

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\  
 Data File : BN004923.D  
 Acq On : 23 Mar 2019 16:44  
 Operator : JU/SJ  
 Sample : K1817-07DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW015-030719DL

Manual Integrations  
 APPROVED

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 3/25/2019 1:34:25 PM

Quant Time: Mar 24 01:42:04 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 | 7.69  | 152  | 2260     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 9477     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.33 | 164  | 5289     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.08 | 188  | 12337    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.28 | 240  | 16917    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.52 | 264  | 19300    | 0.40 | ng    | -0.02    |

#### System Monitoring Compounds

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol           | 5.28  | 112 | 1257 | 0.20 | ng | 0.00  |
| 5) Phenol-d6                | 6.86  | 99  | 1604 | 0.21 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.86  | 82  | 1268 | 0.20 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152 | 2454 | 0.15 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 609  | 0.17 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.95 | 172 | 3438 | 0.16 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 5289 | 0.13 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.72 | 244 | 3825 | 0.11 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.52 | 128 | 3851   | 0.145 | ng | 96     |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 3293   | 0.167 | ng | 98     |
| 16) Acenaphthylene             | 14.05 | 152 | 4720   | 0.173 | ng | # 96   |
| 17) Acenaphthene               | 14.39 | 154 | 18423  | 1.033 | ng | 100    |
| 18) Fluorene                   | 15.38 | 166 | 17150  | 0.689 | ng | # 97   |
| 23) Phenanthrene               | 17.12 | 178 | 286773 | 7.199 | ng | 99     |
| 24) Anthracene                 | 17.22 | 178 | 69580  | 1.956 | ng | # 92   |
| 26) Fluoranthene               | 19.15 | 202 | 353352 | 6.902 | ng | 99     |
| 28) Pyrene                     | 19.51 | 202 | 293818 | 5.696 | ng | # 94   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 189244 | 3.411 | ng | 98     |
| 31) Chrysene                   | 21.31 | 228 | 152741 | 2.614 | ng | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 14670  | 0.662 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.79 | 276 | 85602  | 1.012 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.85 | 252 | 204126 | 2.924 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.89 | 252 | 67405m | 0.981 | ng |        |
| 37) Benzo(a)pyrene             | 23.42 | 252 | 150635 | 2.352 | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.79 | 278 | 26391  | 0.356 | ng | # 87   |
| 39) Benzo(a,h,i)perylene       | 26.49 | 276 | 73731  | 0.976 | ng | 98     |

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

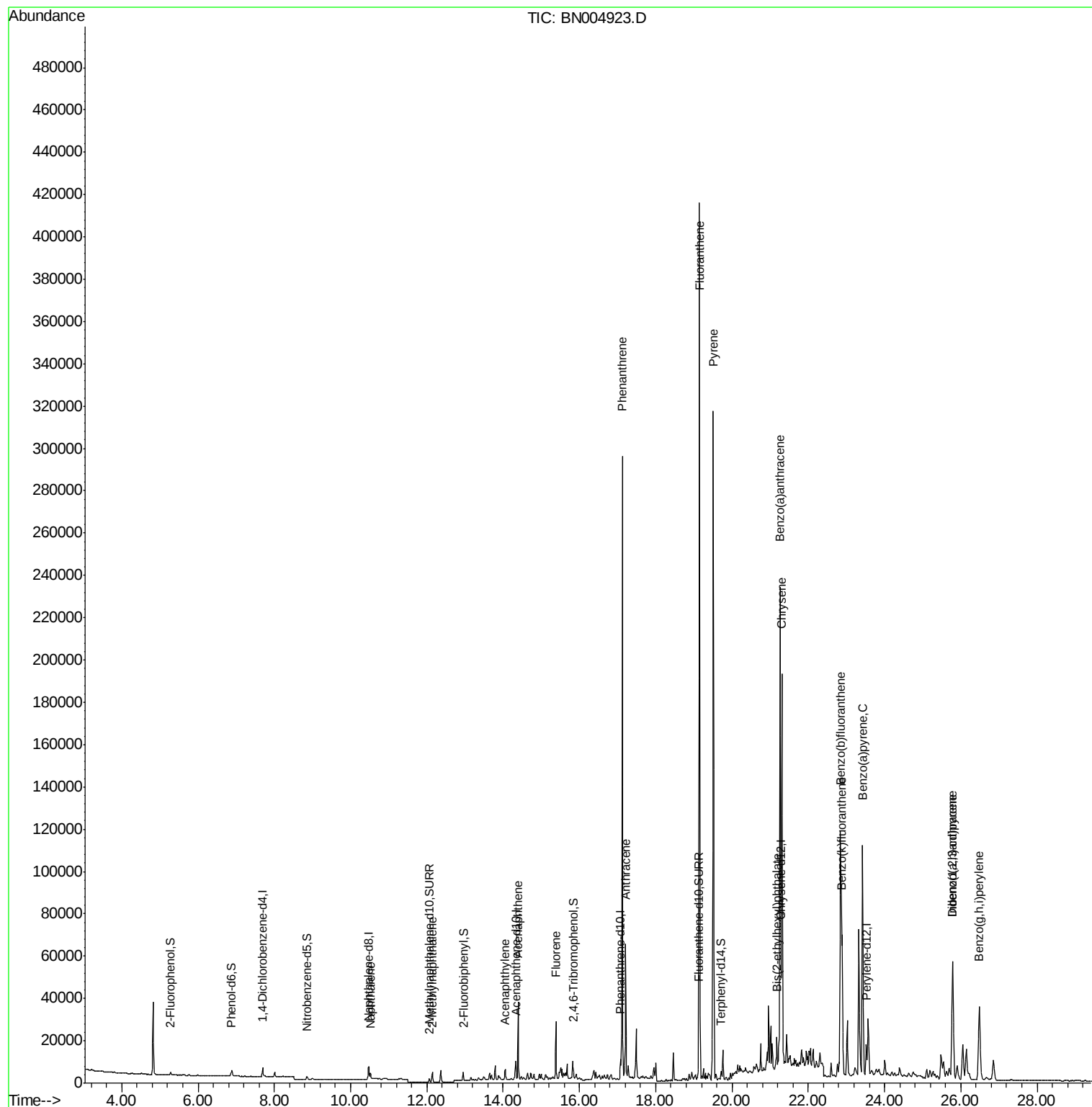
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\  
Data File : BN004923.D  
Acq On : 23 Mar 2019 16:44  
Operator : JU/SJ  
Sample : K1817-07DL 2X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

Manual Integrations  
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Quant Time: Mar 24 01:42:04 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





#1

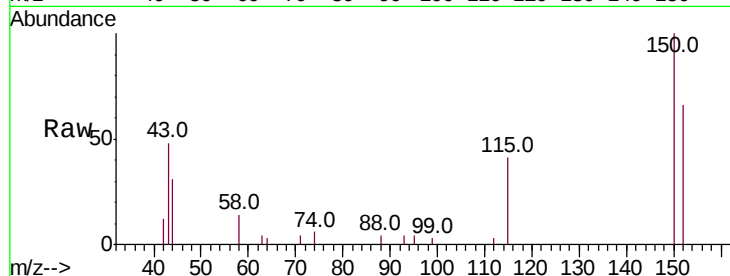
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.69 min Scan# 579  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.6 | 126.2 | 189.4 |
| 115     | 62.2  | 52.6  | 79.0  |

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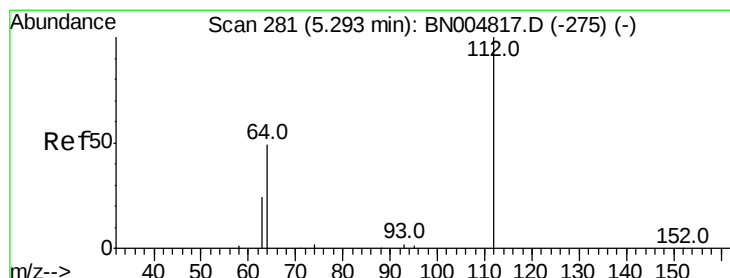
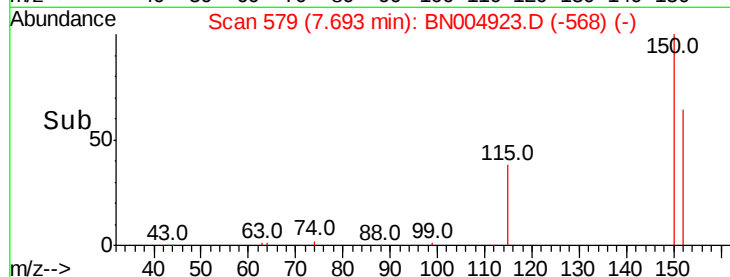
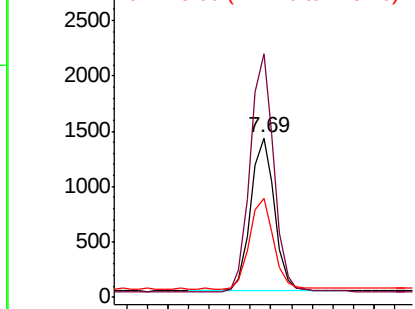


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

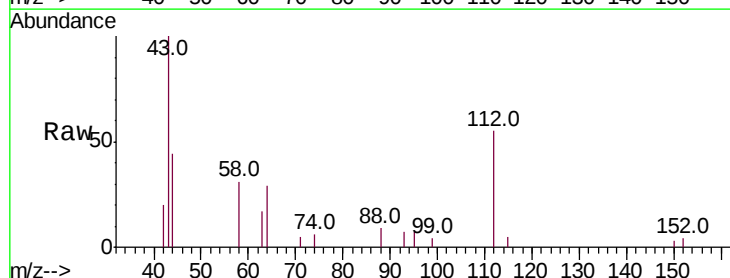
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.205 ng  
RT: 5.28 min Scan# 280  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.5  | 40.0  | 60.0  |
| 63      | 26.0  | 20.2  | 30.2  |

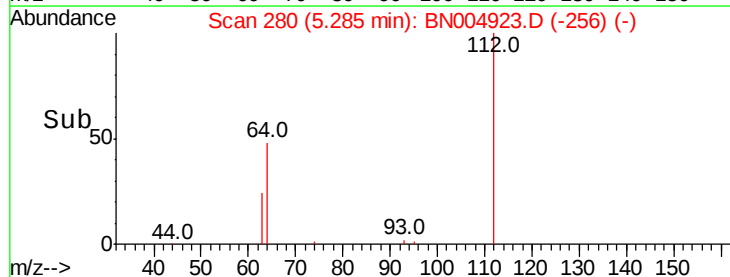
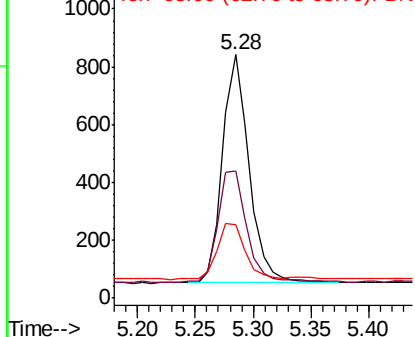


Abundance

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: 0.210 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

