

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\  
 Data File : BN004882.D  
 Acq On : 22 Mar 2019 10:41  
 Operator : JU/SJ  
 Sample : K1817-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW017-030719

Manual Integrations  
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Sohil  
 3/25/2019 8:52:37 AM

Quant Time: Mar 22 22:29:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 2116     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 9879     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.33 | 164  | 6139     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.09 | 188  | 15419    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.29 | 240  | 20213    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.54 | 264  | 21205    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.29  | 112 | 1983  | 0.34 | ng | 0.00  |
| 5) Phenol-d6                | 6.87  | 99  | 2679  | 0.37 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.86  | 82  | 1896  | 0.29 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152 | 4635  | 0.27 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 1115  | 0.26 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.95 | 172 | 6793  | 0.27 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.13 | 212 | 10577 | 0.20 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.72 | 244 | 7870  | 0.19 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.53 | 128 | 1350   | 0.049 | ng | # 88   |
| 12) 2-Methylnaphthalene        | 12.15 | 142 | 1064   | 0.052 | ng | 96     |
| 16) Acenaphthylene             | 14.05 | 152 | 2304   | 0.073 | ng | 97     |
| 17) Acenaphthene               | 14.40 | 154 | 3638   | 0.176 | ng | 100    |
| 18) Fluorene                   | 15.39 | 166 | 3905   | 0.135 | ng | # 96   |
| 23) Phenanthrene               | 17.13 | 178 | 84098  | 1.689 | ng | 99     |
| 24) Anthracene                 | 17.22 | 178 | 17339  | 0.390 | ng | # 91   |
| 26) Fluoranthene               | 19.15 | 202 | 106441 | 1.664 | ng | 99     |
| 28) Pyrene                     | 19.52 | 202 | 92279  | 1.497 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.27 | 228 | 55267  | 0.834 | ng | 98     |
| 31) Chrysene                   | 21.32 | 228 | 52582  | 0.753 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 7405   | 0.280 | ng | 98     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.81 | 276 | 23710  | 0.235 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 22.86 | 252 | 63048  | 0.822 | ng | # 95   |
| 36) Benzo(k)fluoranthene       | 22.90 | 252 | 22067m | 0.292 | ng |        |
| 37) Benzo(a)pyrene             | 23.44 | 252 | 43877  | 0.624 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.81 | 278 | 7102   | 0.087 | ng | # 78   |
| 39) Benzo(a,h,i)perylene       | 26.51 | 276 | 21060  | 0.254 | ng | 97     |

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

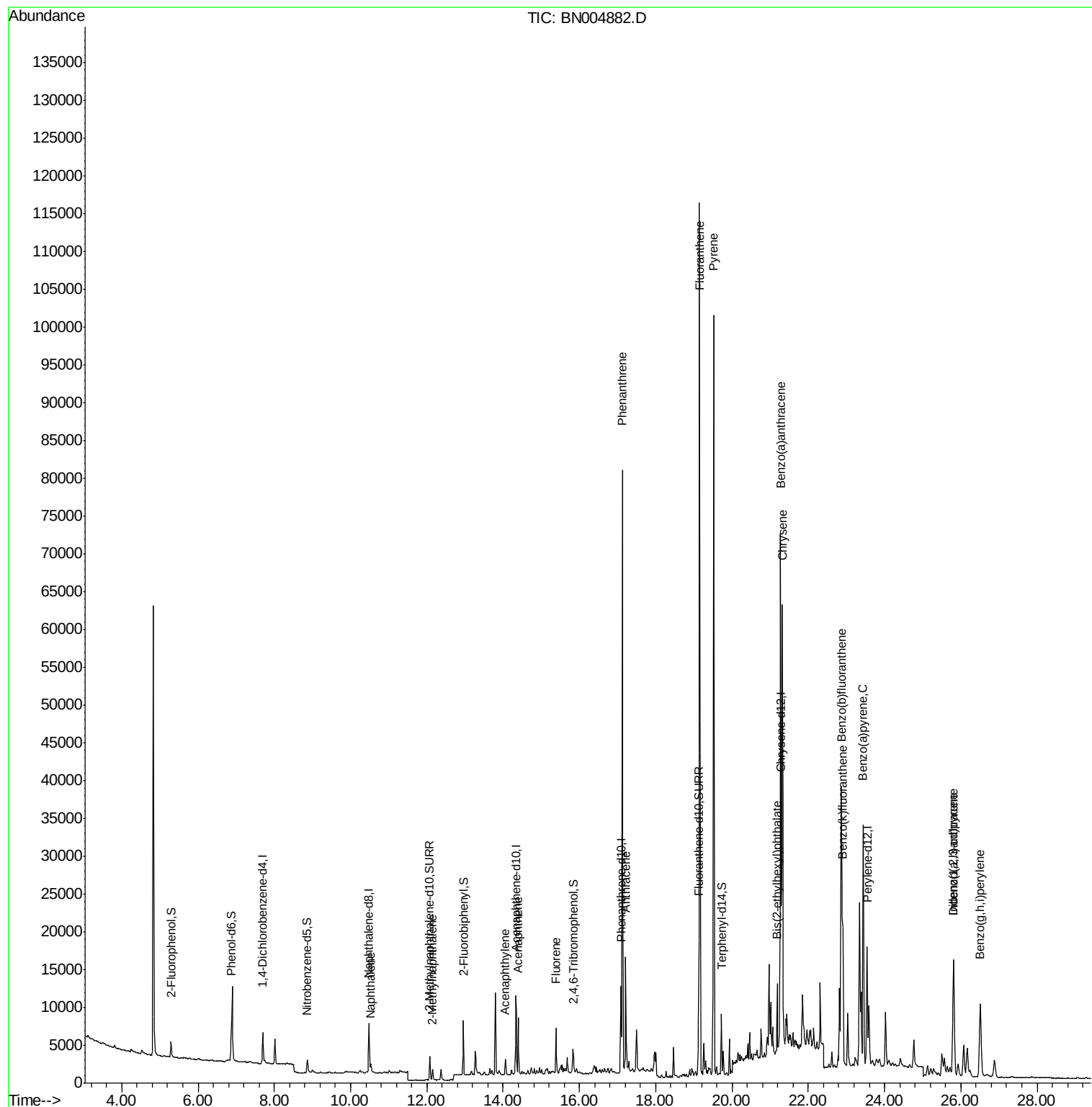
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\  
Data File : BN004882.D  
Acq On : 22 Mar 2019 10:41  
Operator : JU/SJ  
Sample : K1817-06  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

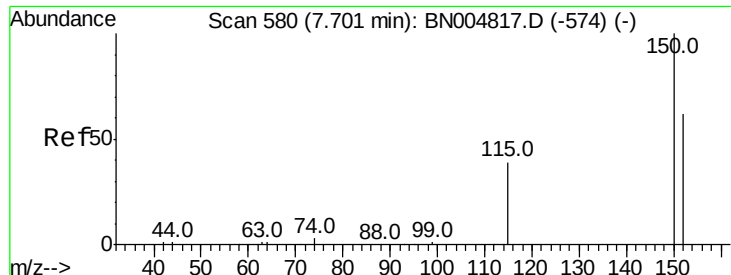
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

Quant Time: Mar 22 22:29:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 20 16:06:20 2019  
Response via : Initial Calibration

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#1

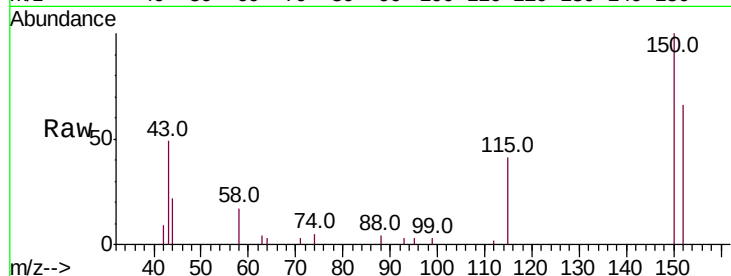
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 580  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.8 | 126.2 | 189.4 |
| 115     | 61.6  | 52.6  | 79.0  |

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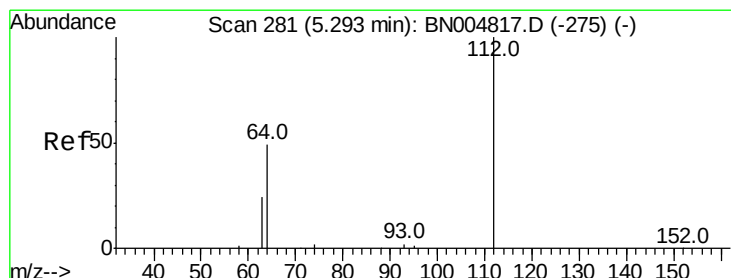
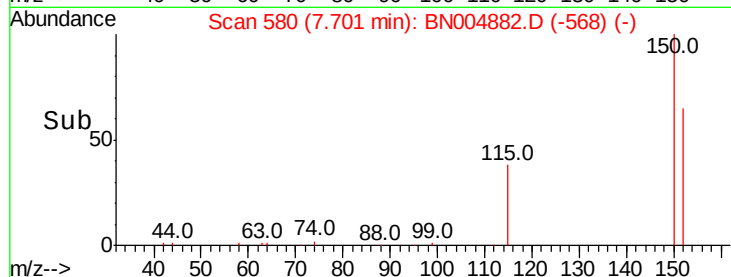
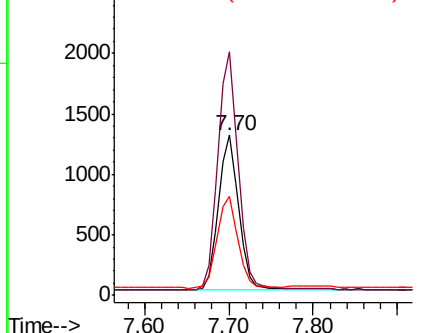


Abundance

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



#4

2-Fluorophenol  
Concen: 0.345 ng  
RT: 5.29 min Scan# 281  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

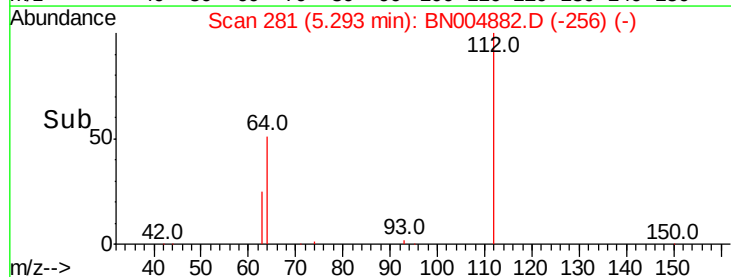
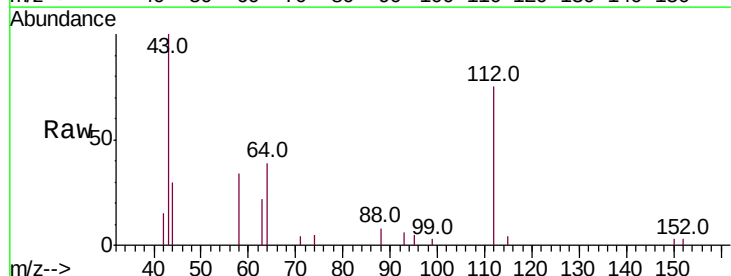
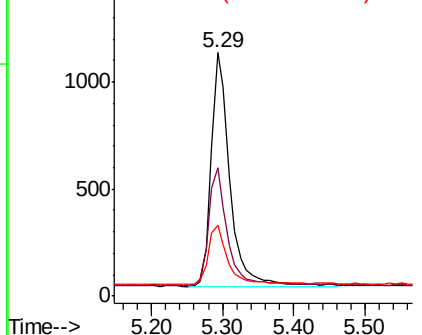
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 50.3  | 40.0  | 60.0  |
| 63      | 26.1  | 20.2  | 30.2  |

