

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\  
 Data File : BF101639.D  
 Acq On : 22 Dec 2017 7:08  
 Operator : SJ/JU  
 Sample : I6966-06  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-EW-3-4-10

Manual Integrations  
 APPROVED

Sohil  
 12/22/2017 12:42:32 PM

Quant Time: Dec 22 08:24:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 20 14:25:04 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 136109   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.08  | 136  | 482260   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 9.83  | 164  | 173400   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 11.33 | 188  | 275154   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 13.99 | 240  | 202646   | 20.00  | ng    | 0.02        |
| 86) Perylene-d12            | 15.49 | 264  | 179400   | 20.00  | ng    | 0.05        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.42  | 112  | 896024   | 98.06  | ng    | 0.01        |
| 7) Phenol-d6                | 6.44  | 99   | 1040150  | 91.47  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 611662   | 70.60  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 152078   | 91.02  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 801462   | 71.70  | ng    | 0.00        |
| 78) Terphenyl-d14           | 12.92 | 244  | 584929   | 69.59  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.45  | 94   | 44247    | 3.414  | ng    | Qvalue # 69 |
| 31) Naphthalene             | 8.10  | 128  | 133890   | 5.515  | ng    | 99          |
| 37) 2-Methylnaphthalene     | 8.79  | 142  | 67185    | 4.247  | ng    | 100         |
| 49) Dimethylphthalate       | 9.55  | 163  | 47908    | 3.435  | ng    | 99          |
| 51) Acenaphthene            | 9.87  | 154  | 42279    | 3.786  | ng    | 99          |
| 54) Dibenzofuran            | 10.05 | 168  | 47396    | 3.340  | ng    | 94          |
| 57) Fluorene                | 10.39 | 166  | 64837    | 5.401  | ng    | 97          |
| 70) Phenanthrene            | 11.35 | 178  | 423019   | 27.645 | ng    | 100         |
| 71) Anthracene              | 11.40 | 178  | 87233    | 5.581  | ng    | 97          |
| 72) Carbazole               | 11.57 | 167  | 42782    | 2.923  | ng    | # 86        |
| 74) Fluoranthene            | 12.55 | 202  | 421065   | 26.216 | ng    | 98          |
| 77) Pvrene                  | 12.79 | 202  | 385642   | 25.357 | ng    | 98          |
| 80) Benzo(a)anthracene      | 13.99 | 228  | 175653   | 13.127 | ng    | # 93        |
| 82) Chrysene                | 14.02 | 228  | 178326   | 14.115 | ng    | # 93        |
| 85) Indeno(1,2,3-cd)pyrene  | 16.97 | 276  | 69752    | 6.200  | ng    | # 89        |
| 87) Benzo(b)fluoranthene    | 15.05 | 252  | 157373m  | 14.392 | ng    |             |
| 88) Benzo(k)fluoranthene    | 15.07 | 252  | 51476m   | 4.842  | ng    |             |
| 89) Benzo(a)pyrene          | 15.42 | 252  | 110750   | 10.987 | ng    | # 61        |
| 91) Benzo(a,h,i)perylene    | 17.42 | 276  | 69671    | 8.130  | ng    | # 84        |

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

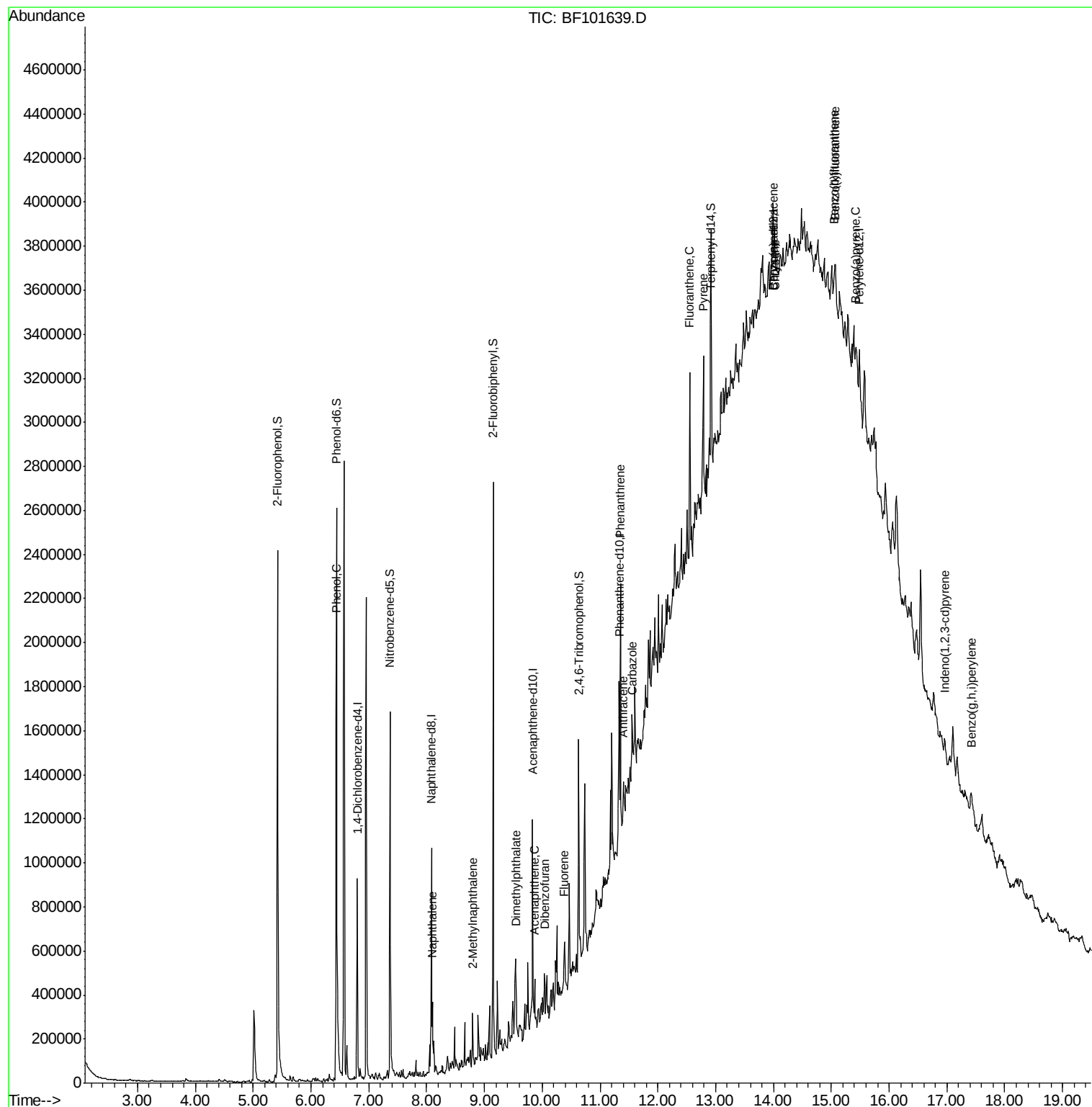
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\  
Data File : BF101639.D  
Acq On : 22 Dec 2017 7:08  
Operator : SJ/JU  
Sample : I6966-06  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

Manual Integrations  
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12/22/2017 12:42:32 PM

Quant Time: Dec 22 08:24:01 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 20 14:25:04 2017  
Response via : Initial Calibration





#1

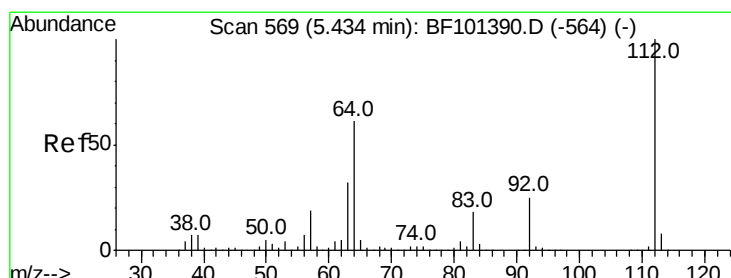
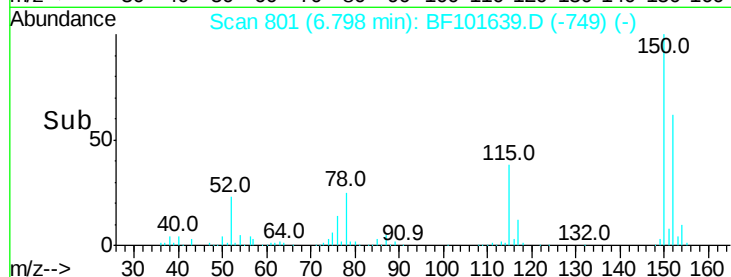
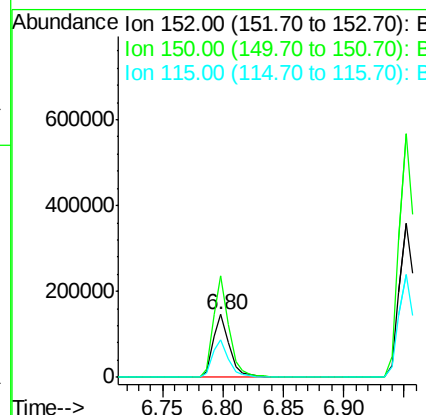
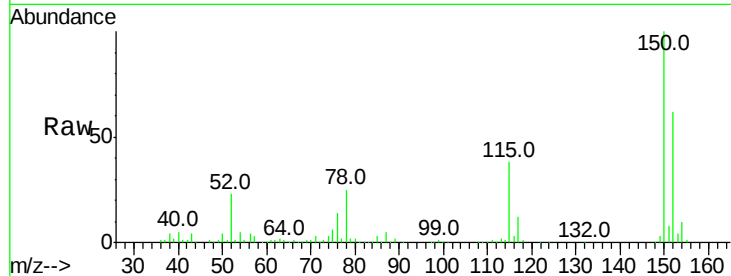
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.01 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.4 | 124.6 | 186.8 |
| 115     | 60.8  | 50.1  | 75.1  |

Manual Integrations  
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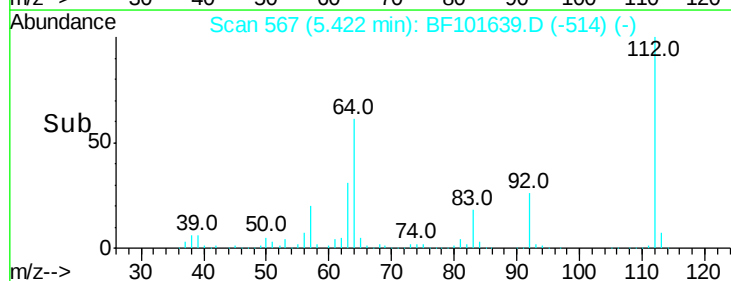
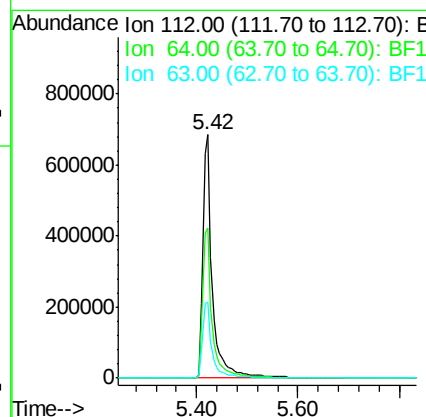
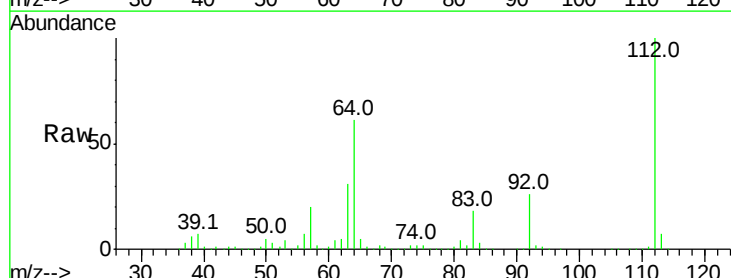
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12/22/2017 12:42:32 PM

