

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100519\  
 Data File : BN008030.D  
 Acq On : 05 Oct 2019 17:39  
 Operator : JU  
 Sample : K5078-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW067-092519

Manual Integrations  
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 10/7/2019 4:39:48 PM

Quant Time: Oct 07 06:54:48 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 4290     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.44 | 136  | 16706    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 10581    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.05 | 188  | 20747    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.25 | 240  | 21902    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.46 | 264  | 23843    | 0.40 | ng    | -0.03    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.30  | 112 | 1973  | 0.13 | ng | -0.02 |
| 5) Phenol-d6                | 6.87  | 99  | 2480  | 0.13 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 2395  | 0.16 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 4617  | 0.16 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 873   | 0.15 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 6218  | 0.14 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.09 | 212 | 10868 | 0.16 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.69 | 244 | 8925  | 0.17 | ng | -0.02 |

#### Target Compounds

|                                |       |     |        |          | Qvalue |
|--------------------------------|-------|-----|--------|----------|--------|
| 9) Naphthalene                 | 10.49 | 128 | 1199   | 0.026 ng | # 67   |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 1058   | 0.033 ng | # 80   |
| 16) Acenaphthylene             | 14.02 | 152 | 27826  | 0.496 ng | 99     |
| 17) Acenaphthene               | 14.37 | 154 | 2070   | 0.057 ng | 98     |
| 18) Fluorene                   | 15.36 | 166 | 4784   | 0.103 ng | # 81   |
| 22) Pentachlorophenol          | 16.72 | 266 | 155    | 0.031 ng | # 73   |
| 23) Phenanthrene               | 17.09 | 178 | 88546  | 1.370 ng | 100    |
| 24) Anthracene                 | 17.19 | 178 | 21533  | 0.369 ng | 98     |
| 26) Fluoranthene               | 19.12 | 202 | 213145 | 2.652 ng | 99     |
| 28) Pyrene                     | 19.48 | 202 | 215221 | 2.881 ng | 96     |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 94900m | 1.177 ng |        |
| 31) Chrysene                   | 21.28 | 228 | 128011 | 1.629 ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 46246  | 1.115 ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 80578  | 0.819 ng | # 95   |
| 35) Benzo(b)fluoranthene       | 22.80 | 252 | 160037 | 1.933 ng | # 95   |
| 36) Benzo(k)fluoranthene       | 22.84 | 252 | 50565m | 0.618 ng |        |
| 37) Benzo(a)pyrene             | 23.37 | 252 | 102443 | 1.317 ng | # 94   |
| 38) Dibenzo(a,h)anthracene     | 25.68 | 278 | 20359  | 0.256 ng | # 67   |
| 39) Benzo(g,h,i)perylene       | 26.35 | 276 | 83751  | 1.063 ng | 97     |

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

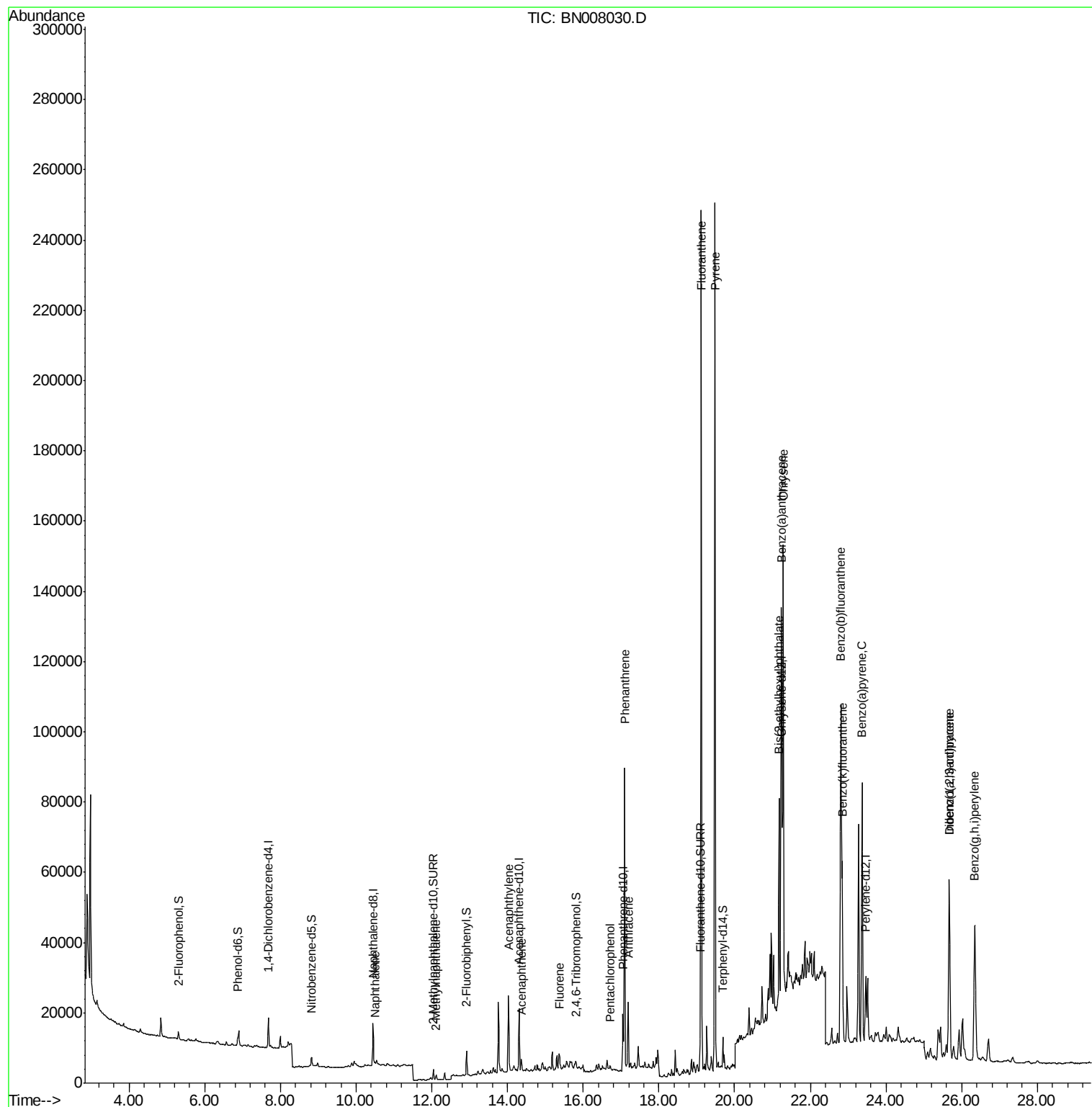
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100519\  
Data File : BN008030.D  
Acq On : 05 Oct 2019 17:39  
Operator : JU  
Sample : K5078-03  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

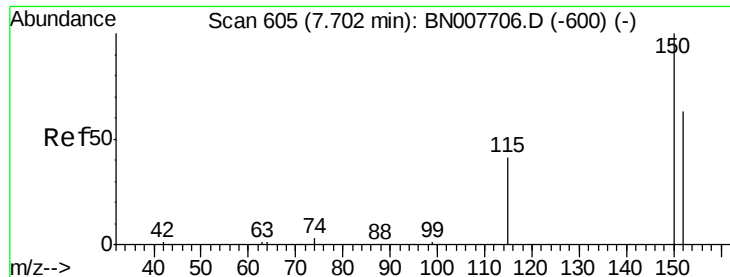
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW067-092519

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Quant Time: Oct 07 06:54:48 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN091819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 03 18:39:49 2019  
Response via : Initial Calibration

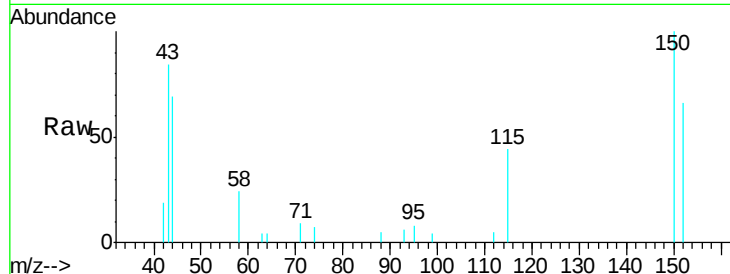




#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.68 min Scan# 602  
Delta R.T. -0.02 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

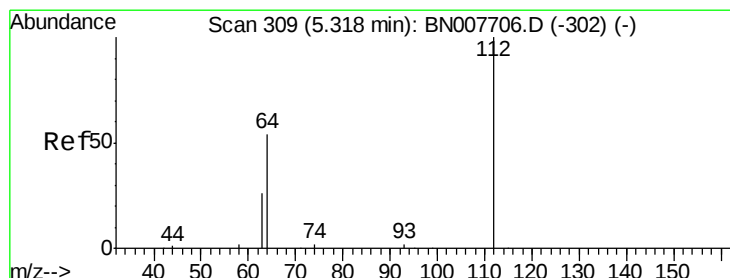
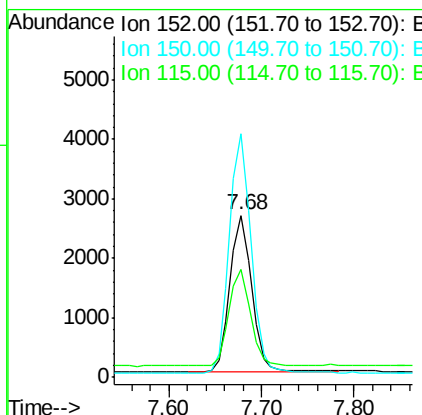
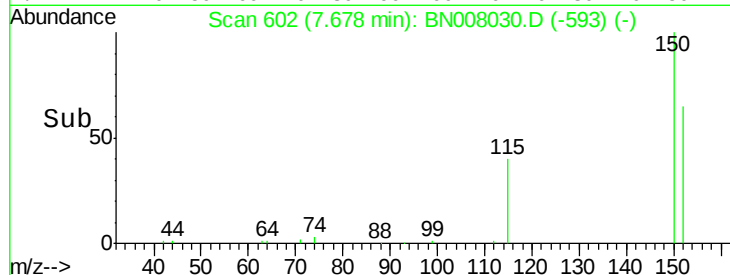
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW067-092519



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.5 | 125.6 | 188.4 |
| 115     | 66.7  | 53.3  | 79.9  |

Manual Integrations  
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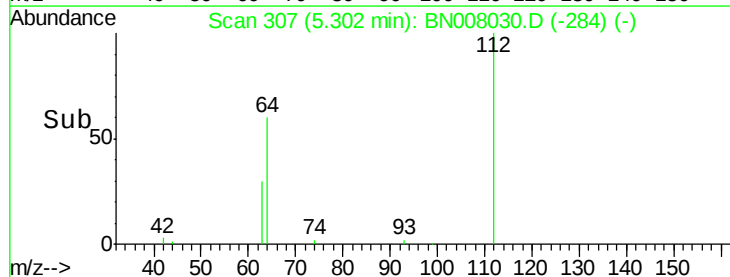
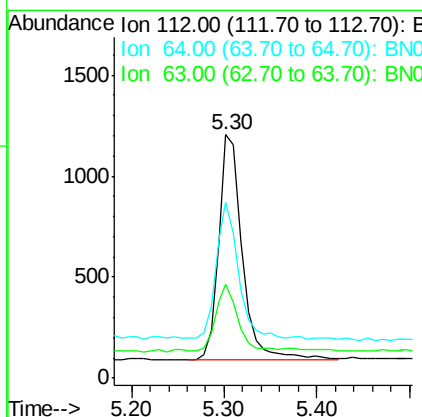
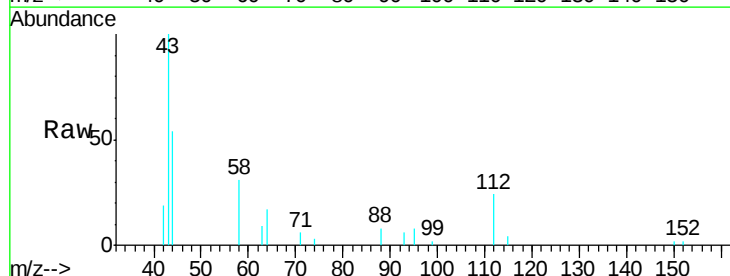
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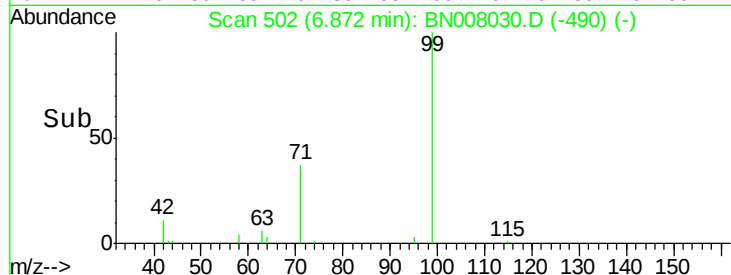
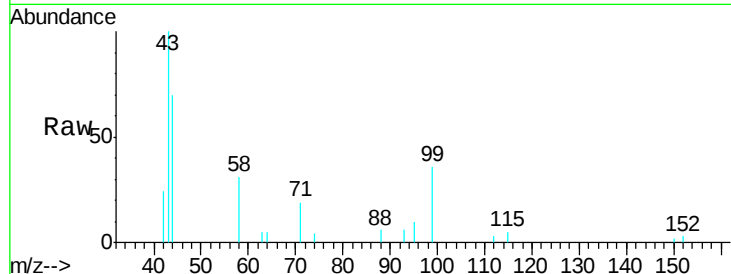
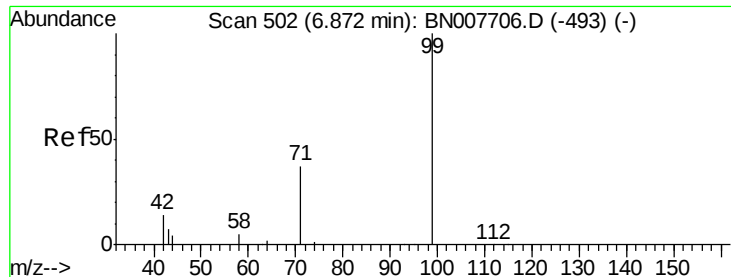