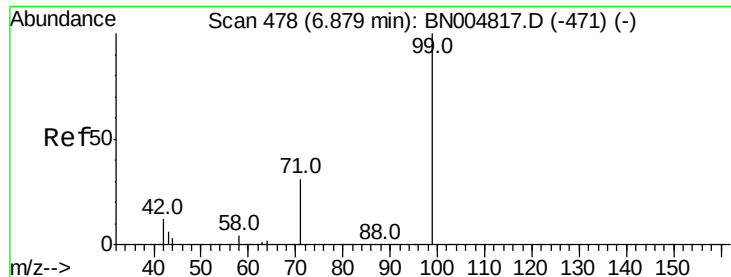
Abundance

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





#5

Phenol-d6

Concen: 0.374 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

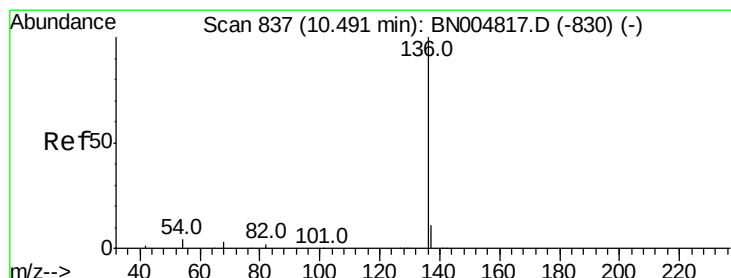
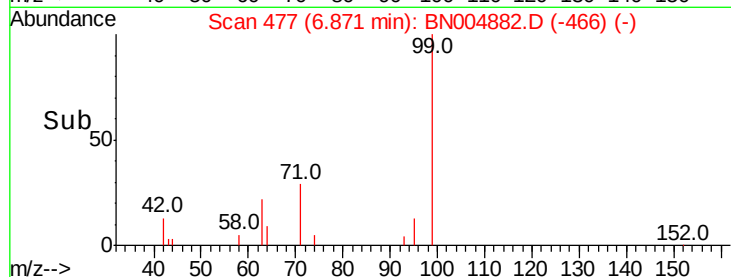
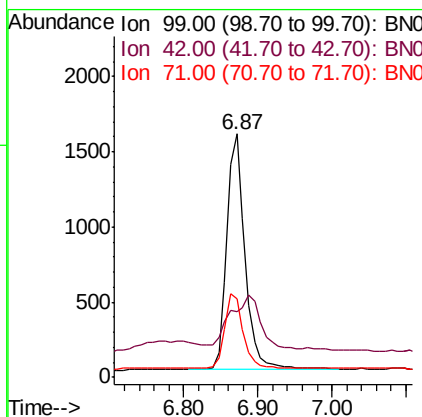
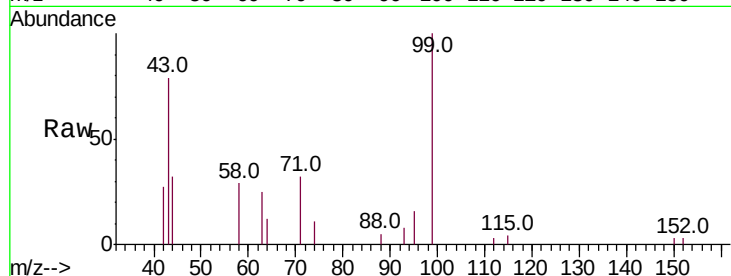
ClientSampleId :

EXT-027-SW017-030719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 2679  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 12.7  | 19.1# |
| 71        | 31.7  | 26.6  | 40.0  |

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#7

Naphthalene-d8

Concen: 0.400 ng

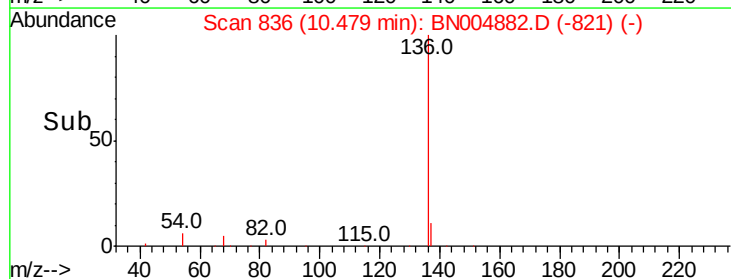
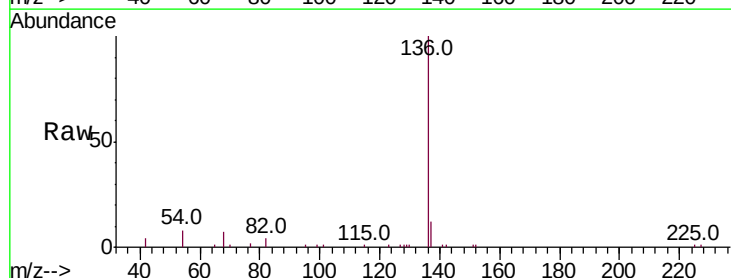
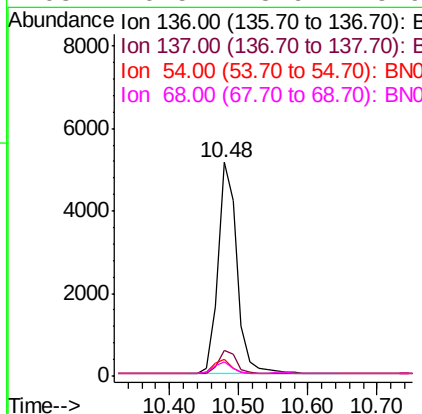
RT: 10.48 min Scan# 836

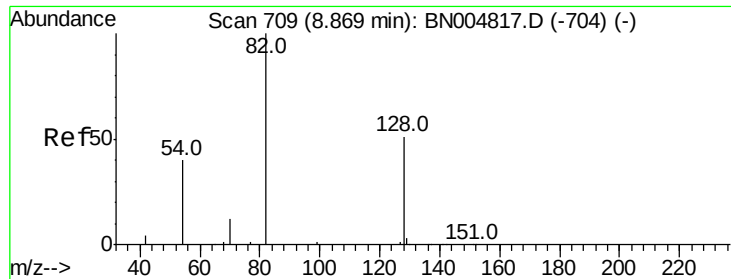
Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 9879 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.7  | 9.6   | 14.4 |
| 54        | 7.6   | 4.2   | 6.2# |
| 68        | 6.5   | 3.9   | 5.9# |





#8

Nitrobenzene-d5

Concen: 0.290 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

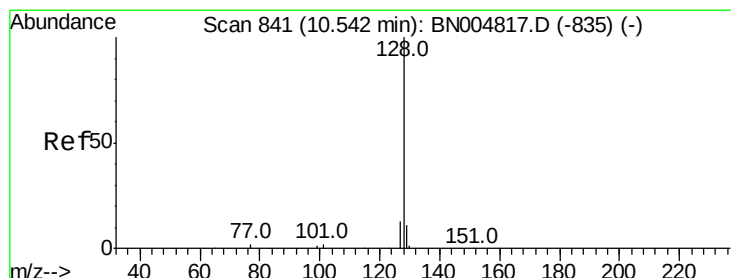
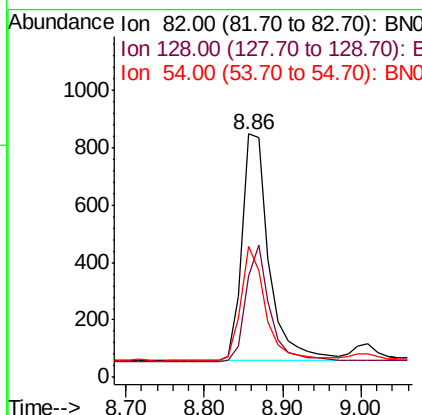
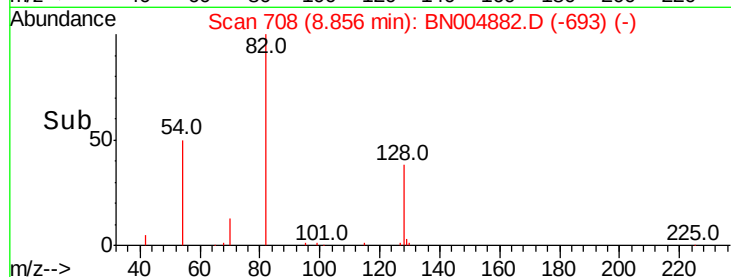
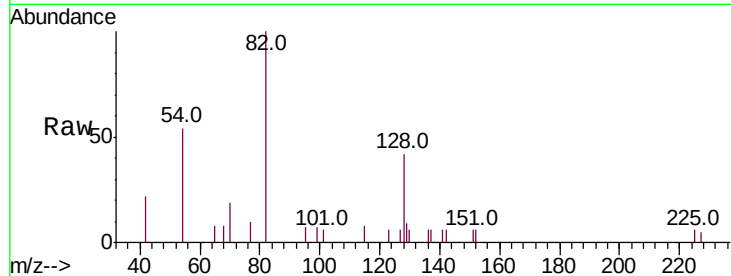
ClientSampleId :

EXT-027-SW017-030719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 1896  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 41.9  | 43.0  | 64.6# |
| 54        | 54.0  | 35.3  | 52.9# |

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#9

Naphthalene

Concen: 0.049 ng

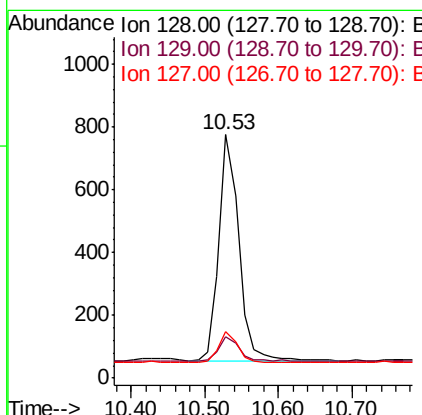
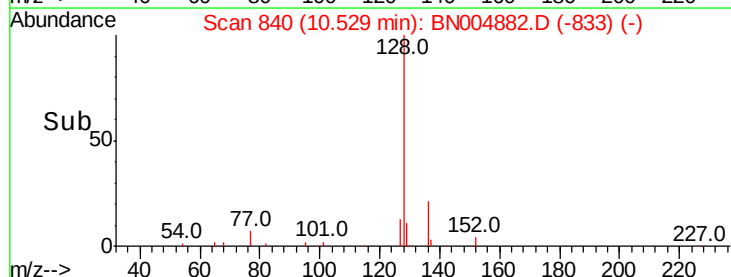
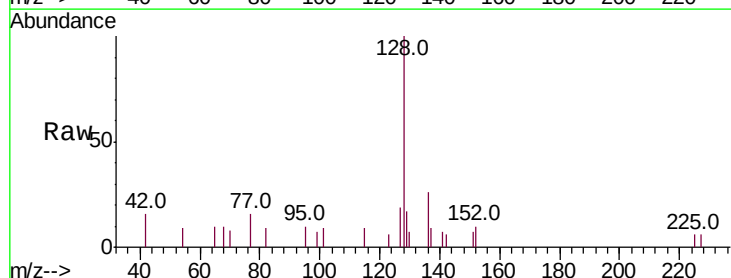
RT: 10.53 min Scan# 840

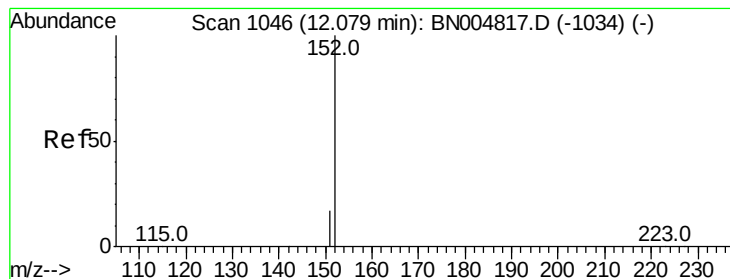
Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1350  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 17.3  | 9.9   | 14.9# |
| 127       | 18.9  | 11.3  | 16.9# |





