

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\  
 Data File : BF102275.D  
 Acq On : 20 Jan 2018 19:29  
 Operator : SJ/JU  
 Sample : J1210-10  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT-2898

Manual Integrations  
 APPROVED

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 1/22/2018 5:26:03 PM

Quant Time: Jan 22 03:32:54 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 19 13:31:35 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 153774   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 619918   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.76  | 164  | 255425   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.24 | 188  | 377081   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 292694   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.30 | 264  | 223730   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1060778  | 97.41  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 1274167  | 98.07  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 775185   | 73.48  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 223967   | 100.48 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1309643  | 80.10  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 913946   | 64.83  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.37  | 94   | 70026    | 4.77   | ng    | 98       |
| 49) Dimethylphthalate       | 9.47  | 163  | 188020   | 9.18   | ng    | 99       |
| 70) Phenanthrene            | 11.26 | 178  | 62425    | 2.83   | ng    | 98       |
| 74) Fluoranthene            | 12.44 | 202  | 80485    | 3.71   | ng    | 99       |
| 77) Pyrene                  | 12.67 | 202  | 74320    | 2.87   | ng    | 97       |
| 79) Butylbenzylphthalate    | 13.30 | 149  | 31501    | 2.65   | ng    | 98       |
| 80) Benzo(a)anthracene      | 13.86 | 228  | 39451    | 2.11   | ng    | 95       |
| 82) Chrysene                | 13.90 | 228  | 47691    | 2.45   | ng    | 96       |
| 87) Benzo(b)fluoranthene    | 14.89 | 252  | 55048m   | 3.77   | ng    |          |
| 89) Benzo(a)pyrene          | 15.23 | 252  | 29058    | 2.21   | ng    | # 88     |

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

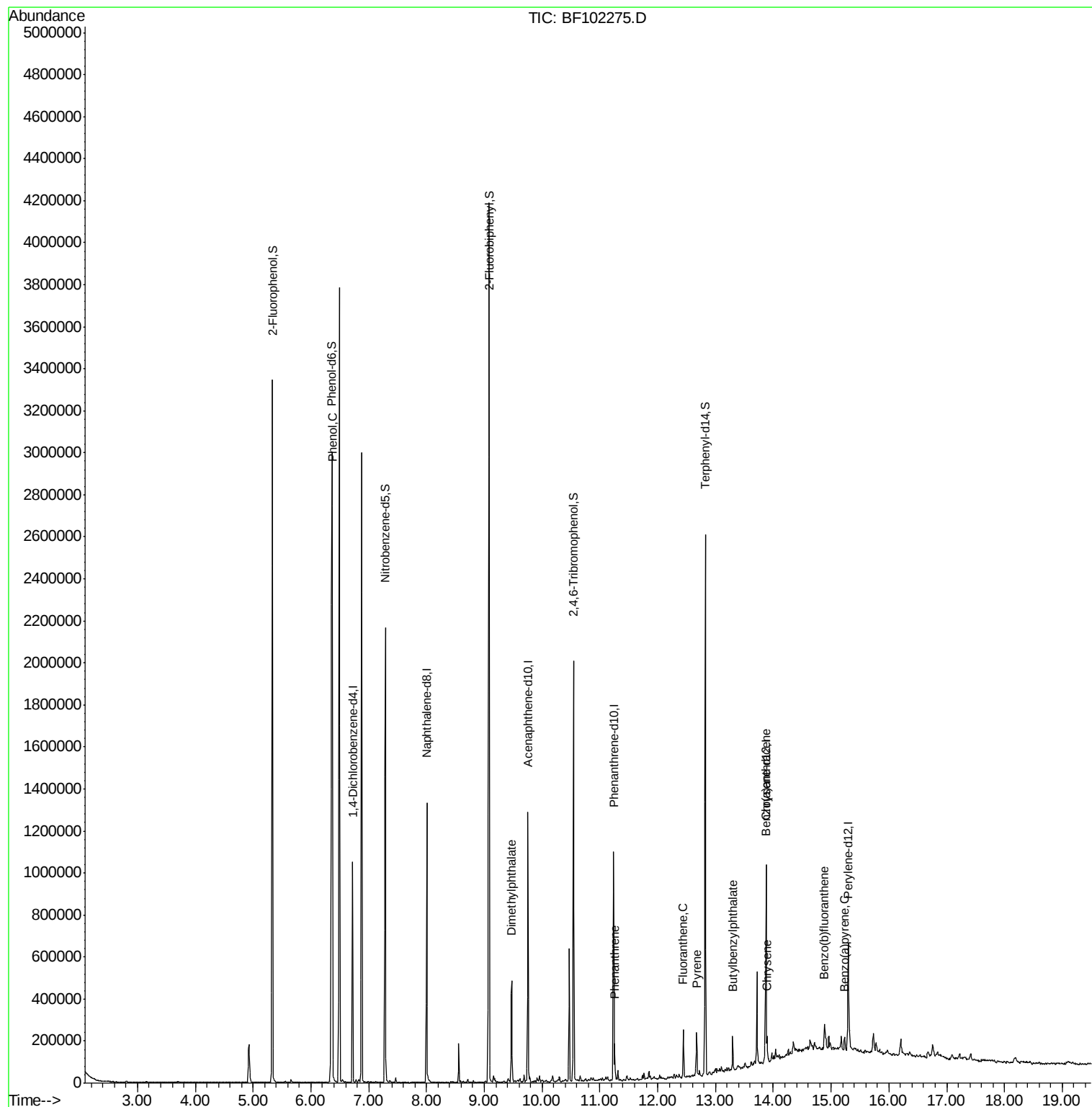
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\  
Data File : BF102275.D  
Acq On : 20 Jan 2018 19:29  
Operator : SJ/JU  
Sample : J1210-10  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