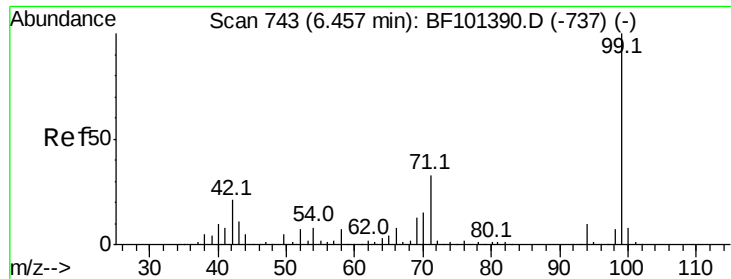


#5

2-Fluorophenol  
Concen: 98.061 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.4  | 47.9  | 71.9  |
| 63      | 31.4  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 91.467 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

ClientSampleId :

DB-EW-3-4-10

Tot Ion: 99 Resp: 1040150

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

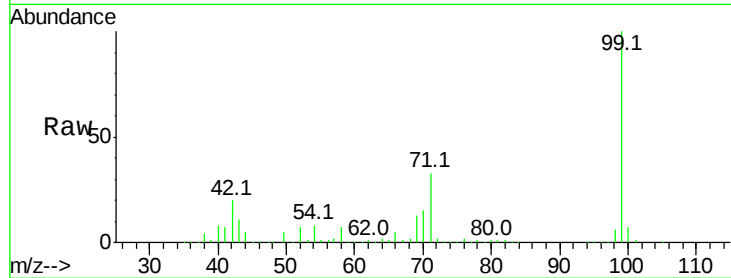
71 33.1 25.4 38.0

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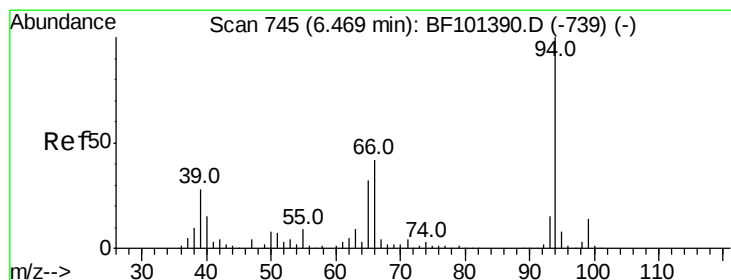
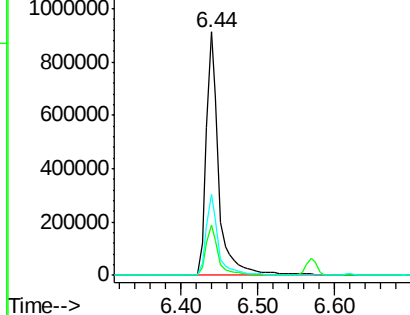
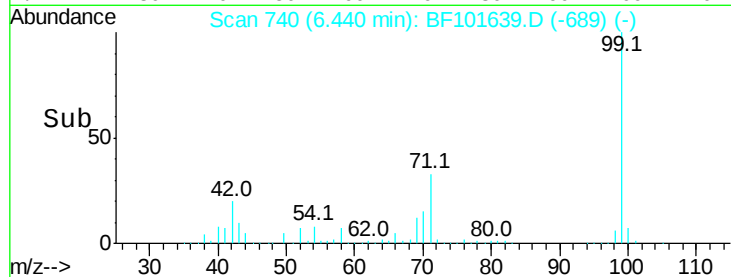
12/22/2017 12:42:32 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.414 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

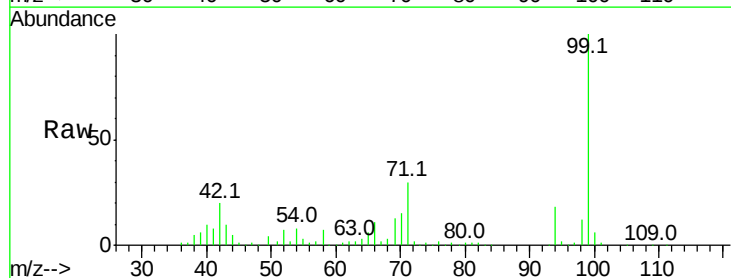
Tgt Ion: 94 Resp: 44247

Ion Ratio Lower Upper

94 100

65 35.9 7.9 47.9

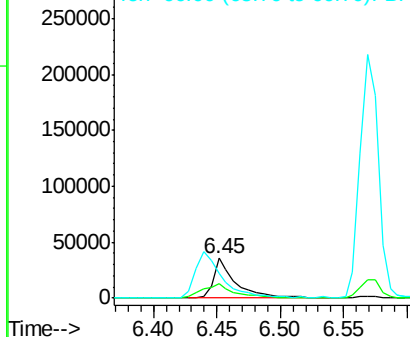
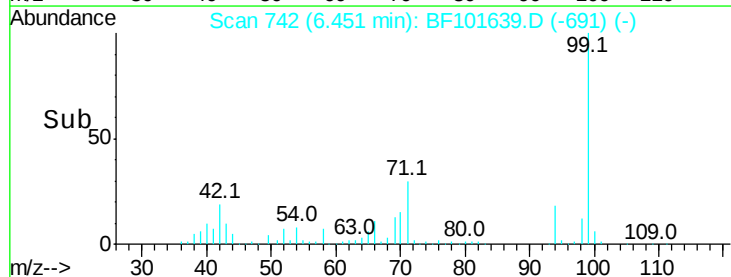
66 61.9 16.2 56.2#

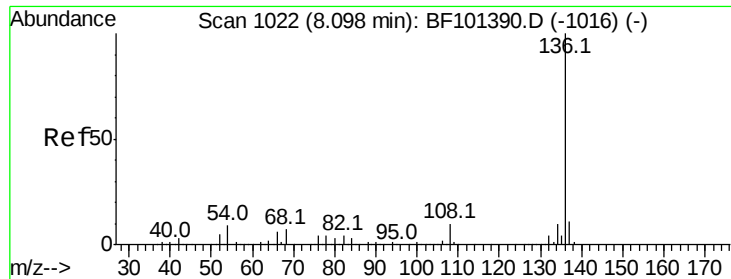


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





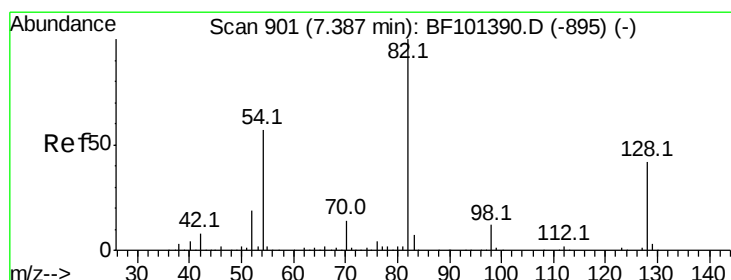
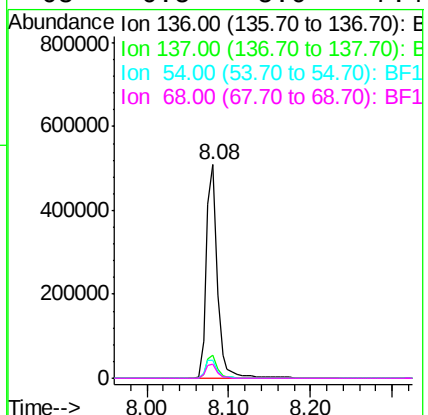
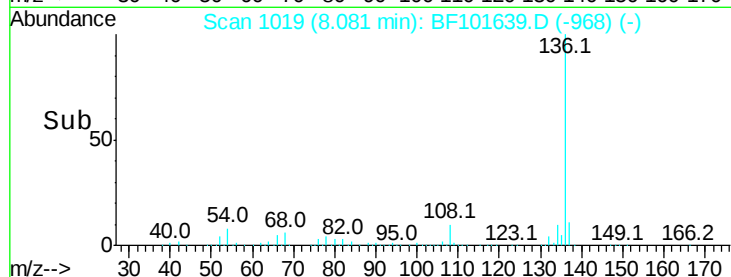
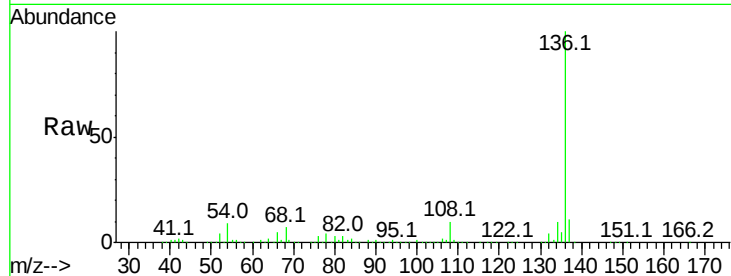
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.9  | 13.3  |       |
| 54      | 8.5   | 6.6  | 9.8   |       |
| 68      | 6.5   | 5.0  | 7.4   |       |

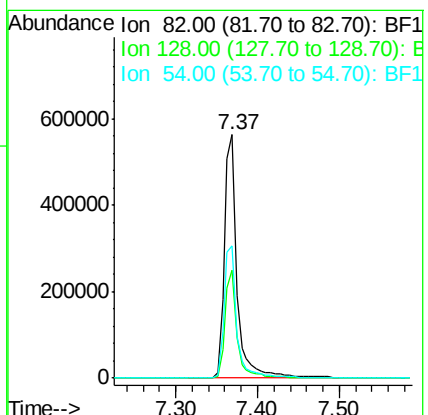
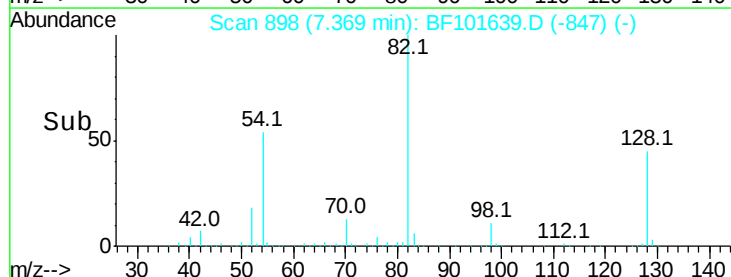
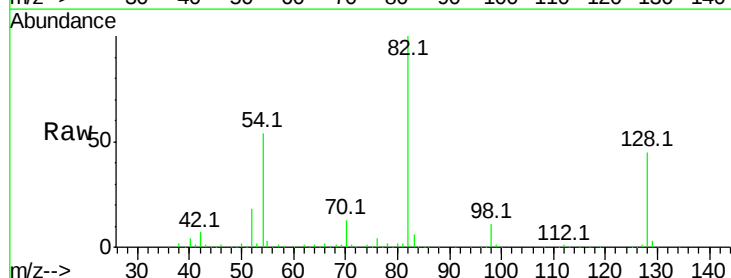
Manual Integrations  
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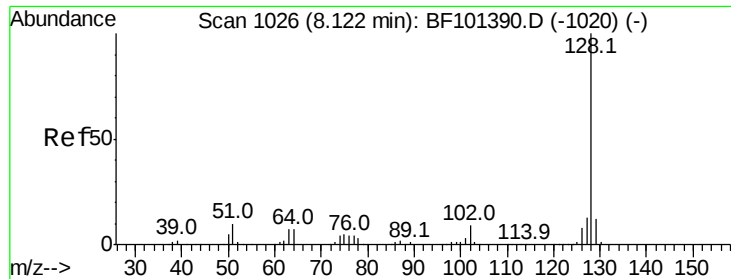
Sohil  
12/22/2017 12:42:32 PM



