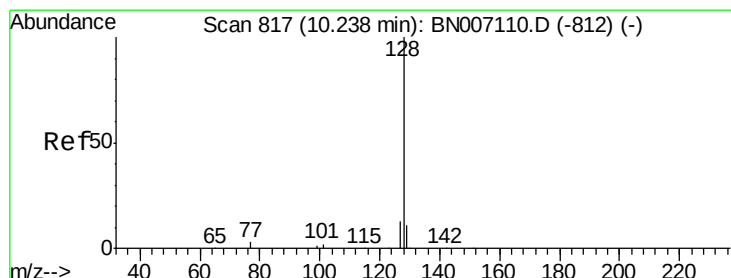
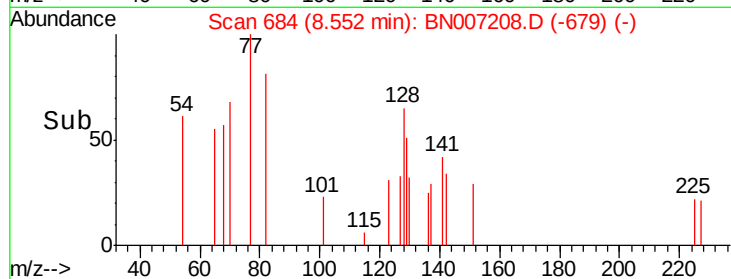
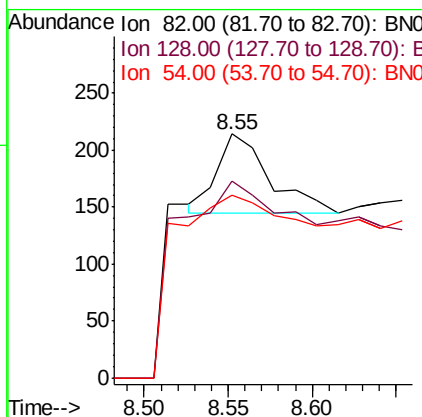
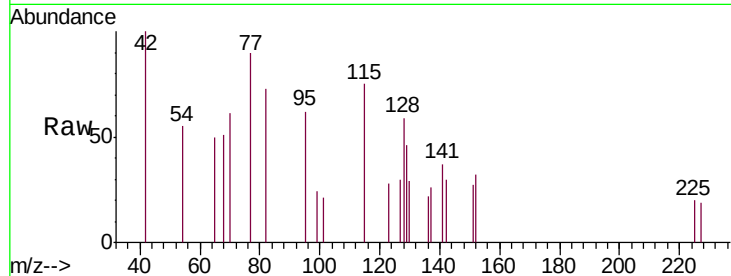
ClientSampleId :

EXT-034-SW093-080519DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 151   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 80.8  | 34.6  | 51.8# |
| 54        | 75.2  | 36.2  | 54.4# |

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#8

Naphthalene

Concen: 0.071 ng

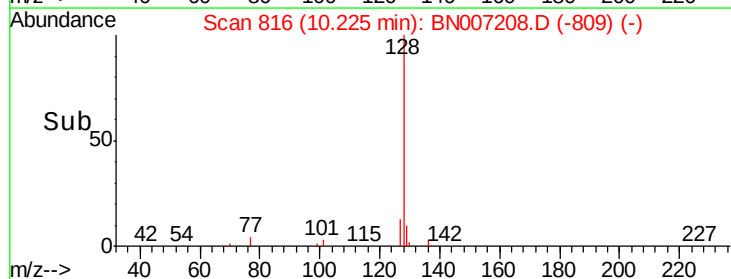
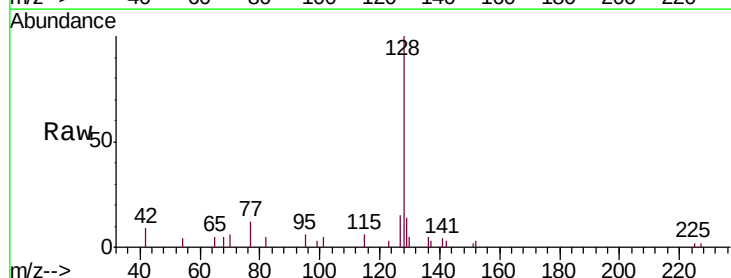
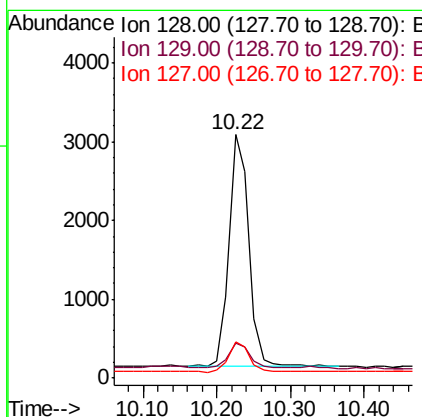
RT: 10.22 min Scan# 816

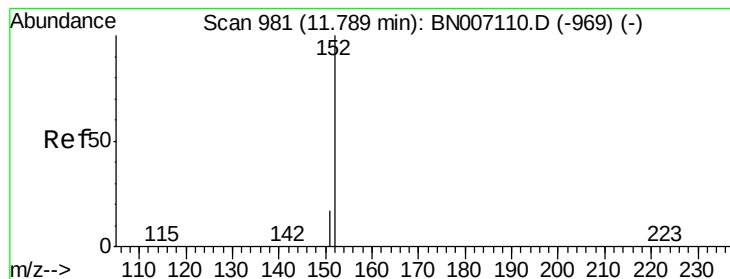
Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 5458  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 14.5  | 9.4   | 14.2# |
| 127       | 15.1  | 11.0  | 16.6  |





#10

2-Methylnaphthalene-d10

Concen: 0.005 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

ClientSampleId :

EXT-034-SW093-080519DL

Tgt Ion:152 Resp: 243

Ion Ratio Lower Upper

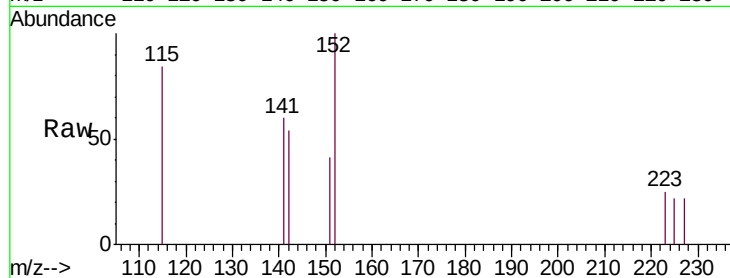
152 100

151 19.8 15.5 23.3

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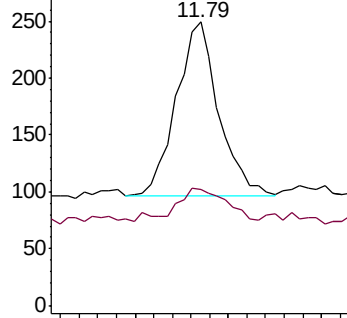
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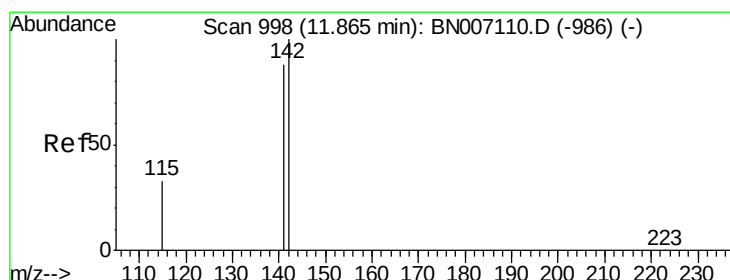
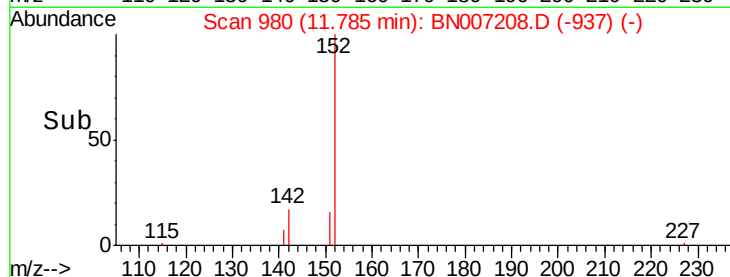