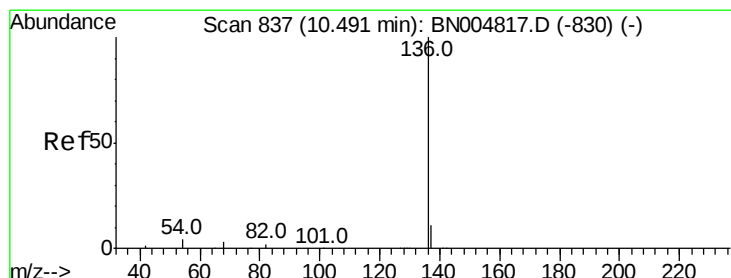
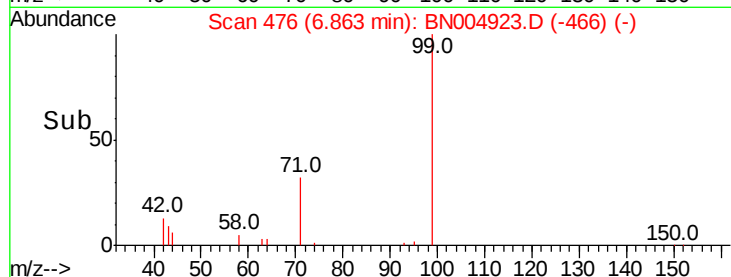
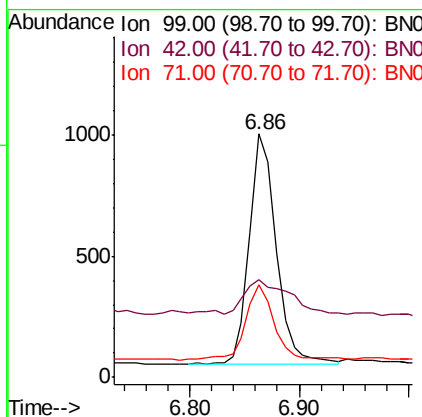
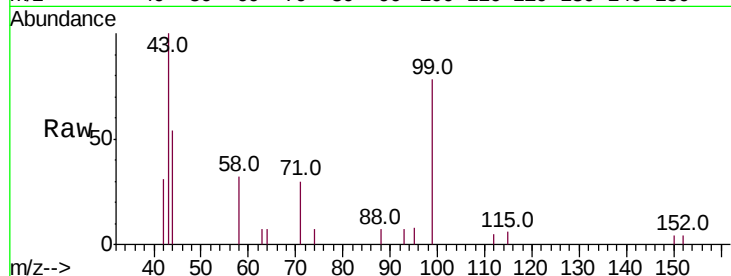
ClientSampleId :

EXT-027-SW015-030719DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1604  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 25.4  | 12.7  | 19.1# |
| 71       | 34.9  | 26.6  | 40.0  |

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#7

Naphthalene-d8

Concen: 0.400 ng

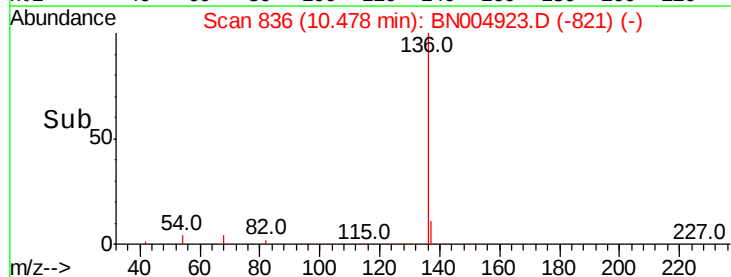
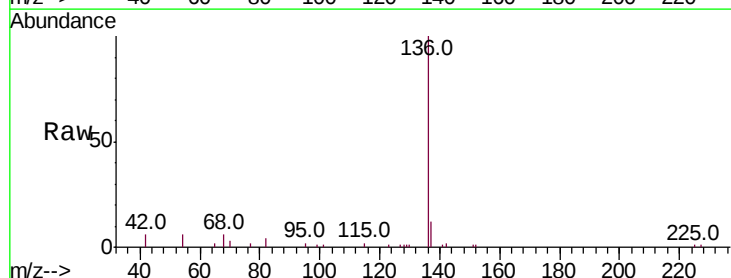
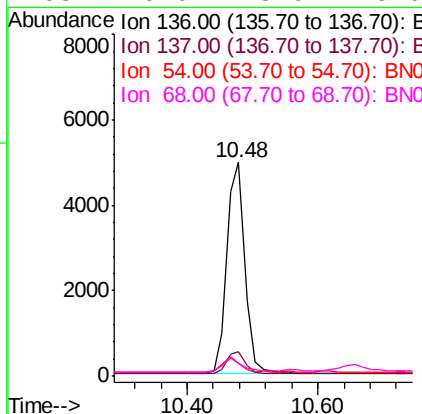
RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 9477  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.6   | 14.4  |
| 54       | 5.9   | 4.2   | 6.2   |
| 68       | 6.0   | 3.9   | 5.9#  |





#8

Nitrobenzene-d5

Concen: 0.202 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

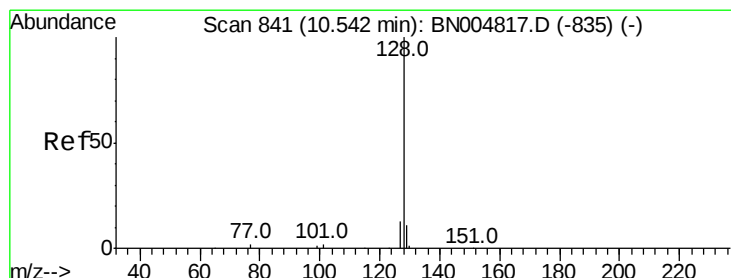
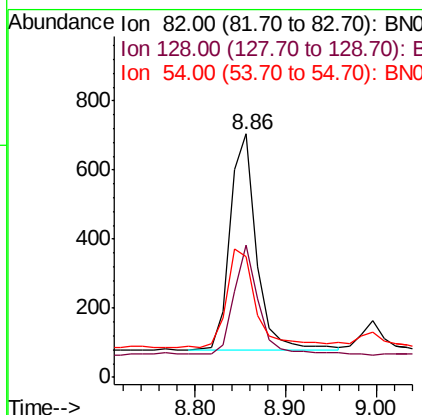
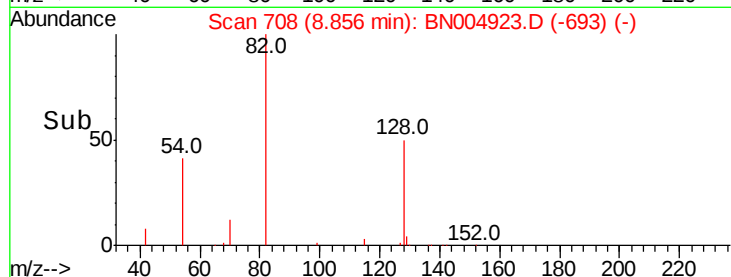
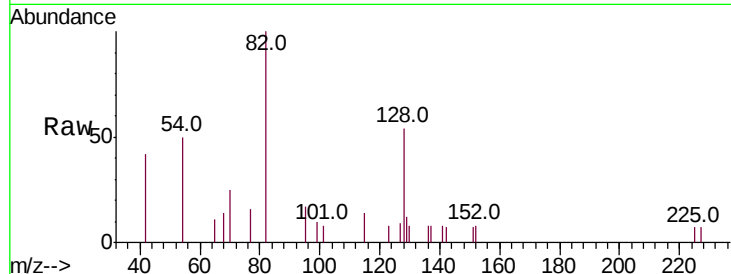
ClientSampleId :

EXT-027-SW015-030719DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 82    | Resp: | 1268 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 54.5  | 43.0  | 64.6 |
| 54        | 49.6  | 35.3  | 52.9 |

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#9

Naphthalene

Concen: 0.145 ng

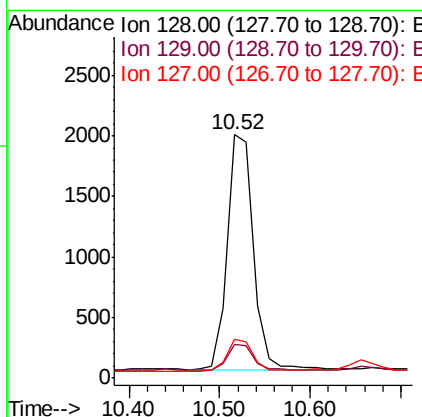
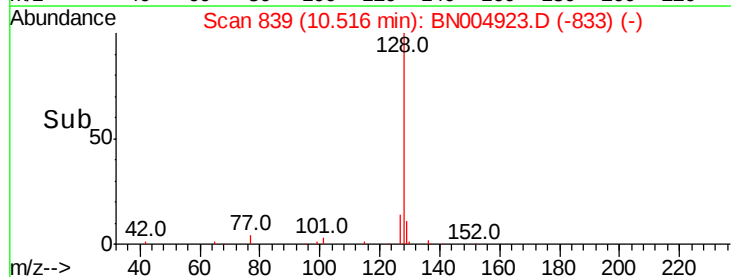
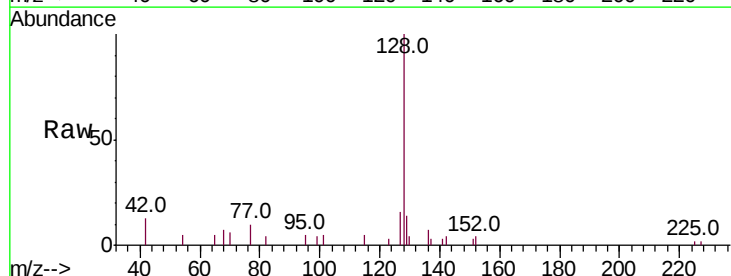
RT: 10.52 min Scan# 839

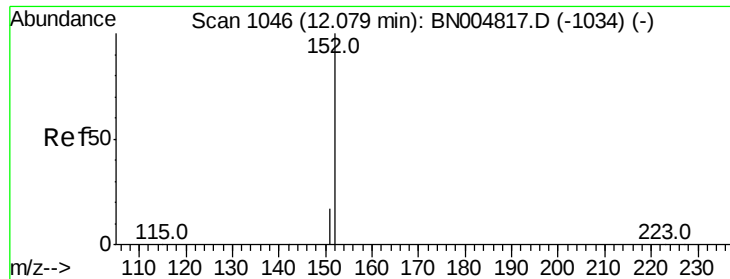
Delta R.T. -0.03 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3851 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.0  | 9.9   | 14.9 |
| 127       | 15.9  | 11.3  | 16.9 |