#4

2-Fluorophenol  
Concen: 0.134 ng  
RT: 5.30 min Scan# 307  
Delta R.T. -0.02 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.0  | 46.6  | 70.0  |
| 63      | 27.9  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.130 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

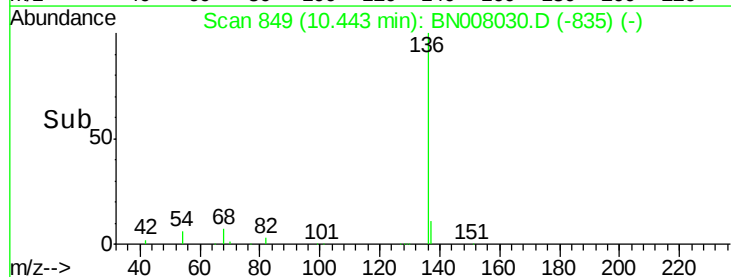
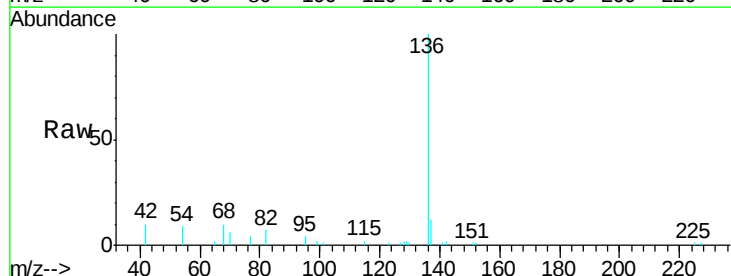
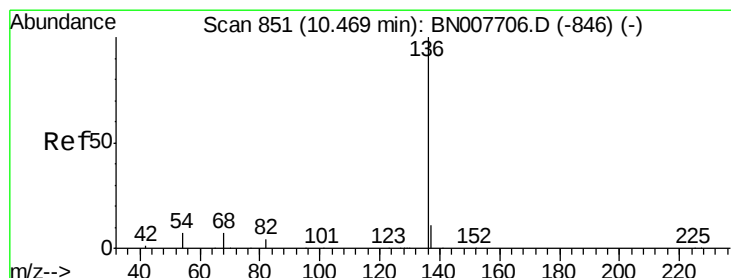
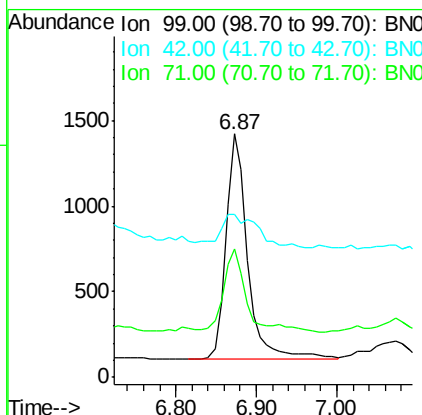
ClientSampleId :

EXT-024-SW067-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 2480  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 23.7  | 12.8  | 19.2# |
| 71        | 39.6  | 27.6  | 41.4  |

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#7

Naphthalene-d8

Concen: 0.400 ng

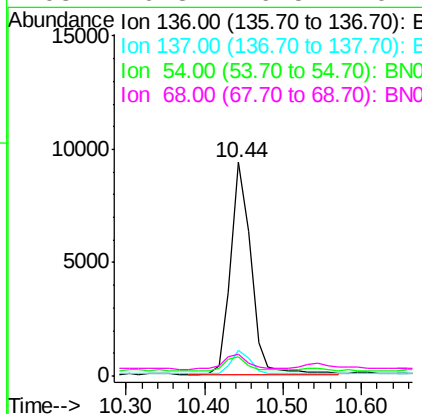
RT: 10.44 min Scan# 849

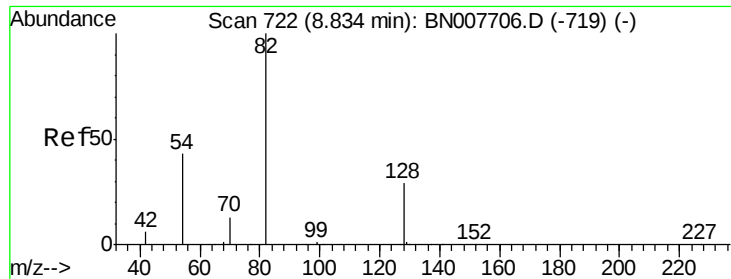
Delta R.T. -0.03 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16706 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.8  | 9.2   | 13.8  |
| 54        | 8.8   | 5.8   | 8.8#  |
| 68        | 10.3  | 6.5   | 9.7#  |





#8

Nitrobenzene-d5

Concen: 0.164 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

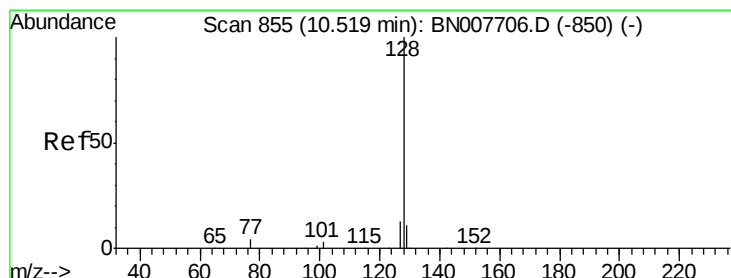
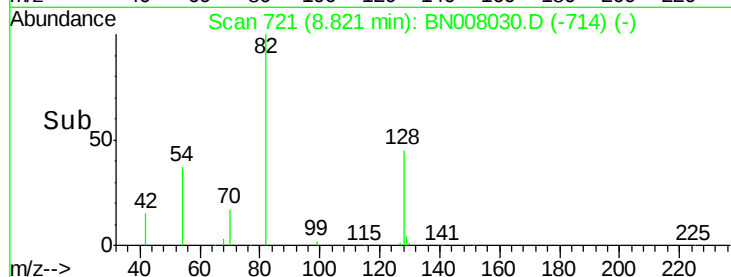
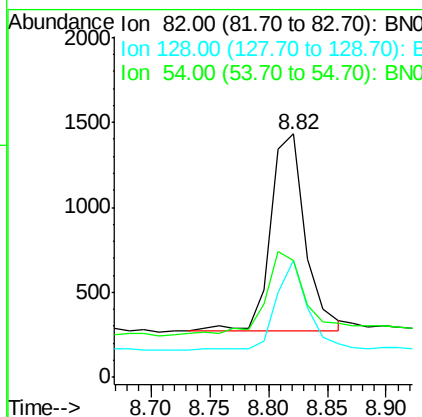
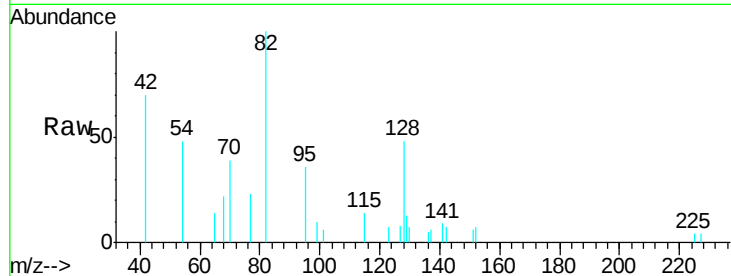
ClientSampleId :

EXT-024-SW067-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 2395  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 47.8  | 24.5  | 36.7# |
| 54        | 48.0  | 35.2  | 52.8  |

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#9

Naphthalene

Concen: 0.026 ng

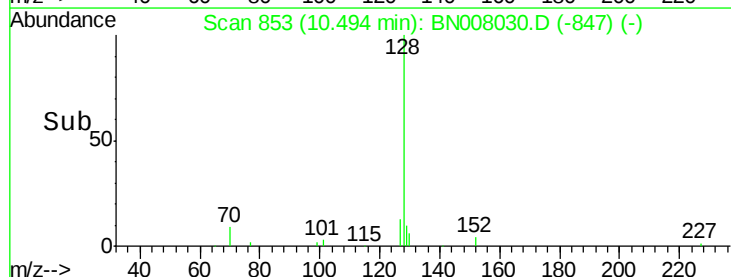
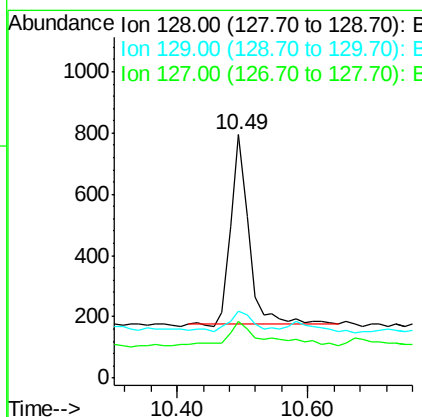
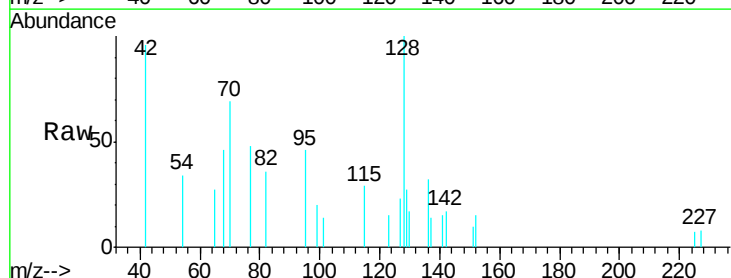
RT: 10.49 min Scan# 853

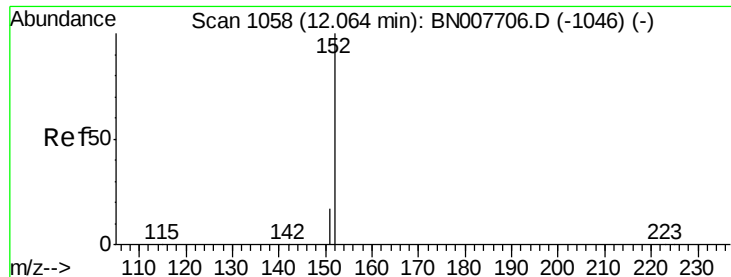
Delta R.T. -0.03 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1199  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 27.4  | 9.1   | 13.7# |
| 127       | 23.4  | 10.6  | 15.8# |