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#11

2-Methylnaphthalene

Concen: 0.123 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

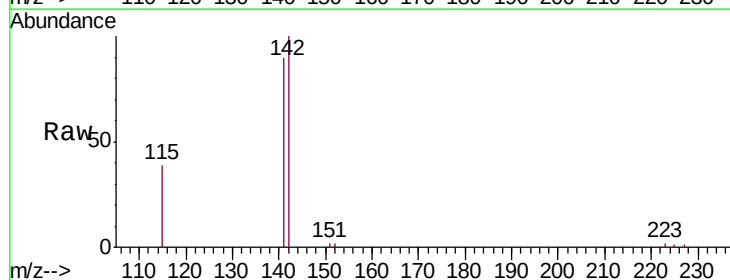
Tgt Ion:142 Resp: 6666

Ion Ratio Lower Upper

142 100

141 89.8 69.0 103.6

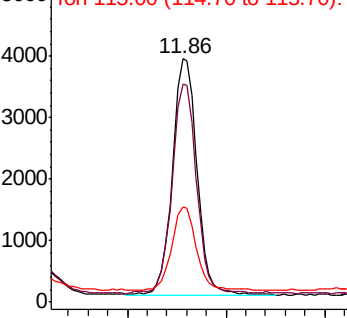
115 39.1 27.1 40.7



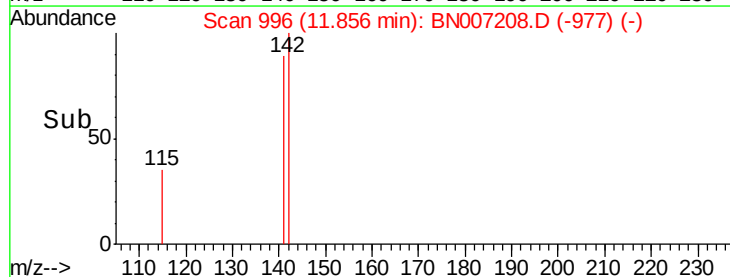
Abundance Ion 142.00 (141.70 to 142.70): E

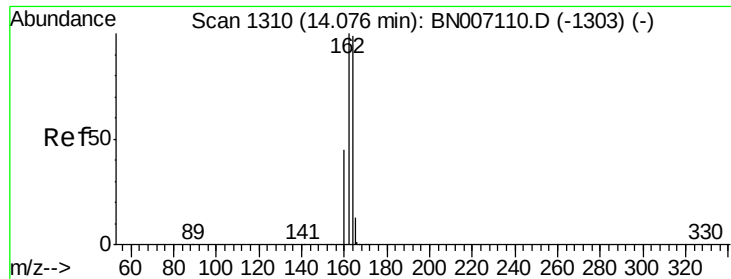
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

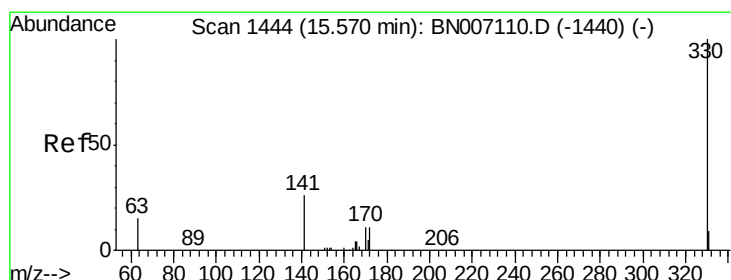
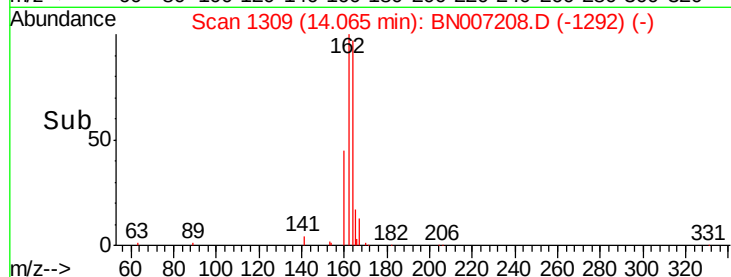
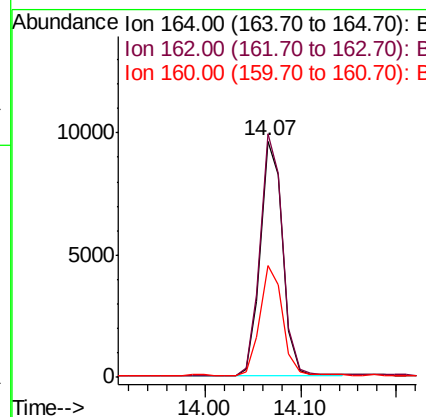
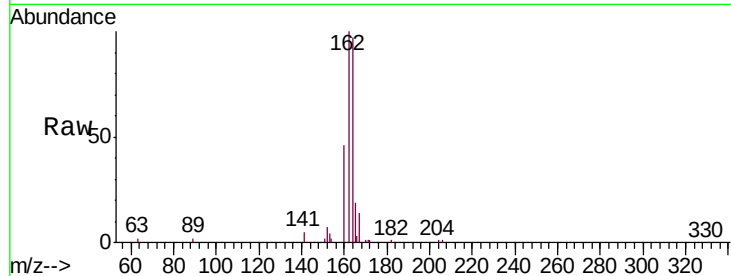
ClientSampleId :

EXT-034-SW093-080519DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 15606 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 103.2 | 82.2  | 123.4 |
| 160       | 47.1  | 38.3  | 57.5  |

Manual Integrations  
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#13

2,4,6-Tribromophenol

Concen: 0.004 ng

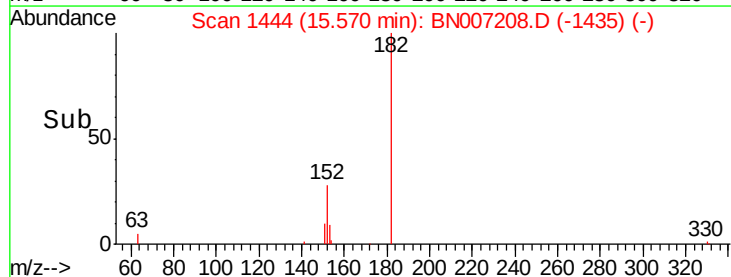
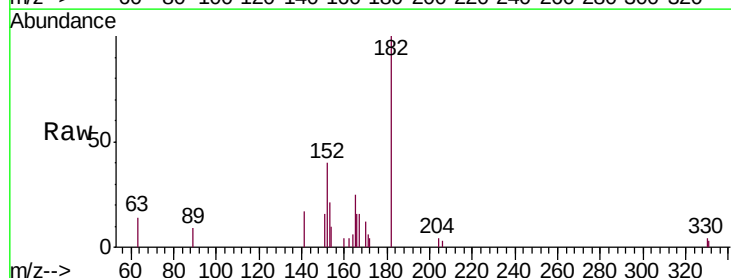
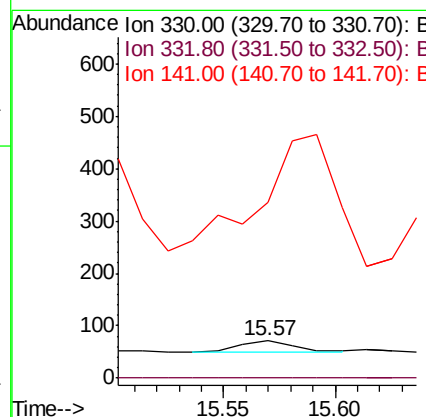
RT: 15.57 min Scan# 1444

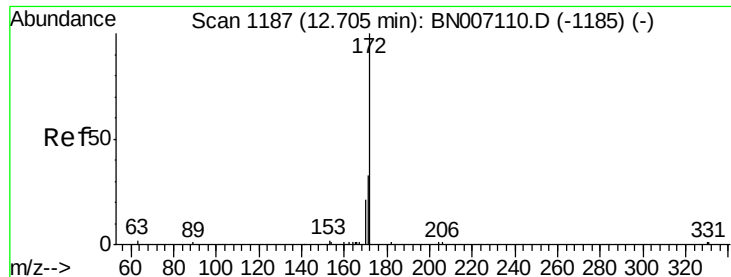
Delta R.T. -0.00 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 36    |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 0.0   | 0.0   | 0.0   |
| 141       | 0.0   | 33.6  | 50.4# |





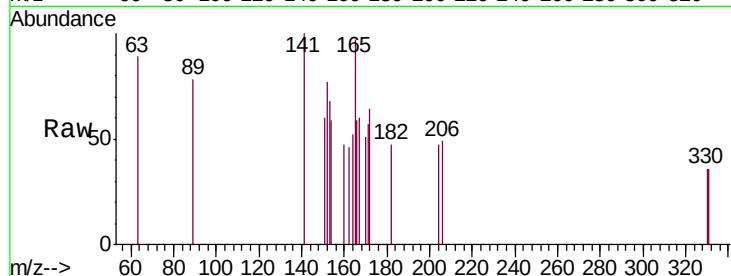
#14  
2-Fluorobiphenyl  
Concen: 0.009 ng  
RT: 12.71 min Scan# 1187  
Delta R.T. -0.00 min  
Lab File: BN007208.D  
Acq: 15 Aug 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-034-SW093-080519DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 89.4  | 26.3  | 39.5# |
| 170     | 80.0  | 17.0  | 25.4# |