#11

2-Methylnaphthalene-d10

Concen: 0.269 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW017-030719

Tot Ion:152 Resp: 4635

Ion Ratio Lower Upper

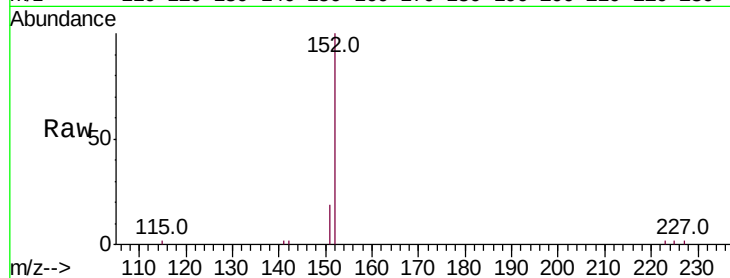
152 100

151 19.3 15.5 23.3

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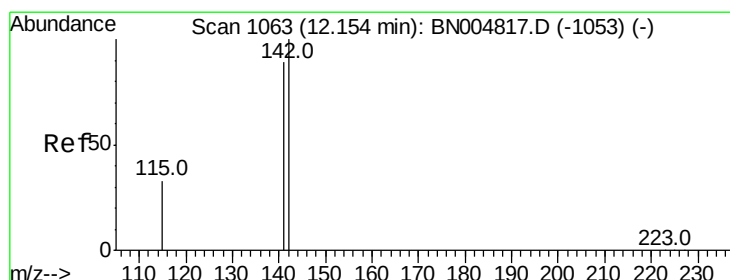
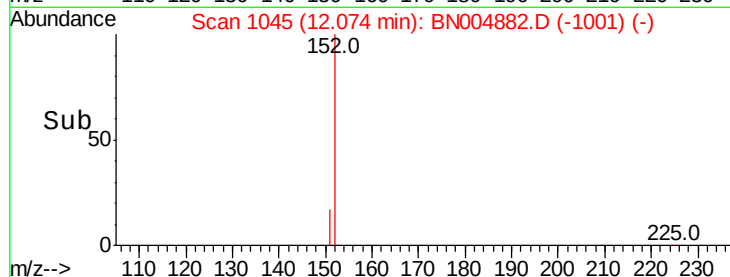
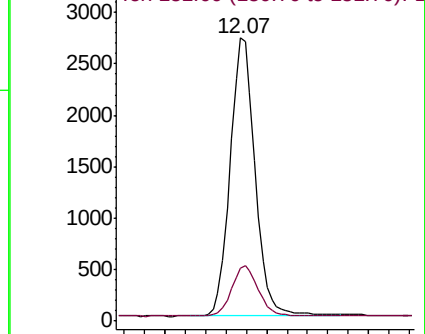
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.052 ng

RT: 12.15 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

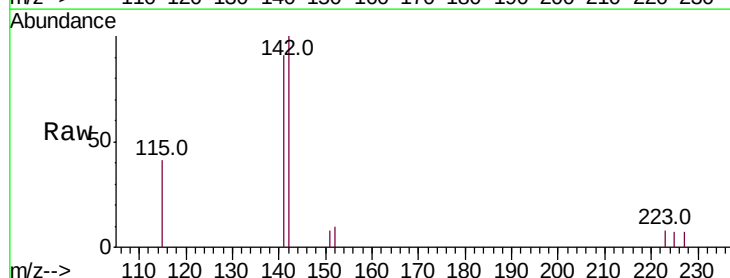
Tgt Ion:142 Resp: 1064

Ion Ratio Lower Upper

142 100

141 90.5 71.4 107.2

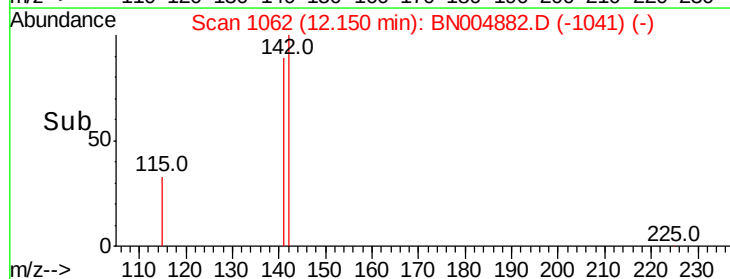
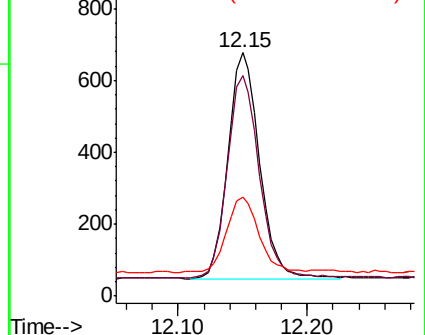
115 40.8 27.5 41.3

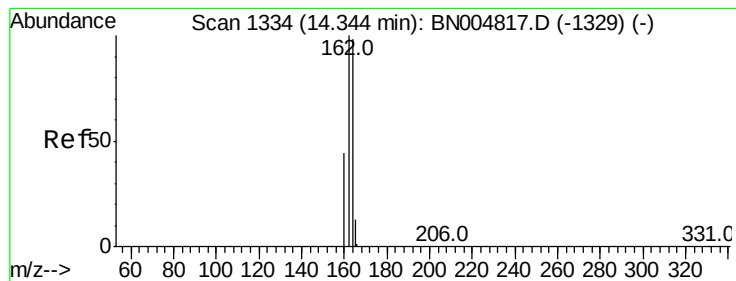


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

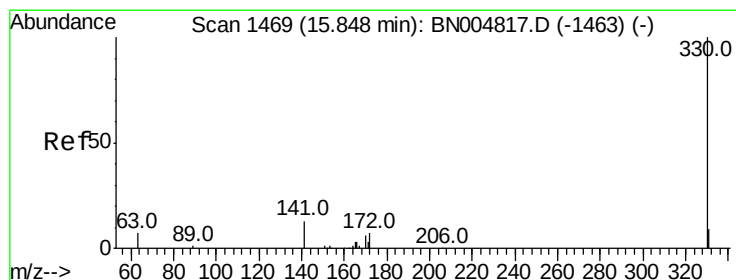
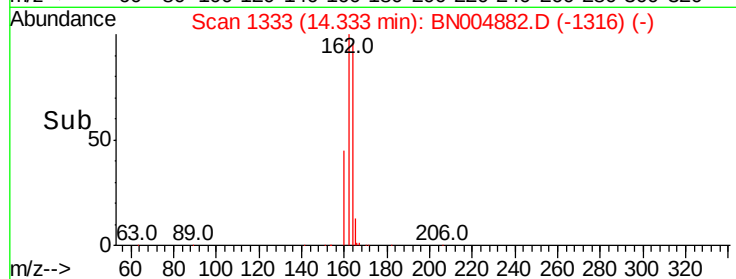
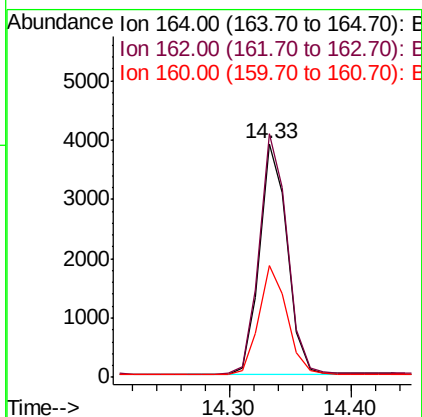
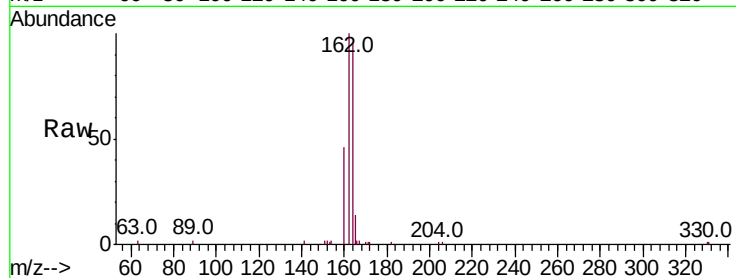
ClientSampleId :

EXT-027-SW017-030719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 6139  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.1 | 81.9  | 122.9 |
| 160       | 47.9  | 36.6  | 54.8  |

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#14

2,4,6-Tribromophenol

Concen: 0.263 ng

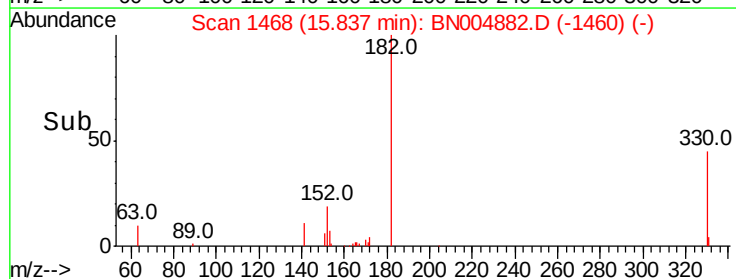
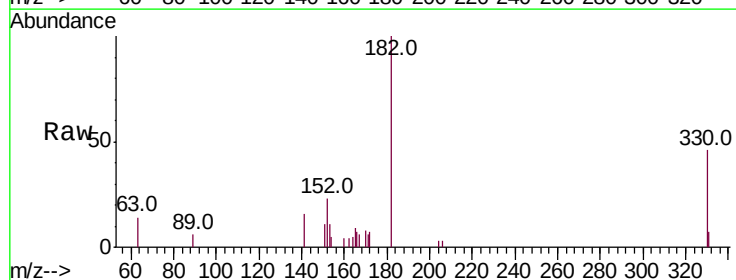
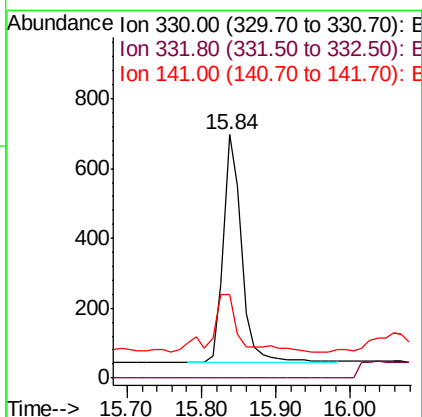
RT: 15.84 min Scan# 1468

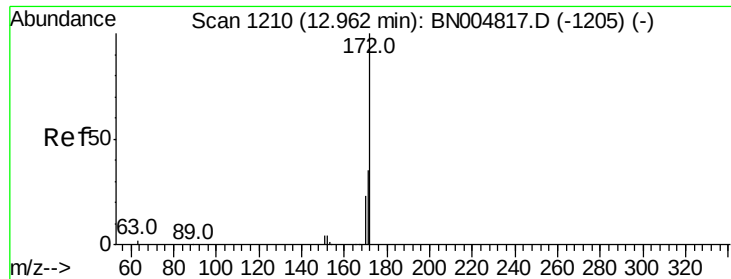
Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 1115  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 0.0   | 0.0   | 0.0   |
| 141       | 31.4  | 20.9  | 31.3# |