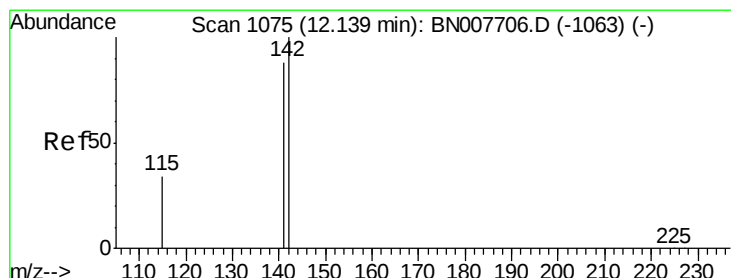
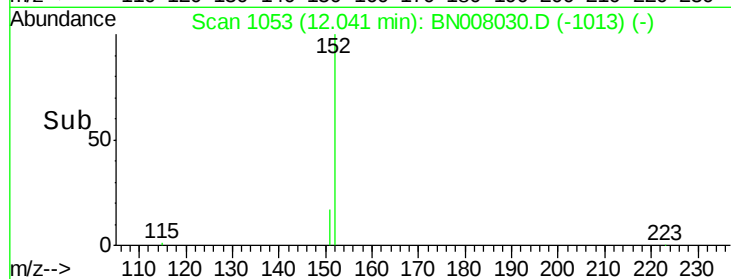
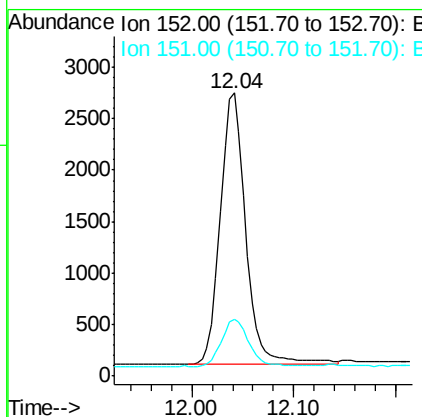
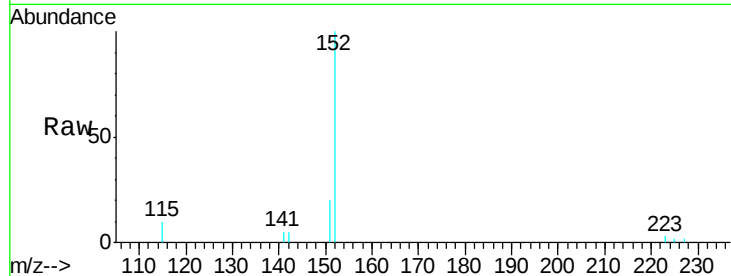
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.164 ng  
 RT: 12.04 min Scan# 1053  
 Delta R.T. -0.02 min  
 Lab File: BN008030.D  
 Acq: 05 Oct 2019 17:39

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW067-092519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.4  | 23.2  |

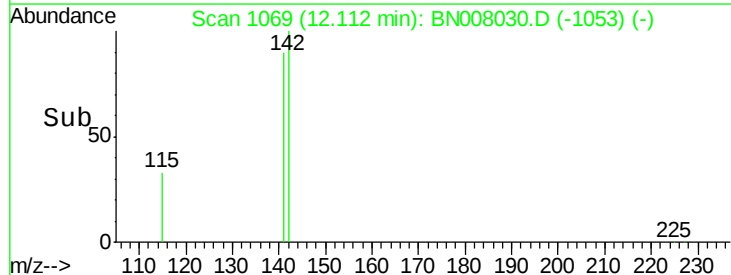
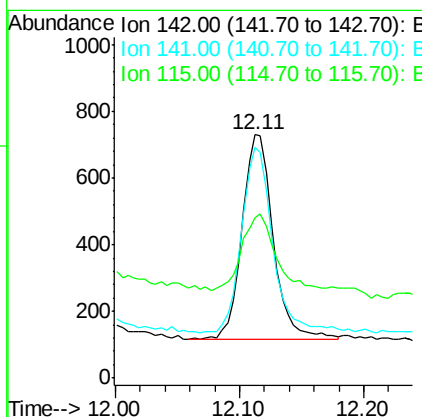
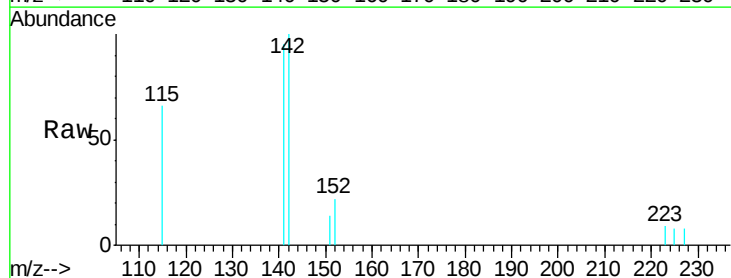
Manual Integrations  
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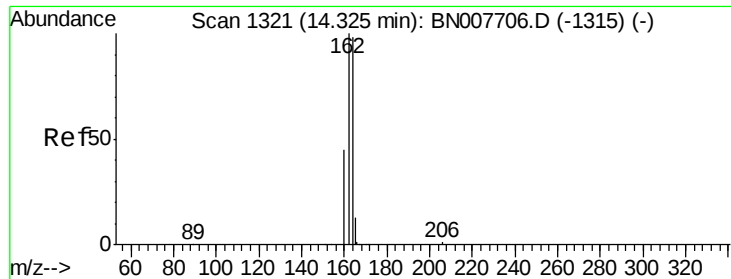
mohammad  
 10/7/2019 4:39:48 PM



#12  
 2-Methylnaphthalene  
 Concen: 0.033 ng  
 RT: 12.11 min Scan# 1069  
 Delta R.T. -0.03 min  
 Lab File: BN008030.D  
 Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.8  | 70.6  | 106.0 |
| 115     | 65.9  | 28.3  | 42.5# |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

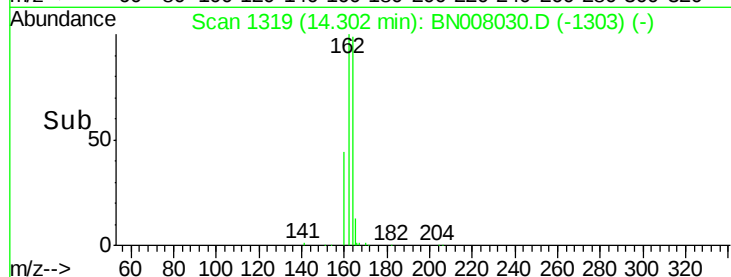
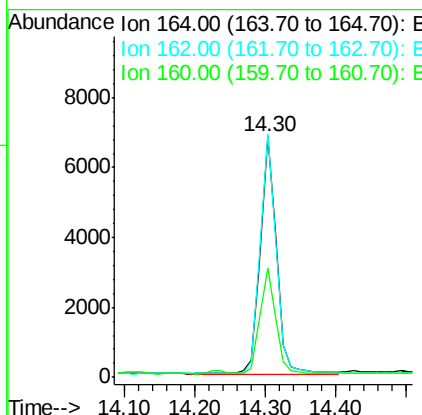
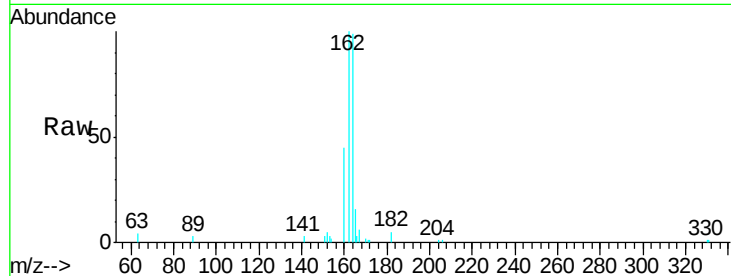
ClientSampleId :

EXT-024-SW067-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 10581 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.2 | 81.7  | 122.5 |
| 160       | 45.4  | 37.0  | 55.4  |

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#14

2,4,6-Tribromophenol

Concen: 0.151 ng

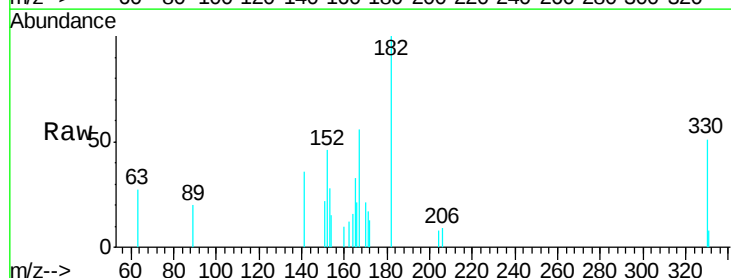
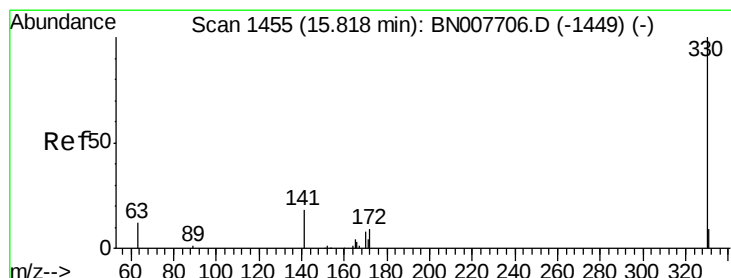
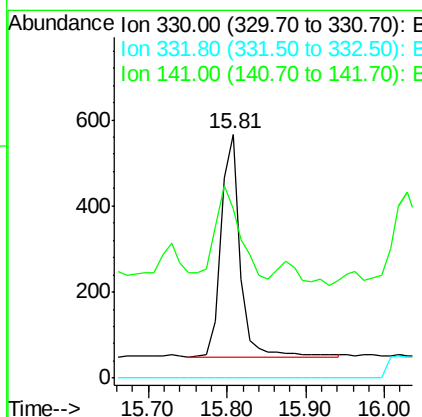
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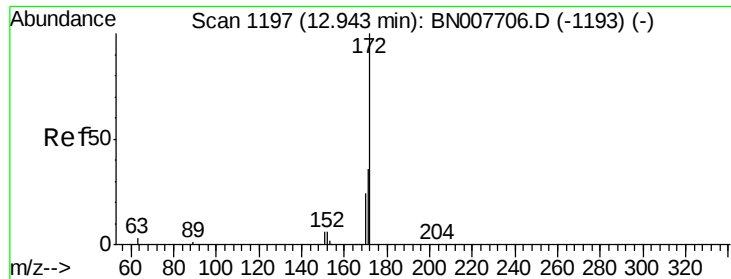
Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 873   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 0.0   | 0.0   | 0.0   |
| 141       | 52.5  | 28.7  | 43.1# |





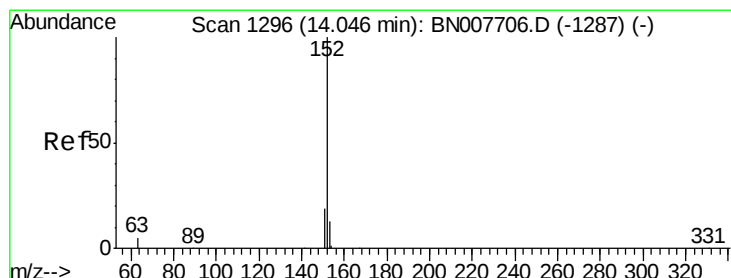
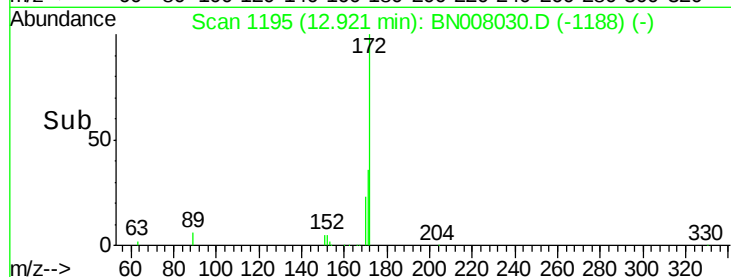
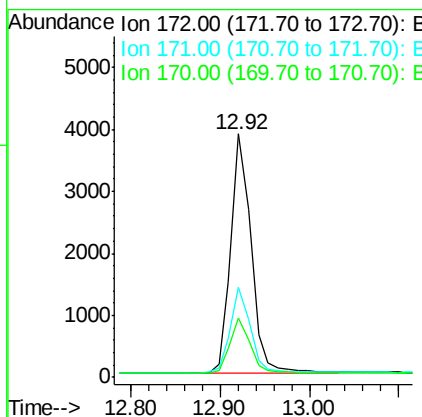
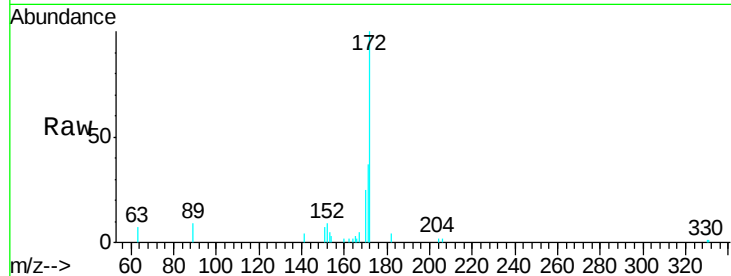
#15  
2-Fluorobiphenyl  
Concen: 0.143 ng  
RT: 12.92 min Scan# 1195  
Delta R.T. -0.02 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW067-092519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.8  | 43.2  |
| 170     | 24.5  | 19.5  | 29.3  |