Manual Integrations  
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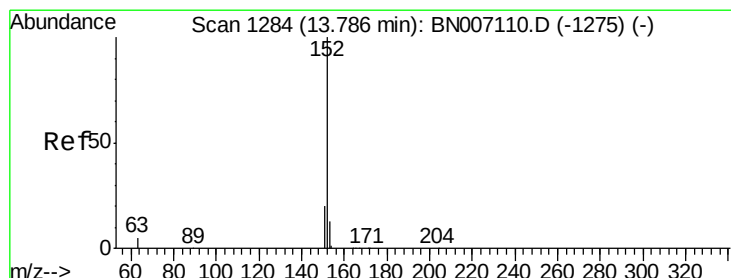
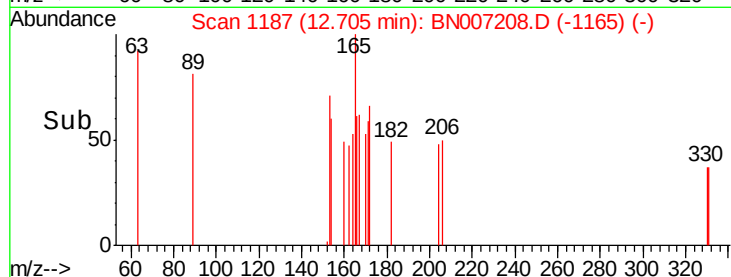
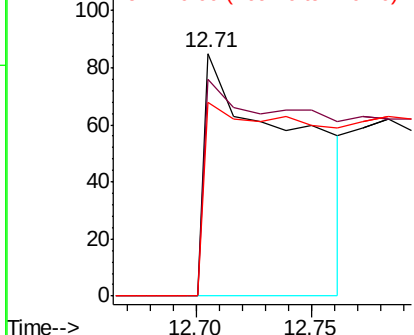


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#15  
Acenaphthylene  
Concen: 0.479 ng  
RT: 13.79 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BN007208.D  
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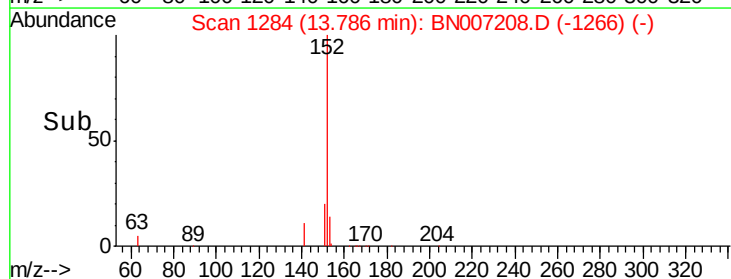
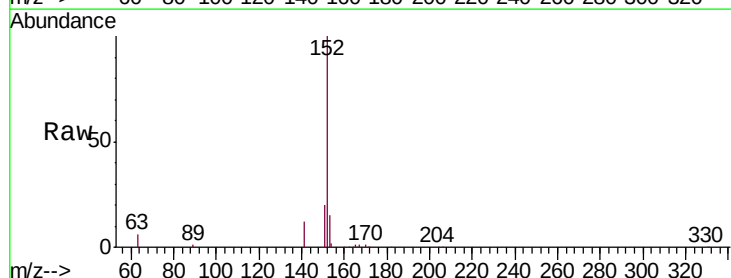
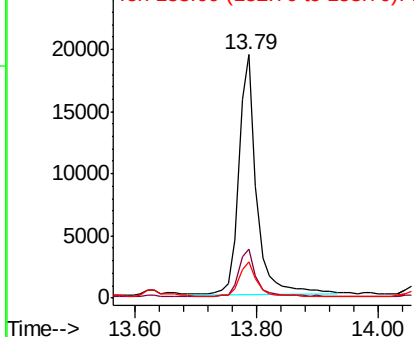
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.8  | 23.6  |
| 153     | 14.0  | 10.4  | 15.6  |

Abundance

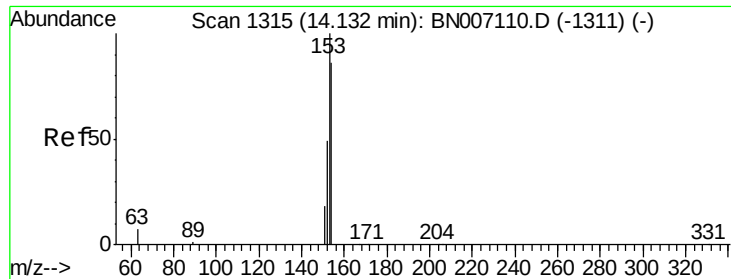
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E







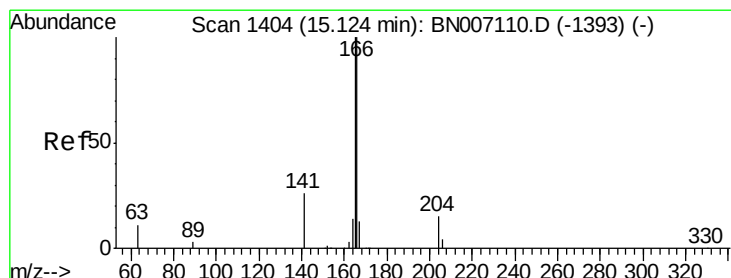
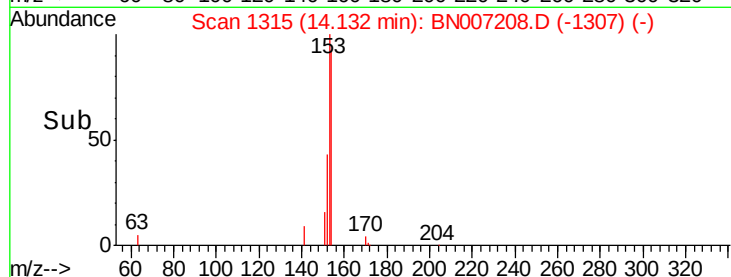
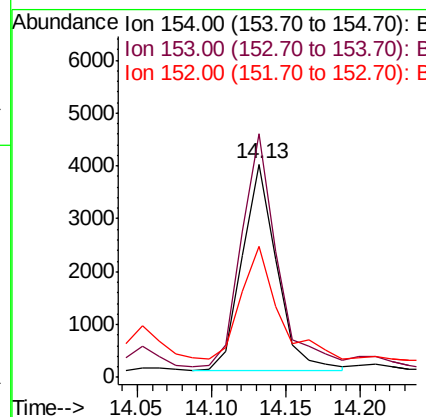
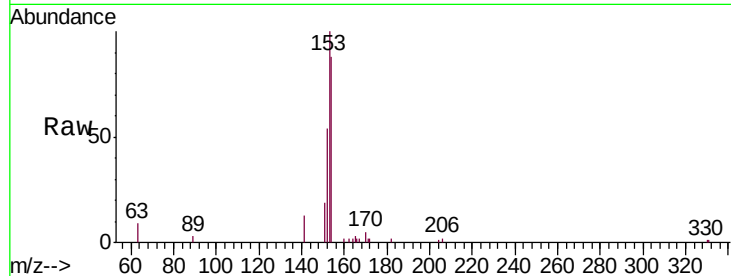
#16  
Acenaphthene  
Concen: 0.119 ng  
RT: 14.13 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BN007208.D  
Acq: 15 Aug 2019 22:10

Instrument :  
BNA\_N  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 124.0 | 89.5  | 134.3 |
| 152     | 58.0  | 44.8  | 67.2  |

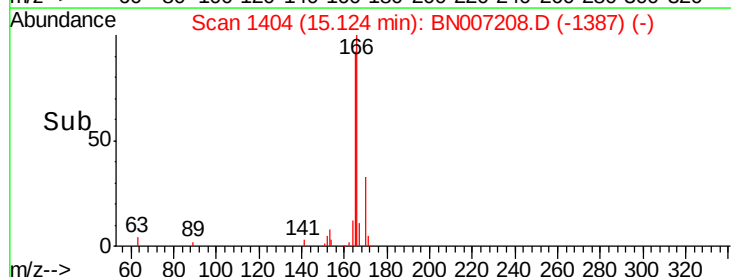
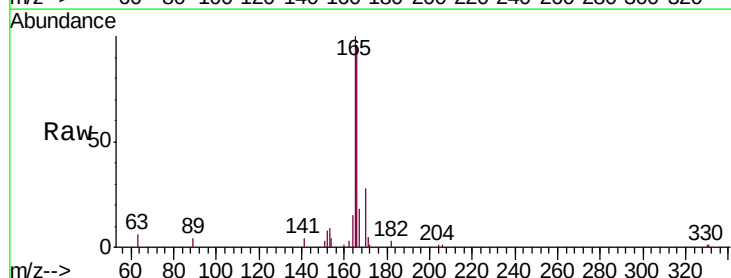
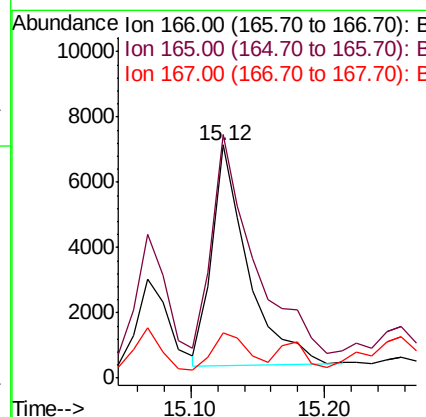
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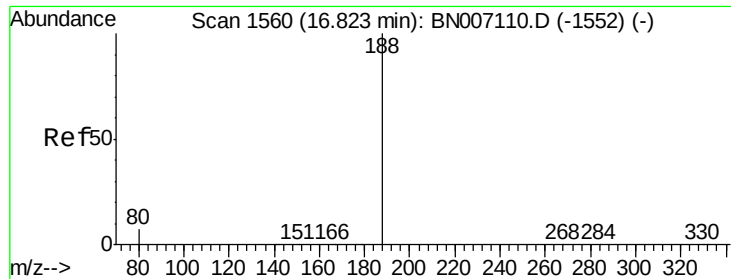
Jagrut  
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#17  
Fluorene  
Concen: 0.162 ng  
RT: 15.12 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BN007208.D  
Acq: 15 Aug 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 114.4 | 77.9  | 116.9 |
| 167     | 16.8  | 10.9  | 16.3# |