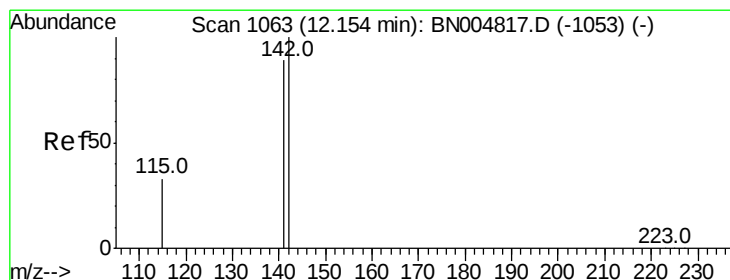
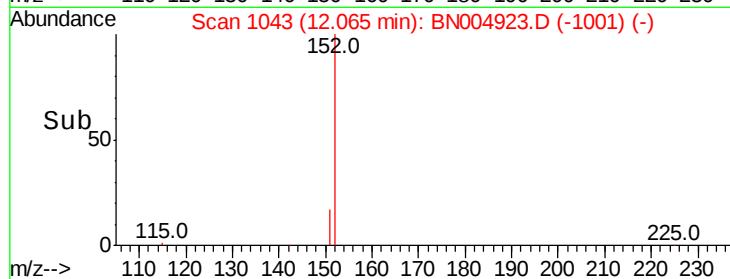
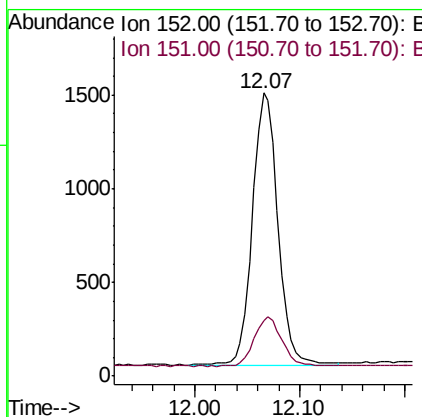
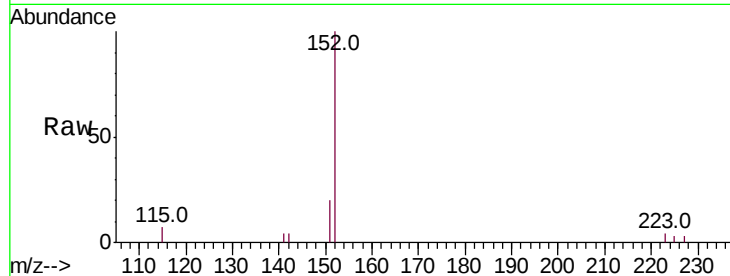
#11  
2-Methylnaphthalene-d10  
Concen: 0.148 ng  
RT: 12.07 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.5  | 23.3  |

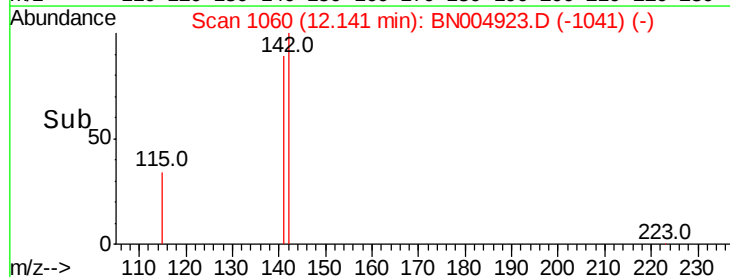
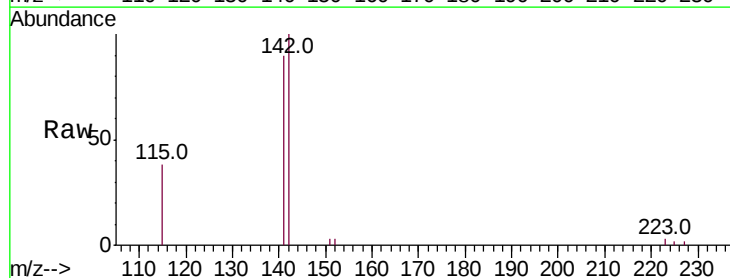
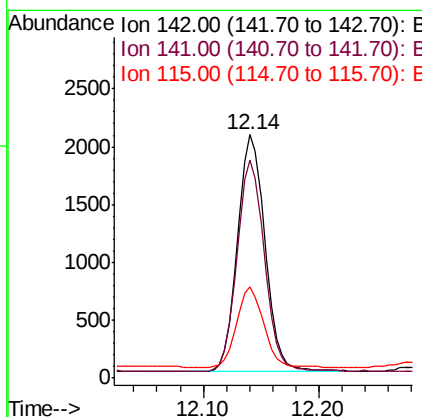
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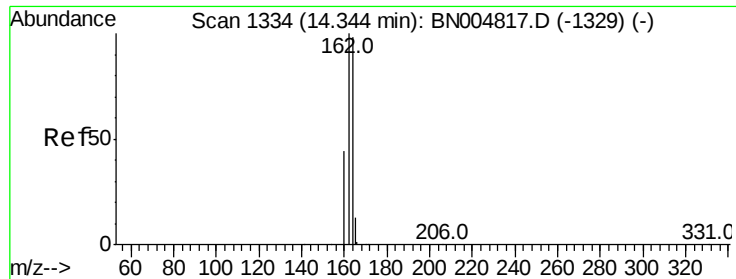
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#12  
2-Methylnaphthalene  
Concen: 0.167 ng  
RT: 12.14 min Scan# 1060  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 71.4  | 107.2 |
| 115     | 37.5  | 27.5  | 41.3  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

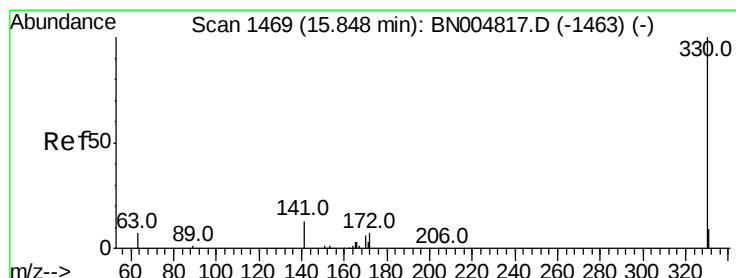
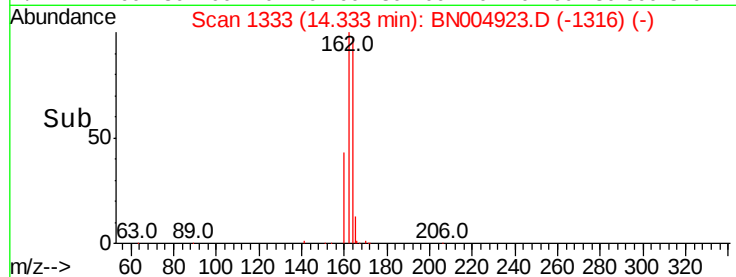
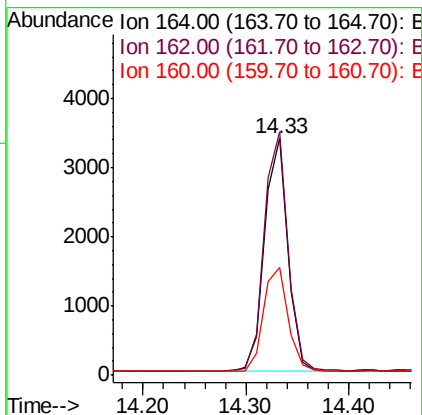
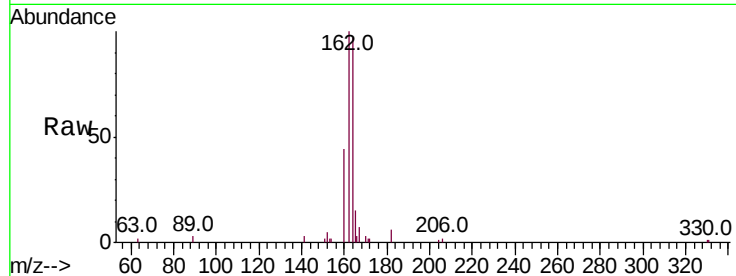
ClientSampleId :

EXT-027-SW015-030719DL

|             |       |            |
|-------------|-------|------------|
| Tot Ion:164 | Resp: | 5289       |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 102.8 | 81.9 122.9 |
| 160         | 45.5  | 36.6 54.8  |

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#14

2,4,6-Tribromophenol

Concen: 0.167 ng

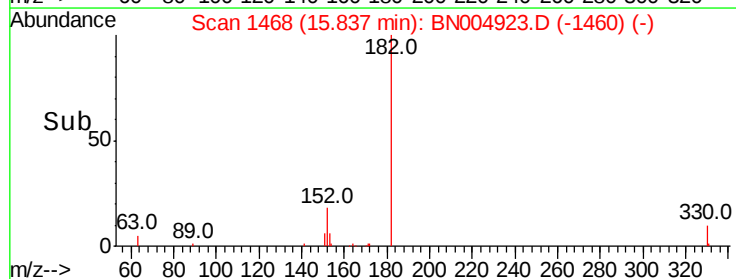
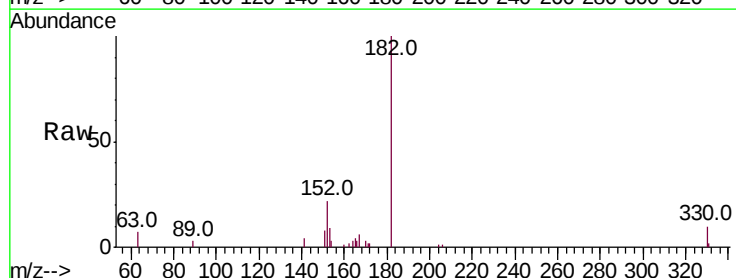
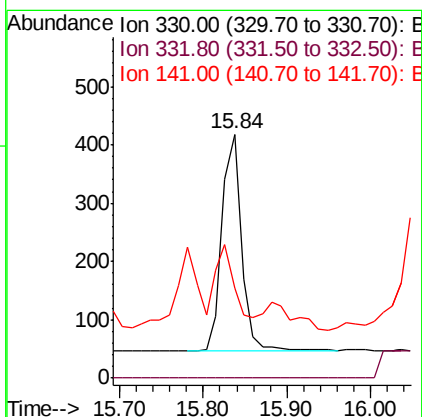
RT: 15.84 min Scan# 1468

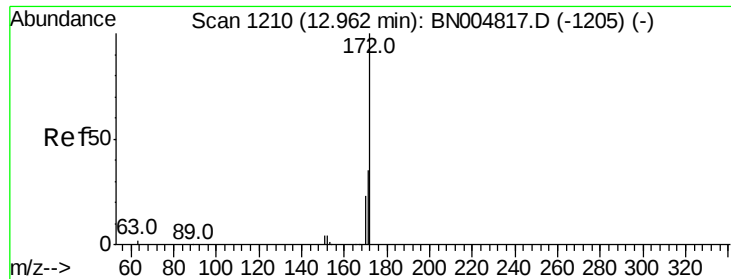
Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 609        |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 0.0   | 0.0 0.0    |
| 141         | 31.9  | 20.9 31.3# |





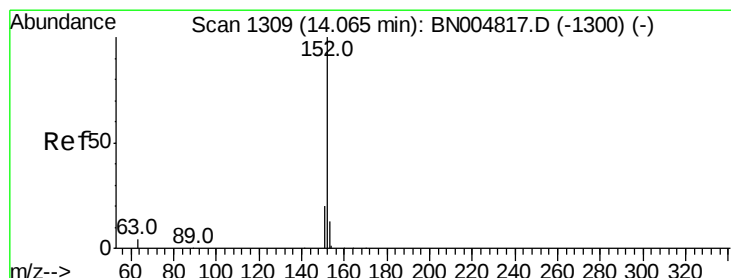
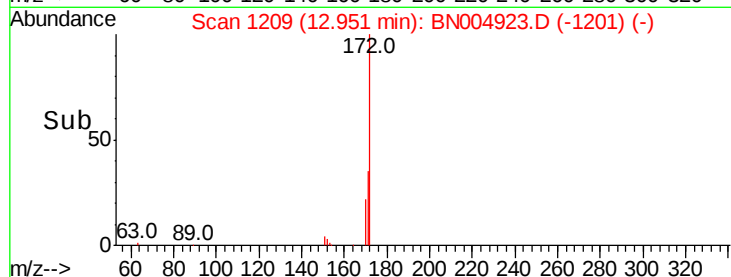
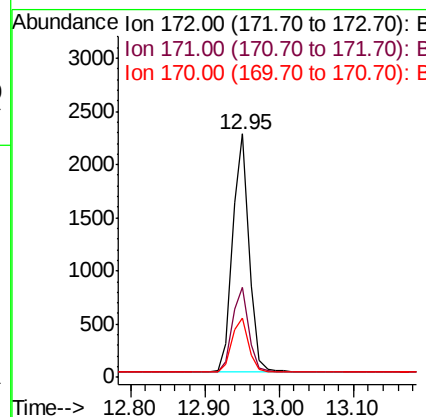
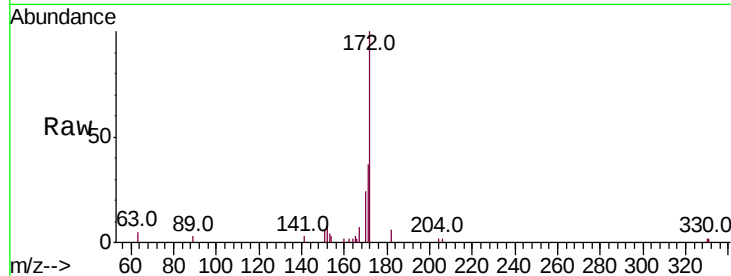
#15  
2-Fluorobiphenyl  
Concen: 0.157 ng  
RT: 12.95 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.7  | 43.1  |
| 170     | 24.1  | 18.7  | 28.1  |