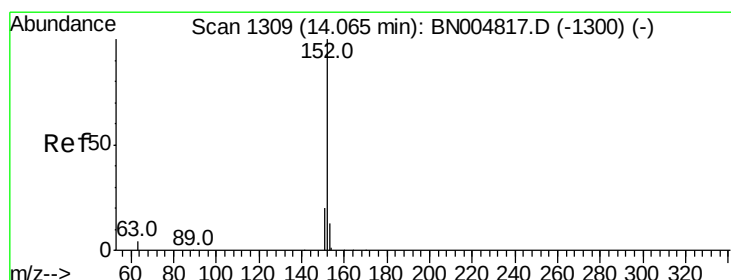
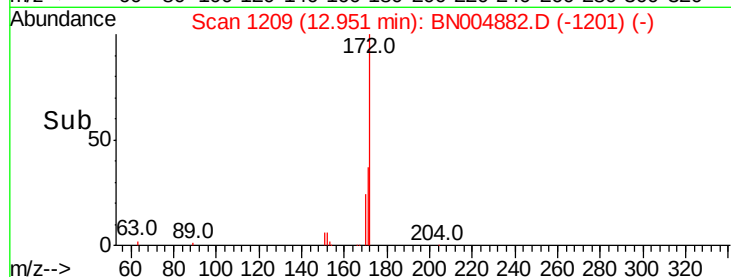
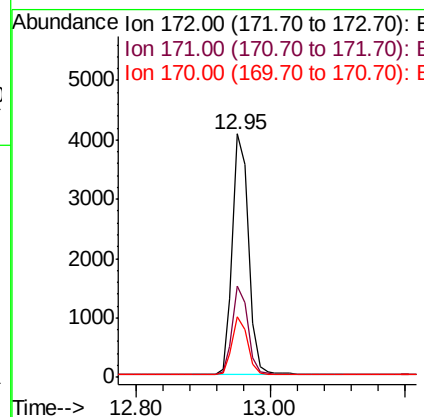
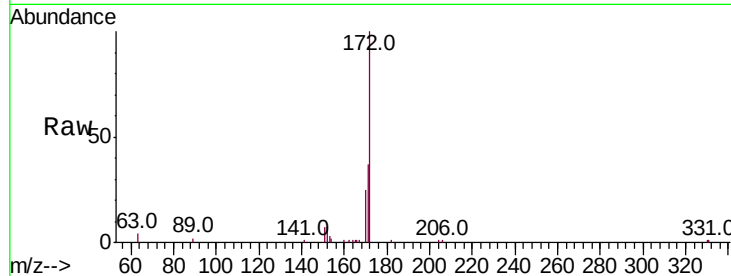
#15  
2-Fluorobiphenyl  
Concen: 0.268 ng  
RT: 12.95 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 28.7  | 43.1  |
| 170     | 25.0  | 18.7  | 28.1  |

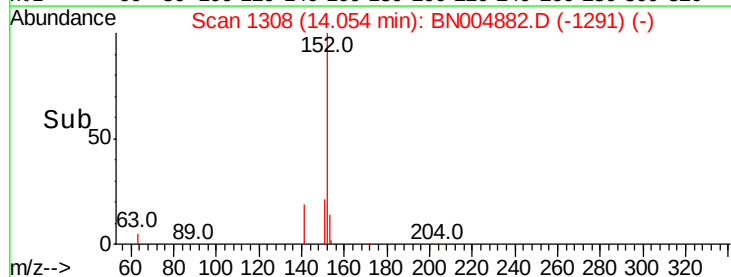
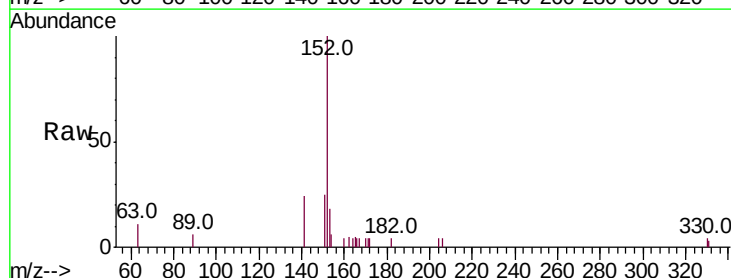
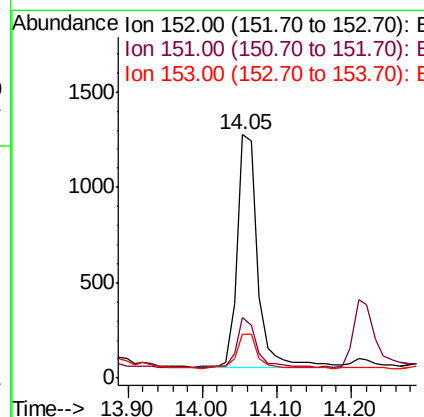
Manual Integrations  
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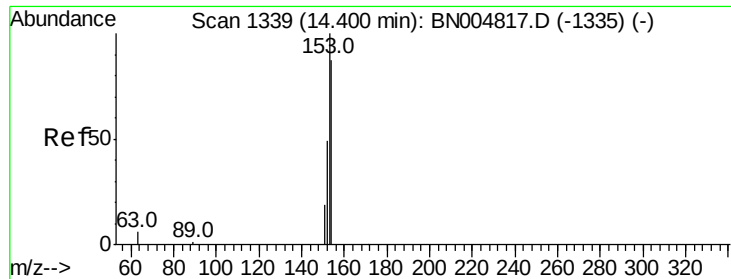


#16  
Acenaphthylene  
Concen: 0.073 ng  
RT: 14.05 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.3  | 16.1  | 24.1  |
| 153     | 15.5  | 10.5  | 15.7  |







#17

Acenaphthene

Concen: 0.176 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

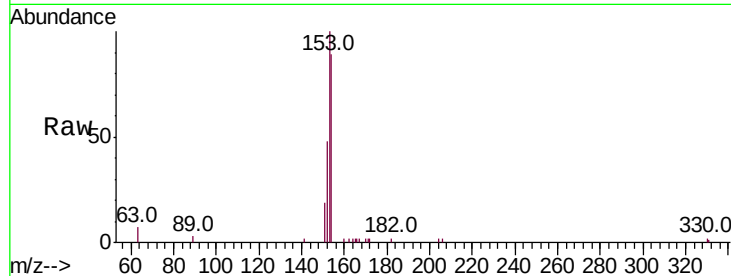
ClientSampleId :

EXT-027-SW017-030719

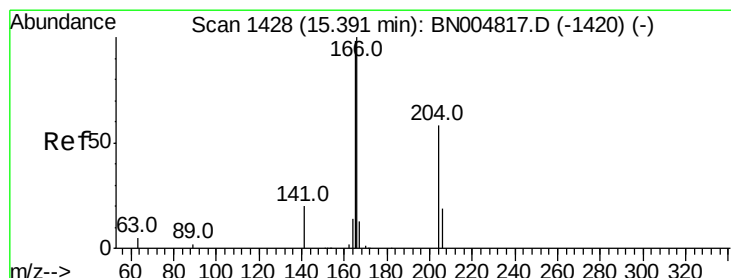
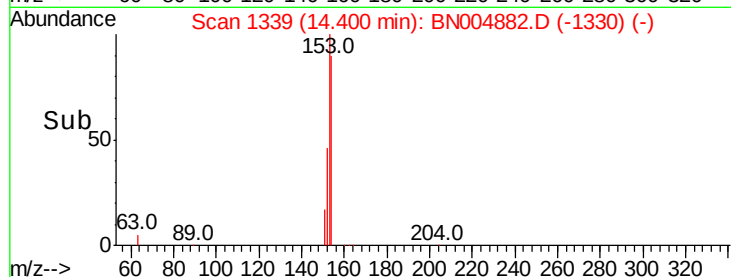
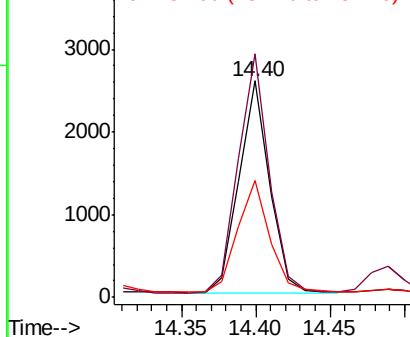
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 3638  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 114.0 | 91.4  | 137.2 |
| 152       | 55.7  | 44.2  | 66.2  |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.135 ng

RT: 15.39 min Scan# 1428

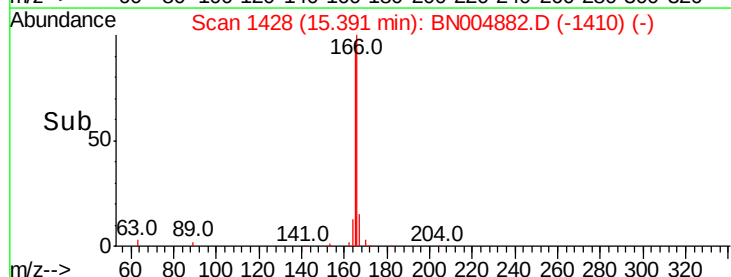
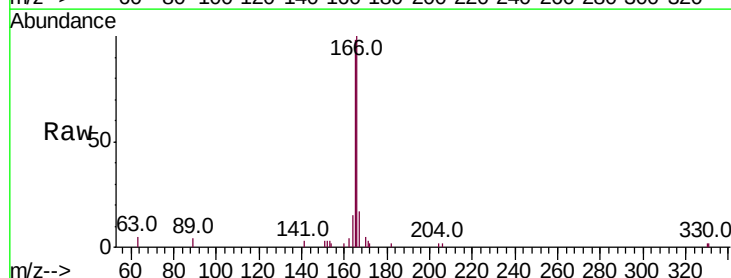
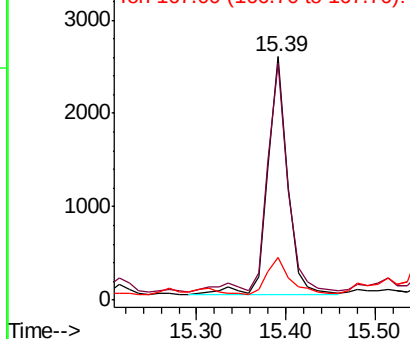
Delta R.T. -0.00 min

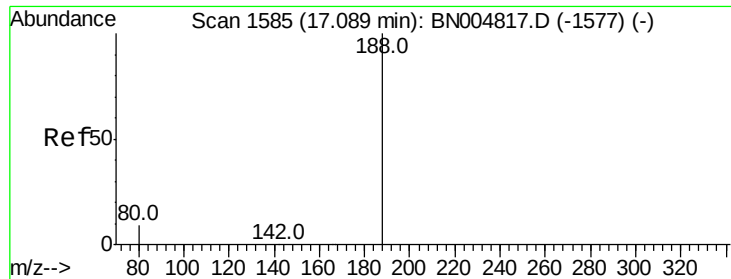
Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 3905  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 94.5  | 78.2  | 117.4 |
| 167       | 17.6  | 11.0  | 16.4# |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





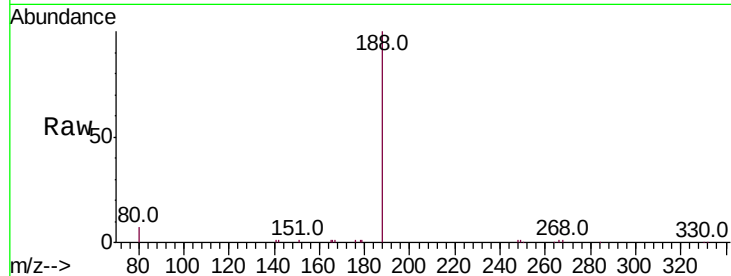
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.09 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