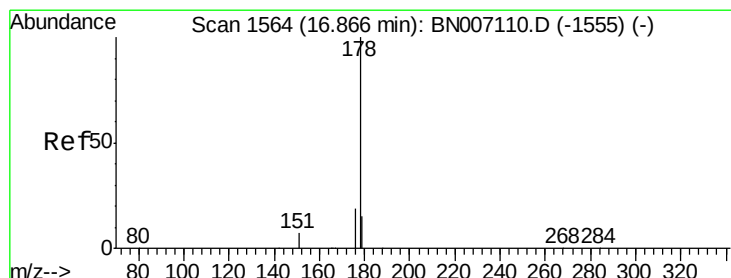
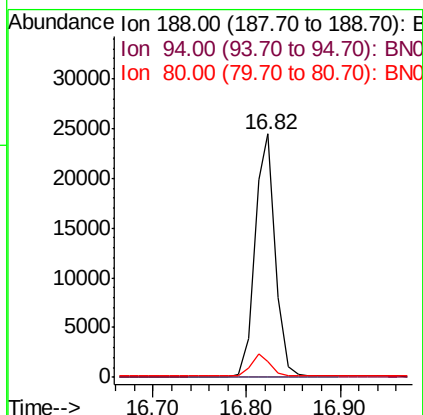
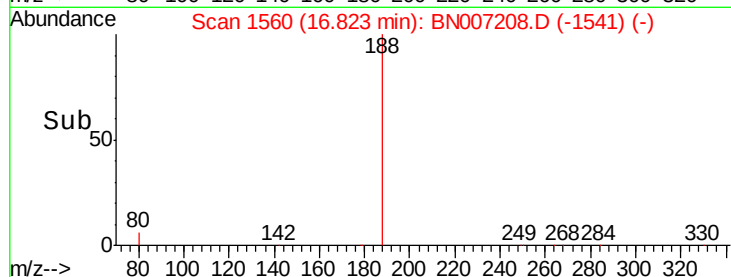
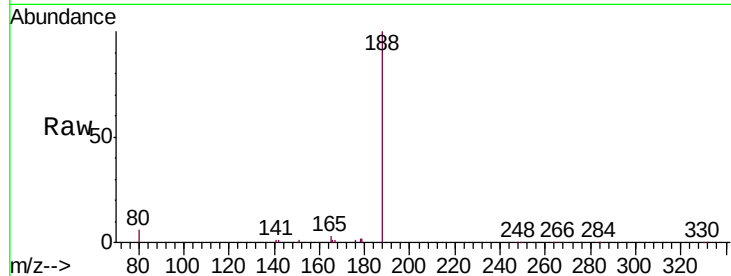
#18  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.82 min Scan# 1560  
 Delta R.T. -0.00 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-034-SW093-080519DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 0.0   | 0.0        | 0.0        |
| 80      | 6.5   | 7.8        | 11.6#      |

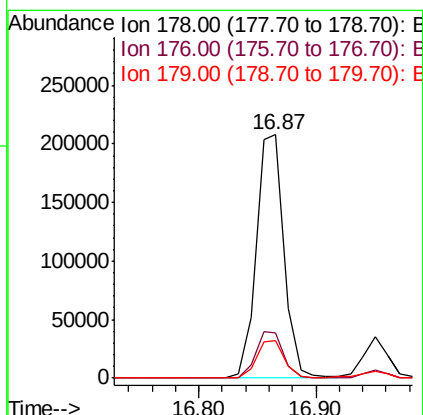
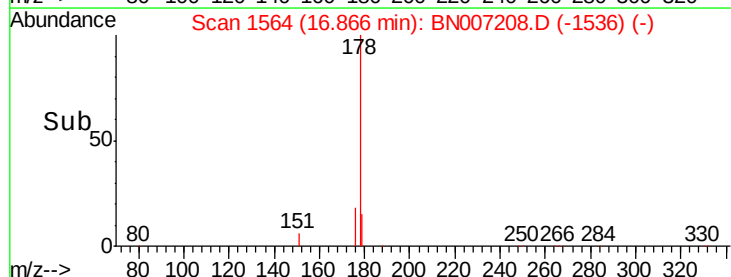
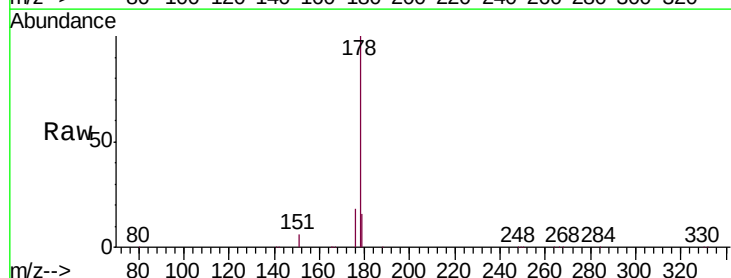
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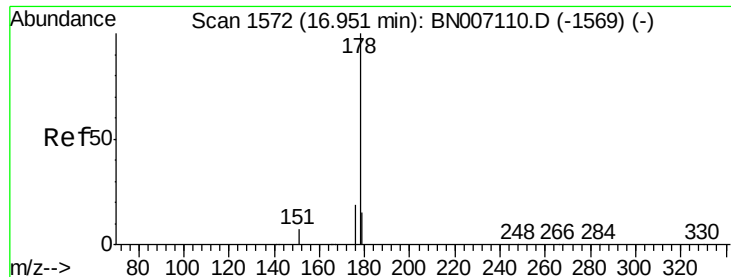
Jagrut  
 8/16/2019 6:11:54 PM



#22  
 Phenanthrene  
 Concen: 3.104 ng  
 RT: 16.87 min Scan# 1564  
 Delta R.T. -0.00 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 19.0  | 15.2       | 22.8       |
| 179     | 15.4  | 12.3       | 18.5       |





#23

Anthracene

Concen: 0.470 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

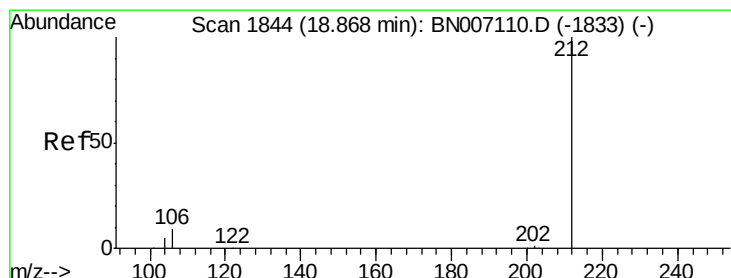
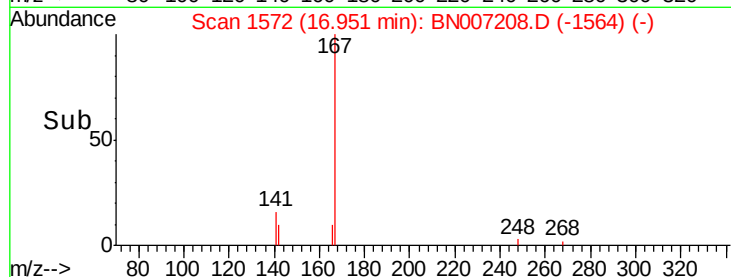
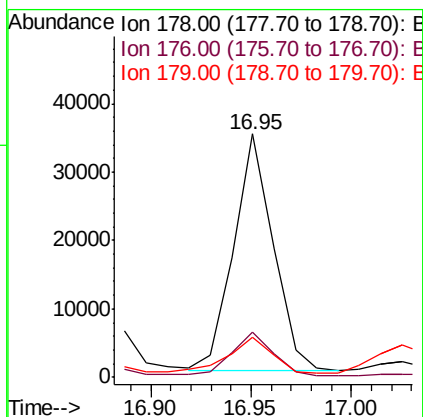
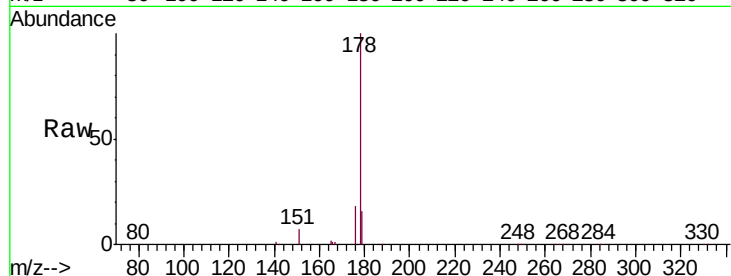
ClientSampleId :

EXT-034-SW093-080519DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 47378 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.5  | 14.6  | 21.8  |
| 179       | 17.1  | 12.5  | 18.7  |