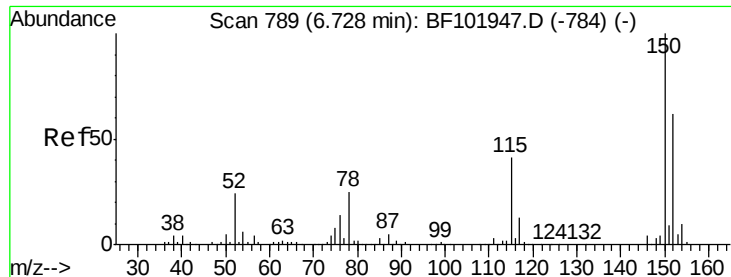
Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

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Quant Time: Jan 22 03:32:54 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 19 13:31:35 2018  
Response via : Initial Calibration





#1

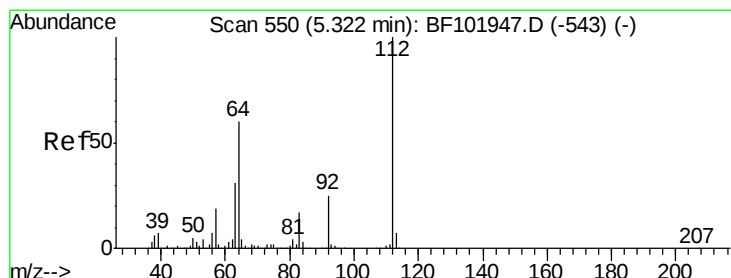
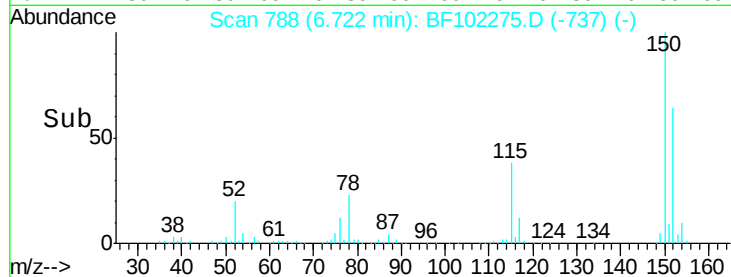
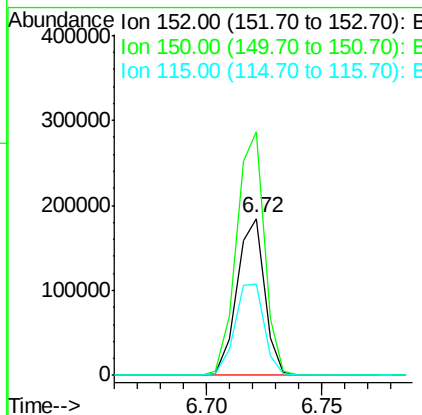
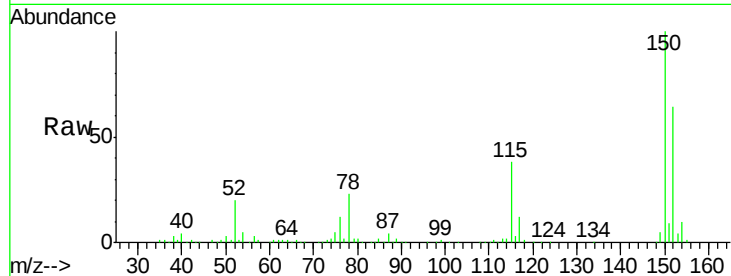
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 124.6 | 186.8 |
| 115     | 58.3  | 50.1  | 75.1  |