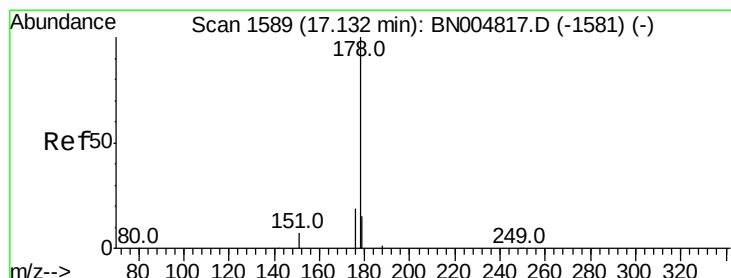
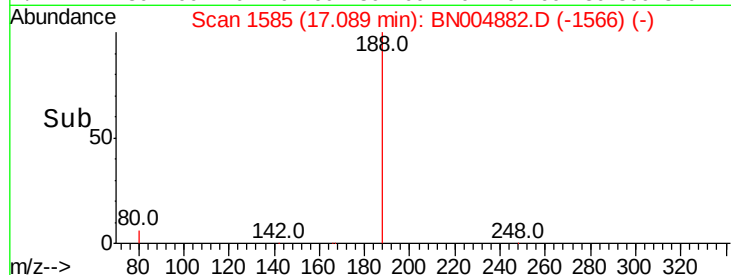
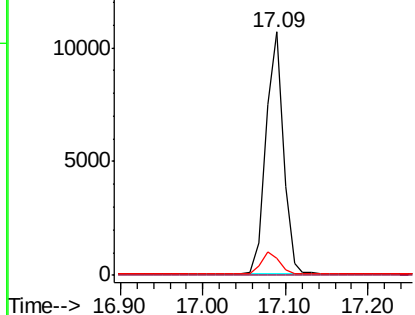
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 0.0   | 0.0  | 0.0   |       |
| 80      | 7.2   | 7.4  | 11.2  |       |

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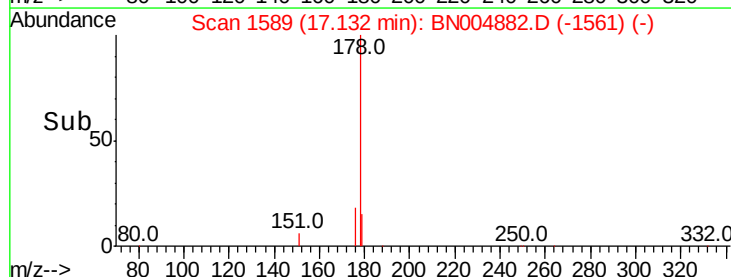
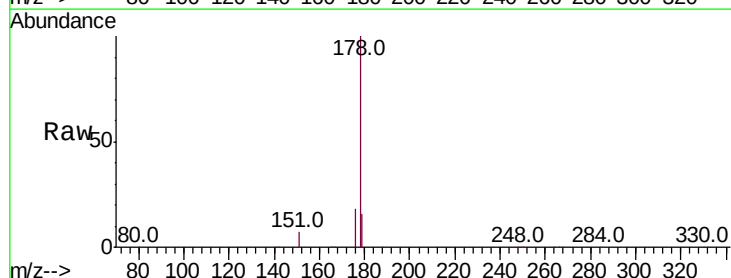
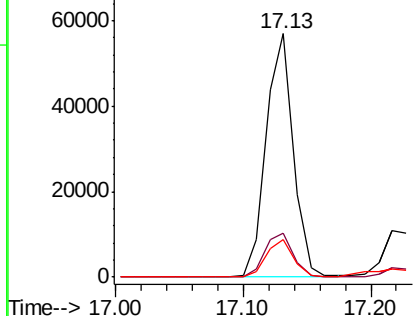
Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BNC  
Ion 80.00 (79.70 to 80.70): BNC

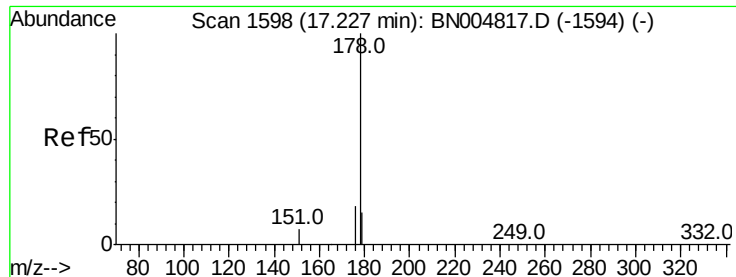


#23  
Phenanthrene  
Concen: 1.689 ng  
RT: 17.13 min Scan# 1589  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 178     | 100   |      |       |       |
| 176     | 18.8  | 14.9 | 22.3  |       |
| 179     | 15.4  | 12.1 | 18.1  |       |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





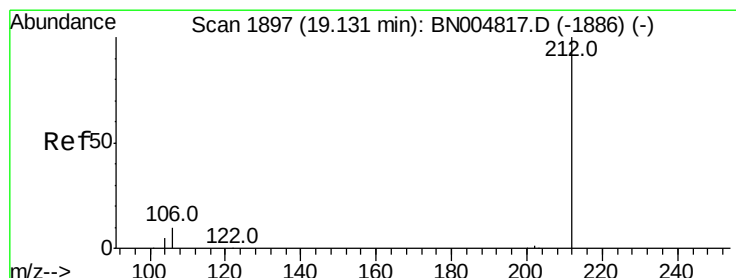
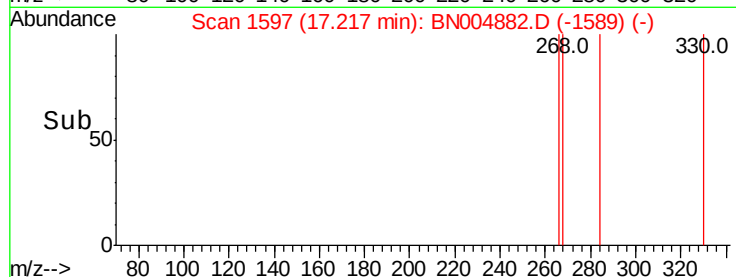
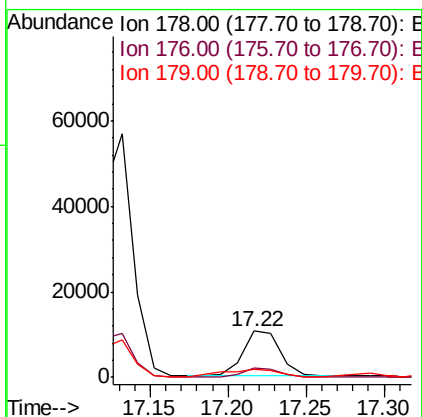
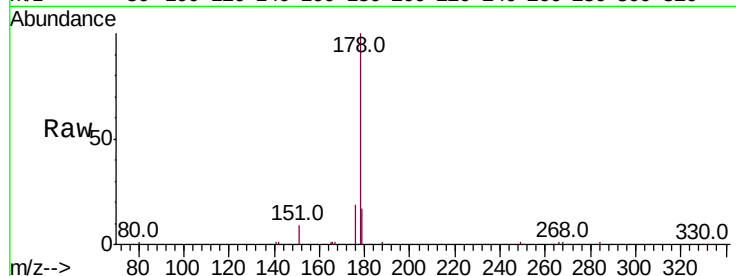
#24  
 Anthracene  
 Concen: 0.390 ng  
 RT: 17.22 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BN004882.D  
 Acq: 22 Mar 2019 10:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 14.5  | 21.7  |
| 179     | 22.5  | 12.2  | 18.4  |

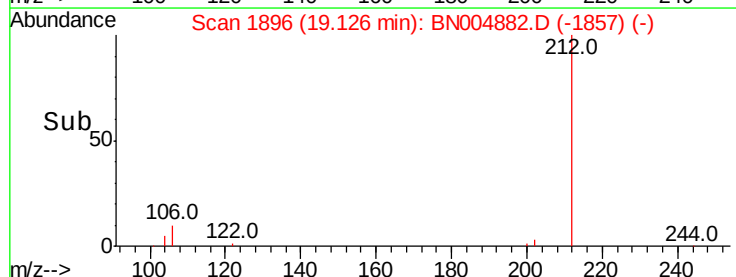
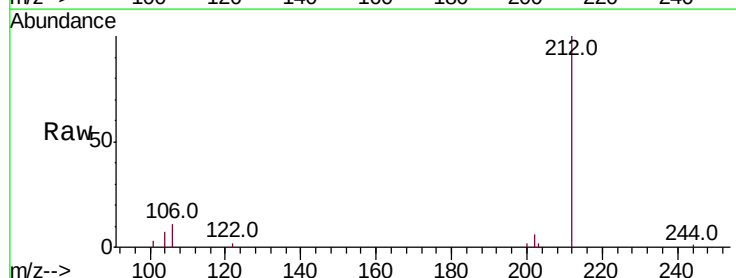
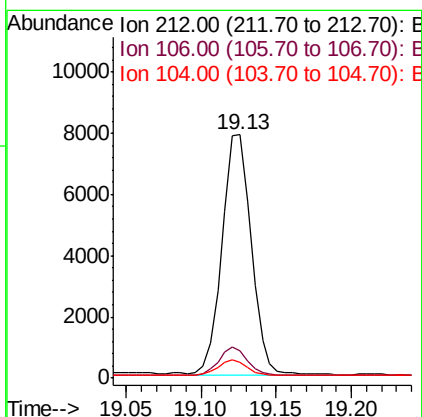
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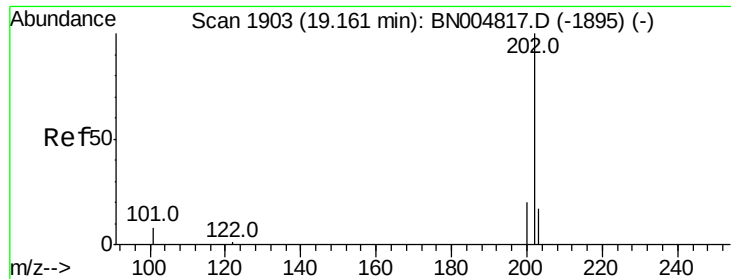
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 3/25/2019 8:52:37 AM



#25  
 Fluoranthene-d10  
 Concen: 0.205 ng  
 RT: 19.13 min Scan# 1896  
 Delta R.T. -0.00 min  
 Lab File: BN004882.D  
 Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 11.8  | 8.6   | 13.0  |
| 104     | 6.4   | 4.7   | 7.1   |





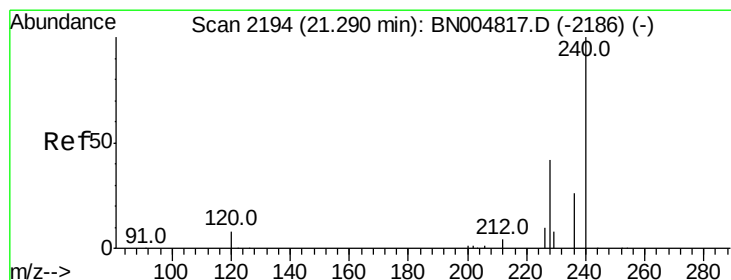
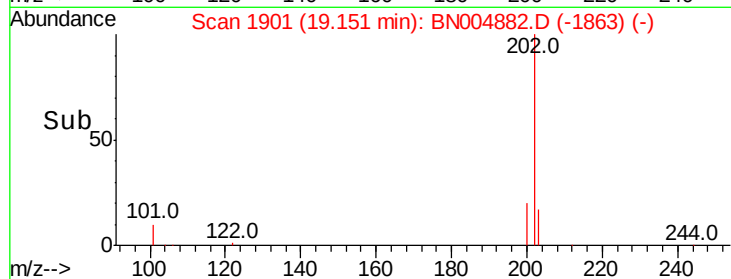
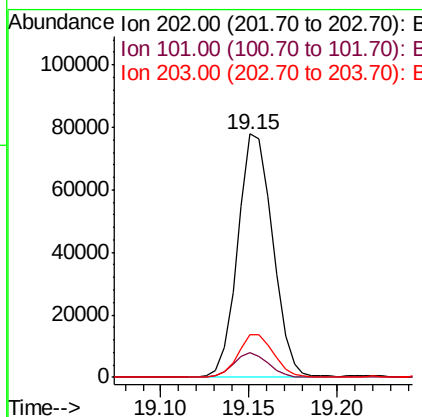
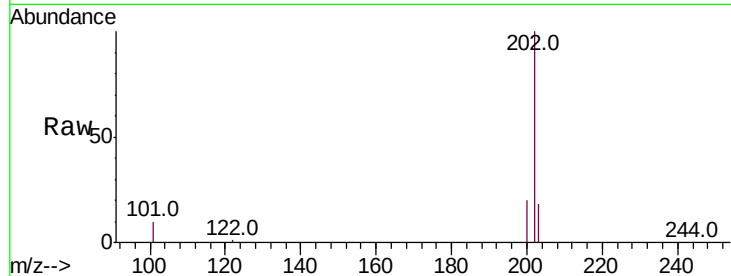
#26  
Fluoranthene  
Concen: 1.664 ng  
RT: 19.15 min Scan# 1901  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 106441 |       |       |
| 101     | 9.7   |        | 7.5   | 11.3  |
| 203     | 17.5  |        | 13.8  | 20.6  |