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#24

Fluoranthene-d10

Concen: 0.009 ng

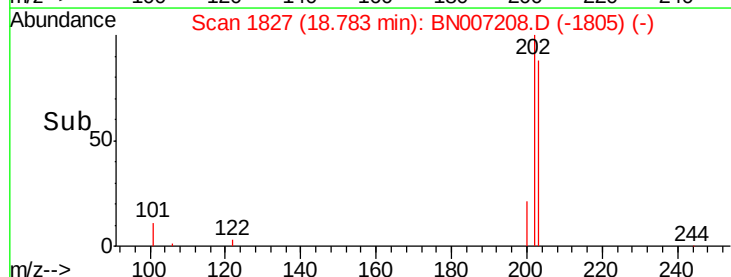
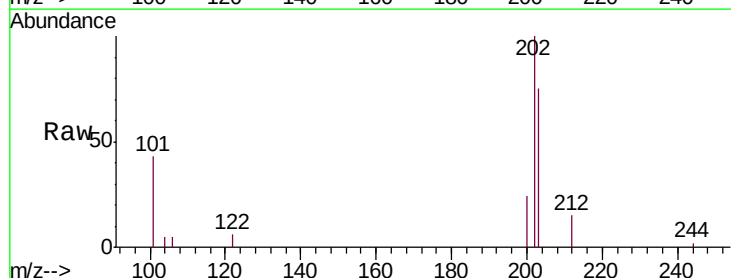
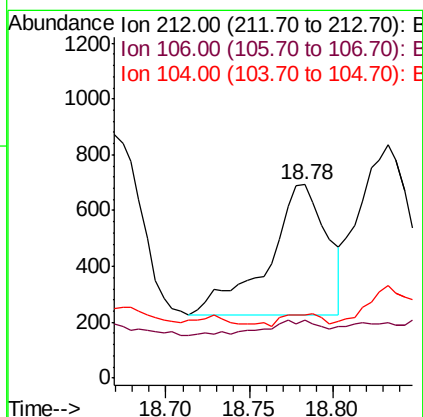
RT: 18.78 min Scan# 1827

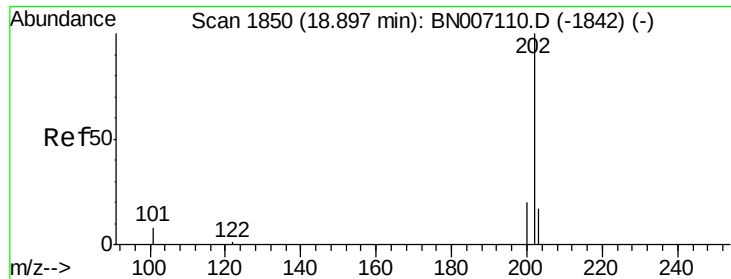
Delta R.T. -0.09 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 1136 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 10.9  | 8.2   | 12.2 |
| 104       | 4.9   | 4.5   | 6.7  |





#25

Fluoranthene

Concen: 2.879 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

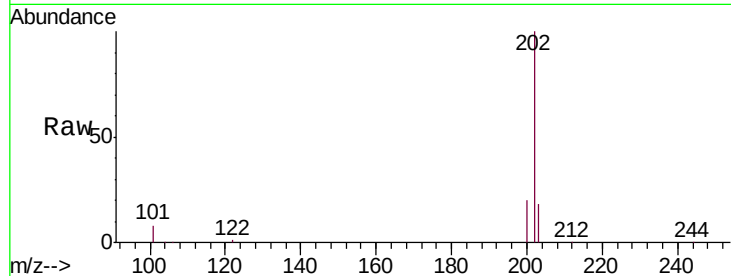
ClientSampleId :

EXT-034-SW093-080519DL

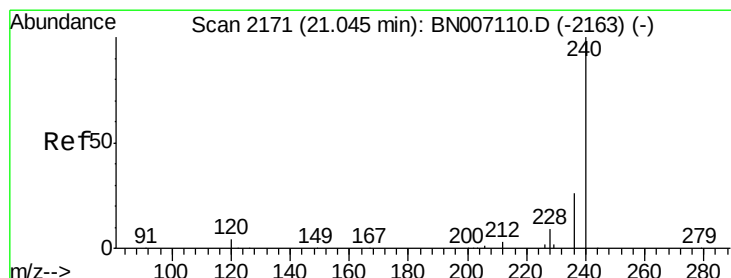
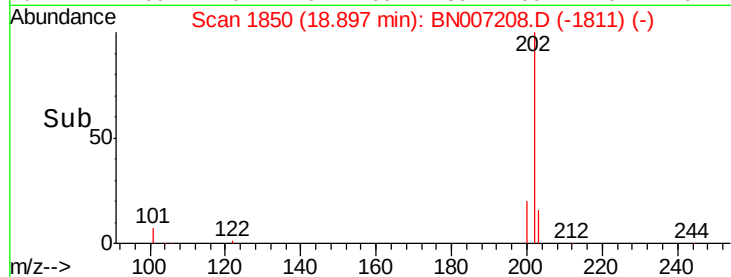
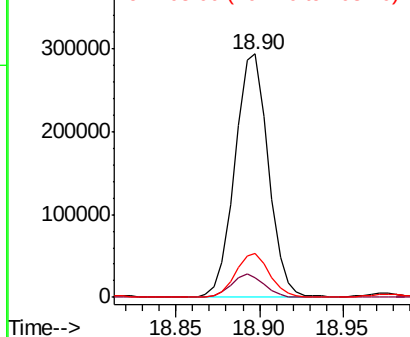
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 406110 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.1   | 7.0   | 10.4   |
| 203       | 18.0  | 13.8  | 20.8   |

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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

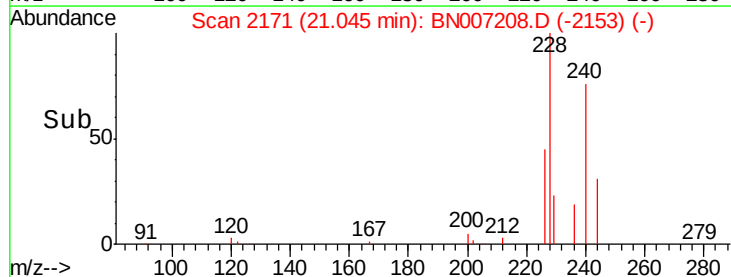
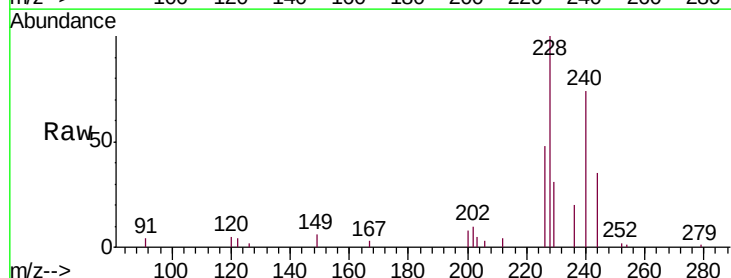
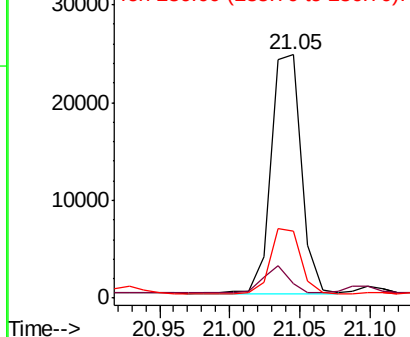
Delta R.T. -0.01 min

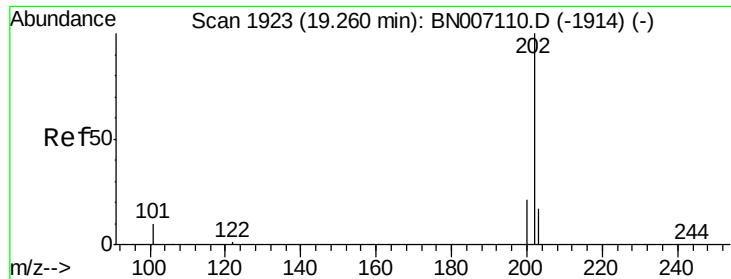
Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 37272 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 6.1   | 4.0   | 6.0#  |
| 236       | 27.4  | 21.3  | 31.9  |

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





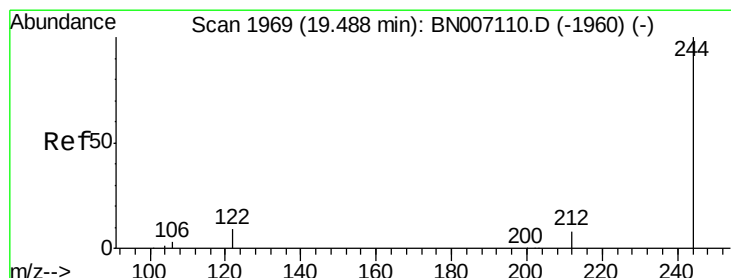
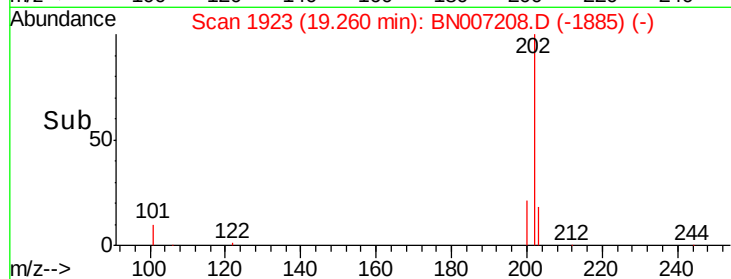
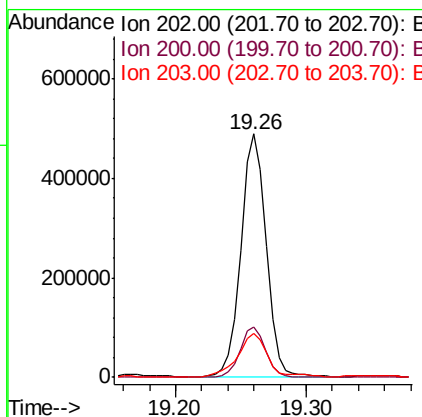
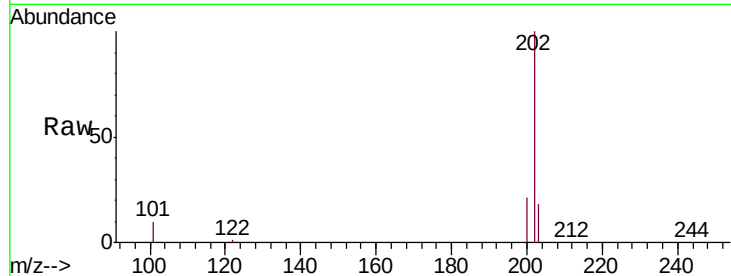
#27  
 Pyrene  
 Concen: 5.087 ng  
 RT: 19.26 min Scan# 1923  
 Delta R.T. -0.01 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-034-SW093-080519DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 664977 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.8  | 16.6  | 24.8   |
| 203       | 20.4  | 14.0  | 21.0   |