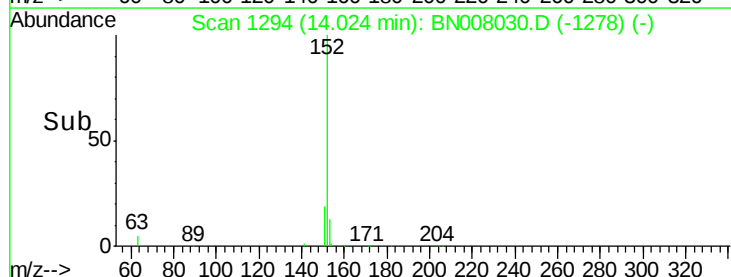
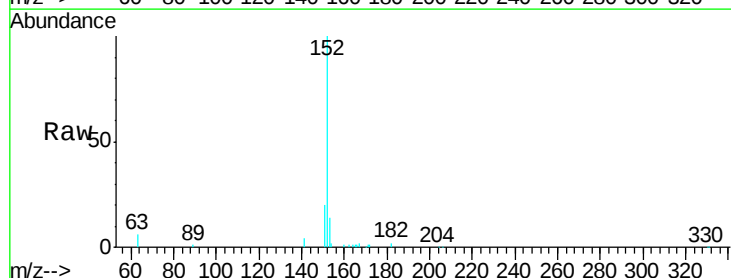
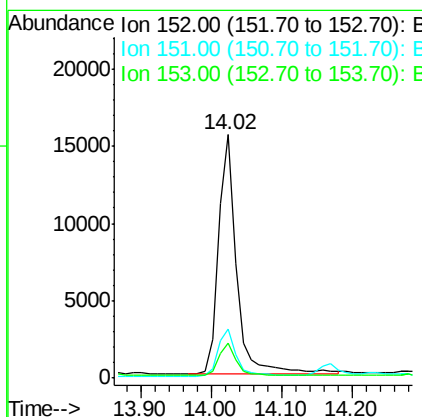
Manual Integrations  
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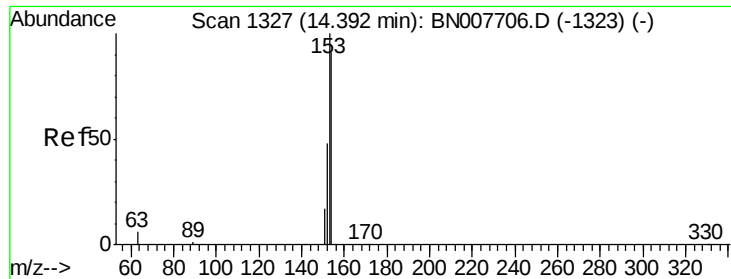
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#16  
Acenaphthylene  
Concen: 0.496 ng  
RT: 14.02 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.5  | 23.3  |
| 153     | 13.0  | 10.4  | 15.6  |





#17

Acenaphthene

Concen: 0.057 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

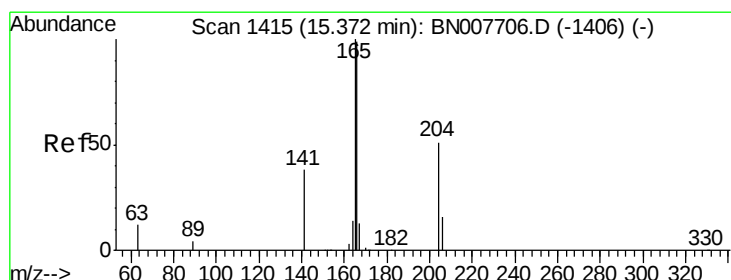
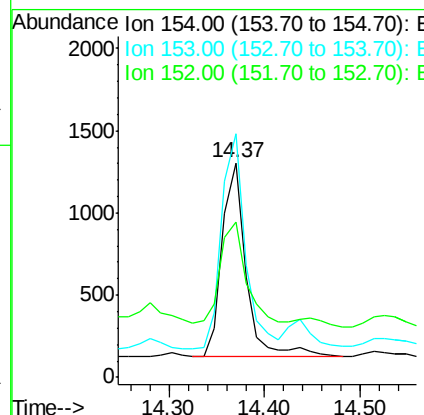
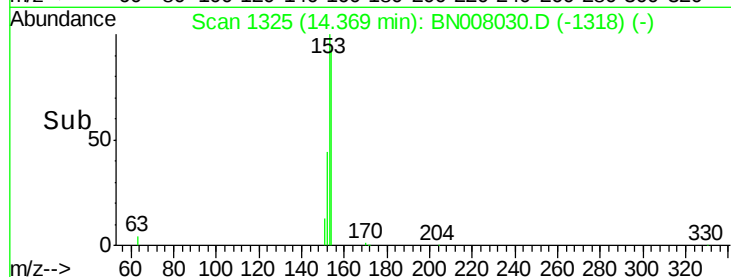
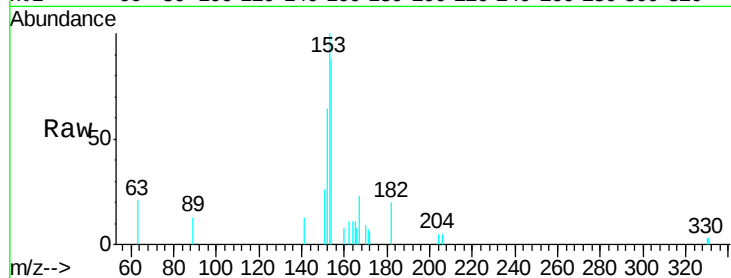
ClientSampleId :

EXT-024-SW067-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2070  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 109.2 | 87.0  | 130.4 |
| 152       | 57.0  | 42.7  | 64.1  |

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#18

Fluorene

Concen: 0.103 ng

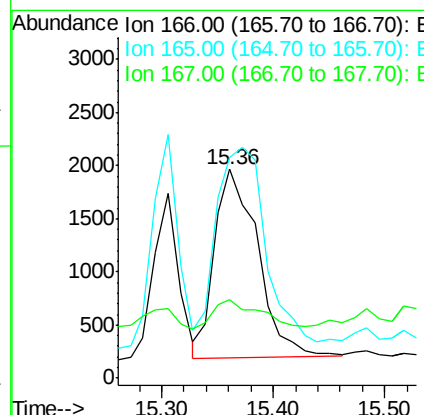
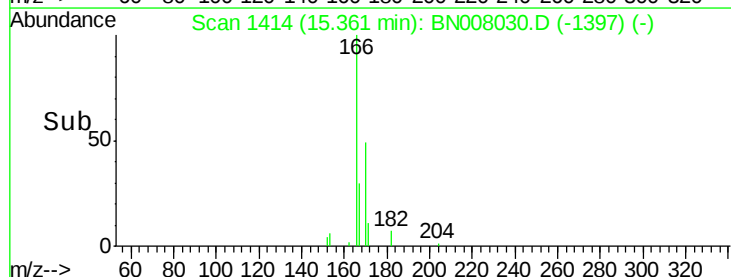
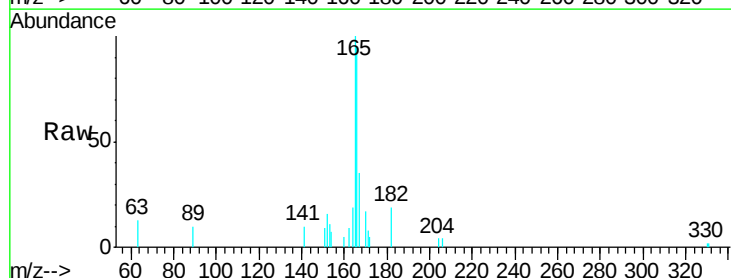
RT: 15.36 min Scan# 1414

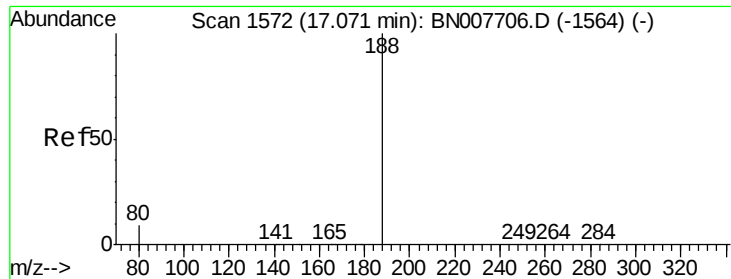
Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 4784   |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 117.9 | 78.0  | 117.0# |
| 167       | 16.4  | 10.9  | 16.3#  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

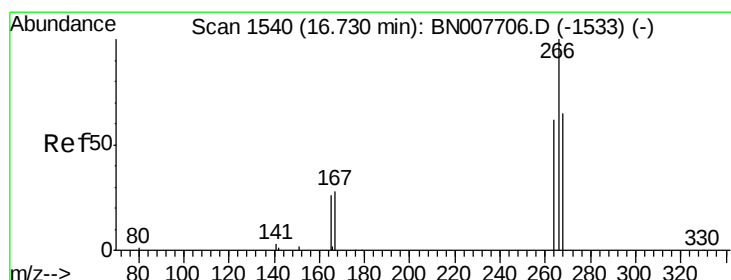
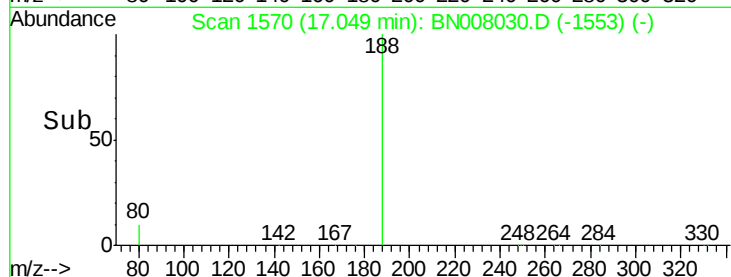
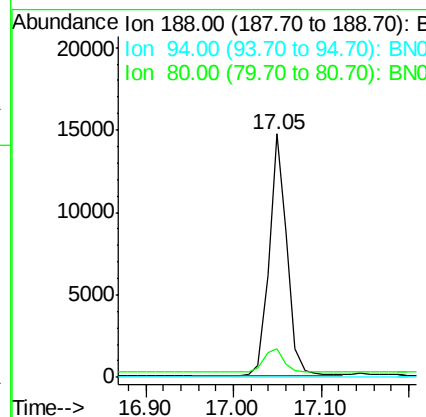
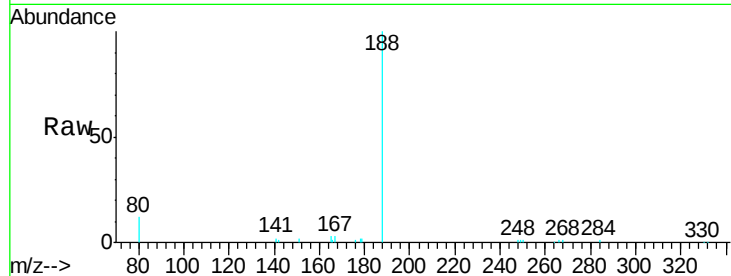
ClientSampleId :

EXT-024-SW067-092519

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 20747 |       |       |
| 94      | 0.0   | 0.0   | 0.0   |       |
| 80      | 11.9  | 7.4   | 11.2# |       |