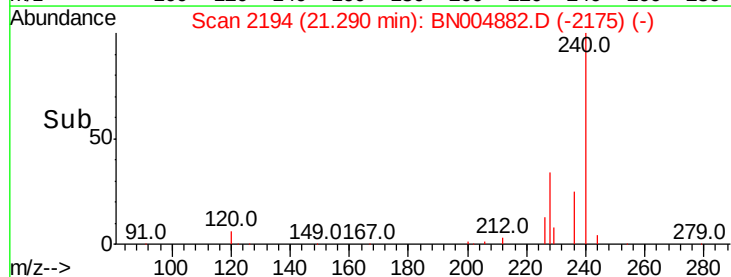
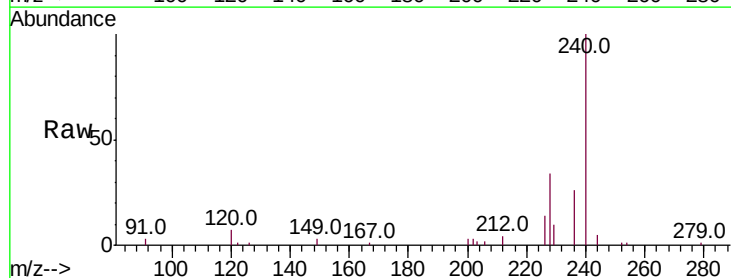
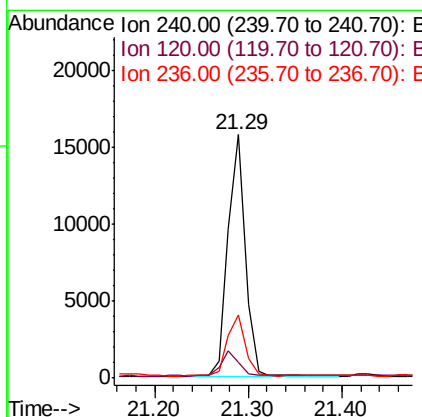
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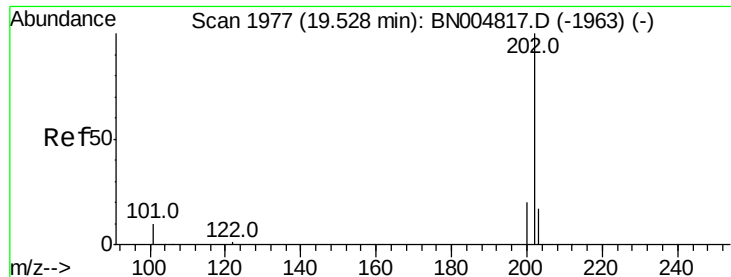
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.29 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 20213 |       |       |
| 120     | 6.5   |       | 7.2   | 10.8# |
| 236     | 26.2  |       | 20.9  | 31.3  |





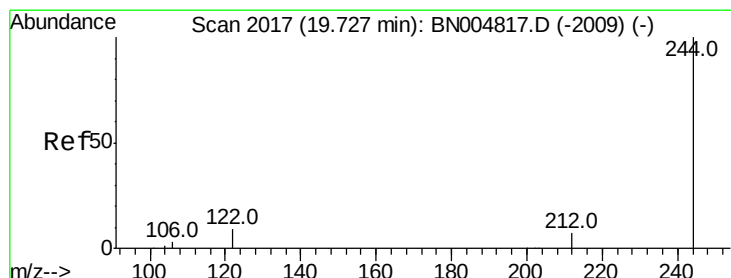
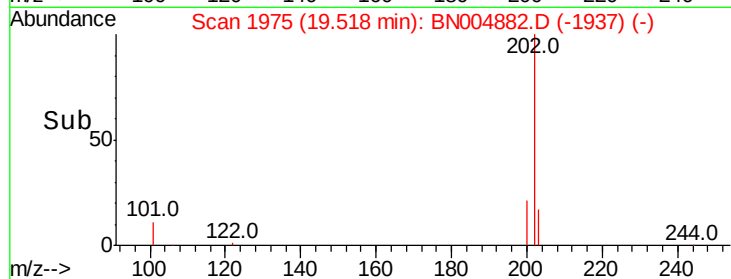
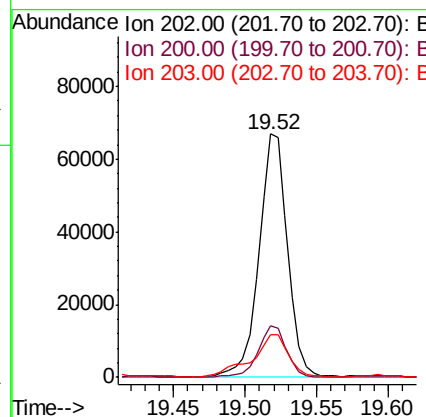
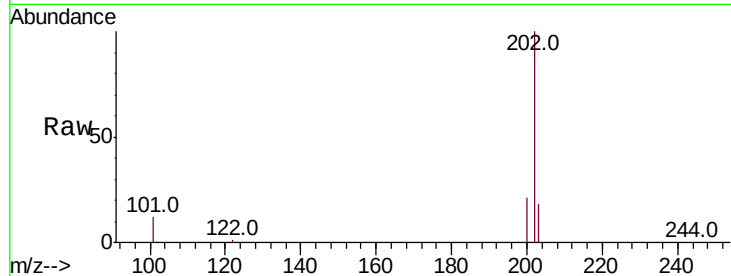
#28  
Pvrene  
Concen: 1.497 ng  
RT: 19.52 min Scan# 1975  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 92279 |       |       |
| 200     | 20.7  |       | 16.3  | 24.5  |
| 203     | 22.1  |       | 14.0  | 21.0  |

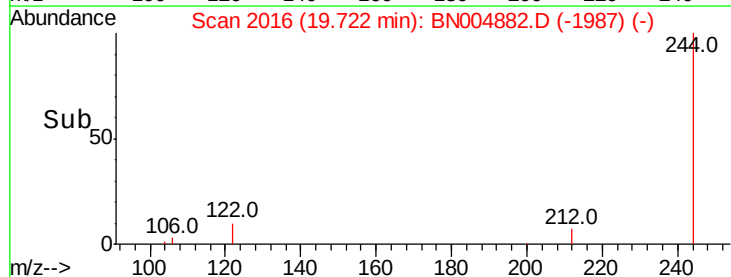
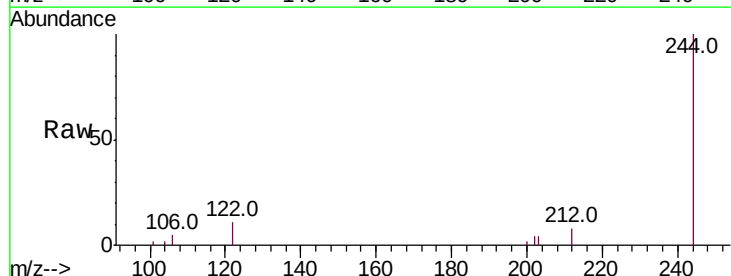
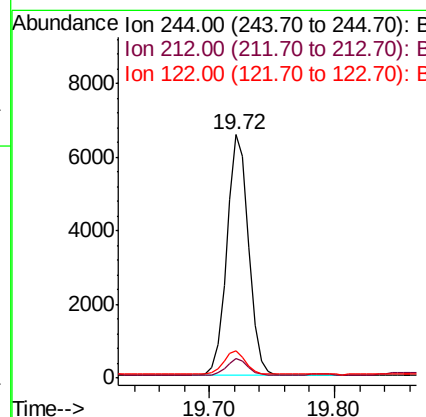
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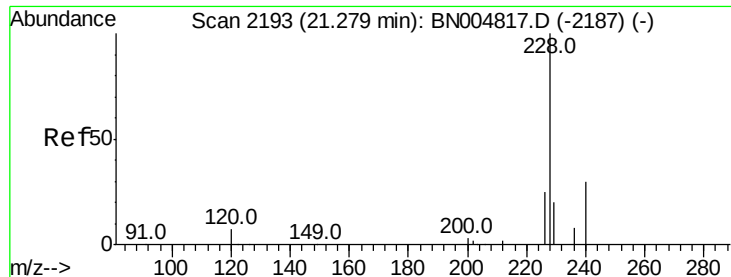
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3/25/2019 8:52:37 AM



#29  
Terphenyl-d14  
Concen: 0.190 ng  
RT: 19.72 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 7870 |       |       |
| 212     | 7.9   |      | 5.8   | 8.6   |
| 122     | 11.3  |      | 7.9   | 11.9  |





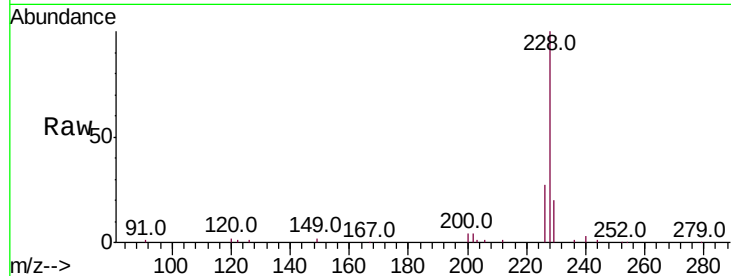
#30  
Benzo(a)anthracene  
Concen: 0.834 ng  
RT: 21.27 min Scan# 2192  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 20.6  | 31.0  |
| 229     | 20.4  | 16.2  | 24.4  |

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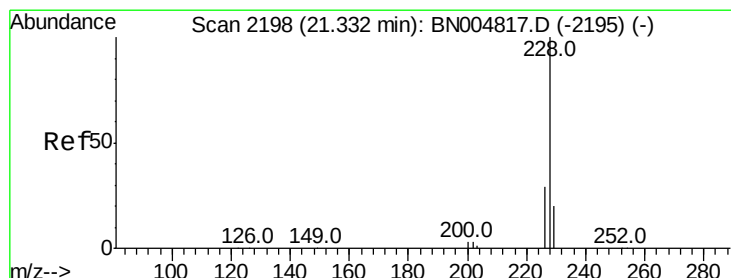
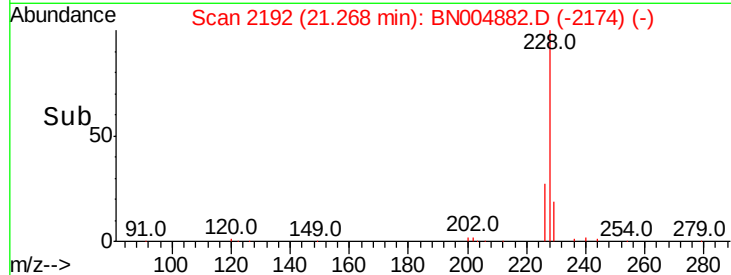
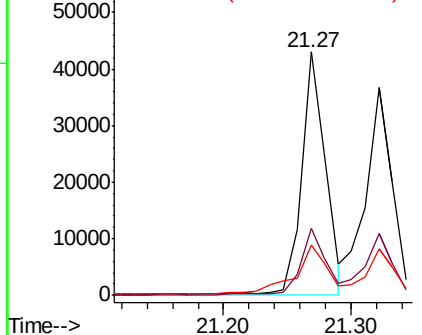