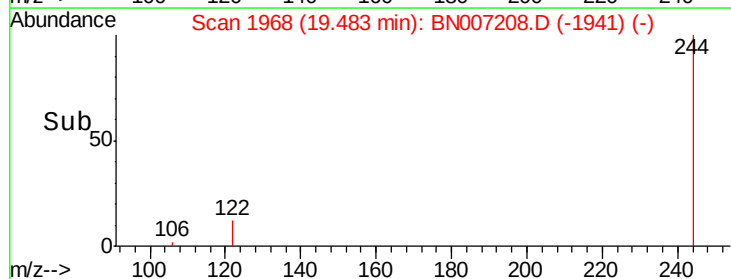
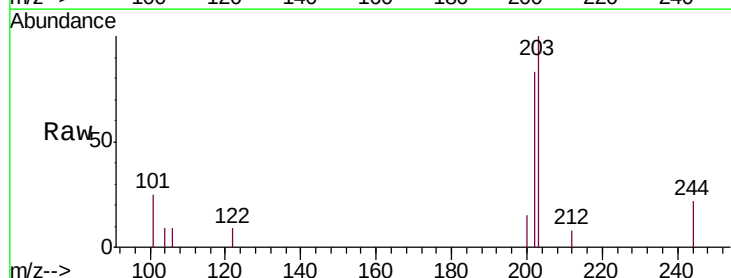
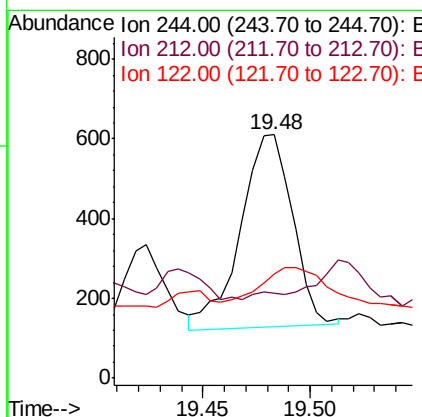
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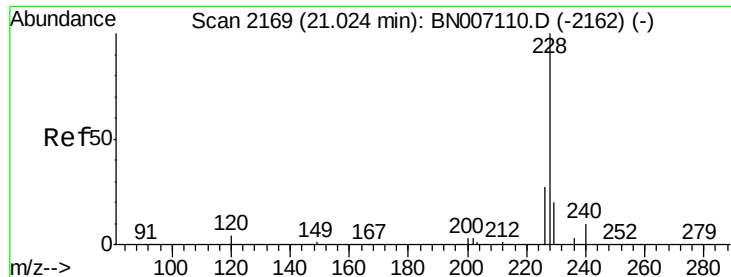
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#28  
 Terphenyl-d14  
 Concen: 0.008 ng  
 RT: 19.48 min Scan# 1968  
 Delta R.T. -0.02 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 817   |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 34.9  | 6.2   | 9.2#  |
| 122       | 42.6  | 7.4   | 11.2# |





#29

Benzo(a)anthracene

Concen: 2.007 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007208.D

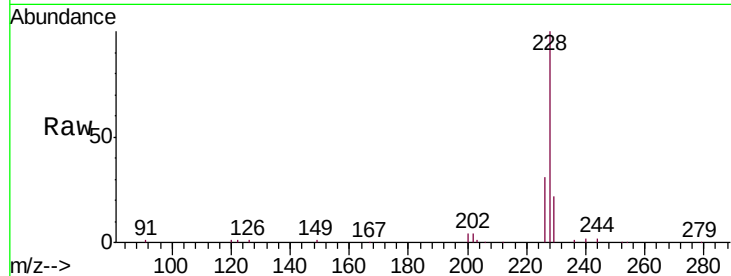
Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

ClientSampleId :

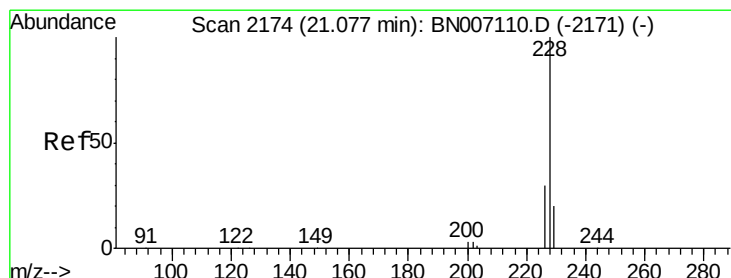
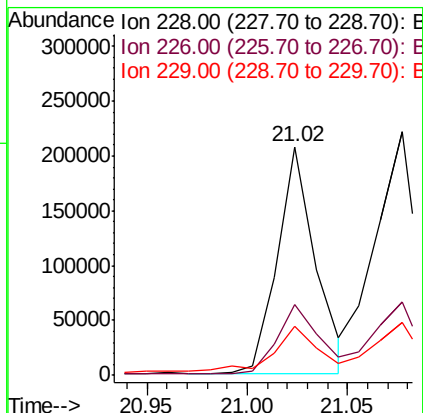
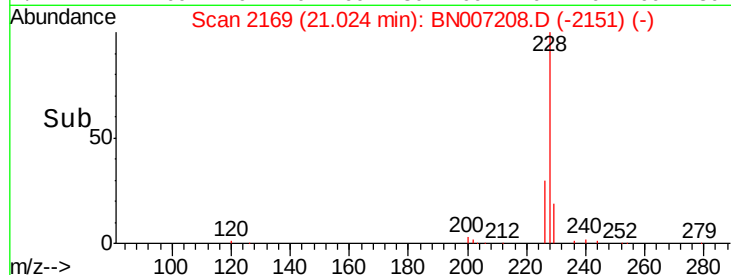
EXT-034-SW093-080519DL



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 21.8  | 32.6  |
| 229     | 21.5  | 15.6  | 23.4  |

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#30

Chrysene

Concen: 2.426 ng

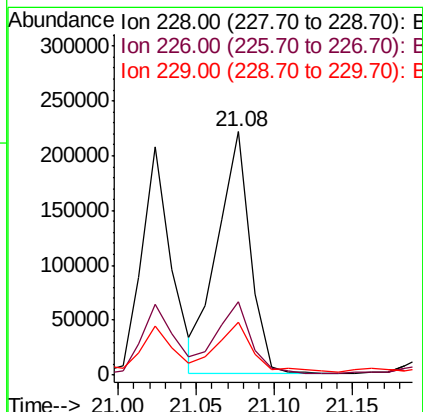
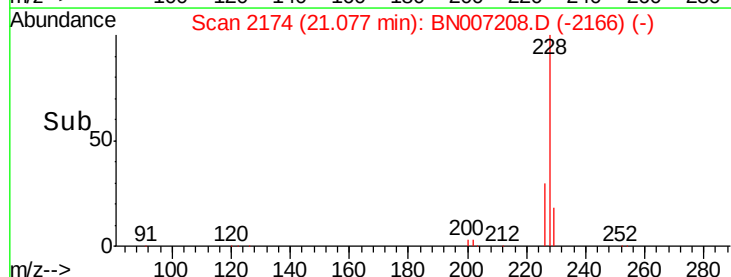
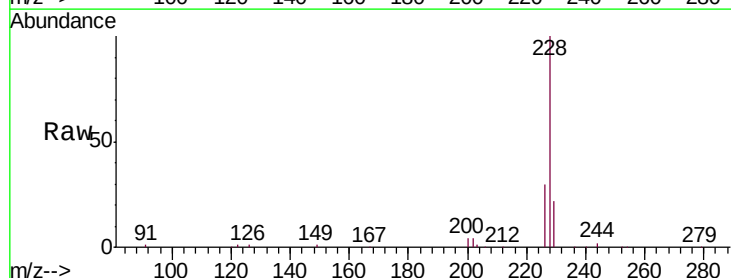
RT: 21.08 min Scan# 2174