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#22

Pentachlorophenol

Concen: 0.031 ng

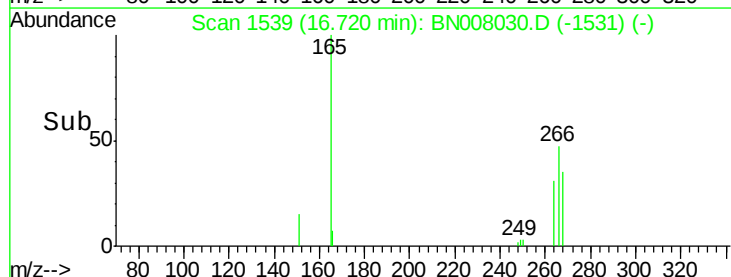
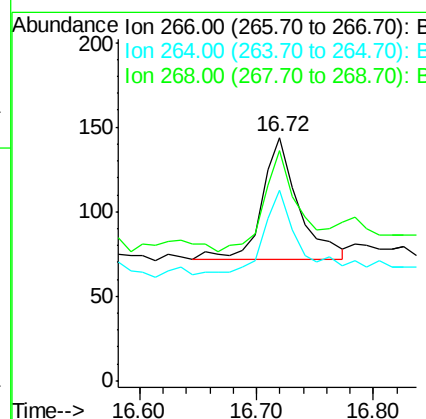
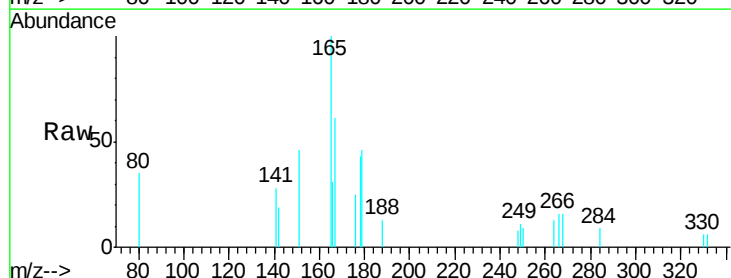
RT: 16.72 min Scan# 1539

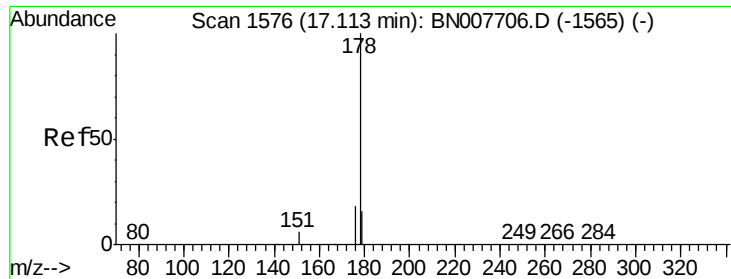
Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   | 155  |       |       |
| 264     | 78.5  | 50.0 | 75.0# |       |
| 268     | 94.4  | 54.2 | 81.4# |       |





#23

Phenanthrene

Concen: 1.370 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

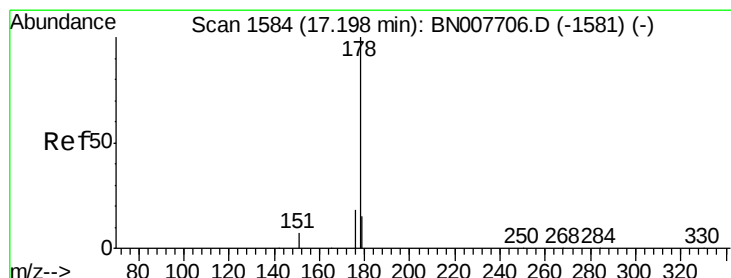
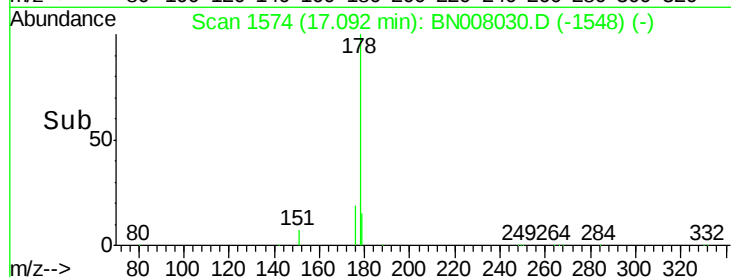
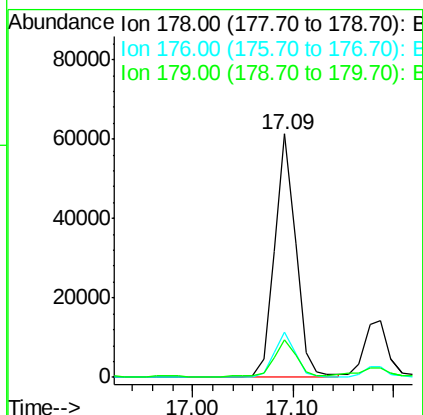
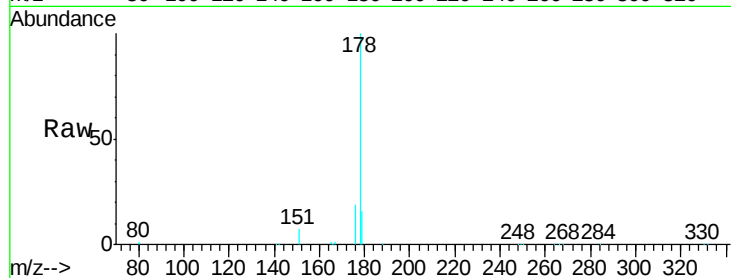
ClientSampleId :

EXT-024-SW067-092519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 88546 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.5  | 14.9  | 22.3  |
| 179       | 15.6  | 12.5  | 18.7  |

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#24

Anthracene

Concen: 0.369 ng

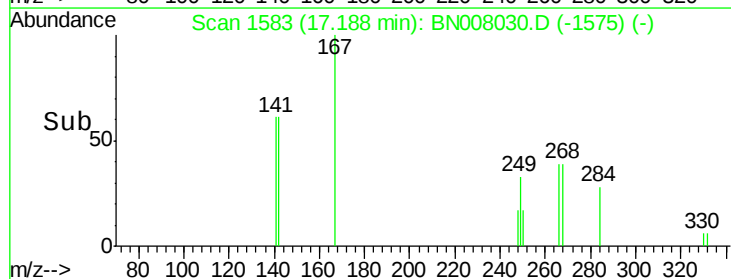
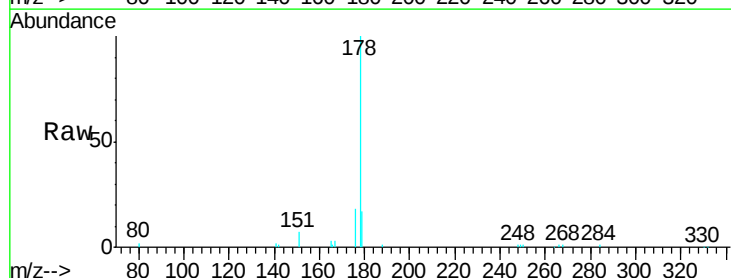
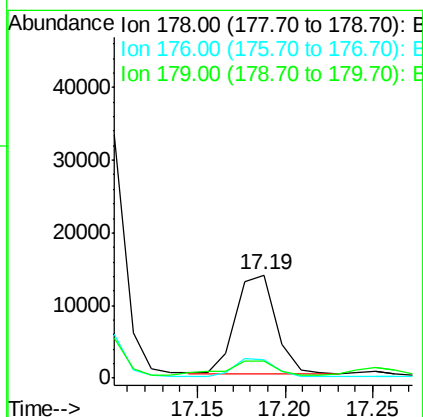
RT: 17.19 min Scan# 1583

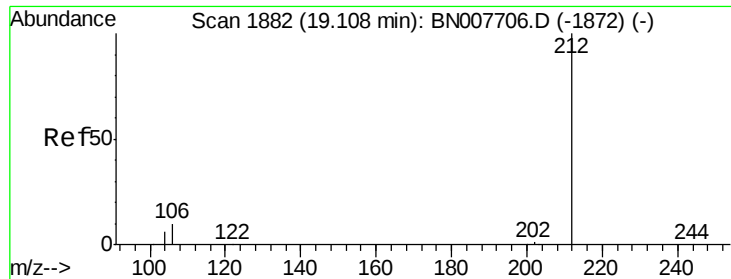
Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 21533 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.1  | 14.6  | 21.8  |
| 179       | 17.4  | 12.2  | 18.4  |





#25

Fluoranthene-d10

Concen: 0.155 ng

RT: 19.09 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

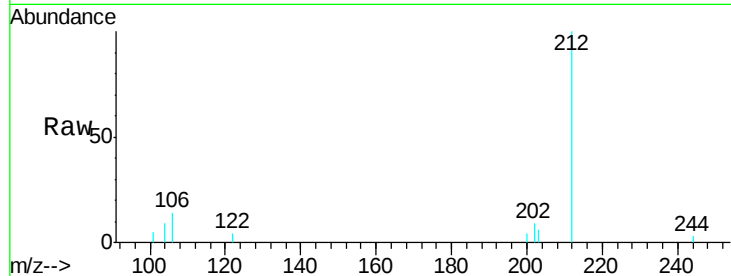
ClientSampleId :

EXT-024-SW067-092519

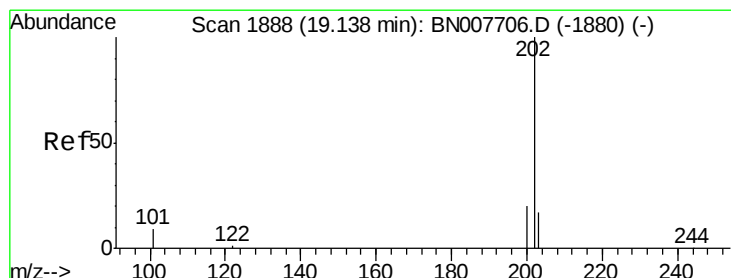
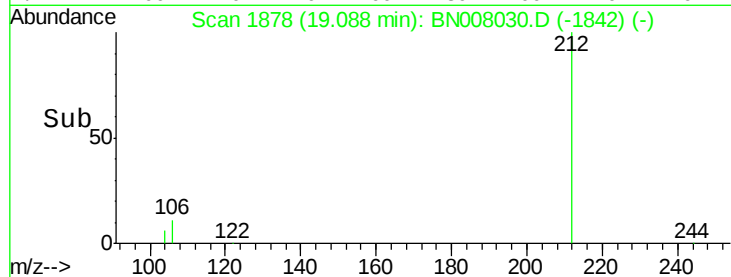
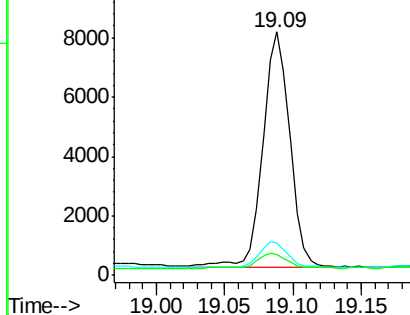
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 10868 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 11.0  | 9.4   | 14.0  |
| 104       | 7.9   | 5.3   | 7.9   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.652 ng

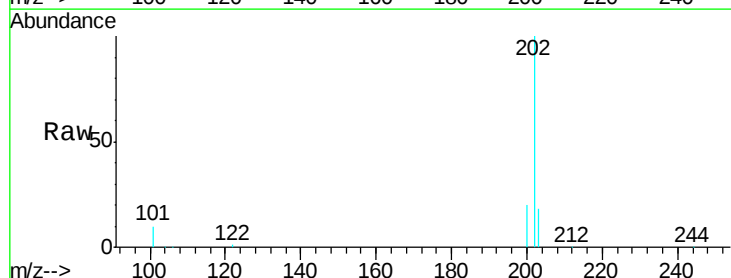
RT: 19.12 min Scan# 1884

Delta R.T. -0.02 min

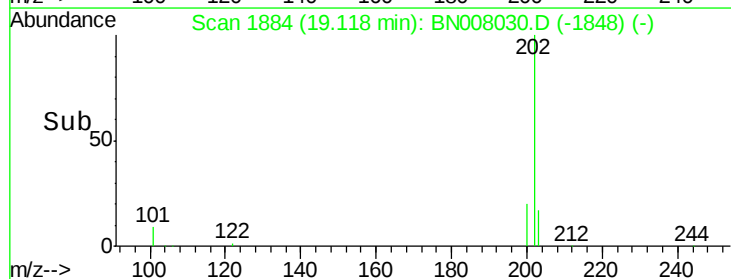
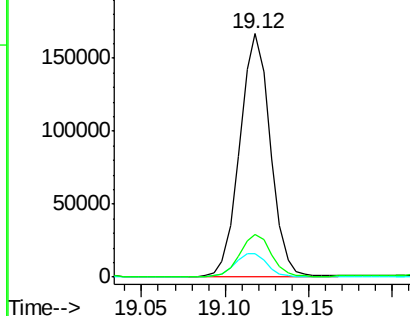
Lab File: BN008030.D