#23  
Nitrobenzene-d5  
Concen: 70.602 ng  
RT: 7.37 min Scan# 898  
Delta R.T. 0.00 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 44.6  | 36.1 | 54.1  |       |
| 54      | 54.2  | 41.4 | 62.2  |       |





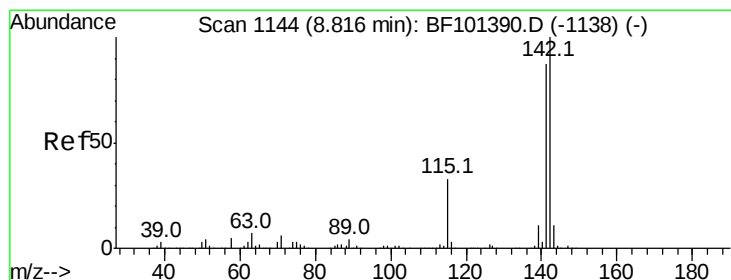
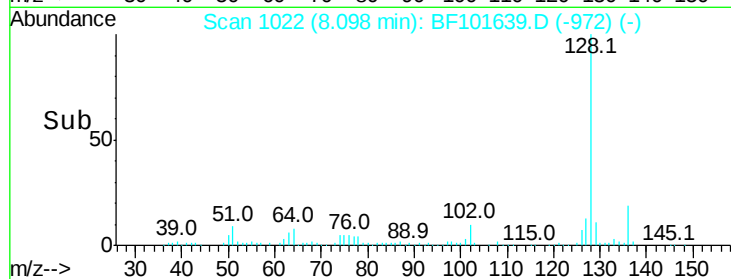
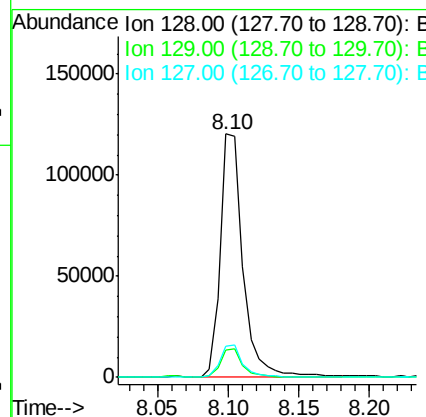
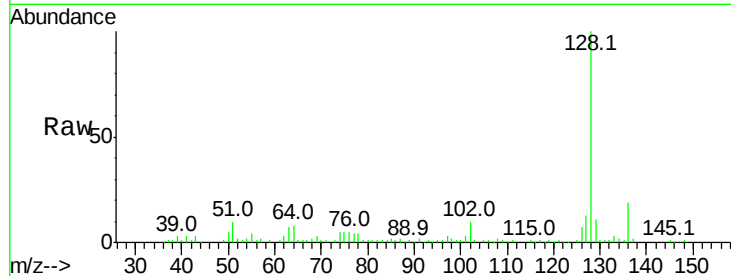
#31  
Naphthalene  
Concen: 5.515 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.2  | 8.8  | 13.2  |       |
| 127     | 12.9  | 10.9 | 16.3  |       |

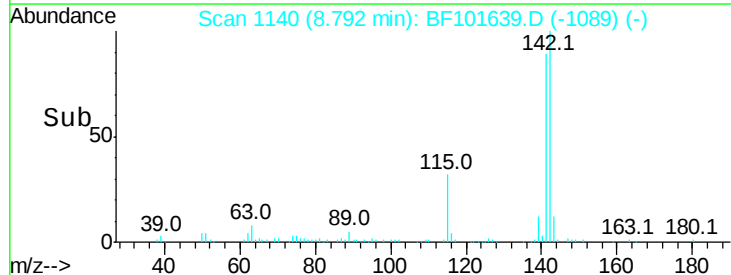
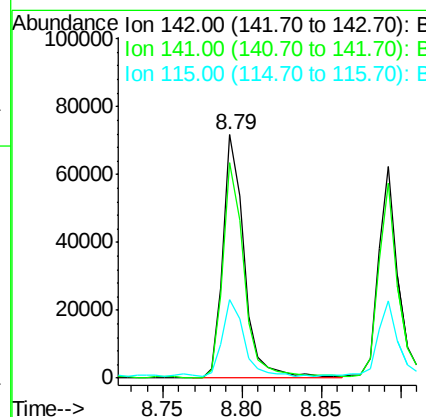
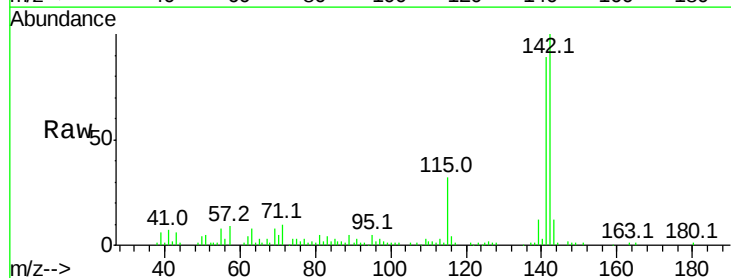
Manual Integrations  
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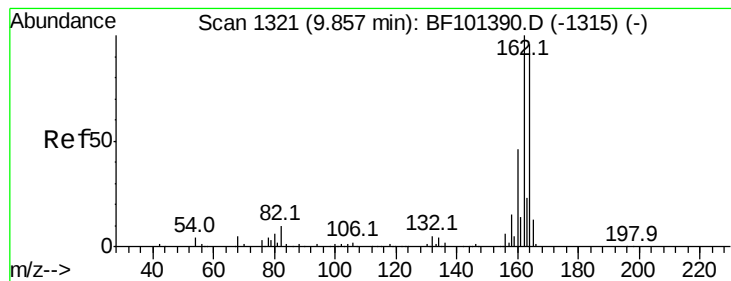
Sohil  
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#37  
2-Methylnaphthalene  
Concen: 4.247 ng  
RT: 8.79 min Scan# 1140  
Delta R.T. 0.00 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 142     | 100   |      |       |       |
| 141     | 88.6  | 70.8 | 106.2 |       |
| 115     | 32.2  | 26.1 | 39.1  |       |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

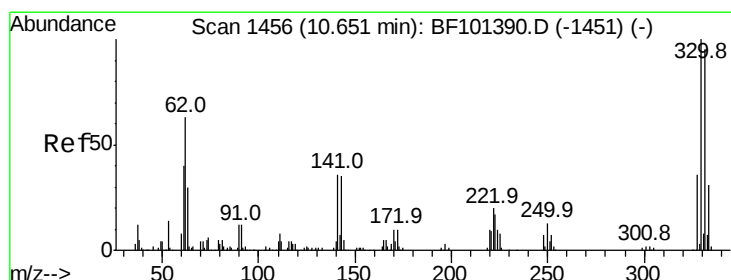
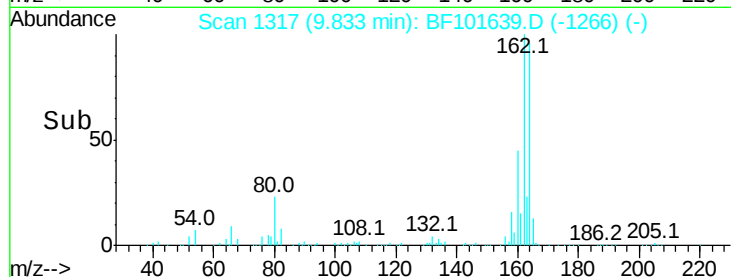
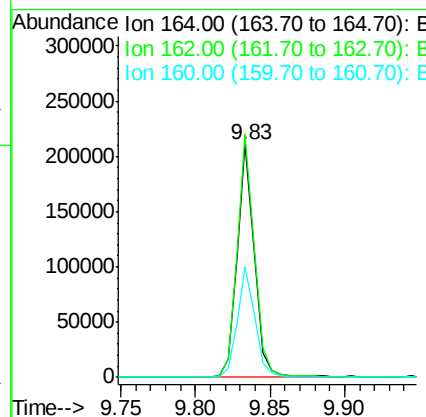
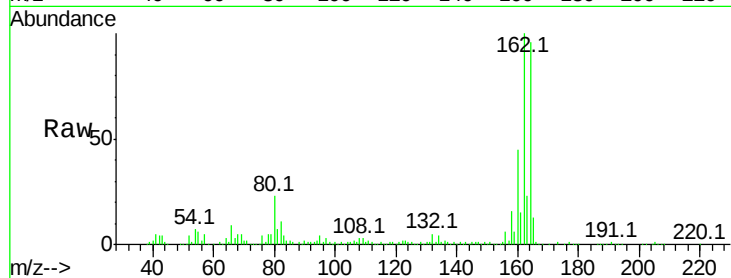
ClientSampleId :

DB-EW-3-4-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 173400 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.4 | 86.1  | 129.1  |
| 160       | 47.1  | 38.3  | 57.5   |

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#41

2,4,6-Tribromophenol

Concen: 91.019 ng

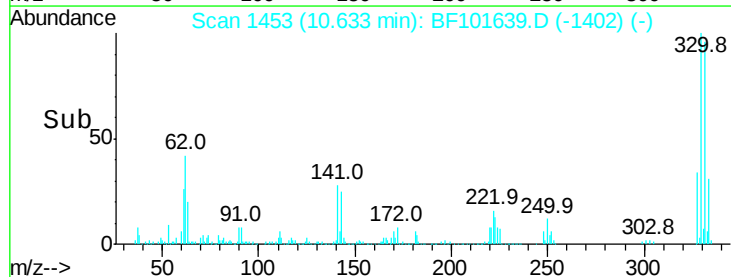
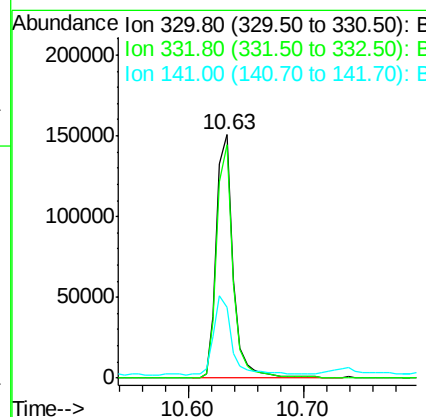
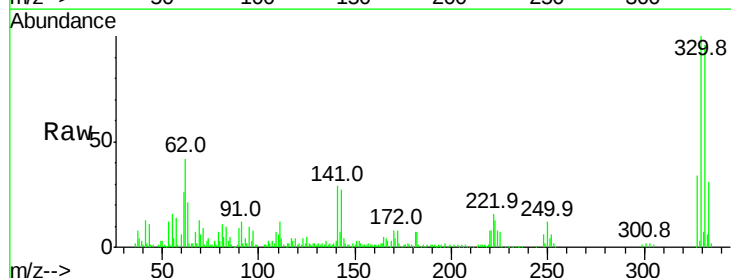
RT: 10.63 min Scan# 1453

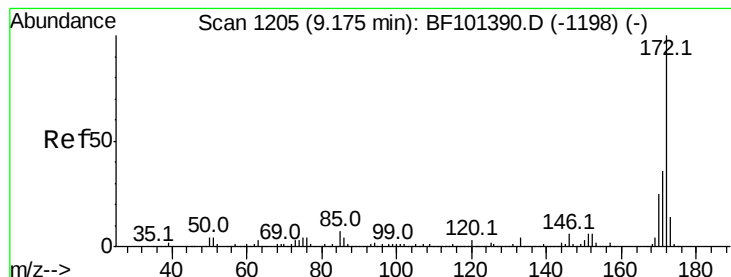
Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 152078 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 94.5  | 77.0  | 115.6  |
| 141       | 34.9  | 29.9  | 44.9   |