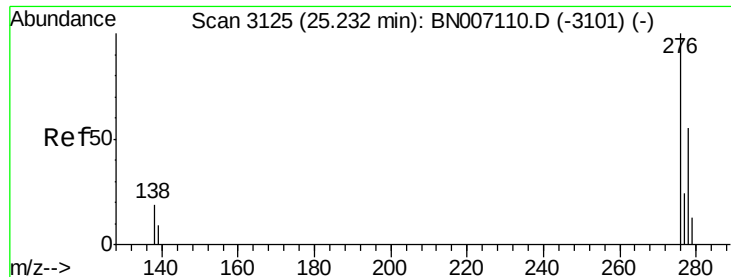
Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 23.8  | 35.6  |
| 229     | 21.6  | 15.7  | 23.5  |





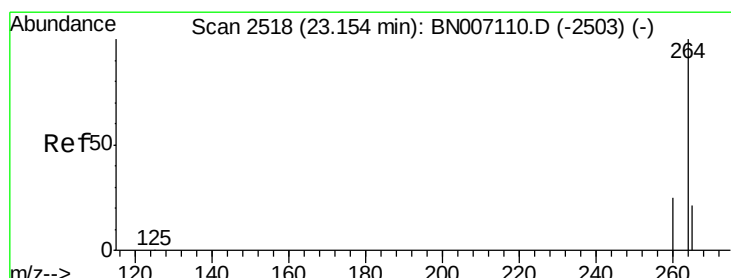
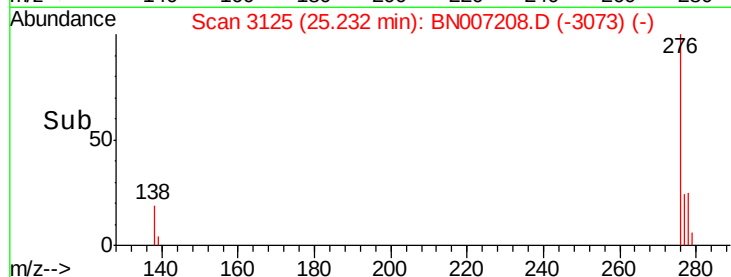
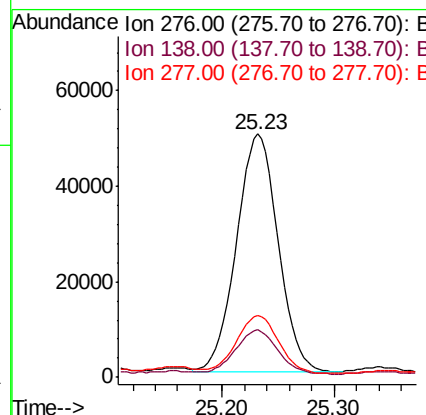
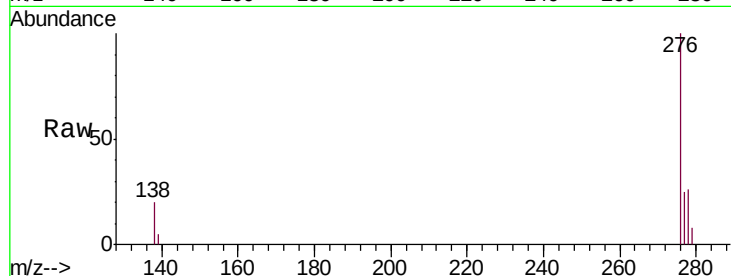
#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.876 ng  
 RT: 25.23 min Scan# 3125  
 Delta R.T. -0.02 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-034-SW093-080519DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 127910 |       |       |
| 138     | 18.9  | 16.0   | 24.0  |       |
| 277     | 25.0  | 19.9   | 29.9  |       |

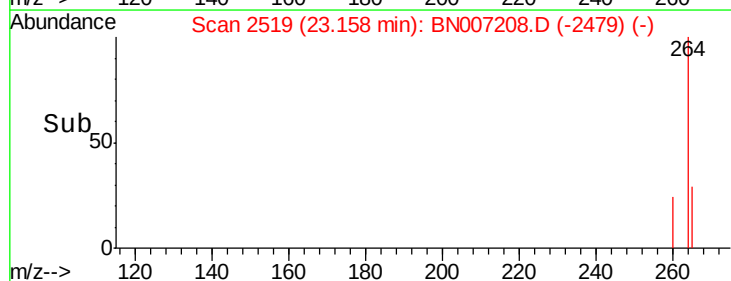
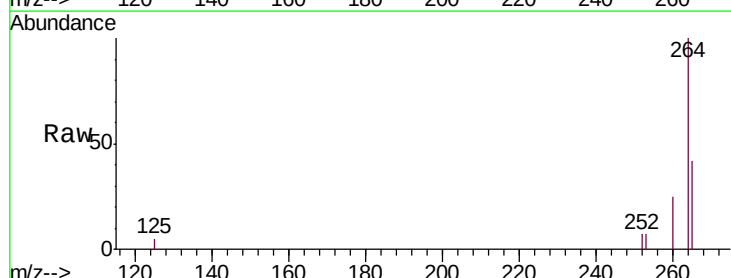
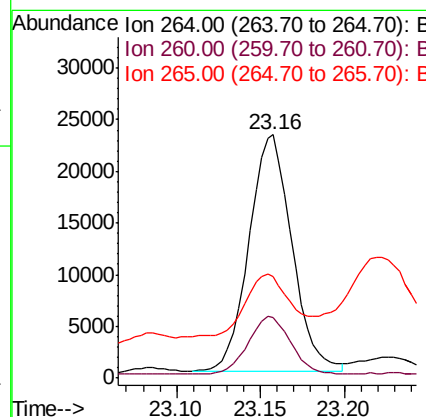
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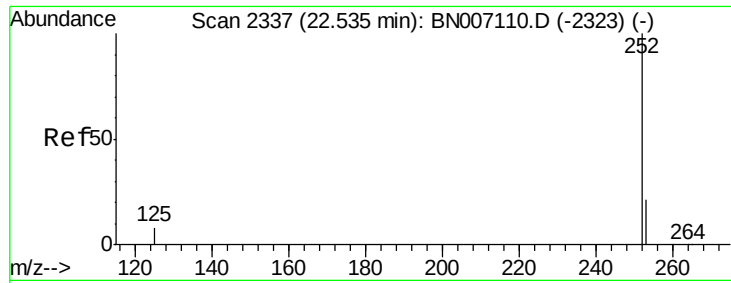
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#32  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.16 min Scan# 2519  
 Delta R.T. -0.01 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 264     | 100   | 41117 |       |       |
| 260     | 24.9  | 19.8  | 29.8  |       |
| 265     | 41.8  | 26.2  | 39.4  |       |





#33

Benzo(b)fluoranthene

Concen: 1.986 ng m

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

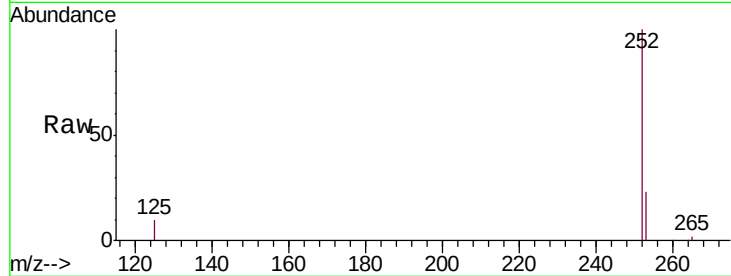
ClientSampleId :

EXT-034-SW093-080519DL

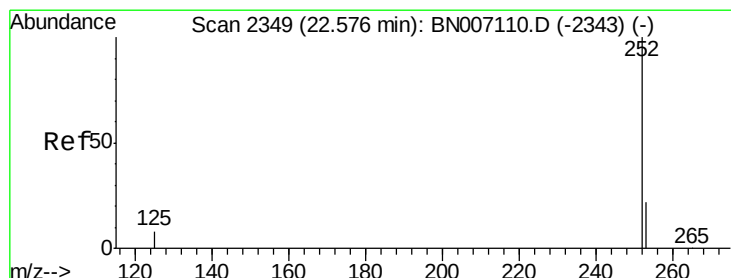
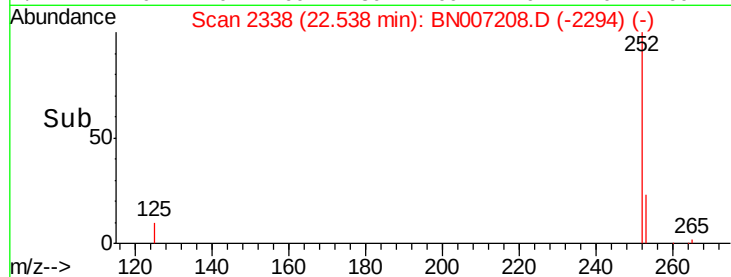
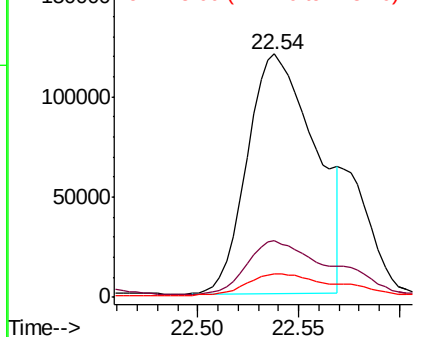
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 280033 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.1  | 18.2  | 27.2   |
| 125       | 9.5   | 7.4   | 11.0   |