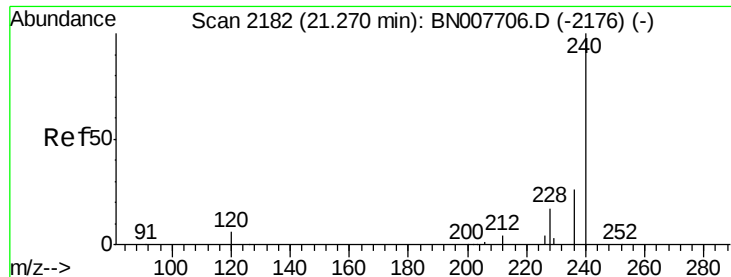
Acq: 05 Oct 2019 17:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 213145 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.1  | 8.4   | 12.6   |
| 203       | 17.6  | 13.8  | 20.8   |



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

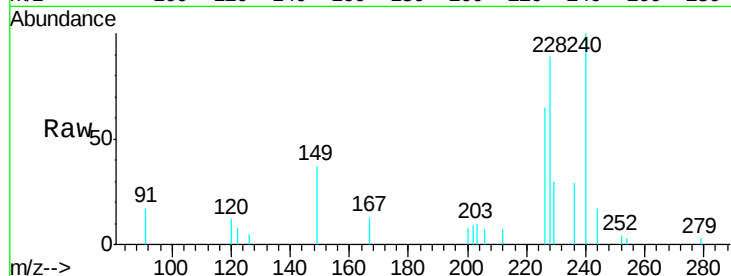
ClientSampleId :

EXT-024-SW067-092519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.6  | 5.4   | 8.2#  |
| 236     | 29.0  | 21.0  | 31.4  |

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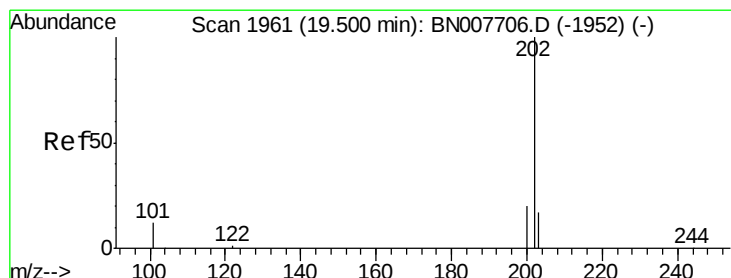
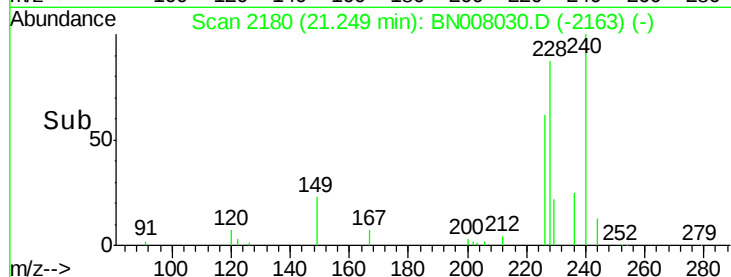
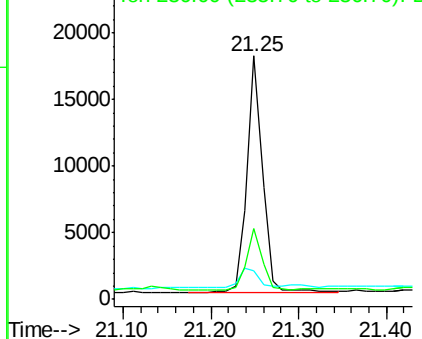
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 2.881 ng

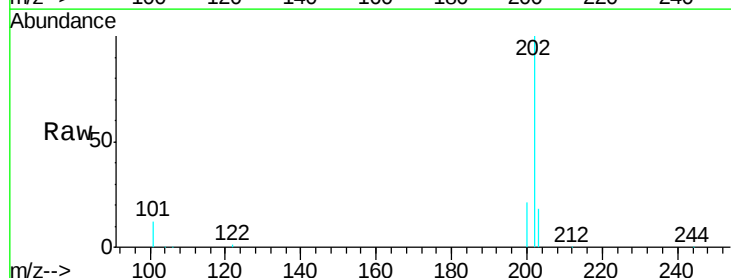
RT: 19.48 min Scan# 1957

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

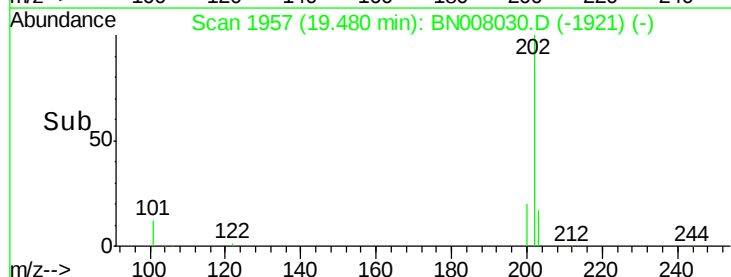
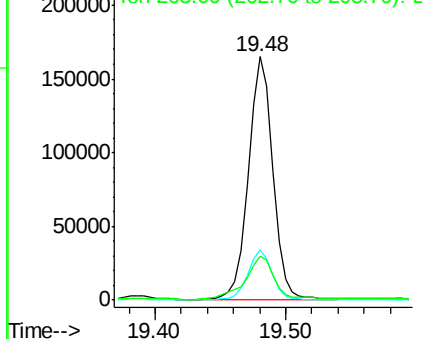
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.4  | 16.4  | 24.6  |
| 203     | 21.0  | 14.1  | 21.1  |

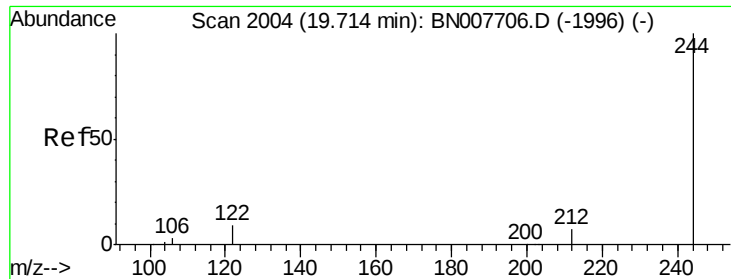


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.166 ng

RT: 19.69 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BN008030.D

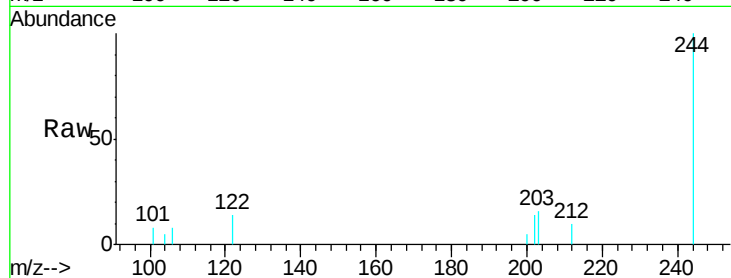
Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

ClientSampleId :

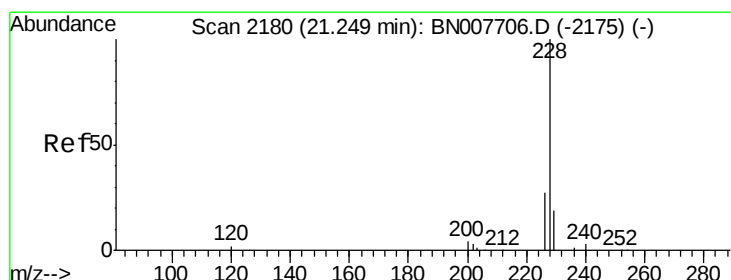
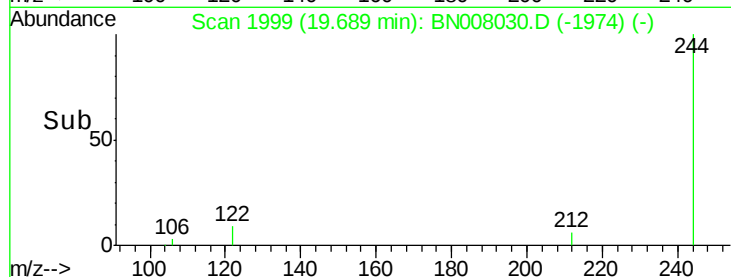
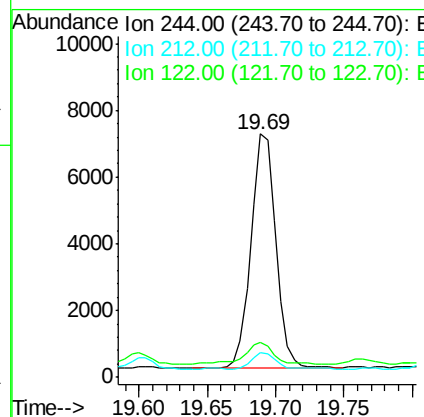
EXT-024-SW067-092519



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.2  | 5.9   | 8.9#  |
| 122     | 14.5  | 7.4   | 11.2# |

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#30

Benzo(a)anthracene

Concen: 1.177 ng m

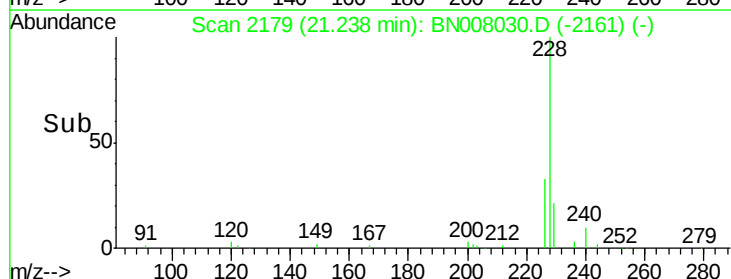
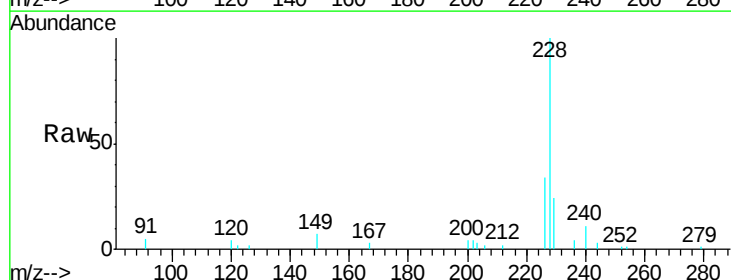
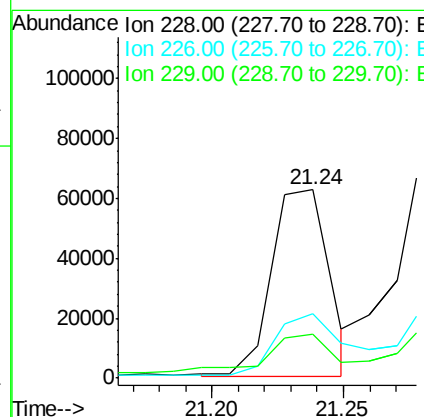
RT: 21.24 min Scan# 2179

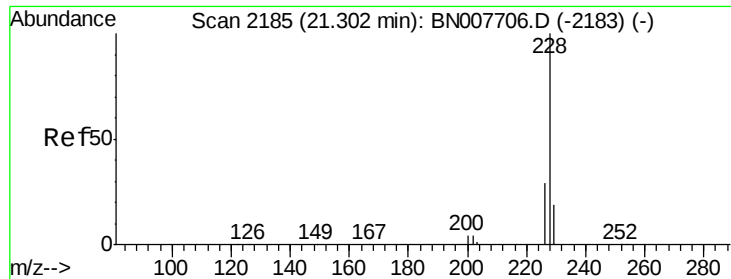
Delta R.T. -0.01 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.4  | 22.1  | 33.1# |
| 229     | 23.6  | 15.8  | 23.6  |