#44

2-Fluorobiphenyl

Concen: 71.699 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

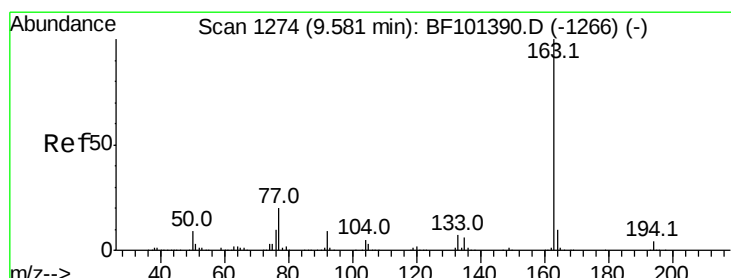
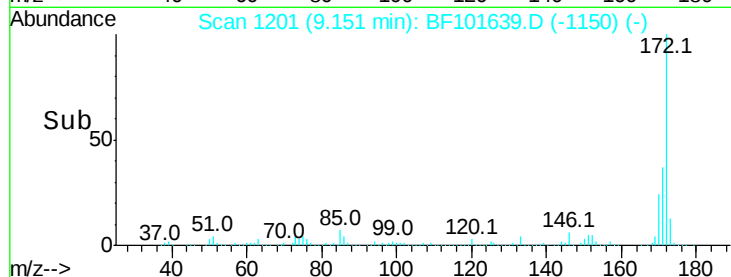
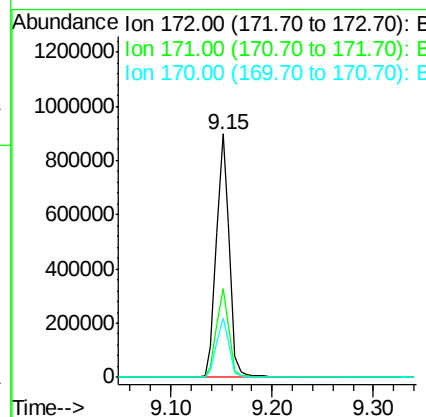
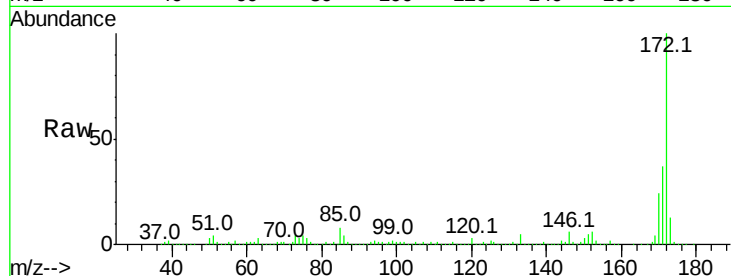
ClientSampleId :

DB-EW-3-4-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 172   | Resp: | 801462 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.7  | 29.7  | 44.5   |
| 170       | 24.4  | 19.6  | 29.4   |

Manual Integrations  
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#49

Dimethylphthalate

Concen: 3.435 ng

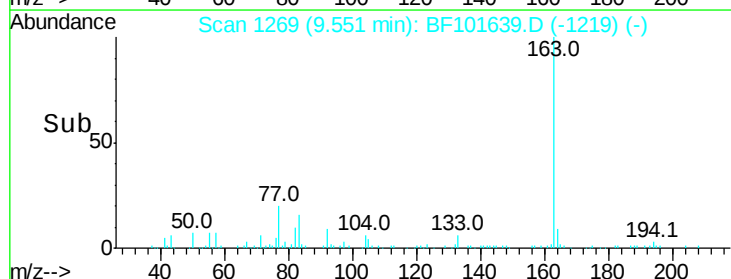
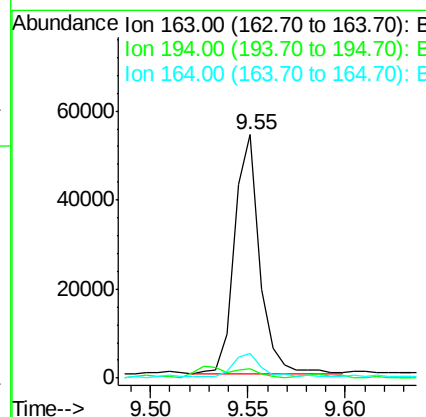
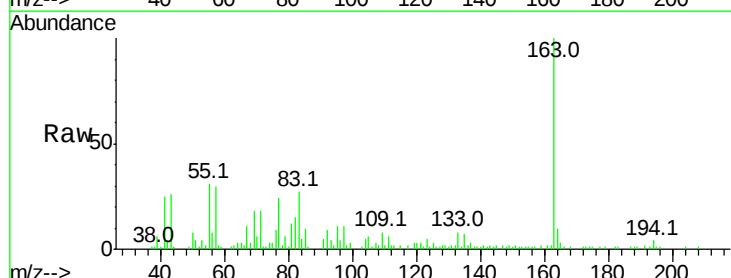
RT: 9.55 min Scan# 1269

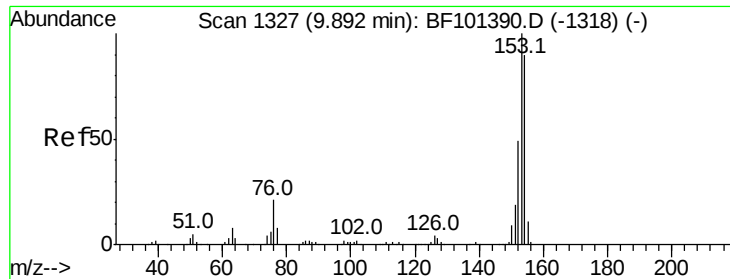
Delta R.T. -0.01 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 47908 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 3.9   | 2.7   | 4.1   |
| 164       | 10.0  | 8.2   | 12.2  |





#51

Acenaphthene

Concen: 3.786 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

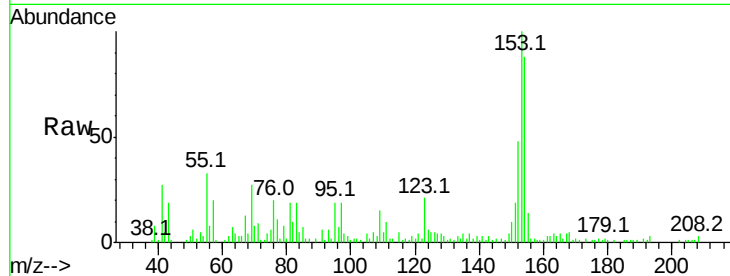
ClientSampleId :

DB-EW-3-4-10

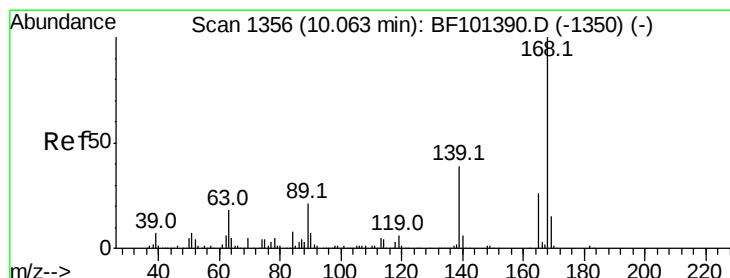
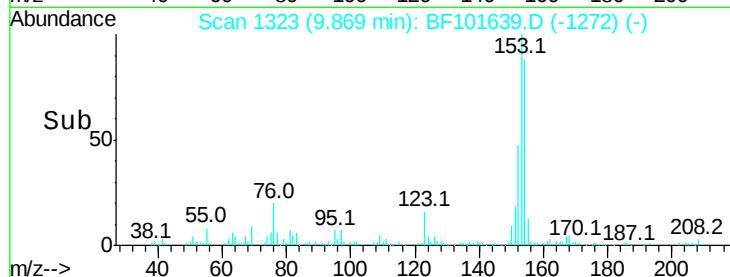
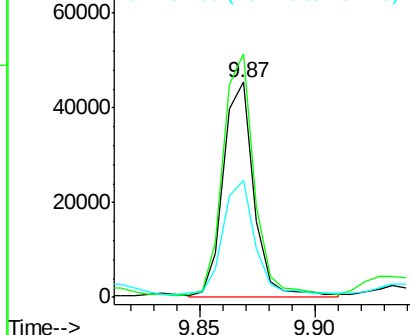
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 42279 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 113.2 | 91.2  | 136.8 |
| 152      | 54.2  | 43.8  | 65.8  |

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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



#54

Dibenzofuran

Concen: 3.340 ng

RT: 10.05 min Scan# 1353

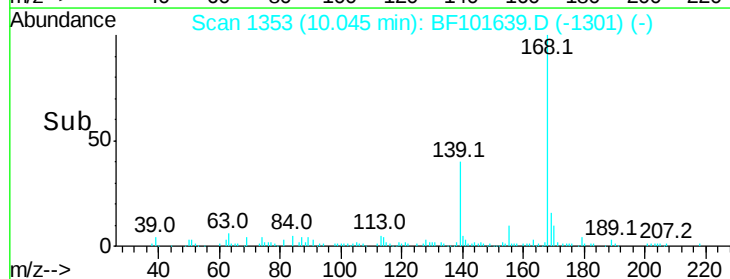
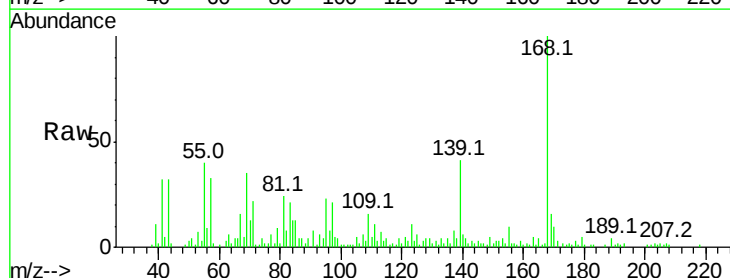
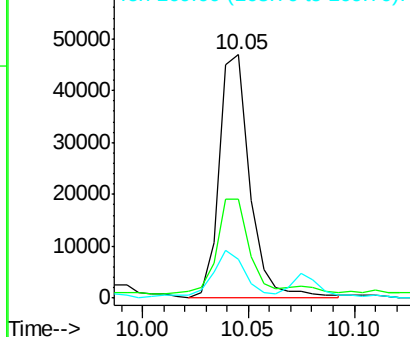
Delta R.T. 0.01 min

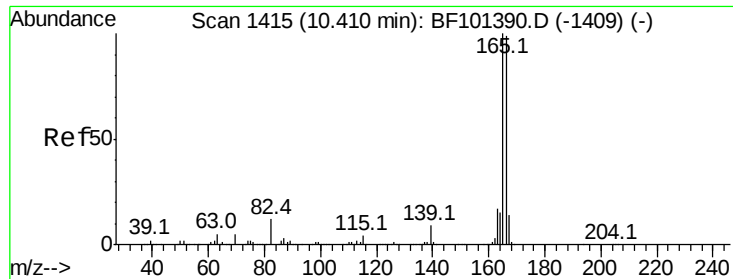
Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 168   | Resp: | 47396 |
| Ion      | Ratio | Lower | Upper |
| 168      | 100   |       |       |
| 139      | 40.9  | 30.1  | 45.1  |
| 169      | 16.2  | 10.9  | 16.3  |

Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





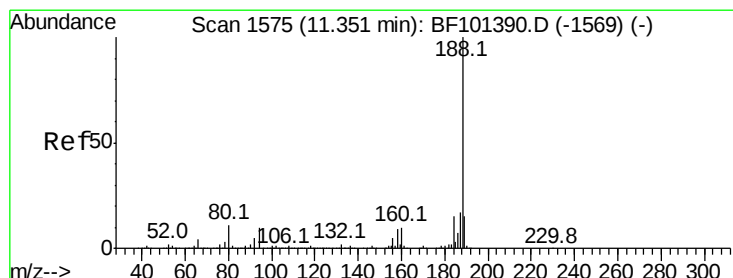
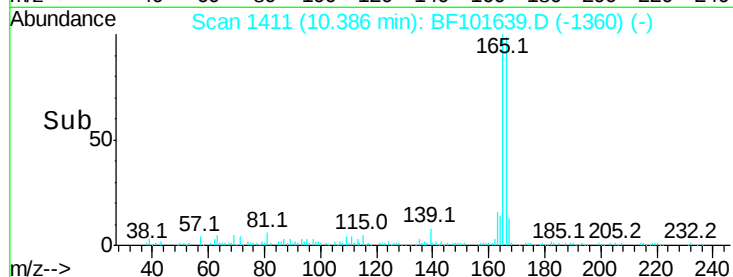
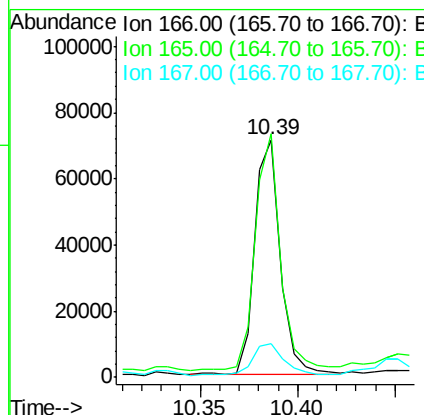
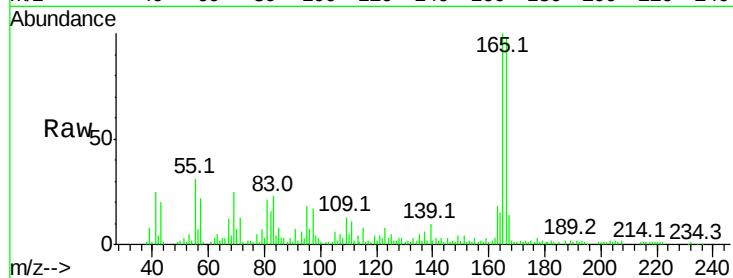
#57  
**Fluorene**  
 Concen: 5.401 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: BF101639.D  
 Acq: 22 Dec 2017 7:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-EW-3-4-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.5 | 79.8  | 119.8 |
| 167     | 14.2  | 10.6  | 16.0  |

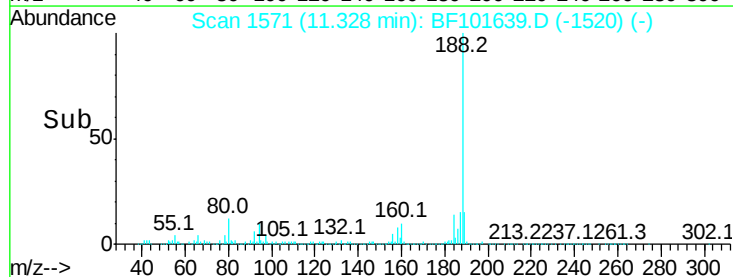
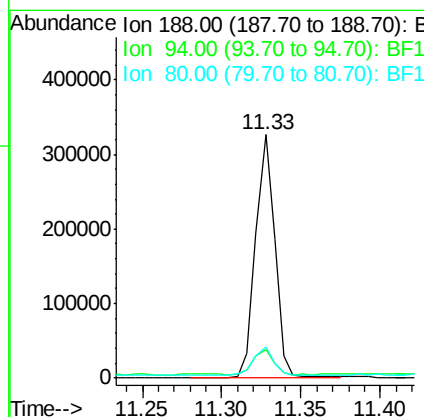
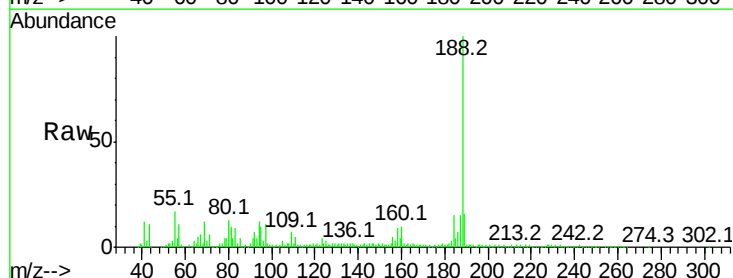
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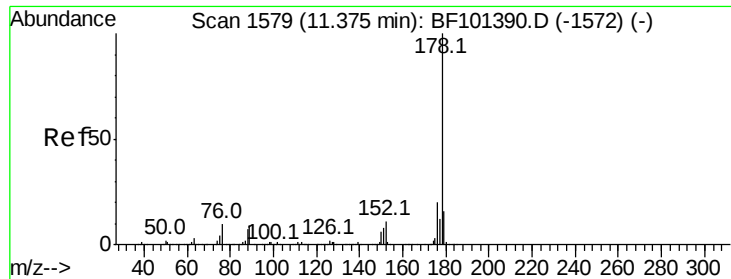
Sohil  
 12/22/2017 12:42:32 PM



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1571  
 Delta R.T. 0.00 min  
 Lab File: BF101639.D  
 Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.7  | 8.5   | 12.7  |
| 80      | 12.8  | 9.2   | 13.8  |





#70

Phenanthrene

Concen: 27.645 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

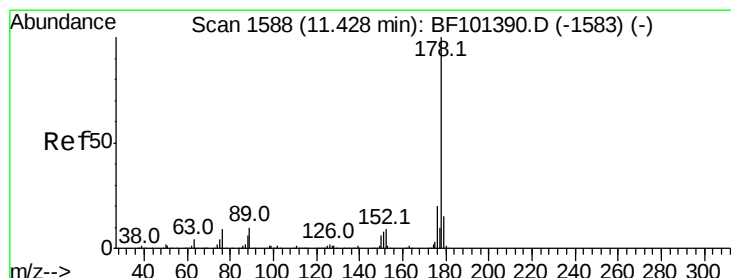
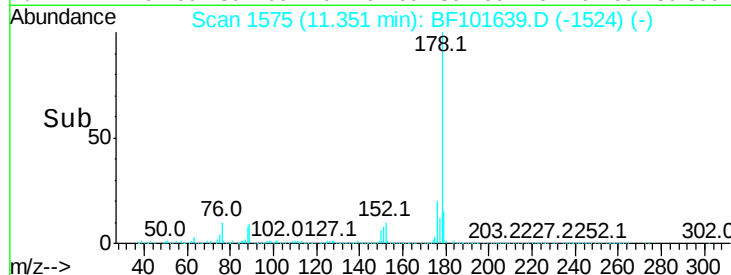
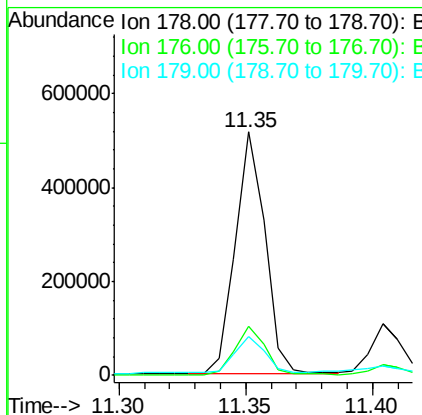
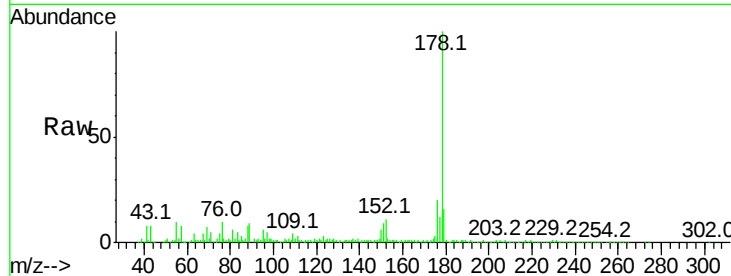
ClientSampleId :

DB-EW-3-4-10

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 423019    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 20.0  | 15.8 23.8 |
| 179         | 16.1  | 13.0 19.6 |

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#71

Anthracene

Concen: 5.581 ng

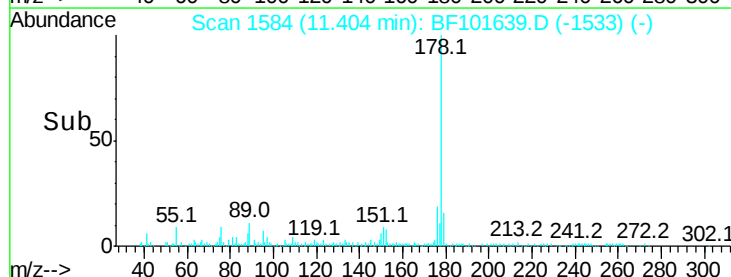
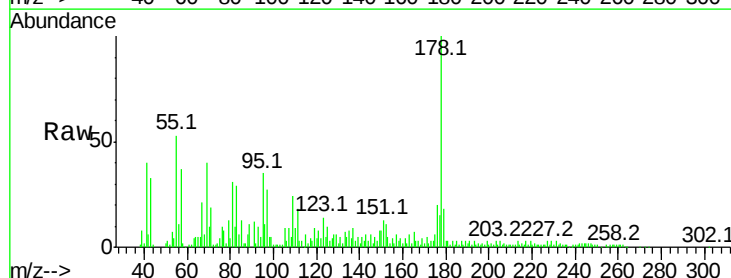
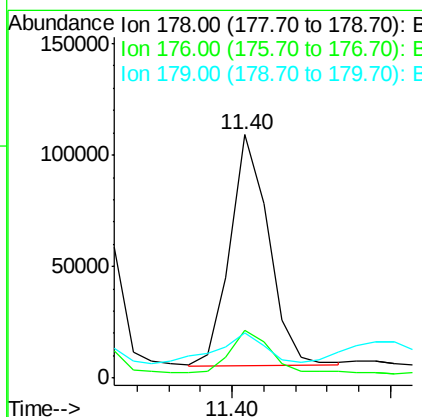
RT: 11.40 min Scan# 1584

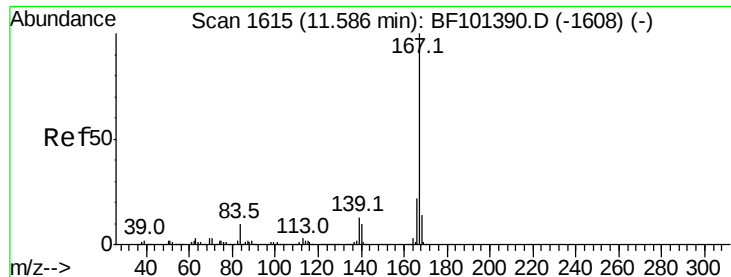
Delta R.T. 0.00 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 87233     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.6  | 15.4 23.2 |
| 179         | 18.4  | 12.6 19.0 |





#72

Carbazole

Concen: 2.923 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

ClientSampleId :