Abundance

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: 0.753 ng  
RT: 21.32 min Scan# 2197  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

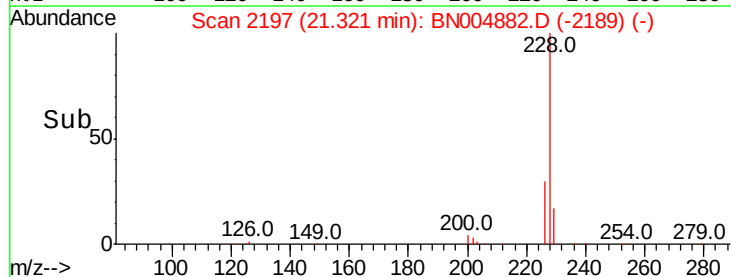
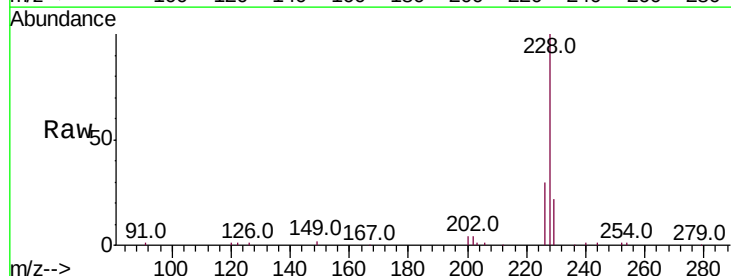
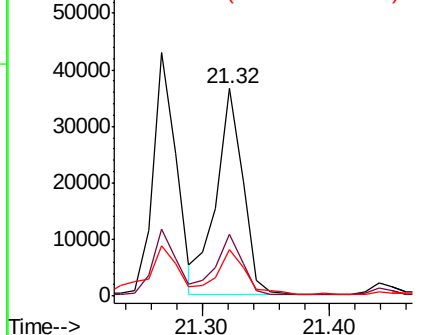
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 23.0  | 34.6  |
| 229     | 22.3  | 16.2  | 24.2  |

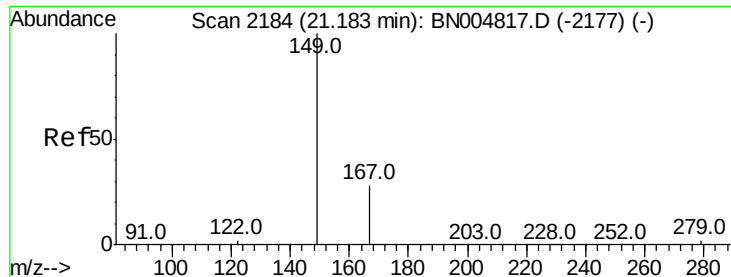
Abundance

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





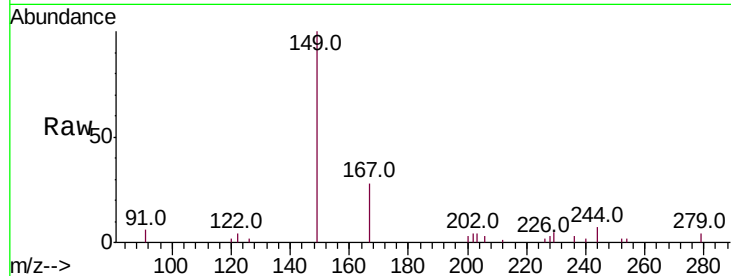
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.280 ng  
 RT: 21.18 min Scan# 2184  
 Delta R.T. -0.00 min  
 Lab File: BN004882.D  
 Acq: 22 Mar 2019 10:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.6  | 23.0  | 34.4  |
| 279     | 5.9   | 4.6   | 6.8   |

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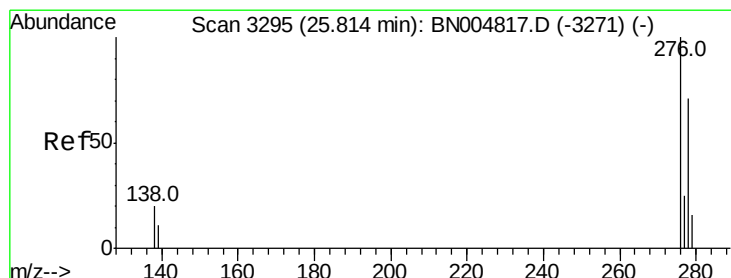
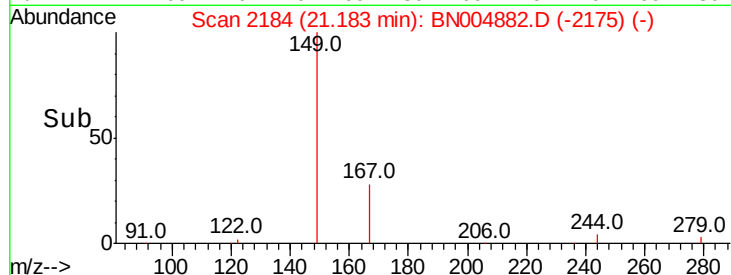
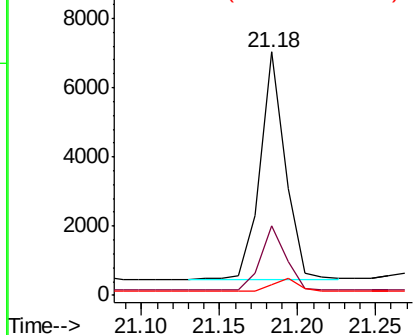


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.235 ng  
 RT: 25.81 min Scan# 3294  
 Delta R.T. -0.00 min  
 Lab File: BN004882.D  
 Acq: 22 Mar 2019 10:41

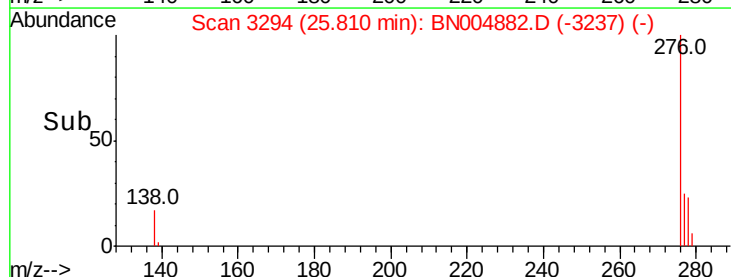
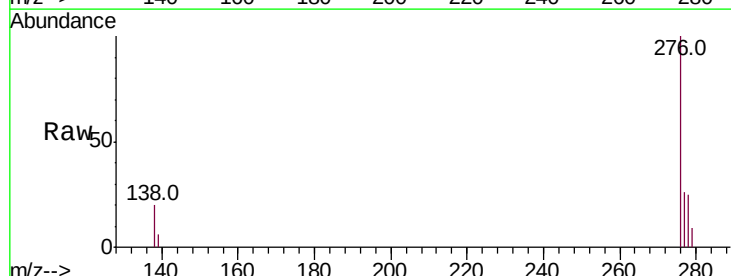
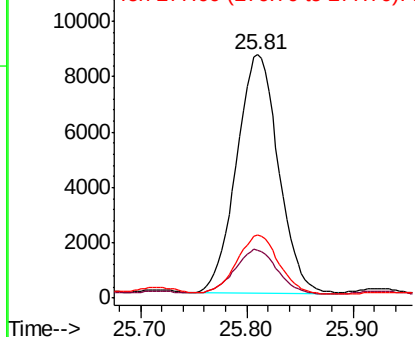
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.9  | 16.6  | 24.8  |
| 277     | 24.9  | 20.3  | 30.5  |

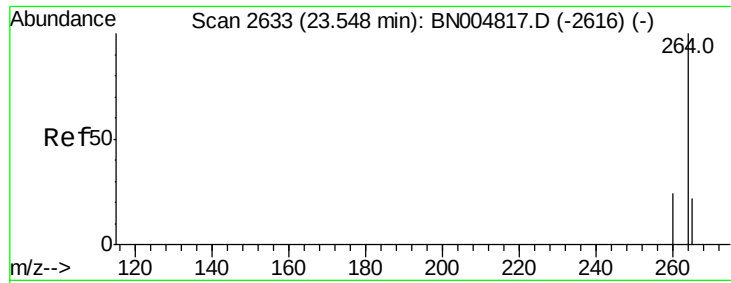
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





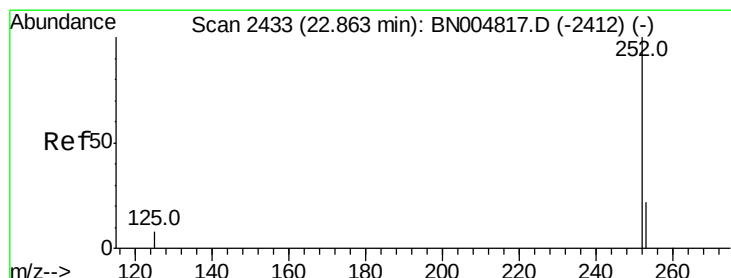
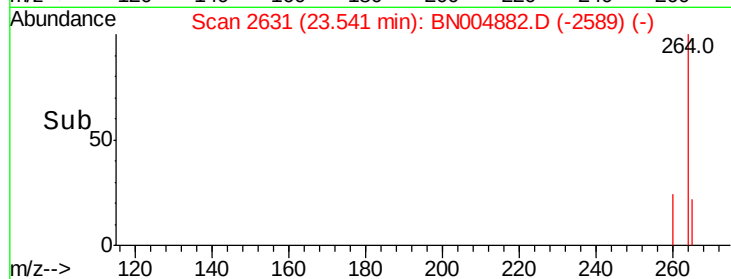
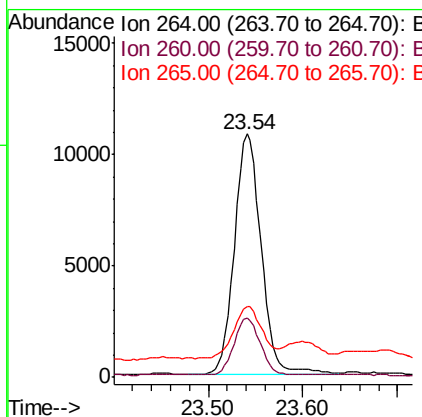
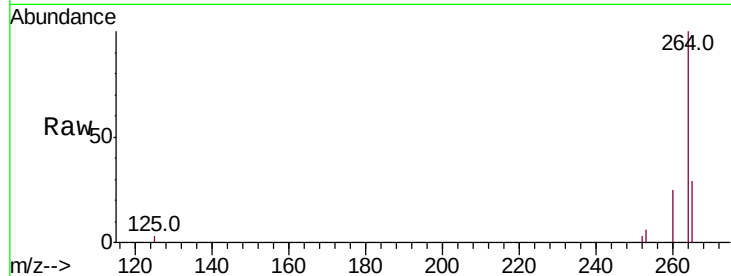
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.54 min Scan# 2631  
Delta R.T. -0.01 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 264   | Resp: | 21205 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.6  | 19.5  | 29.3  |
| 265       | 28.9  | 23.1  | 34.7  |