#31

Chrysene

Concen: 1.629 ng

RT: 21.28 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

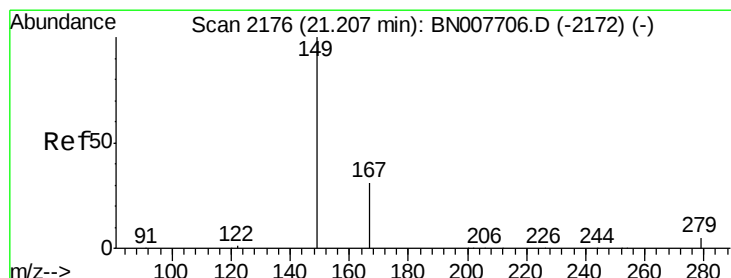
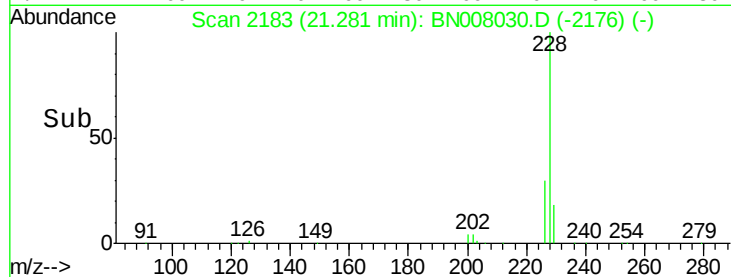
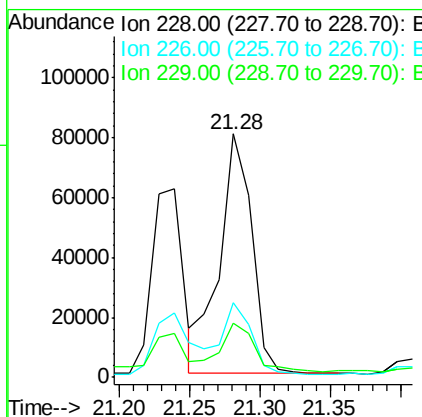
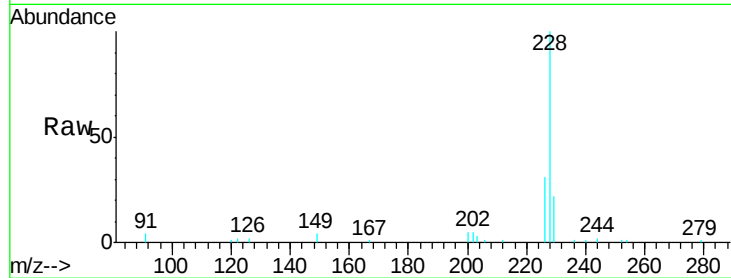
ClientSampleId :

EXT-024-SW067-092519

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 228  | Resp: | 128011 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 30.8 | 23.9  | 35.9   |
| 229       | 22.5 | 15.8  | 23.6   |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 1.115 ng

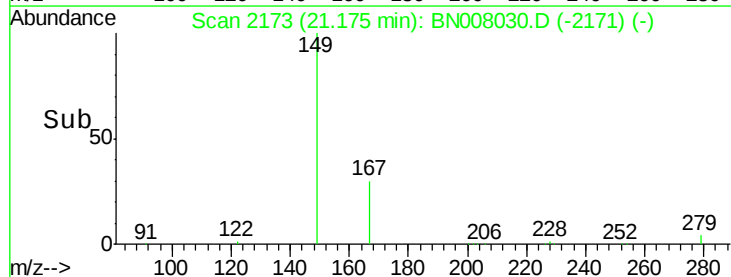
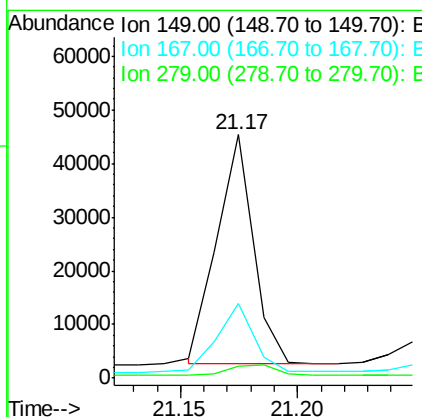
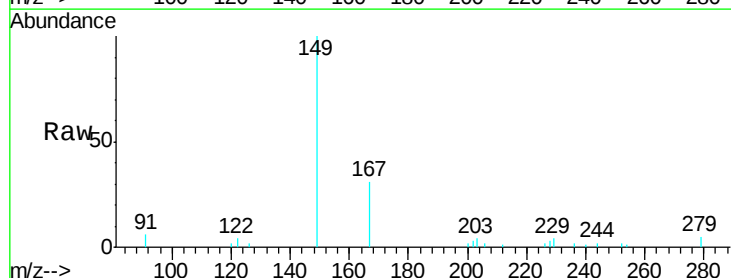
RT: 21.17 min Scan# 2173

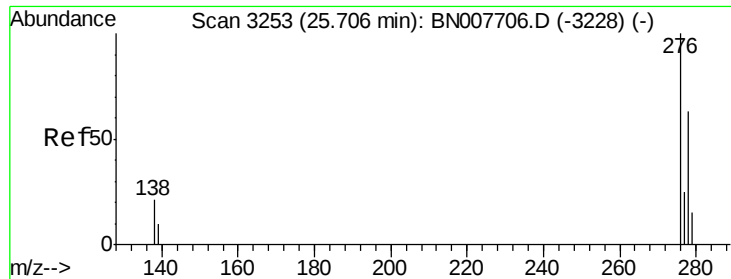
Delta R.T. -0.03 min

Lab File: BN008030.D

Acq: 05 Oct 2019 17:39

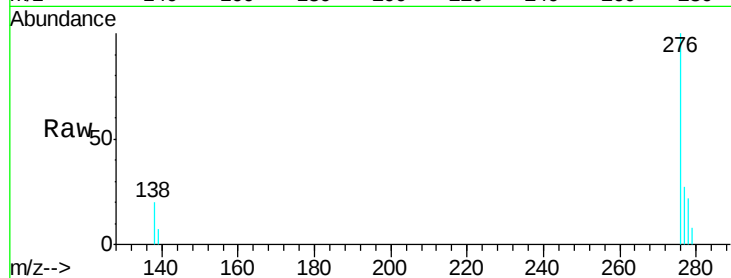
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 149  | Resp: | 46246 |
| Ion Ratio |      | Lower | Upper |
| 149       | 100  |       |       |
| 167       | 29.4 | 23.7  | 35.5  |
| 279       | 5.6  | 4.2   | 6.2   |





#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.819 ng  
 RT: 25.67 min Scan# 3242  
 Delta R.T. -0.04 min  
 Lab File: BN008030.D  
 Acq: 05 Oct 2019 17:39

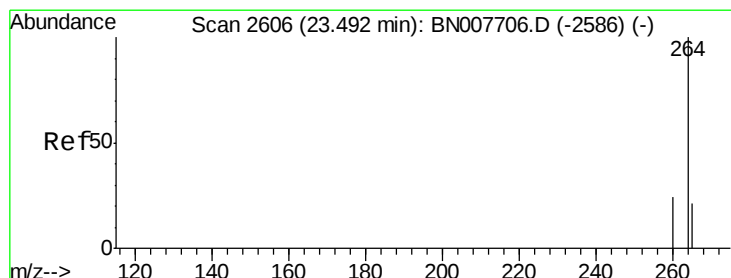
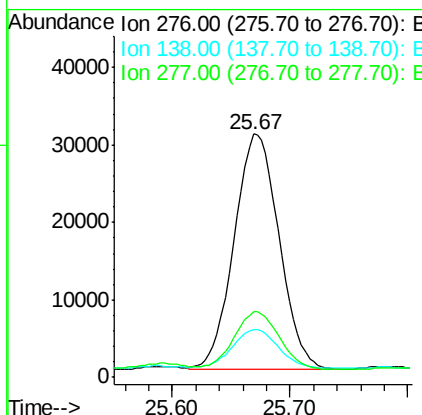
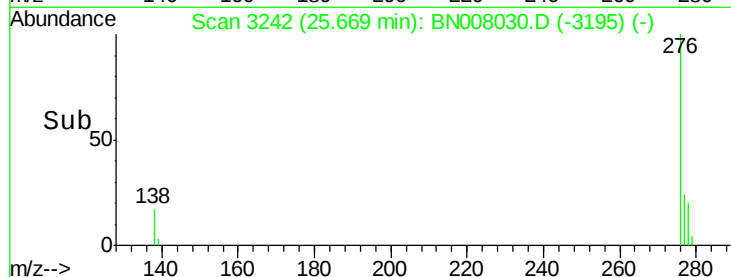
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-024-SW067-092519



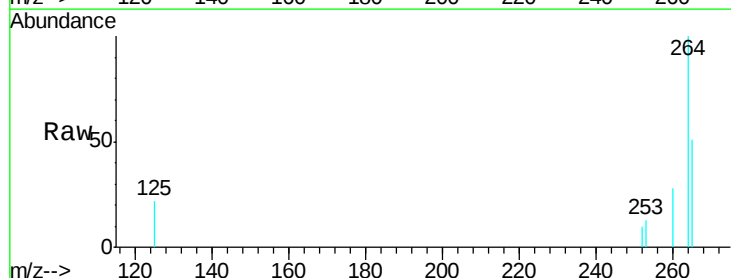
Tgt Ion: 276 Resp: 80578  
 Ion Ratio Lower Upper  
 276 100  
 138 16.7 17.1 25.7#  
 277 24.9 20.0 30.0

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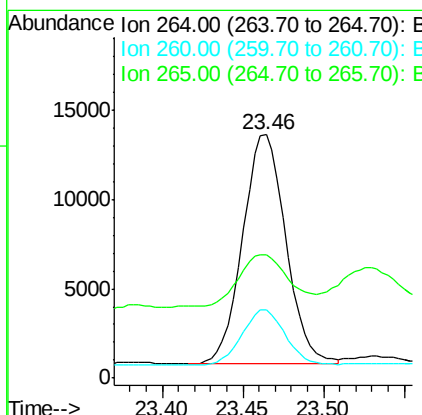
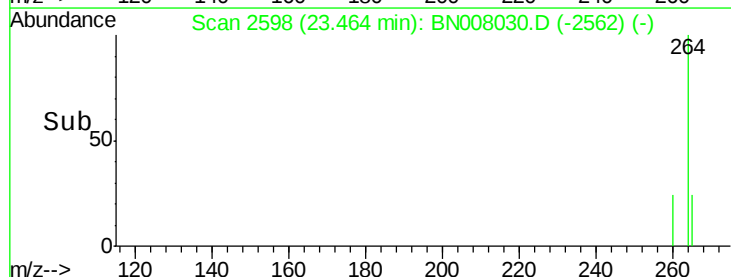
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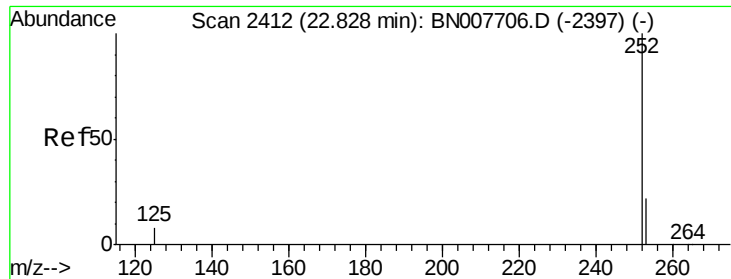


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.46 min Scan# 2598  
 Delta R.T. -0.03 min  
 Lab File: BN008030.D  
 Acq: 05 Oct 2019 17:39



Tgt Ion: 264 Resp: 23843  
 Ion Ratio Lower Upper  
 264 100  
 260 27.9 19.3 28.9  
 265 50.6 26.9 40.3#