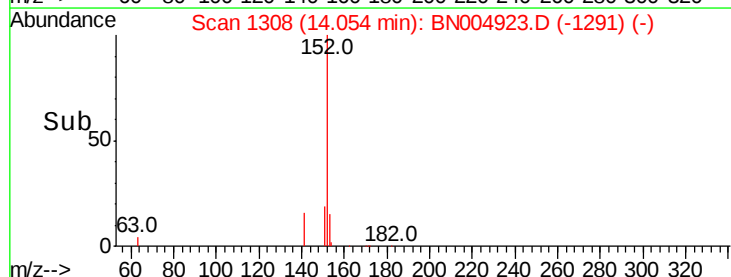
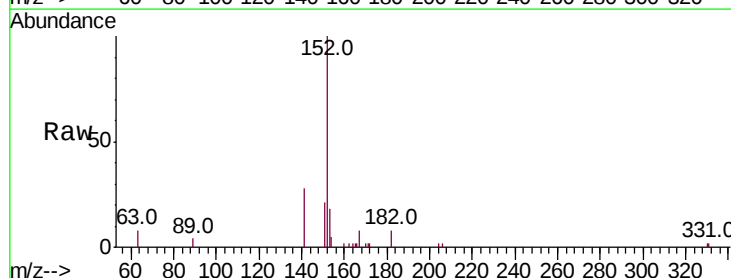
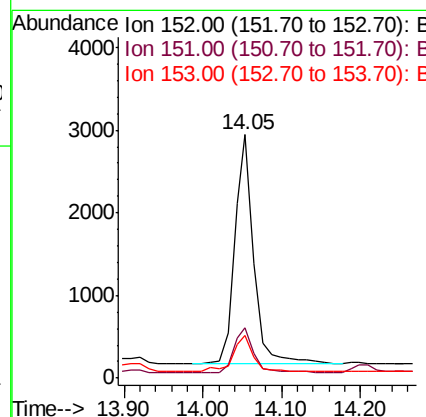
Manual Integrations  
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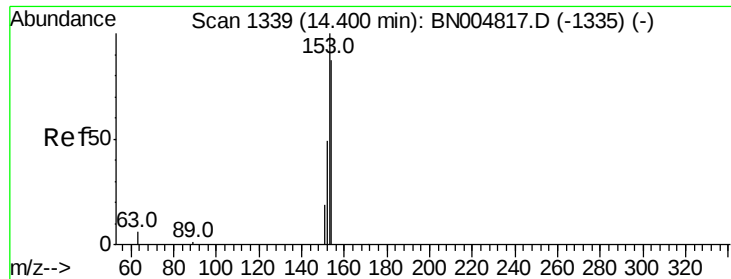
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#16  
Acenaphthylene  
Concen: 0.173 ng  
RT: 14.05 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.1  | 24.1  |
| 153     | 16.6  | 10.5  | 15.7# |





#17

Acenaphthene

Concen: 1.033 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

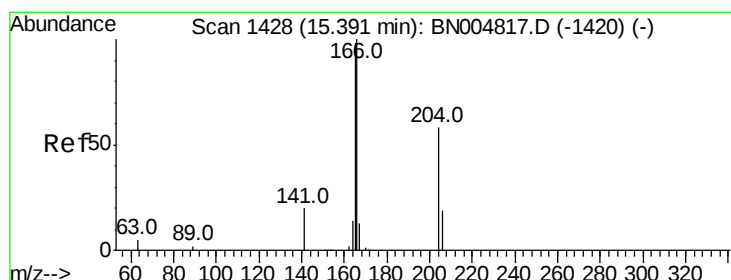
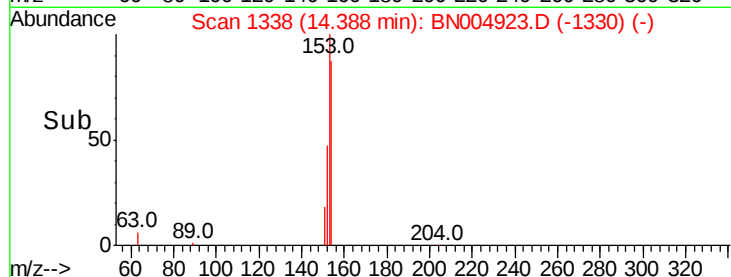
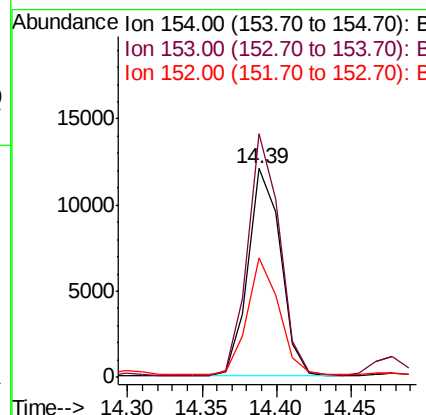
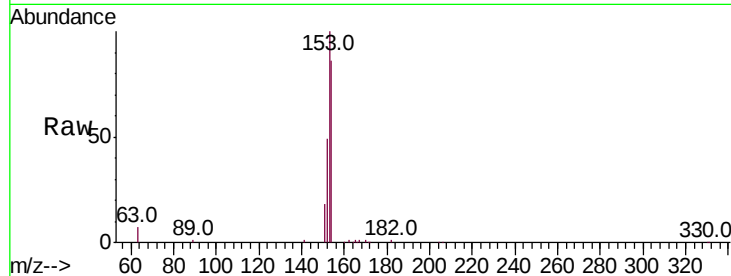
ClientSampleId :

EXT-027-SW015-030719DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 18423 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 114.3 | 91.4  | 137.2 |
| 152       | 54.6  | 44.2  | 66.2  |

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#18

Fluorene

Concen: 0.689 ng

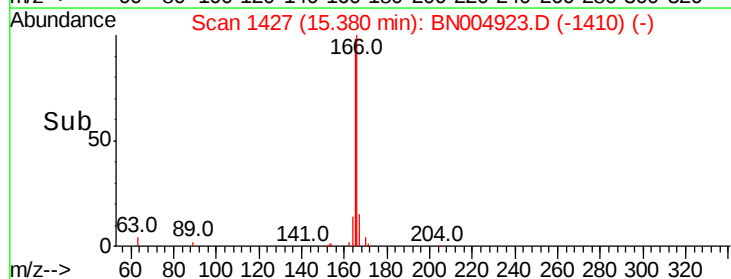
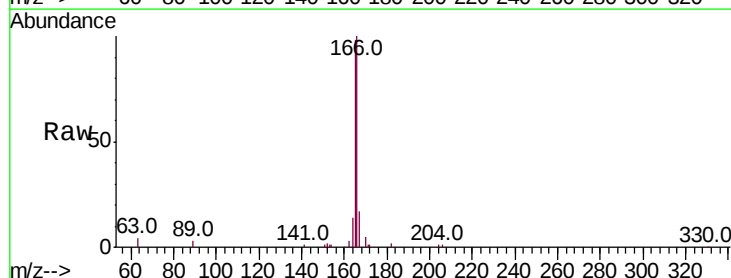
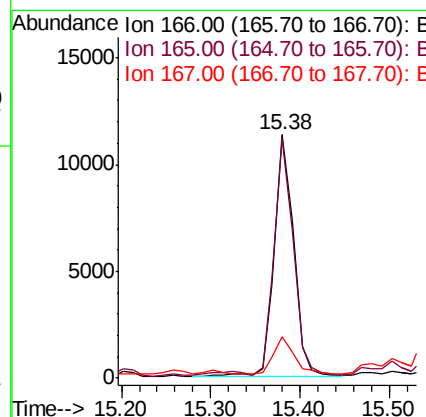
RT: 15.38 min Scan# 1427

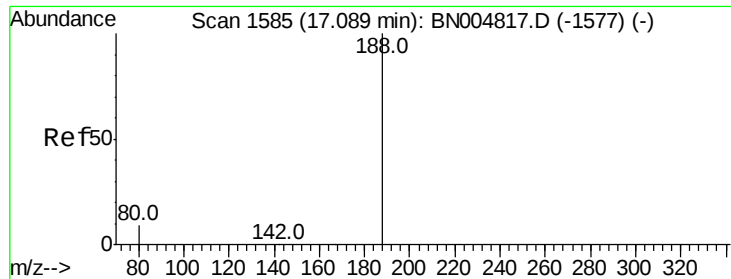
Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 17150 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 95.7  | 78.2  | 117.4 |
| 167       | 16.5  | 11.0  | 16.4# |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

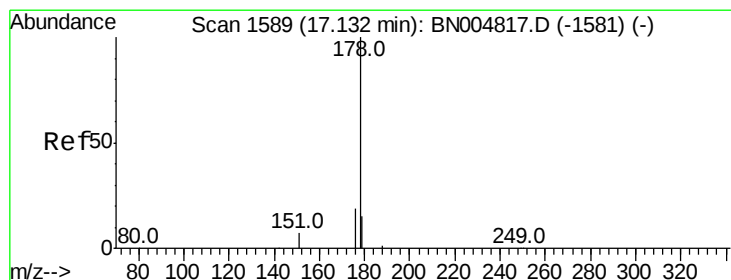
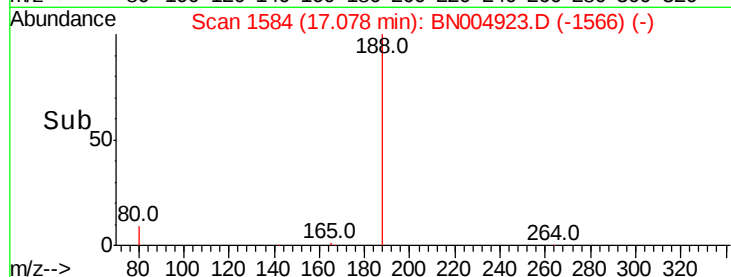
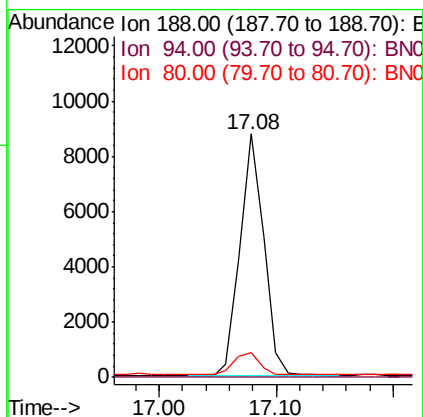
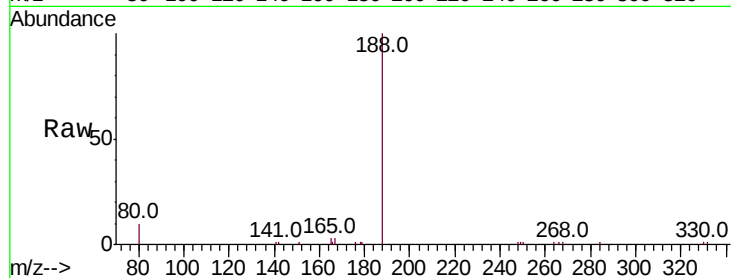
ClientSampleId :