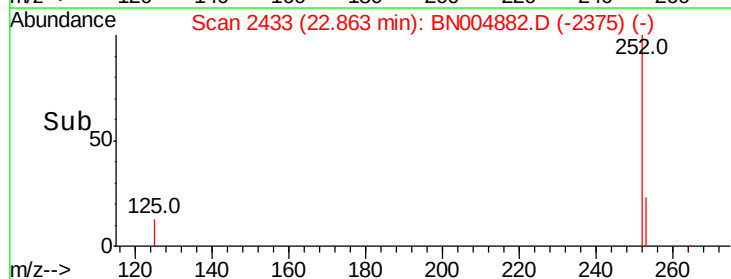
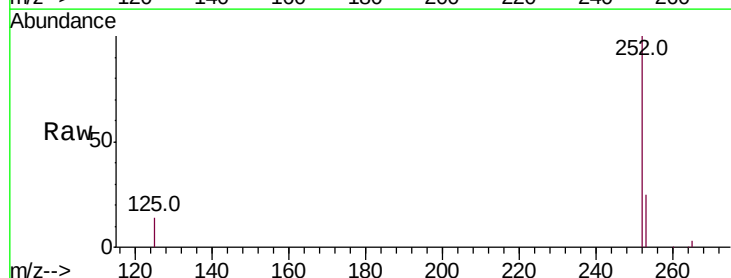
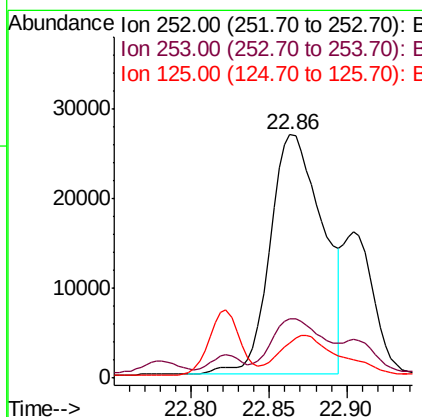
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3/25/2019 8:52:37 AM

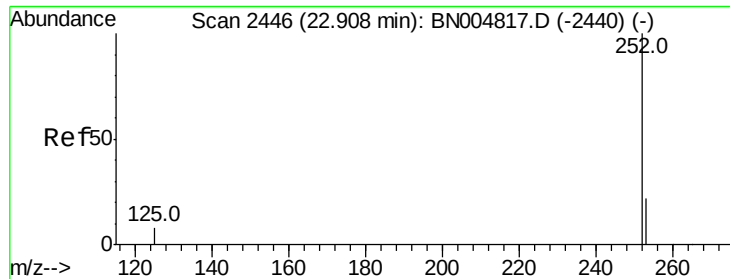


#35  
Benzo(b)fluoranthene  
Concen: 0.822 ng  
RT: 22.86 min Scan# 2433  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 63048 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.5  | 19.0  | 28.4  |
| 125       | 14.4  | 7.4   | 11.2# |







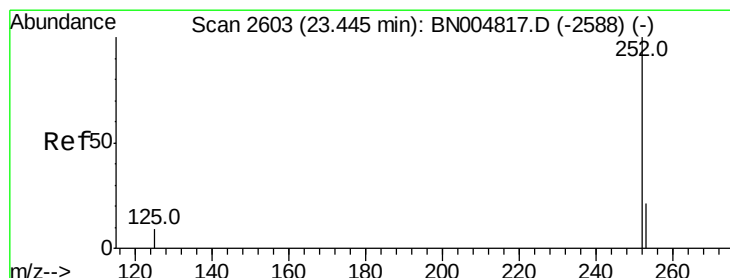
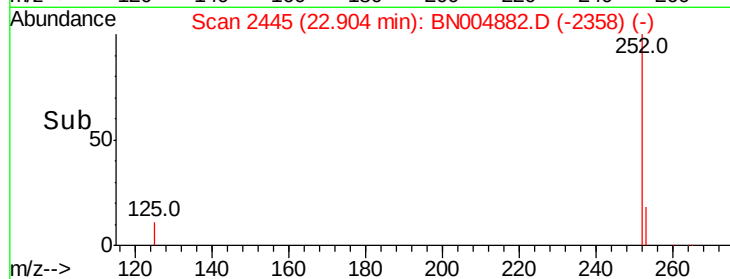
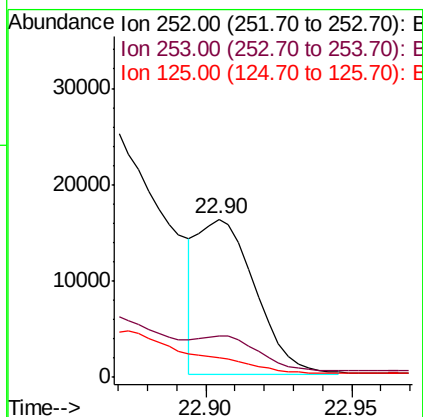
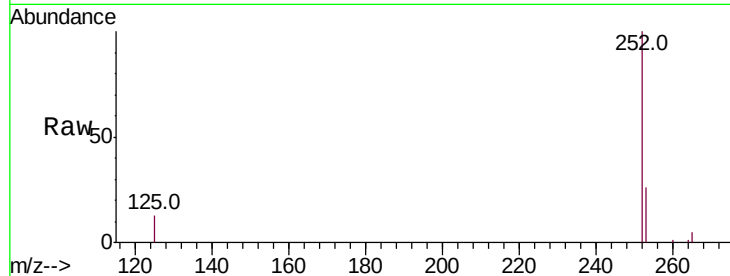
#36  
Benzo(k)fluoranthene  
Concen: 0.292 ng m  
RT: 22.90 min Scan# 2445  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW017-030719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.1  | 19.3  | 28.9  |
| 125     | 12.7  | 7.4   | 11.0  |

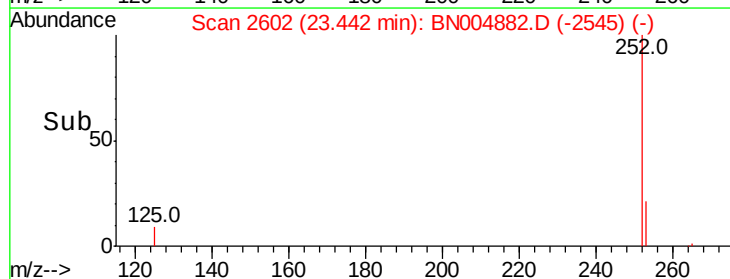
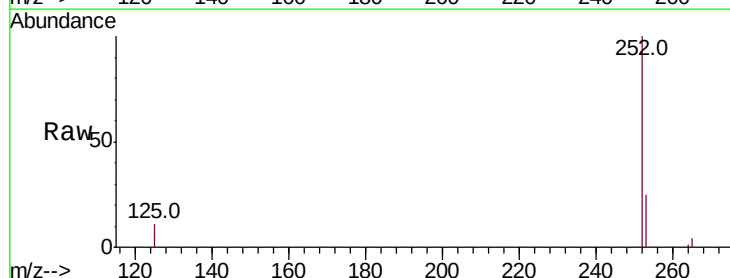
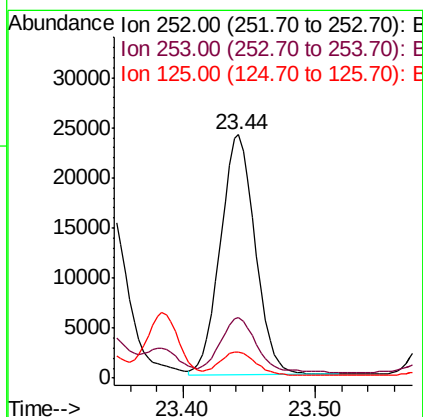
Manual Integrations  
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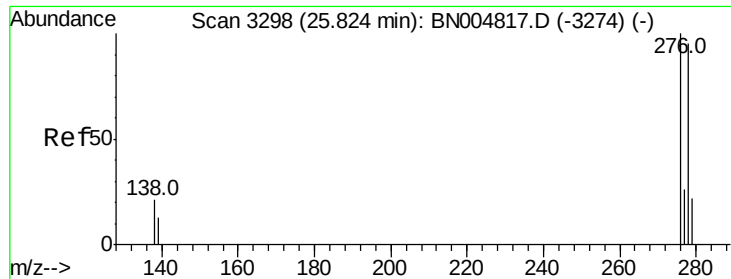
Sohil  
3/25/2019 8:52:37 AM



#37  
Benzo(a)pyrene  
Concen: 0.624 ng  
RT: 23.44 min Scan# 2602  
Delta R.T. -0.00 min  
Lab File: BN004882.D  
Acq: 22 Mar 2019 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 19.7  | 29.5  |
| 125     | 10.9  | 8.3   | 12.5  |





#38

Dibenzo(a,h)anthracene

Concen: 0.087 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

Instrument :

BNA\_N

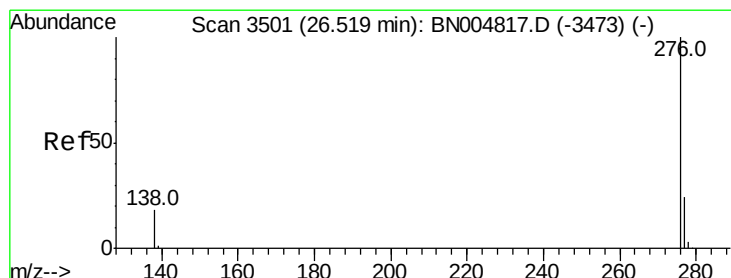
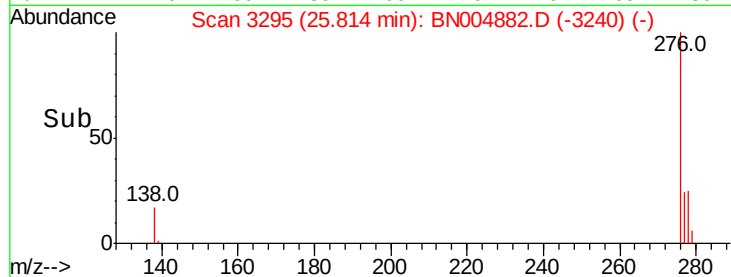
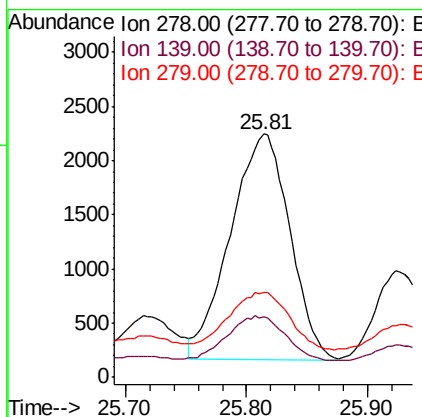
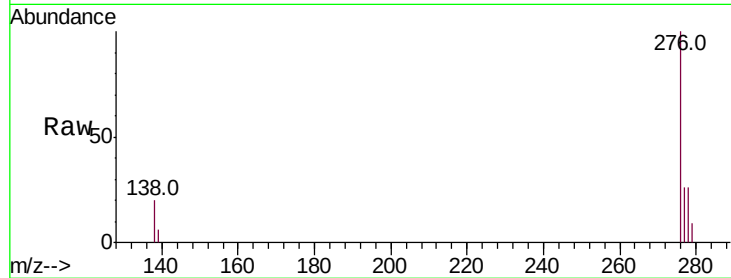
ClientSampleId :

EXT-027-SW017-030719

|             |       |            |
|-------------|-------|------------|
| Tot Ion:278 | Resp: | 7102       |
| Ion Ratio   | Lower | Upper      |
| 278         | 100   |            |
| 139         | 24.7  | 11.7 17.5# |
| 279         | 34.9  | 19.9 29.9# |

Manual Integrations  
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#39

Benzo(g,h,i)perylene

Concen: 0.254 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004882.D

Acq: 22 Mar 2019 10:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 21060     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 277         | 25.5  | 19.7 29.5 |
| 138         | 20.4  | 14.6 22.0 |