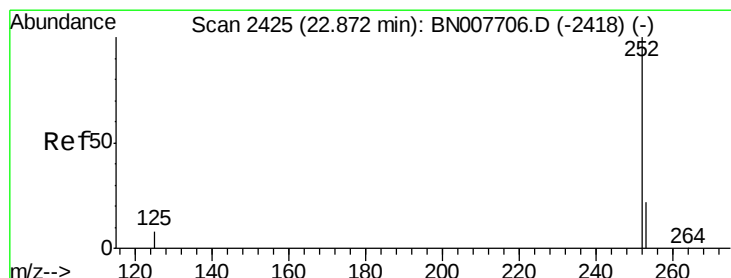
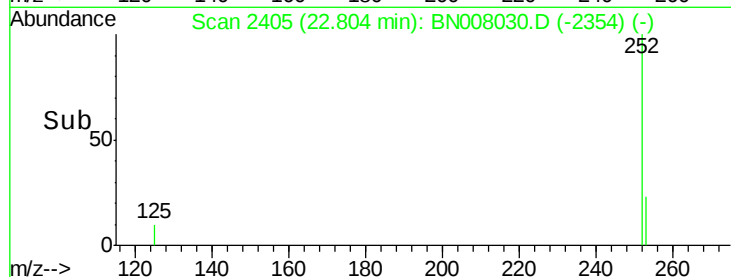
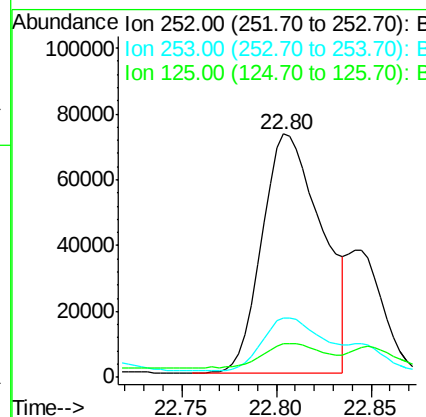
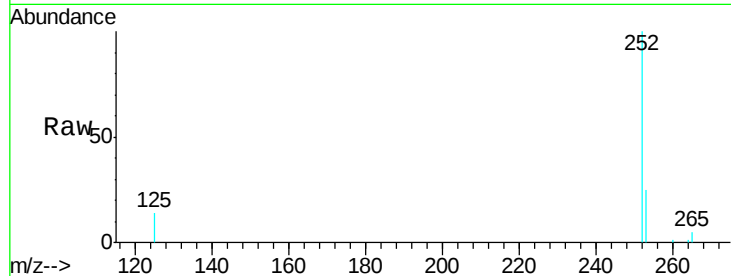
#35  
Benzo(b)fluoranthene  
Concen: 1.933 ng  
RT: 22.80 min Scan# 2405  
Delta R.T. -0.02 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW067-092519

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 24.6  | 18.3       | 27.5       |
| 125     | 13.8  | 8.2        | 12.4       |

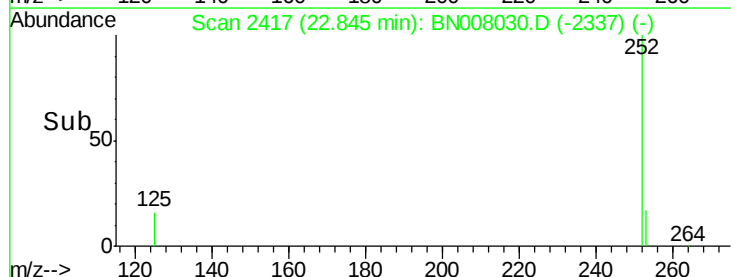
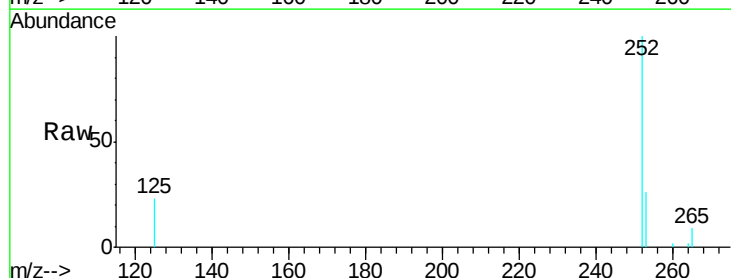
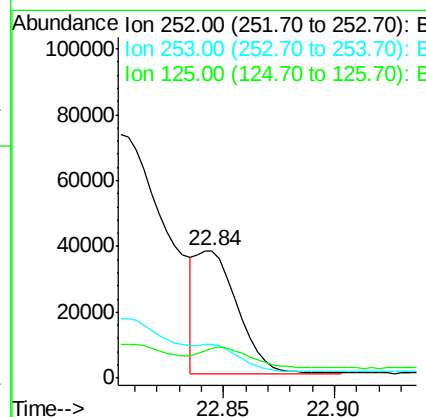
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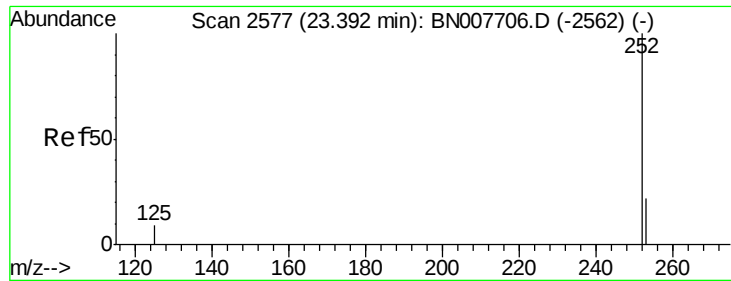
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10/7/2019 4:39:48 PM



#36  
Benzo(k)fluoranthene  
Concen: 0.618 ng m  
RT: 22.84 min Scan# 2417  
Delta R.T. -0.03 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 26.4  | 18.5       | 27.7       |
| 125     | 23.2  | 8.4        | 12.6       |





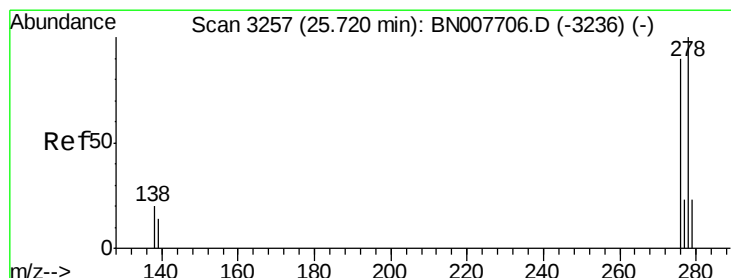
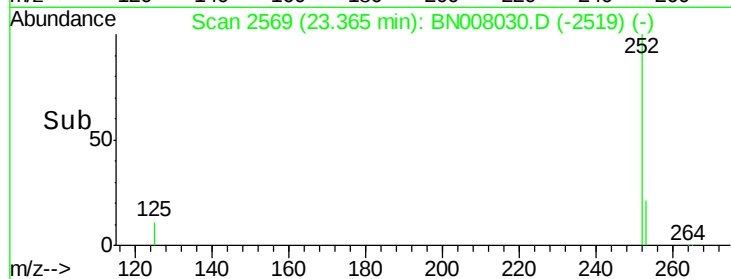
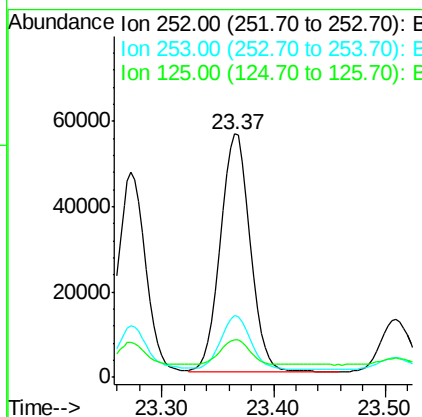
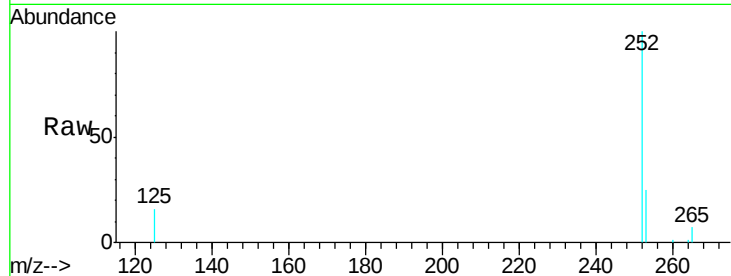
#37  
Benzo(a)pyrene  
Concen: 1.317 ng  
RT: 23.37 min Scan# 2569  
Delta R.T. -0.03 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-024-SW067-092519

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 102443 |       |       |
| 253     | 25.2  | 18.6   | 27.8  |       |
| 125     | 15.6  | 9.4    | 14.0# |       |

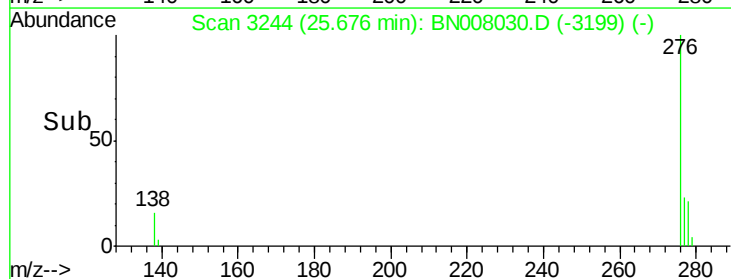
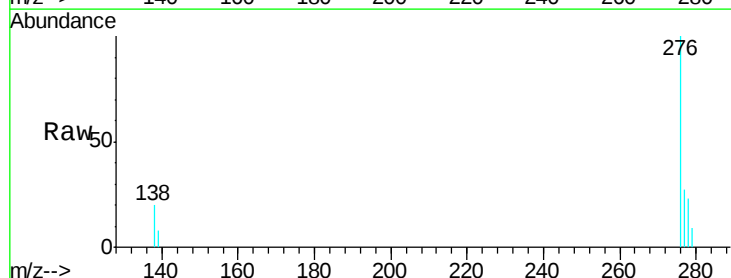
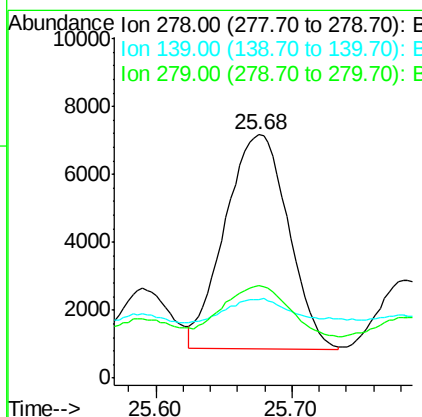
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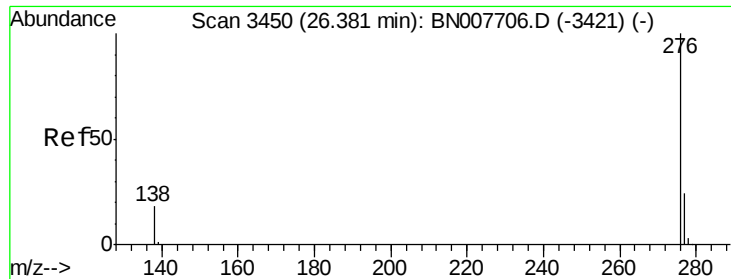
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.256 ng  
RT: 25.68 min Scan# 3244  
Delta R.T. -0.04 min  
Lab File: BN008030.D  
Acq: 05 Oct 2019 17:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 278     | 100   | 20359 |       |       |
| 139     | 32.3  | 11.8  | 17.6# |       |
| 279     | 37.8  | 19.4  | 29.2# |       |





#39

Benzo(g,h,i)perylene

Concen: 1.063 ng

RT: 26.35 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BN008030.D

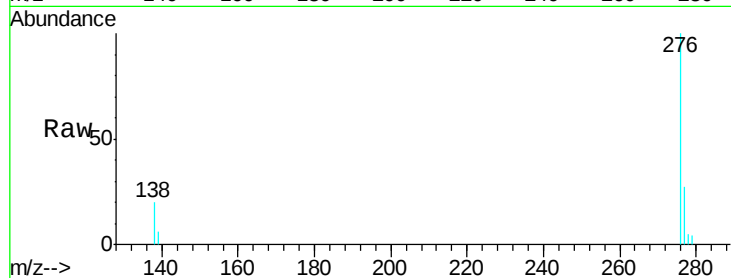
Acq: 05 Oct 2019 17:39

Instrument :

BNA\_N

ClientSampleId :

EXT-024-SW067-092519



| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 276 | 100  |       |       |       |
| 277 | 26.7 | 19.8  | 29.8  |       |
| 138 | 20.1 | 15.1  | 22.7  |       |

Manual Integrations  
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