EXT-027-SW015-030719DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 12337 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.1  | 7.4   | 11.2  |

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#23

Phenanthrene

Concen: 7.199 ng

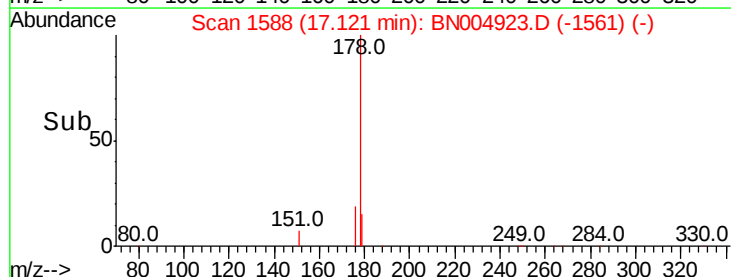
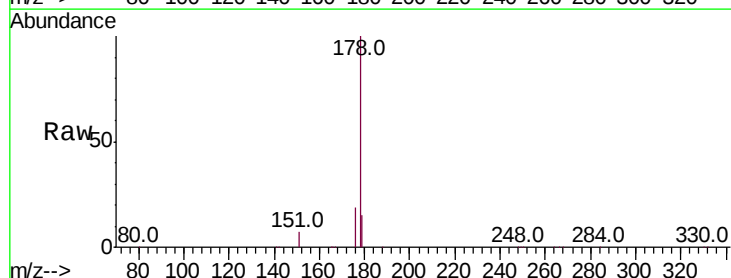
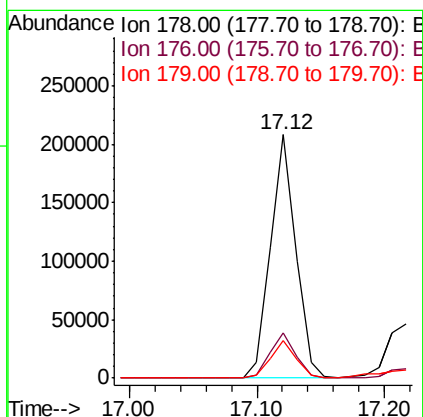
RT: 17.12 min Scan# 1588

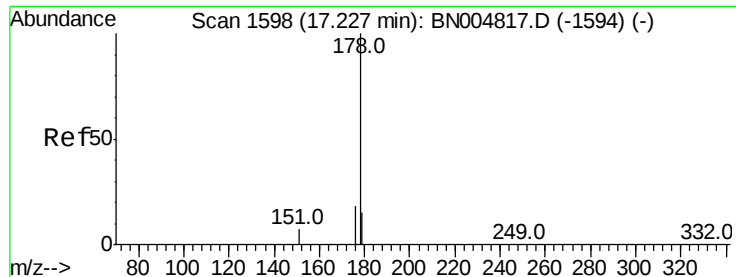
Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 286773 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.8  | 14.9  | 22.3   |
| 179       | 15.4  | 12.1  | 18.1   |





#24

Anthracene

Concen: 1.956 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

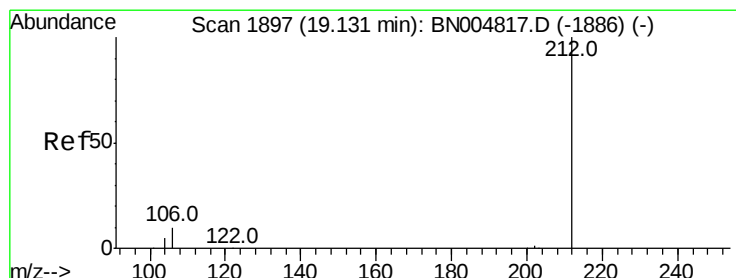
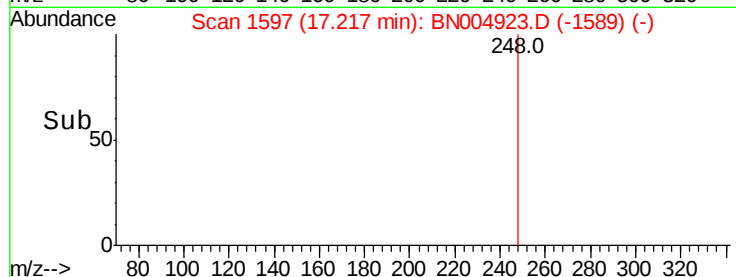
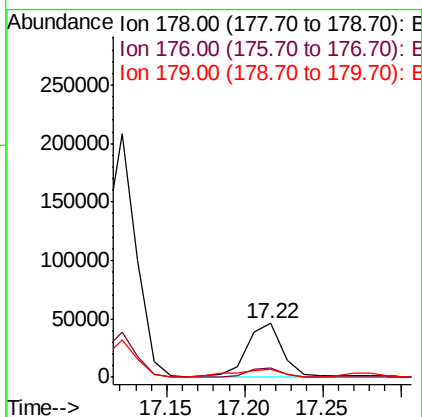
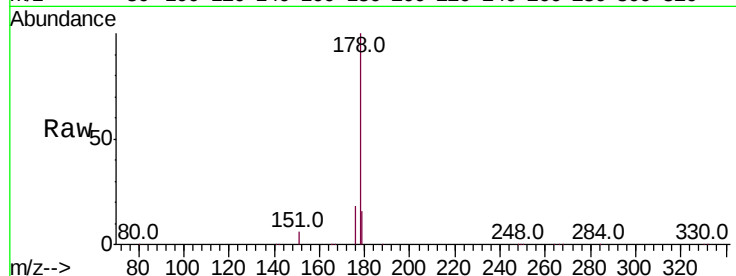
ClientSampleId :

EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 14.5  | 21.7  |
| 179     | 21.4  | 12.2  | 18.4  |

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#25

Fluoranthene-d10

Concen: 0.128 ng

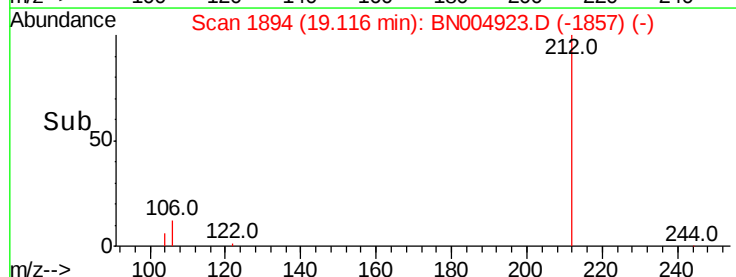
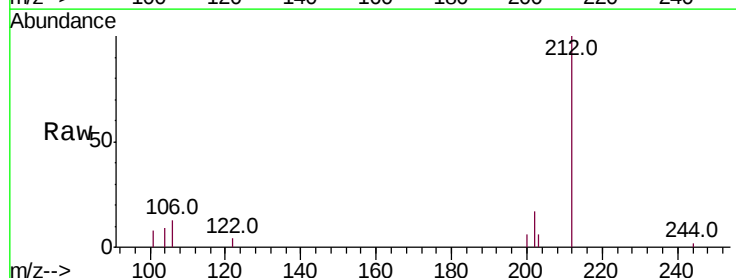
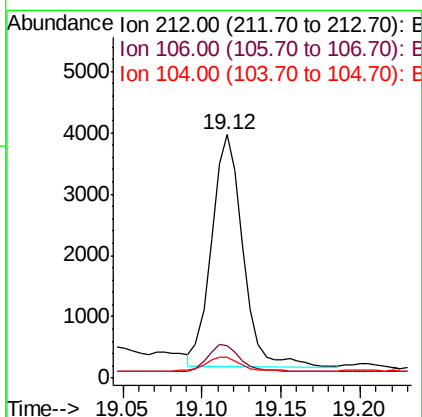
RT: 19.12 min Scan# 1894

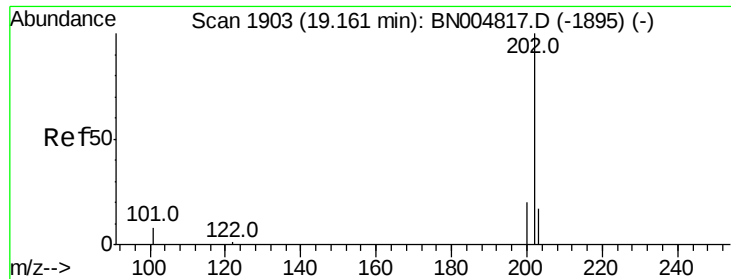
Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 12.2  | 8.6   | 13.0  |
| 104     | 6.9   | 4.7   | 7.1   |





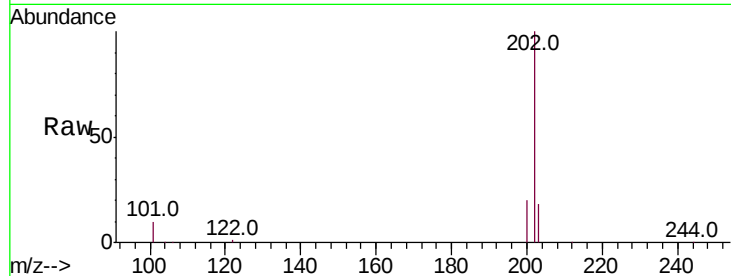
#26  
Fluoranthene  
Concen: 6.902 ng  
RT: 19.15 min Scan# 1900  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

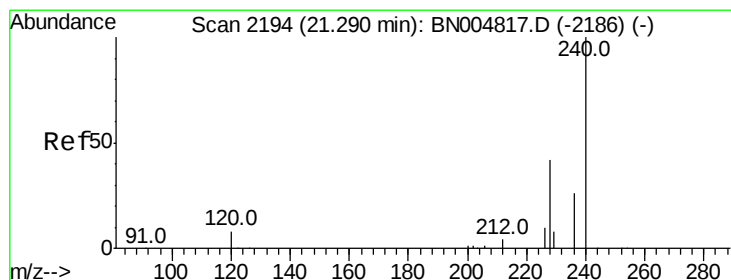
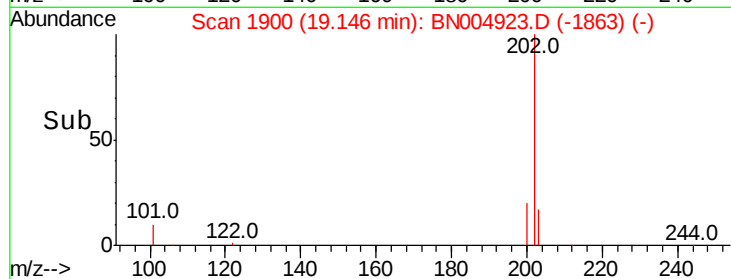
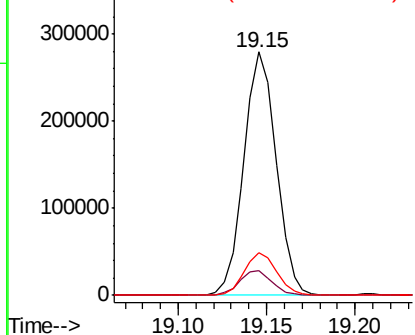
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 353352 |       |       |
| 101     | 10.2  |        | 7.5   | 11.3  |
| 203     | 17.5  |        | 13.8  | 20.6  |