DB-EW-3-4-10

Tot Ion:167 Resp: 42782

Ion Ratio Lower Upper

167 100

166 25.5 17.6 26.4

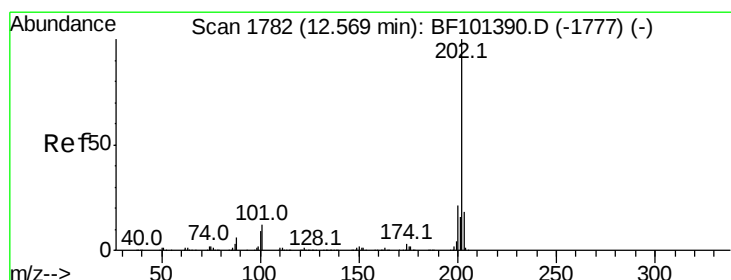
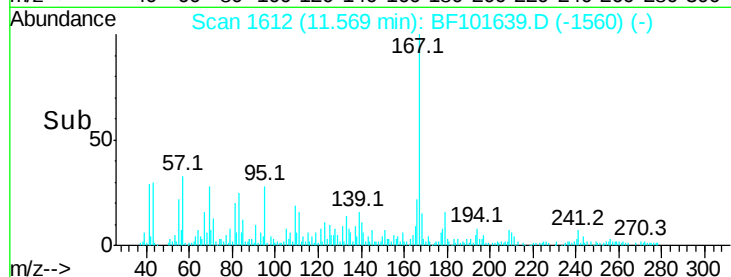
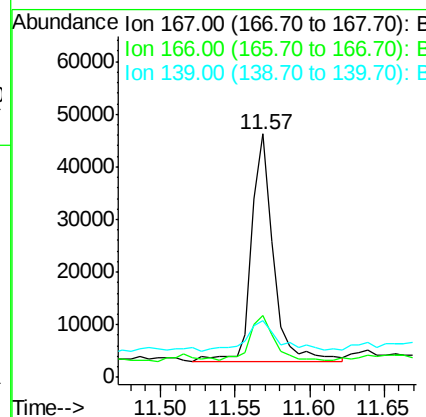
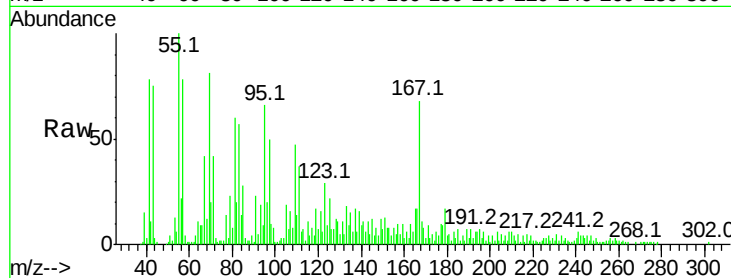
139 23.3 10.9 16.3#

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#74

Fluoranthene

Concen: 26.216 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

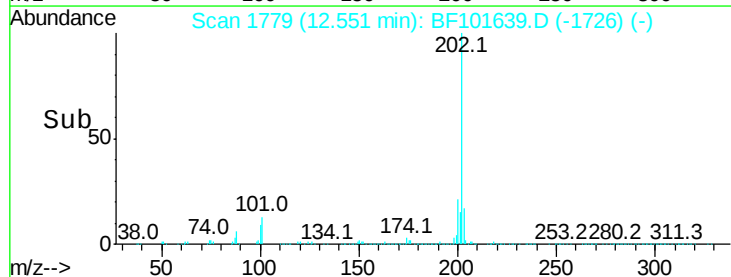
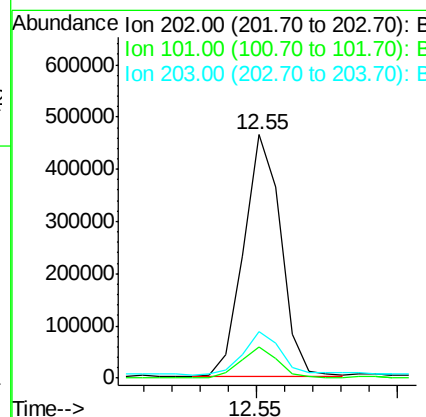
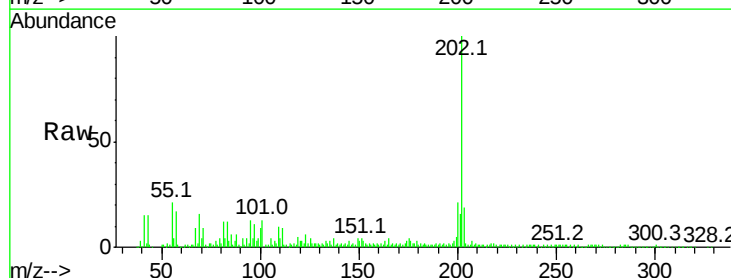
Tgt Ion:202 Resp: 421065

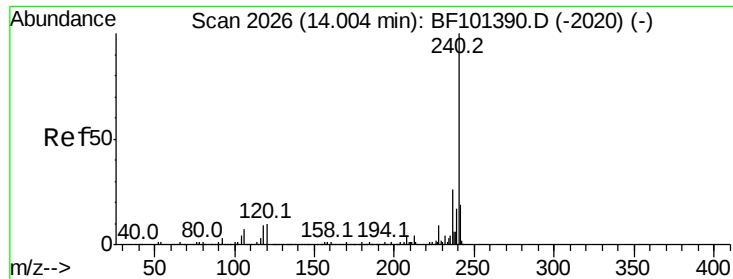
Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

203 18.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

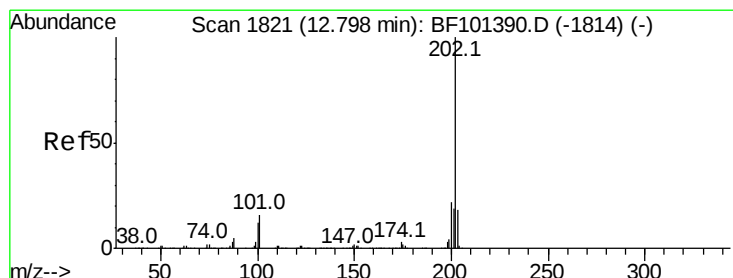
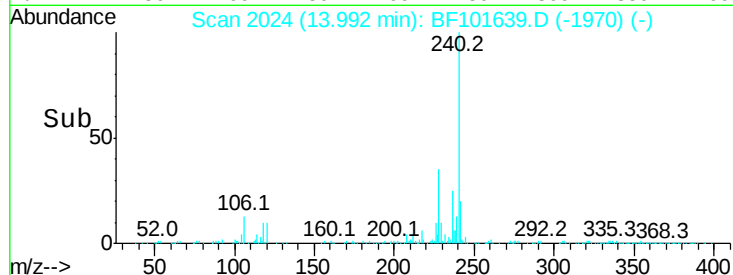
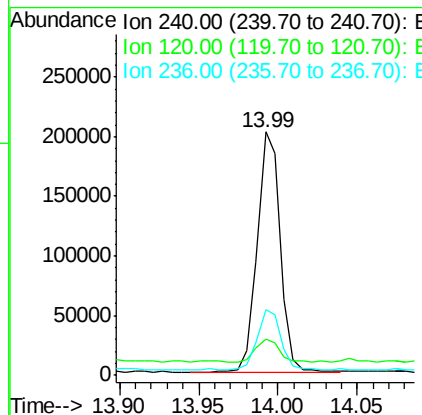
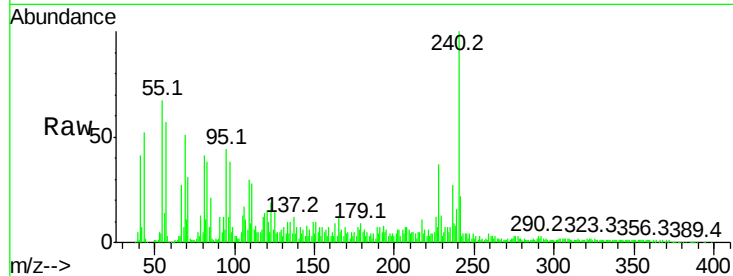
ClientSampleId :

DB-EW-3-4-10

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 15.1  | 9.5        | 14.3  |
| 236     | 27.1  | 20.7       | 31.1  |

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#77

Pyrene

Concen: 25.357 ng

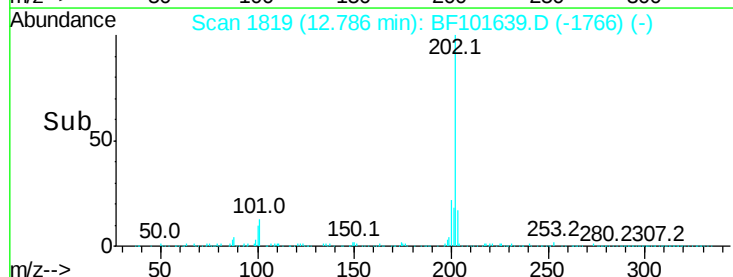
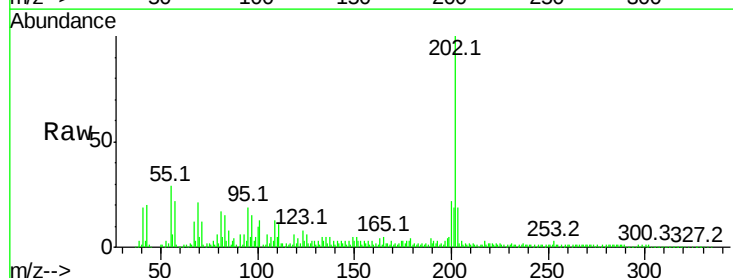
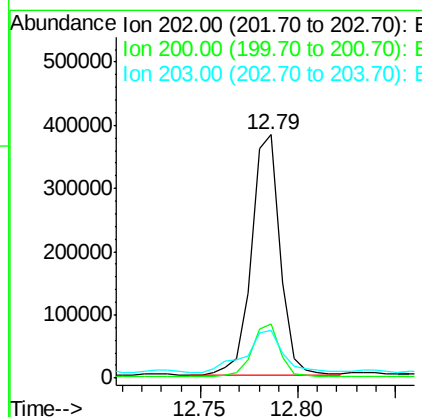
RT: 12.79 min Scan# 1819

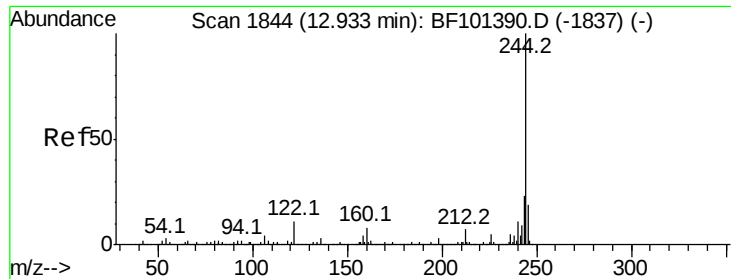
Delta R.T. 0.01 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 22.1  | 17.4       | 26.2  |
| 203     | 19.4  | 14.3       | 21.5  |