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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



#34

Benzo(k)fluoranthene

Concen: 0.527 ng m

RT: 22.57 min Scan# 2347

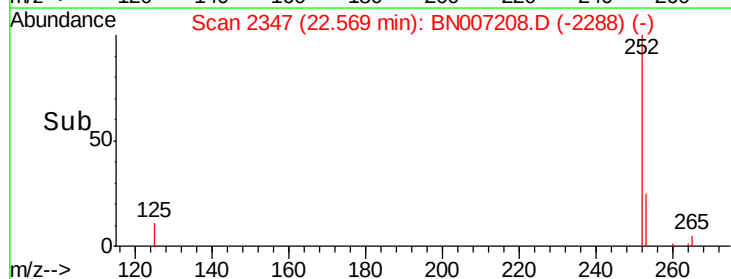
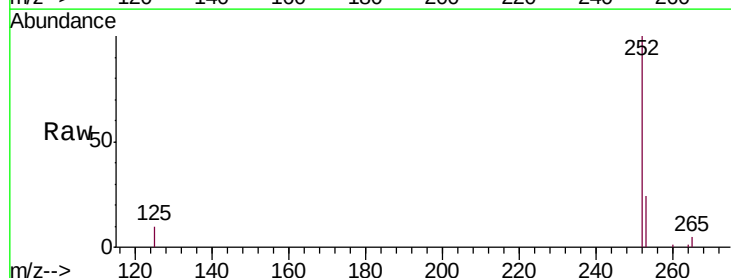
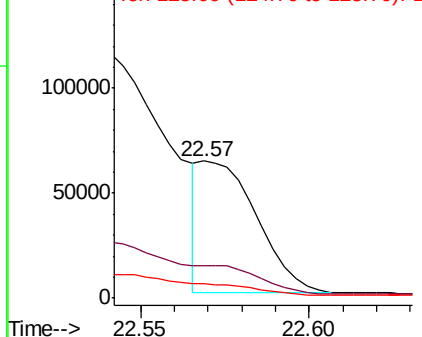
Delta R.T. -0.02 min

Lab File: BN007208.D

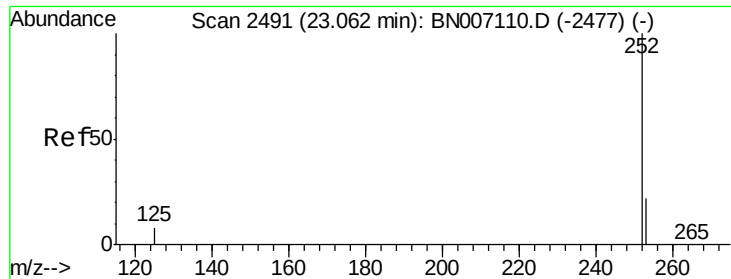
Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 73441 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.9  | 18.1  | 27.1  |
| 125       | 10.2  | 7.4   | 11.0  |

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







#35

Benzo(a)pyrene

Concen: 1.735 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

Instrument :

BNA\_N

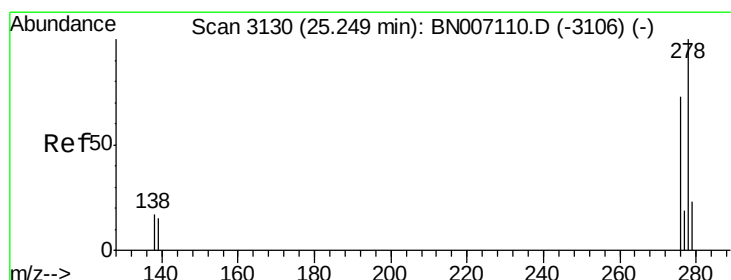
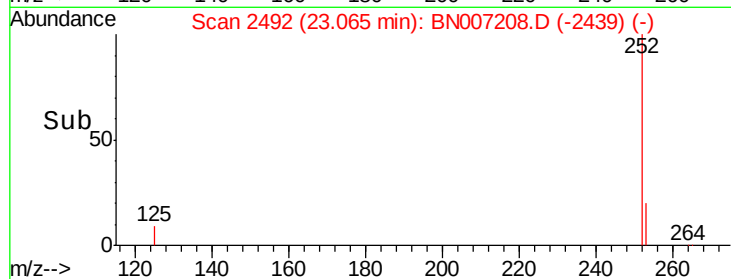
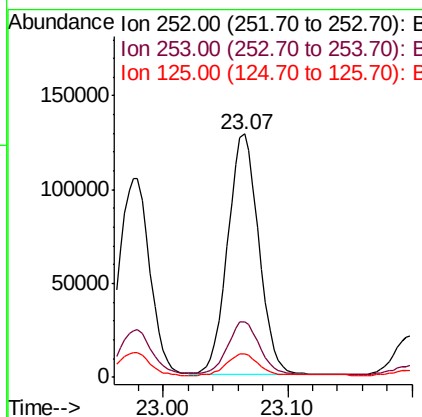
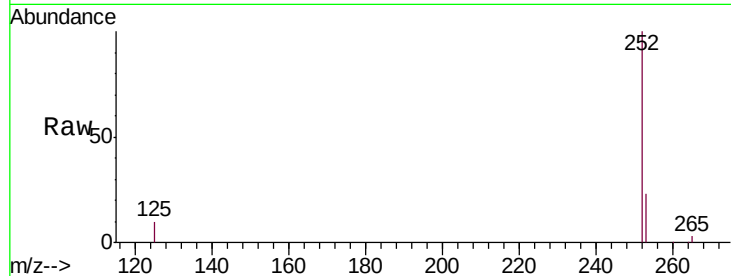
ClientSampleId :

EXT-034-SW093-080519DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 221796 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.7  | 18.5  | 27.7   |
| 125       | 9.7   | 8.2   | 12.4   |

Manual Integrations  
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#36

Dibenzo(a,h)anthracene

Concen: 0.319 ng

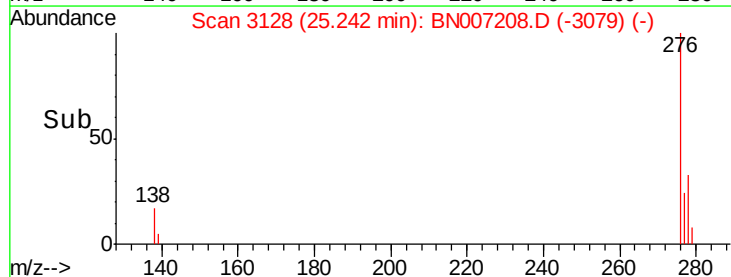
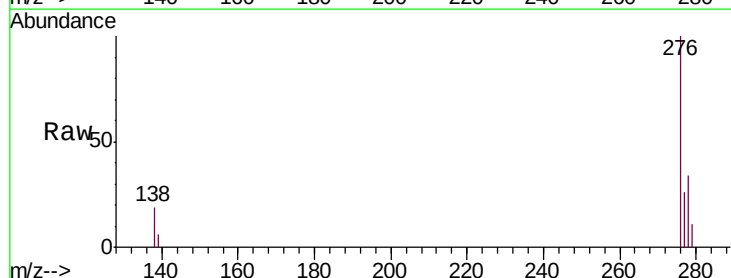
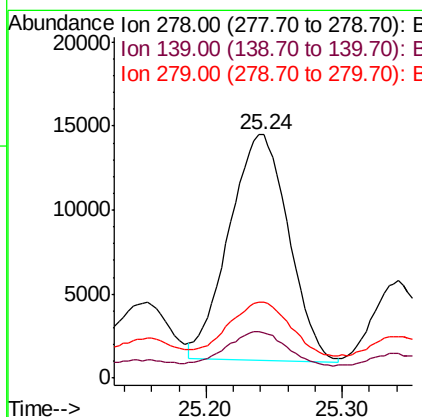
RT: 25.24 min Scan# 3128

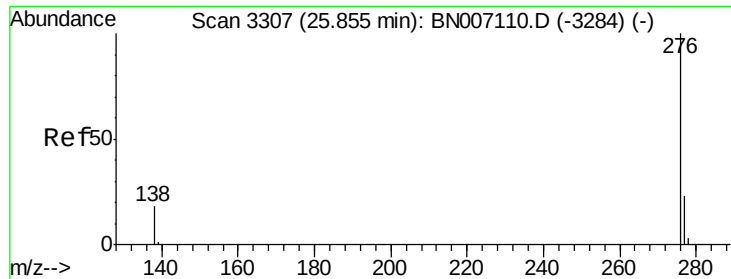
Delta R.T. -0.03 min

Lab File: BN007208.D

Acq: 15 Aug 2019 22:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 40626 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 18.6  | 11.3  | 16.9# |
| 279       | 31.3  | 19.3  | 28.9# |





#37  
 Benzo(g,h,i)perylene  
 Concen: 1.192 ng  
 RT: 25.86 min Scan# 3308  
 Delta R.T. -0.02 min  
 Lab File: BN007208.D  
 Acq: 15 Aug 2019 22:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-034-SW093-080519DL

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 276   | Resp  | 156410 |
| Ion | Ratio | Lower | Upper |        |
| 276 | 100   |       |       |        |
| 277 | 24.9  | 19.8  | 29.8  |        |
| 138 | 19.4  | 14.6  | 22.0  |        |

Manual Integrations  
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