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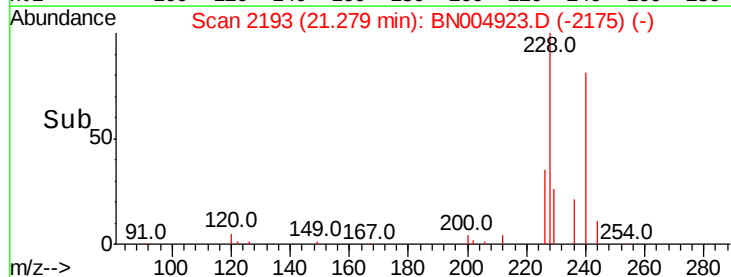
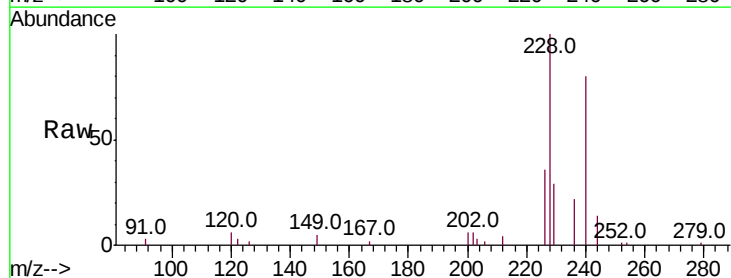
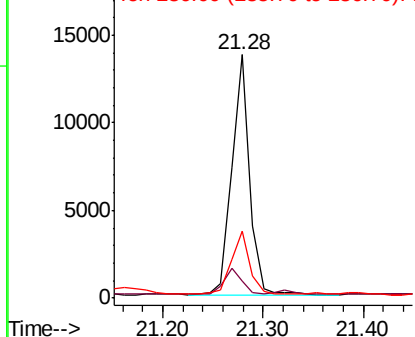
Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

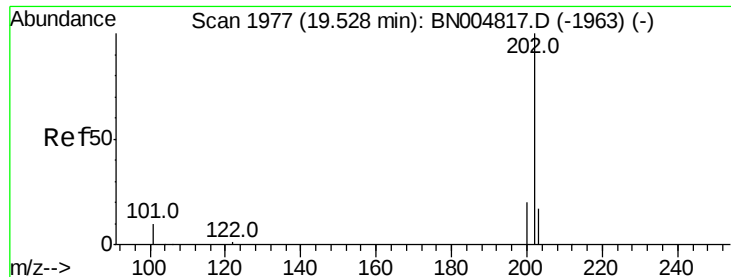


#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.28 min Scan# 2193  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 16917 |       |       |
| 120     | 7.2   |       | 7.2   | 10.8  |
| 236     | 27.3  |       | 20.9  | 31.3  |

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





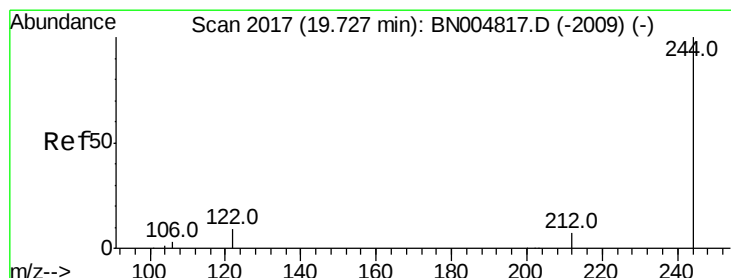
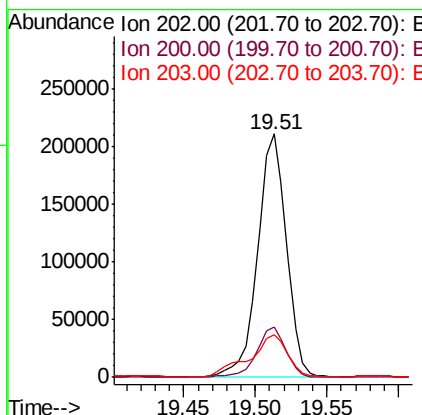
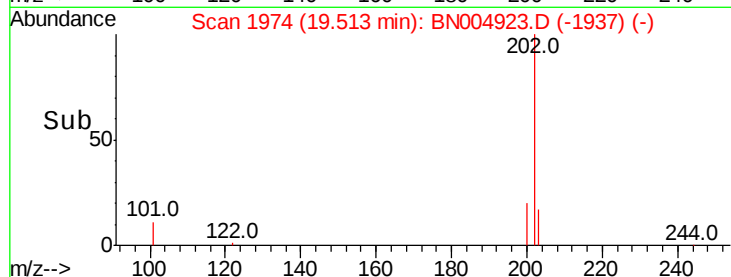
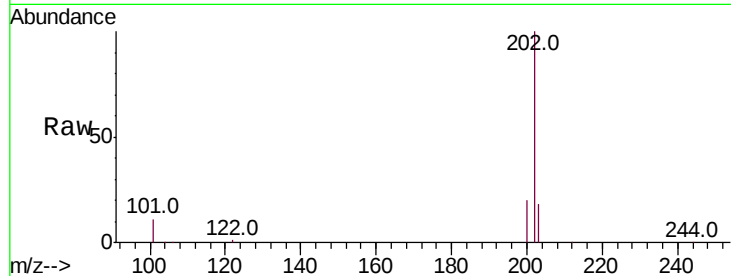
#28  
Pvrene  
Concen: 5.696 ng  
RT: 19.51 min Scan# 1974  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 293818 |       |       |
| 200     | 20.7  | 16.3   | 24.5  |       |
| 203     | 23.2  | 14.0   | 21.0  |       |

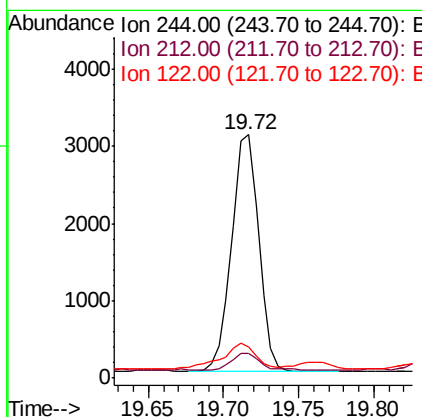
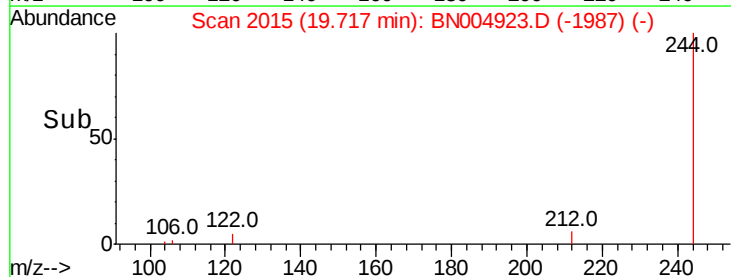
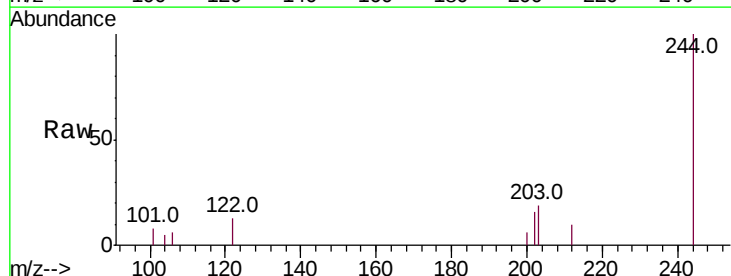
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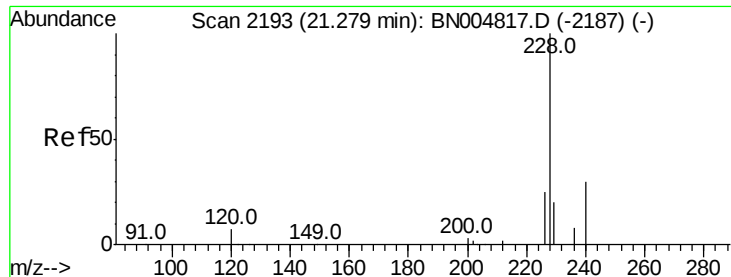
Sohil  
3/25/2019 1:34:25 PM



#29  
Terphenyl-d14  
Concen: 0.110 ng  
RT: 19.72 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 3825 |       |       |
| 212     | 10.1  | 5.8  | 8.6   |       |
| 122     | 12.8  | 7.9  | 11.9  |       |





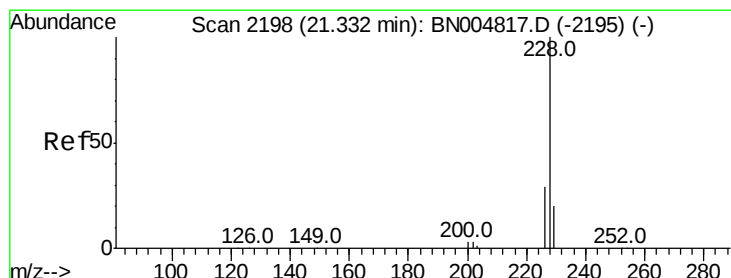
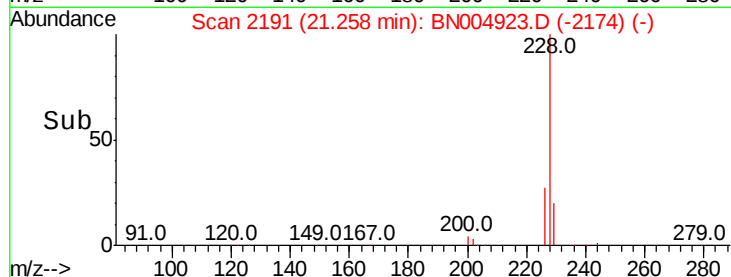
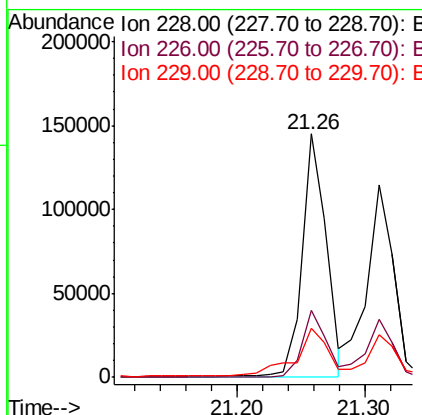
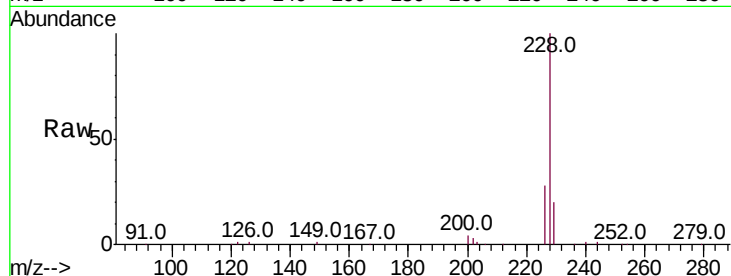
#30  
Benzo(a)anthracene  
Concen: 3.411 ng  
RT: 21.26 min Scan# 2191  
Delta R.T. -0.02 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 20.6  | 31.0  |
| 229     | 20.2  | 16.2  | 24.4  |