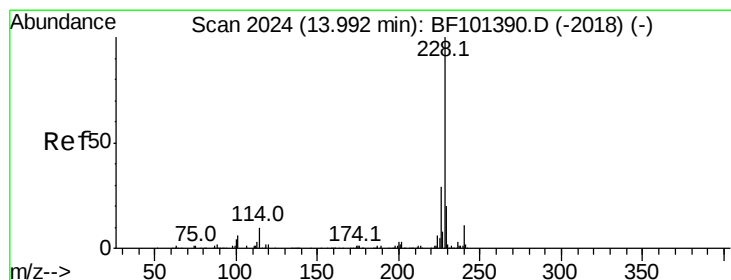
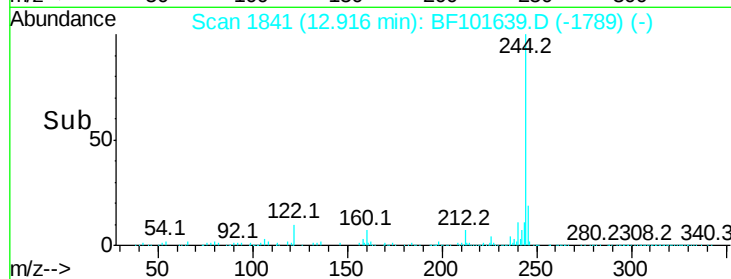
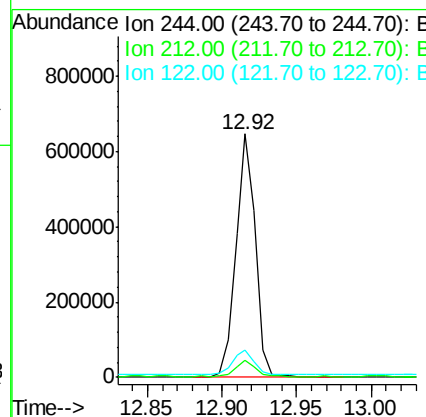
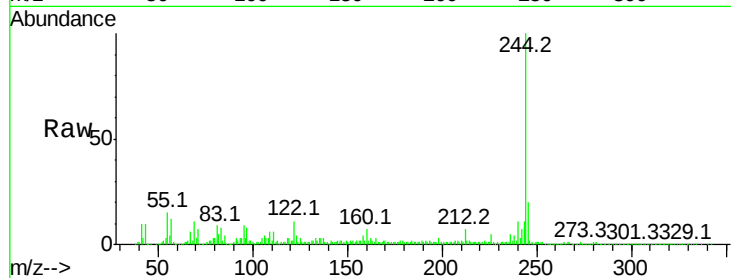
#78  
 Terphenyl-d14  
 Concen: 69.586 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. 0.01 min  
 Lab File: BF101639.D  
 Acq: 22 Dec 2017 7:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-EW-3-4-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.4   | 8.0   |
| 122     | 11.1  | 11.0  | 16.4  |

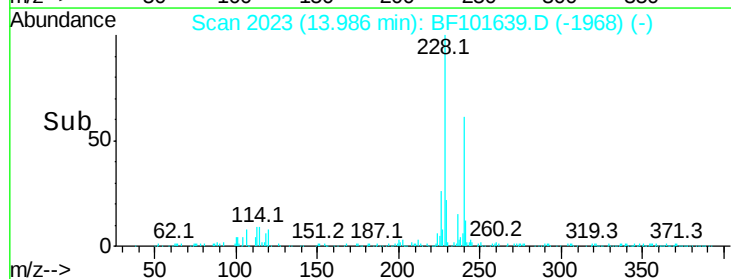
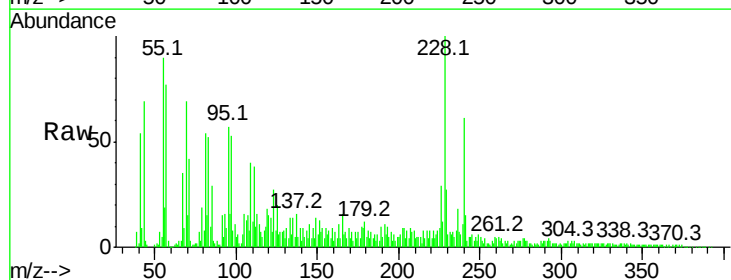
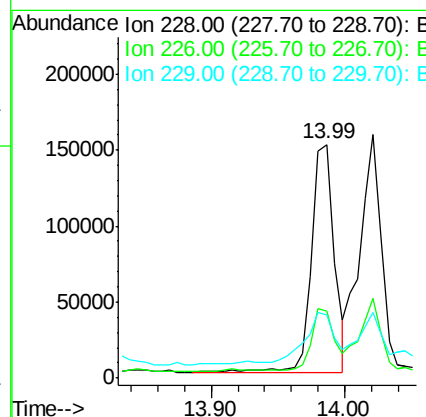
Manual Integrations  
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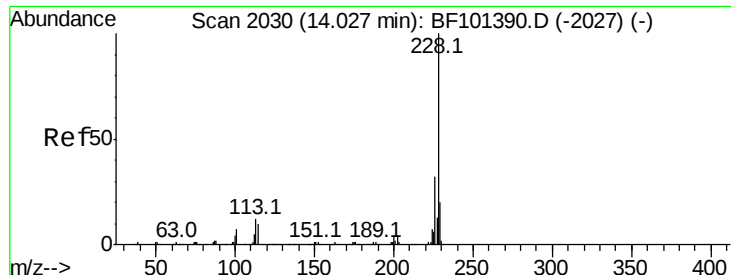
Sohil  
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#80  
 Benzo(a)anthracene  
 Concen: 13.127 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. 0.02 min  
 Lab File: BF101639.D  
 Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 22.6  | 33.8  |
| 229     | 26.9  | 15.8  | 23.6  |





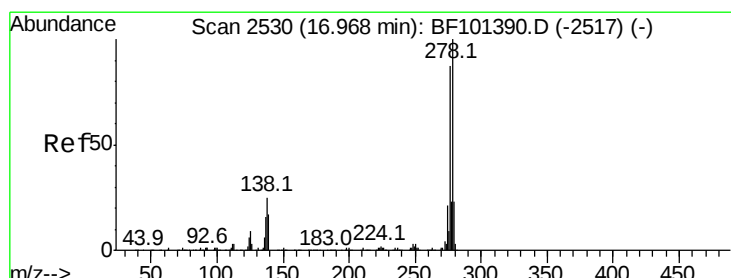
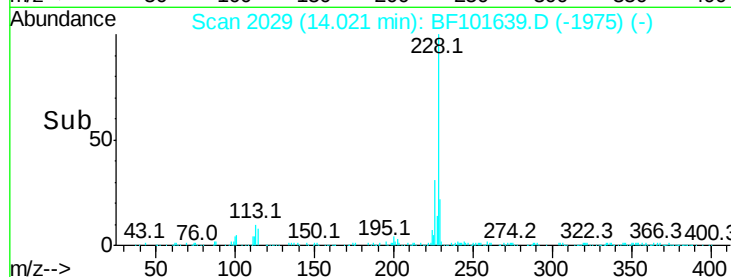
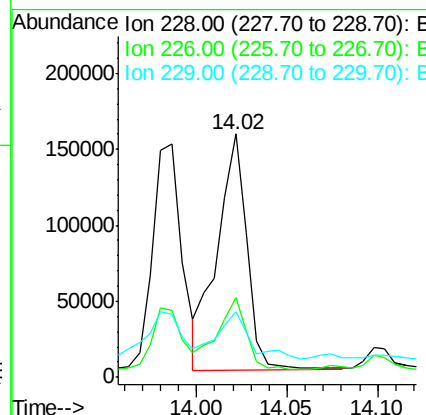
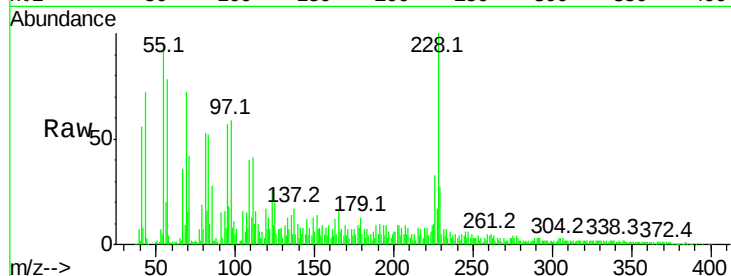
#82  
Chrysene  
Concen: 14.115 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. 0.02 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 178326 |       |       |
| 226     | 32.7  | 25.0   | 37.6  |       |
| 229     | 27.1  | 16.2   | 24.4  |       |

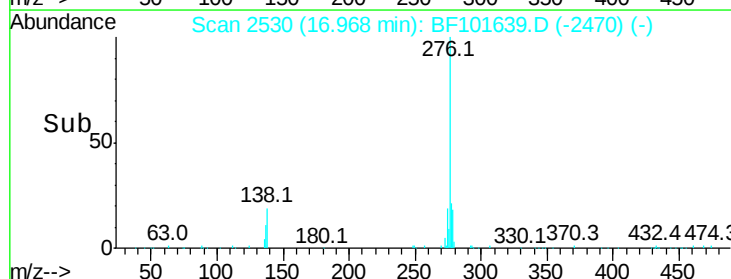
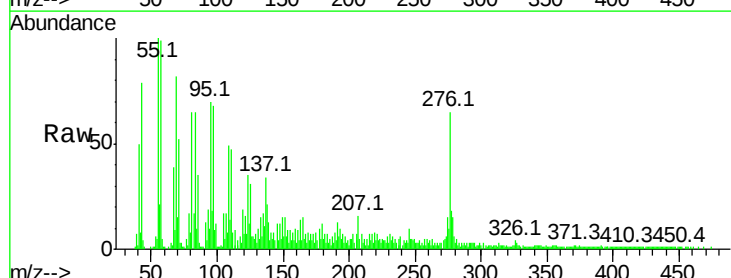
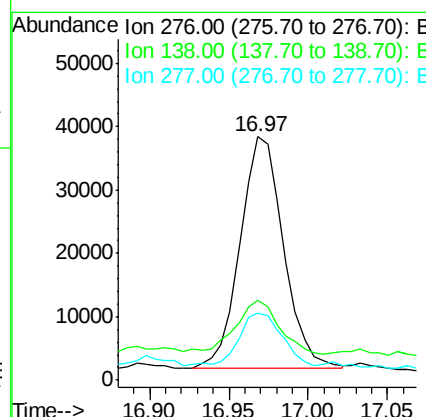
Manual Integrations  
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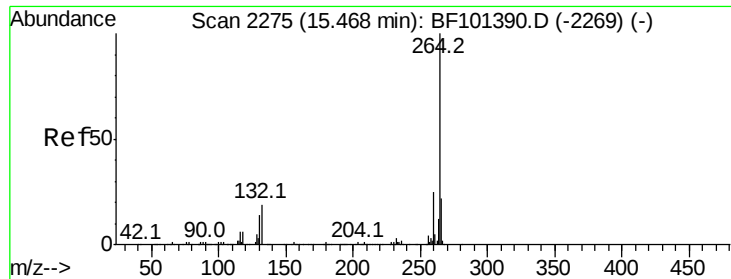
Sohil  
12/22/2017 12:42:32 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 6.200 ng  
RT: 16.97 min Scan# 2530  
Delta R.T. 0.05 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 276     | 100   | 69752 |       |       |
| 138     | 23.1  | 25.0  | 37.6  |       |
| 277     | 22.4  | 20.1  | 30.1  |       |





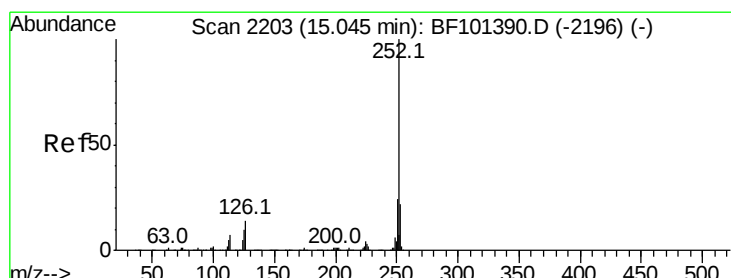
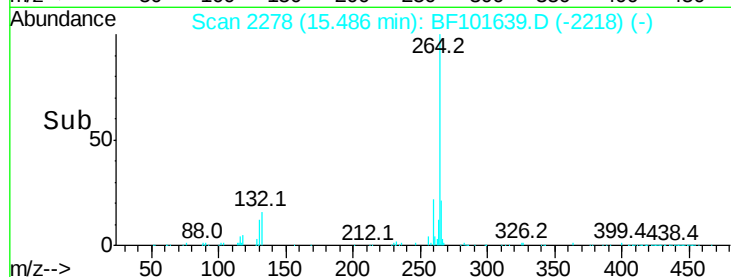
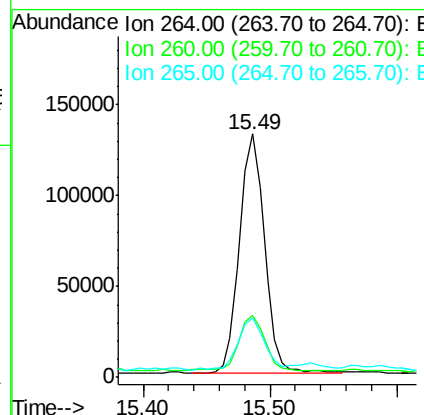
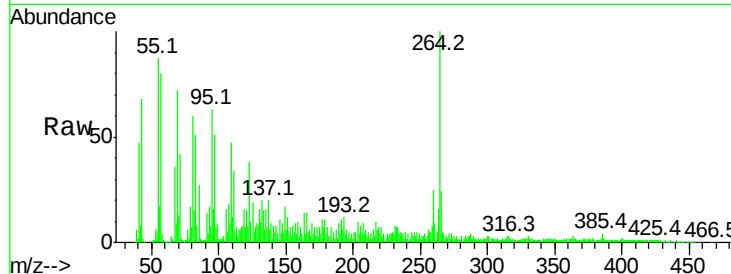
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.05 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 25.5  | 19.2 | 28.8  |       |
| 265     | 24.3  | 17.5 | 26.3  |       |

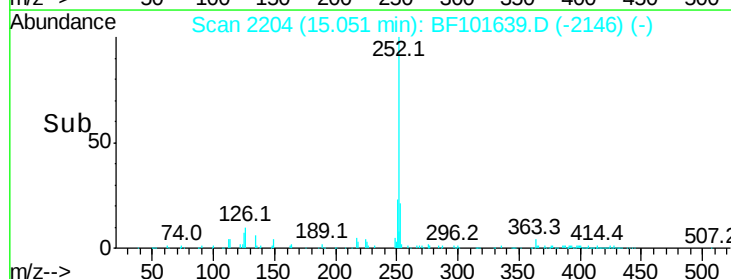
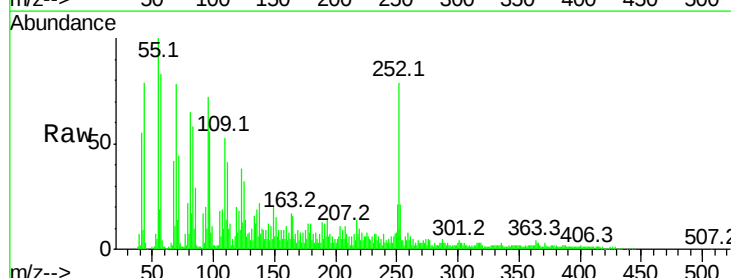
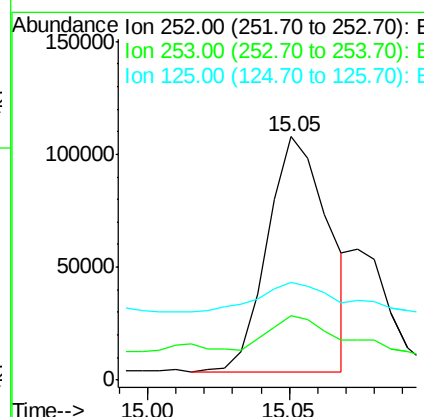
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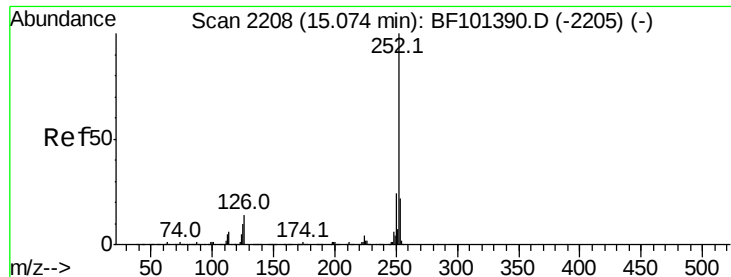
Sohil  
12/22/2017 12:42:32 PM



#87  
Benzo(b)fluoranthene  
Concen: 14.392 ng m  
RT: 15.05 min Scan# 2204  
Delta R.T. 0.04 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   |      |       |       |
| 253     | 26.7  | 17.0 | 25.6# |       |
| 125     | 40.3  | 9.0  | 13.6# |       |





#88

Benzo(k)fluoranthene

Concen: 4.842 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.04 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

Instrument :

BNA\_F

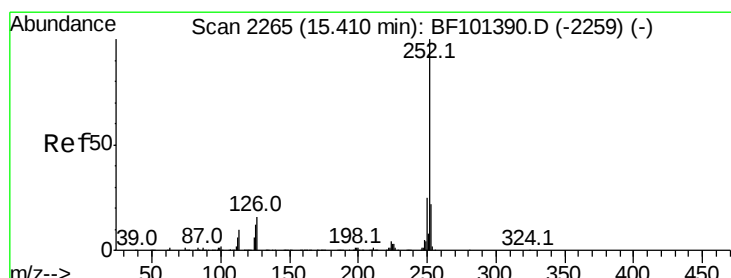
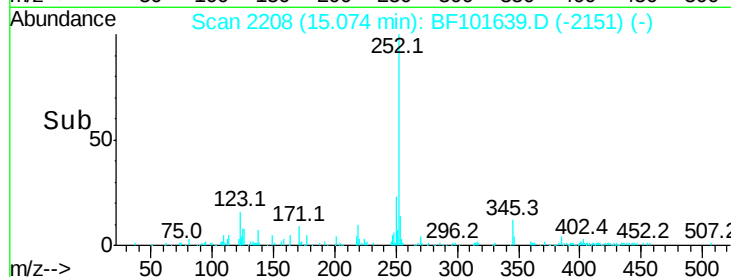
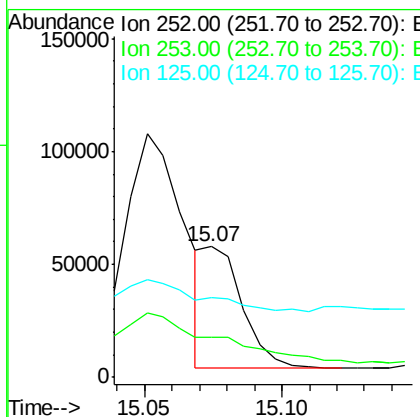
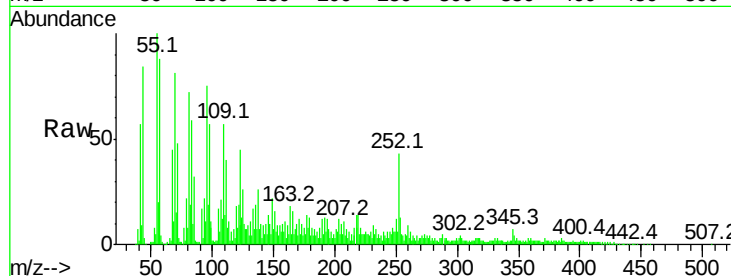
ClientSampleId :

DB-EW-3-4-10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 51476 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 30.3  | 17.9  | 26.9# |
| 125       | 60.8  | 10.2  | 15.2# |

Manual Integrations  
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#89

Benzo(a)pyrene

Concen: 10.987 ng

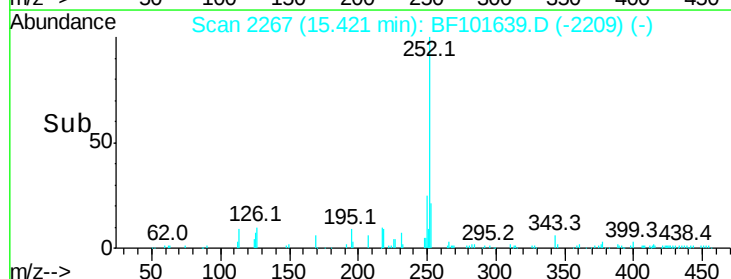
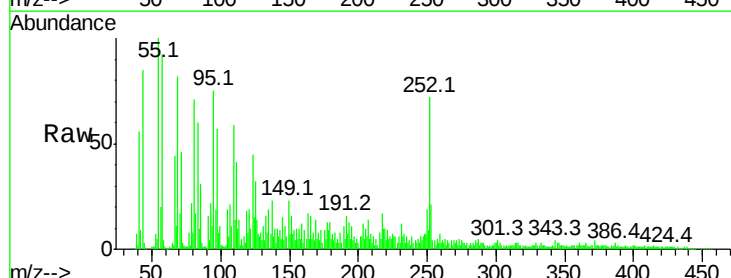
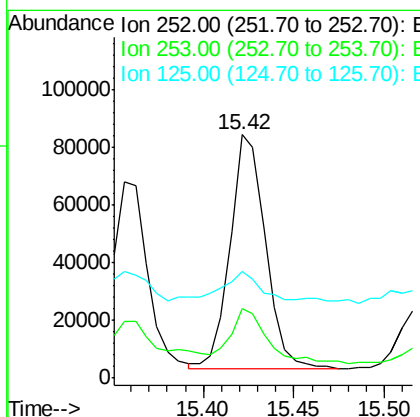
RT: 15.42 min Scan# 2267

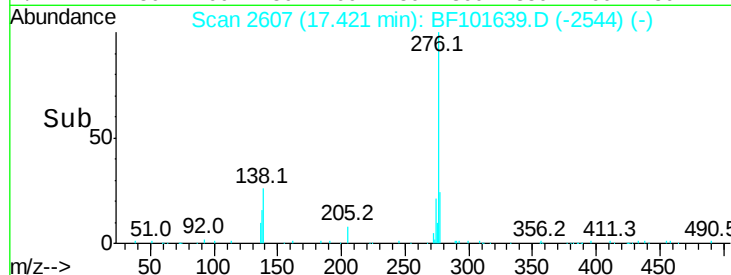
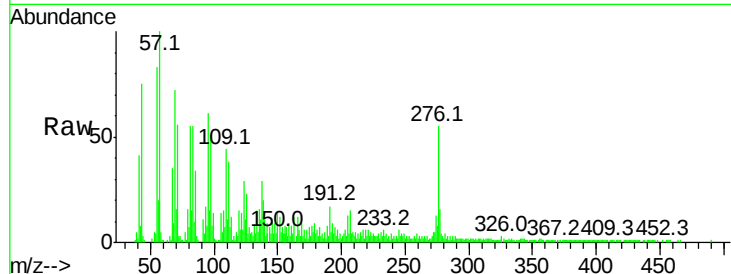
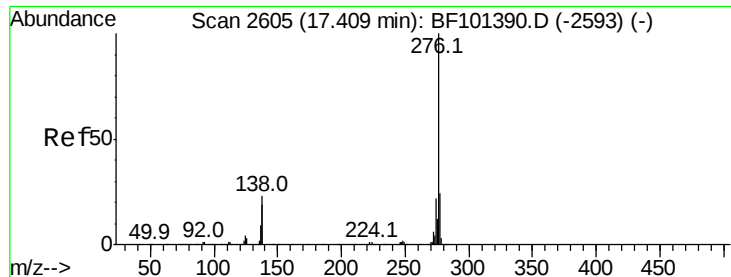
Delta R.T. 0.04 min

Lab File: BF101639.D

Acq: 22 Dec 2017 7:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 110750 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 28.7  | 17.1  | 25.7#  |
| 125       | 43.7  | 9.8   | 14.6#  |





#91  
Benzo(a,h,i)perylene  
Concen: 8.130 ng  
RT: 17.42 min Scan# 2607  
Delta R.T. 0.07 min  
Lab File: BF101639.D  
Acq: 22 Dec 2017 7:08

Instrument :  
BNA\_F  
ClientSampleId :  
DB-EW-3-4-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 29.0  | 17.9  | 26.9# |
| 138     | 36.4  | 21.8  | 32.8# |

Manual Integrations  
APPROVED

Sohil  
12/22/2017 12:42:32 PM