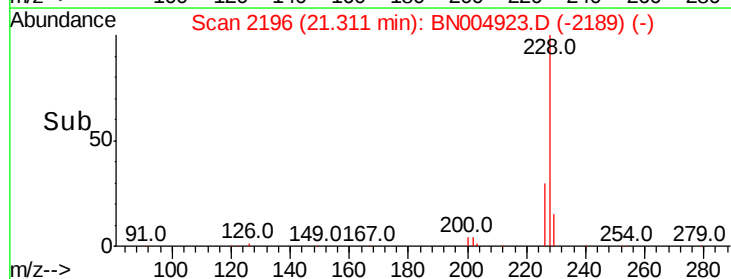
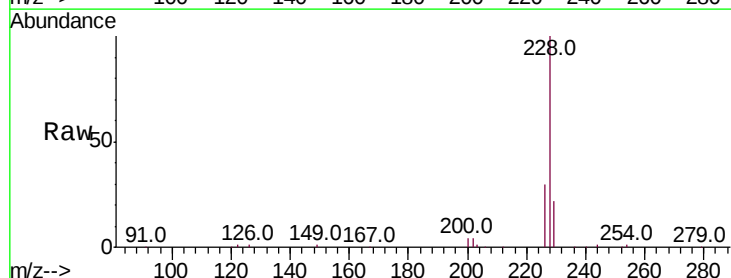
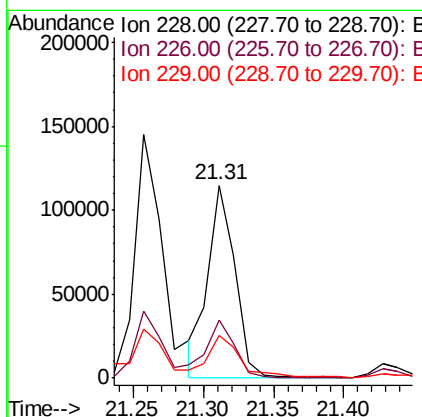
Manual Integrations  
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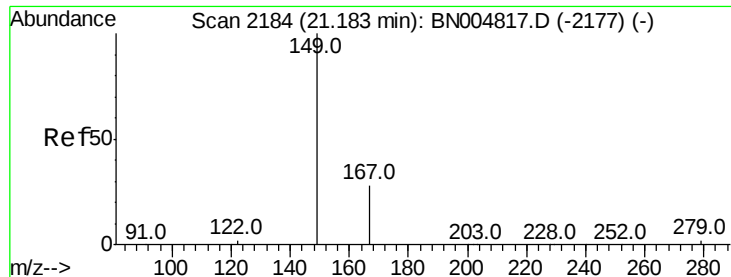
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#31  
Chrysene  
Concen: 2.614 ng  
RT: 21.31 min Scan# 2196  
Delta R.T. -0.02 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 23.0  | 34.6  |
| 229     | 22.4  | 16.2  | 24.2  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.662 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

Instrument :

BNA\_N

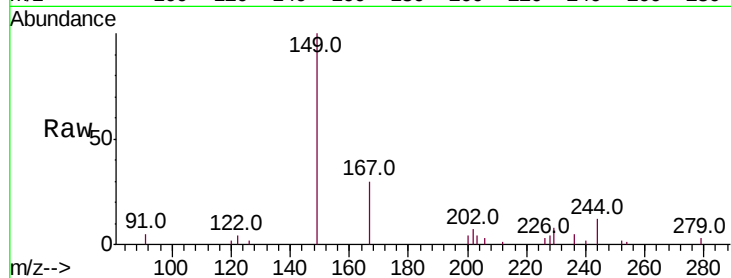
ClientSampleId :

EXT-027-SW015-030719DL

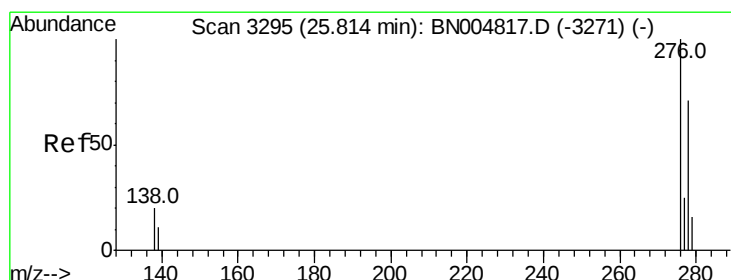
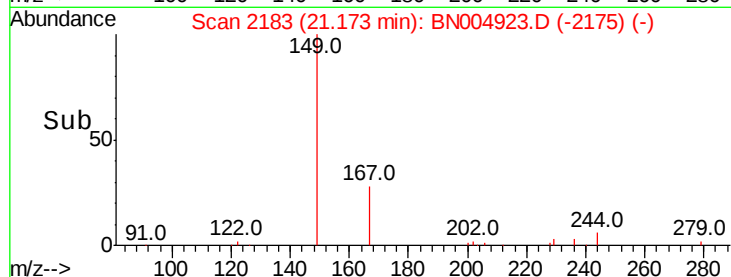
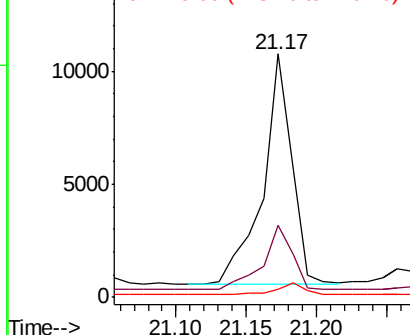
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 14670 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.9  | 23.0  | 34.4  |
| 279       | 4.6   | 4.6   | 6.8   |

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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: 1.012 ng

RT: 25.79 min Scan# 3287

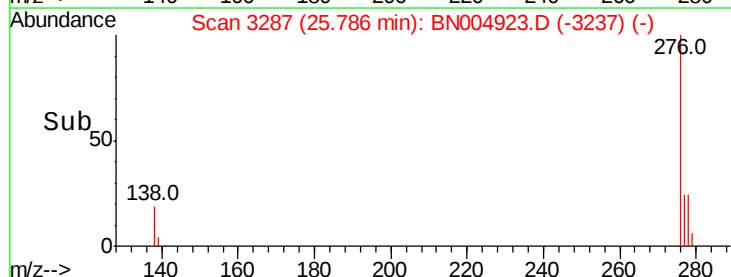
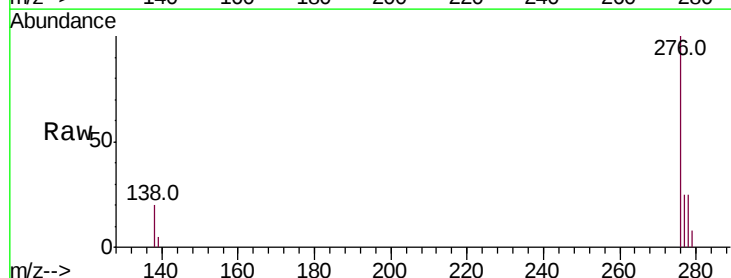
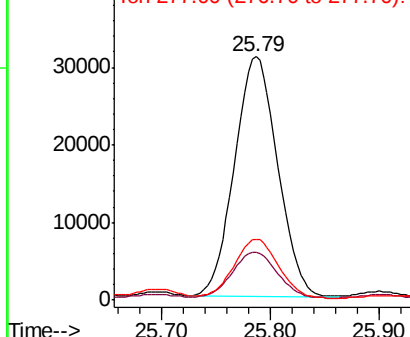
Delta R.T. -0.03 min

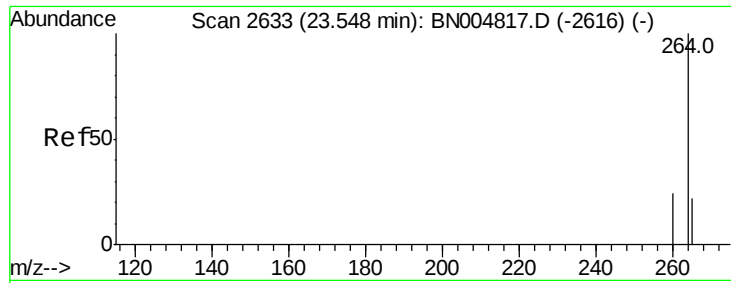
Lab File: BN004923.D

Acq: 23 Mar 2019 16:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 85602 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.8  | 16.6  | 24.8  |
| 277       | 25.1  | 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





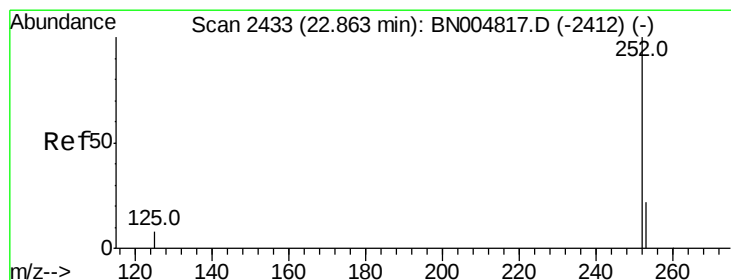
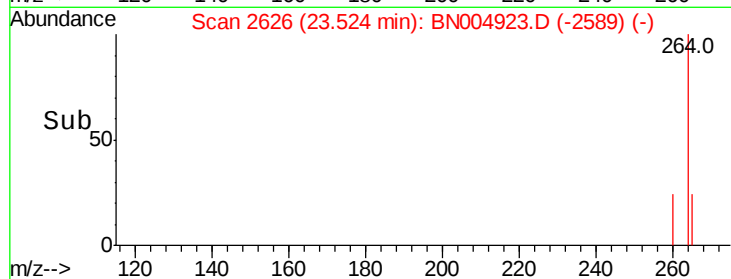
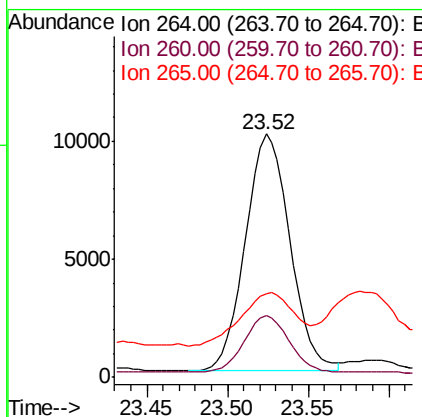
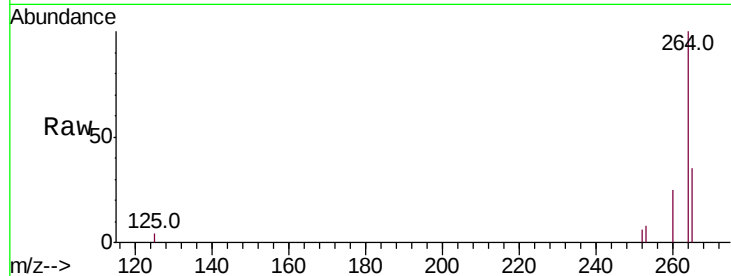
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.52 min Scan# 2626  
Delta R.T. -0.02 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 264   | Resp: | 19300 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 25.5  | 19.5  | 29.3  |
| 265       | 34.5  | 23.1  | 34.7  |

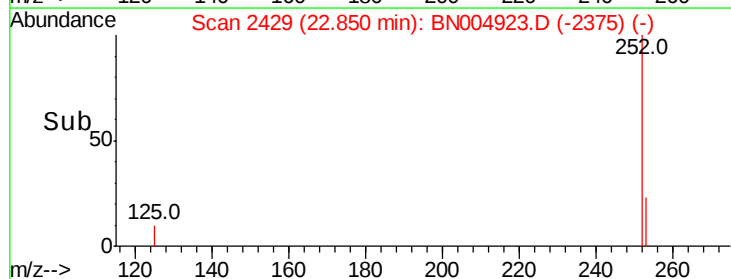
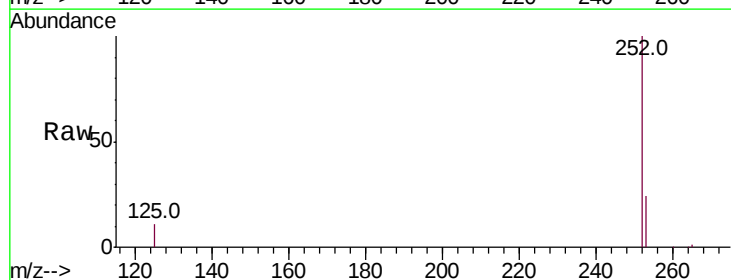
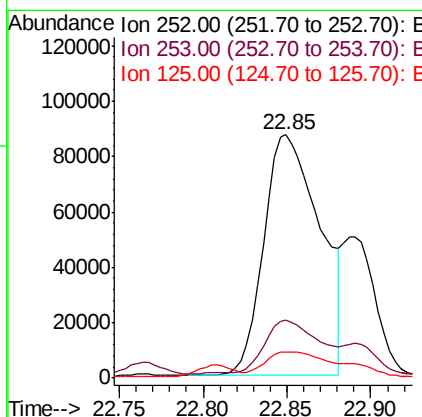
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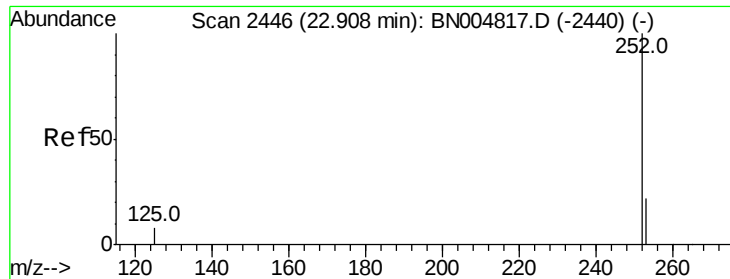
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#35  
Benzo(b)fluoranthene  
Concen: 2.924 ng  
RT: 22.85 min Scan# 2429  
Delta R.T. -0.01 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 204126 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.6  | 19.0  | 28.4   |
| 125       | 10.7  | 7.4   | 11.2   |





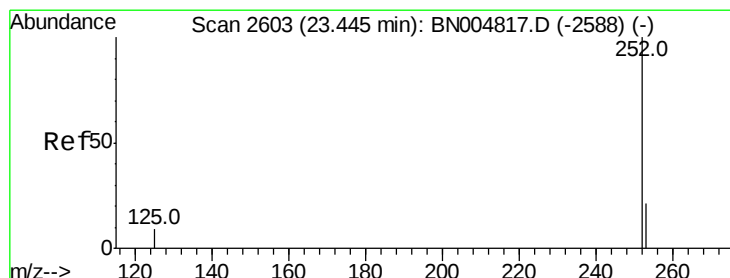
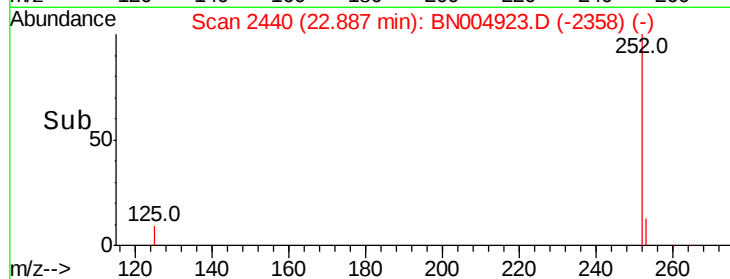
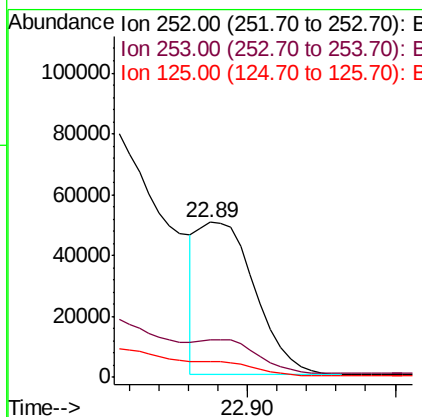
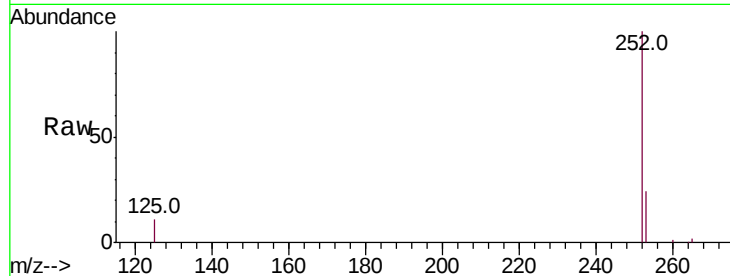
#36  
Benzo(k)fluoranthene  
Concen: 0.981 ng m  
RT: 22.89 min Scan# 2440  
Delta R.T. -0.02 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 19.3  | 28.9  |
| 125     | 10.5  | 7.4   | 11.0  |

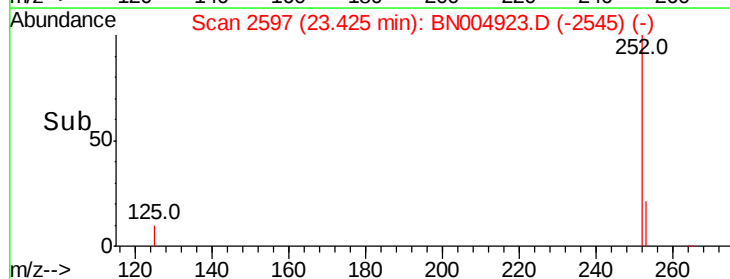
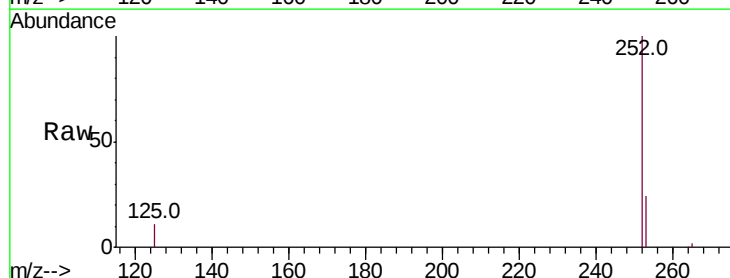
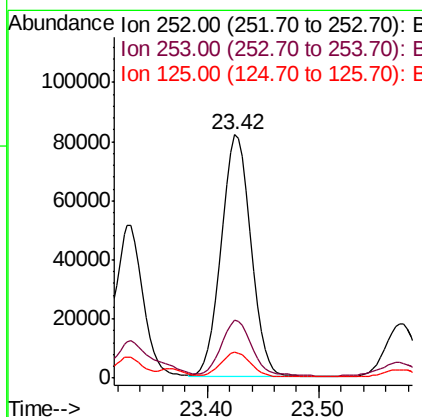
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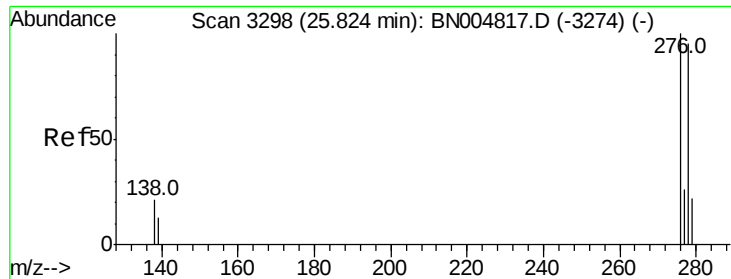
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#37  
Benzo(a)pyrene  
Concen: 2.352 ng  
RT: 23.42 min Scan# 2597  
Delta R.T. -0.02 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 19.7  | 29.5  |
| 125     | 10.7  | 8.3   | 12.5  |





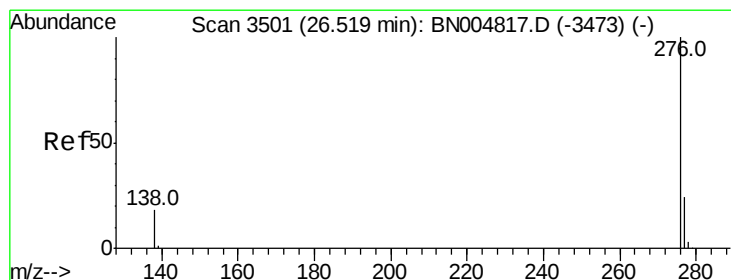
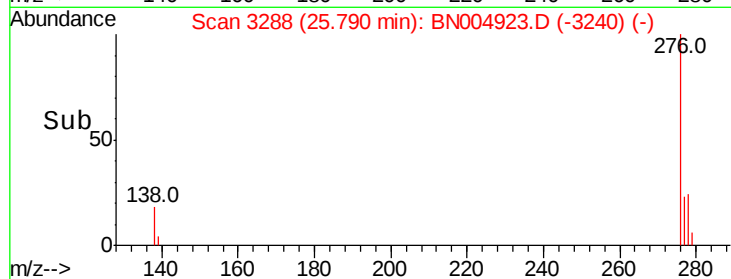
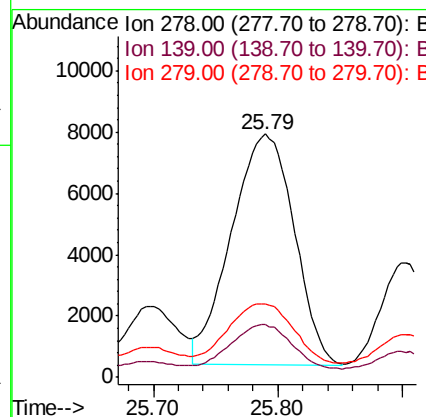
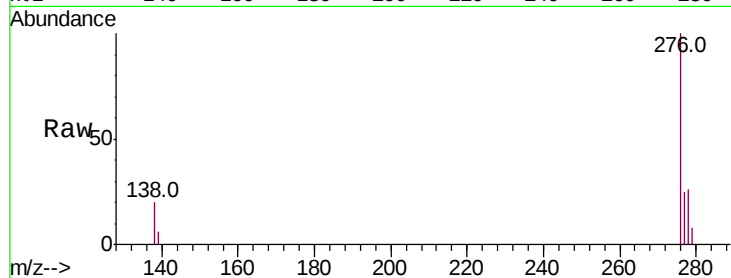
#38  
Dibenzo(a,h)anthracene  
Concen: 0.356 ng  
RT: 25.79 min Scan# 3288  
Delta R.T. -0.03 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW015-030719DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.5  | 11.7  | 17.5# |
| 279     | 30.2  | 19.9  | 29.9# |

Manual Integrations  
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#39  
Benzo(g,h,i)perylene  
Concen: 0.976 ng  
RT: 26.49 min Scan# 3492  
Delta R.T. -0.03 min  
Lab File: BN004923.D  
Acq: 23 Mar 2019 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 19.7  | 29.5  |
| 138     | 20.5  | 14.6  | 22.0  |