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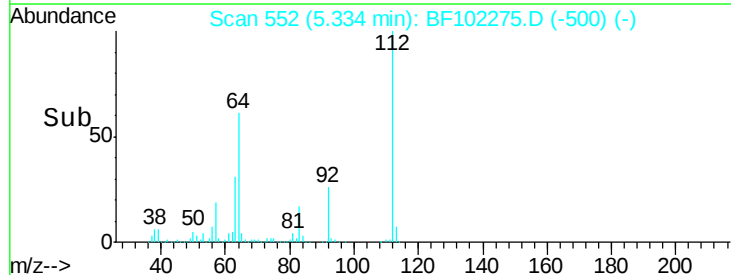
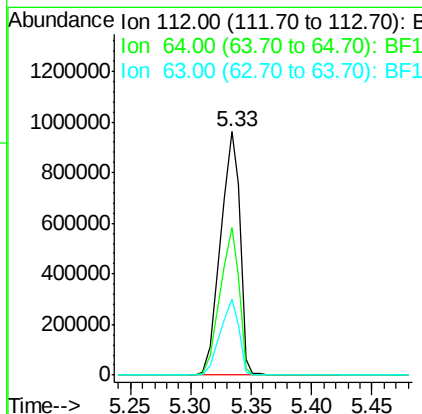
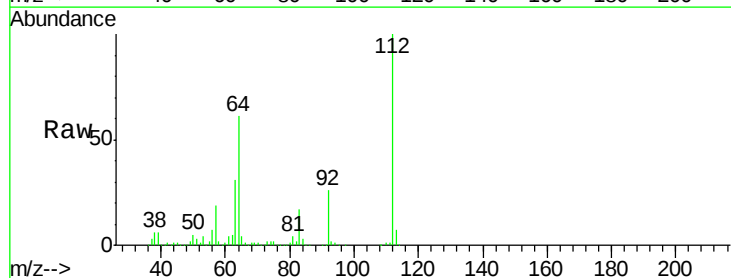
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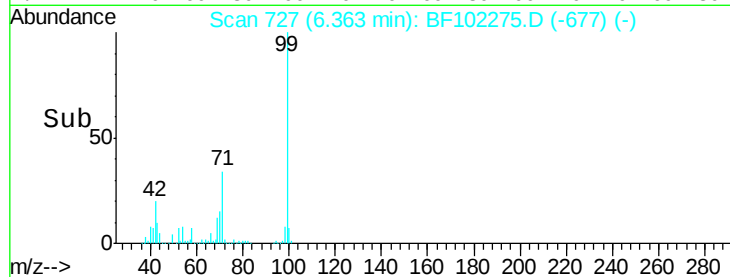
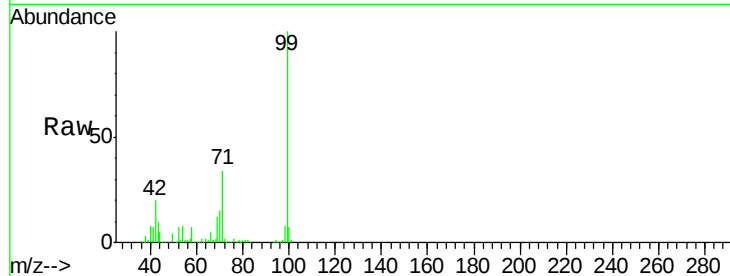
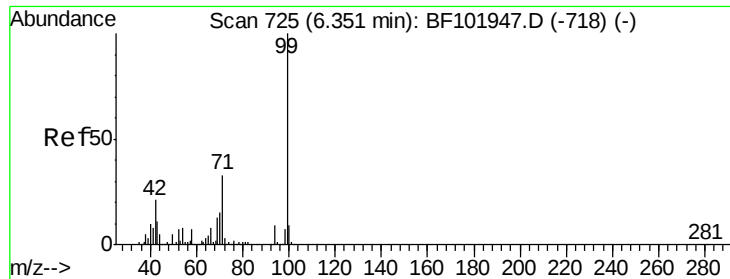


#5

2-Fluorophenol  
Concen: 97.41 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.8  | 47.9  | 71.9  |
| 63      | 30.9  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 98.07 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1274167 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 20.1  | 14.5  | 21.7    |
| 71       | 34.0  | 25.4  | 38.0    |

Instrument :

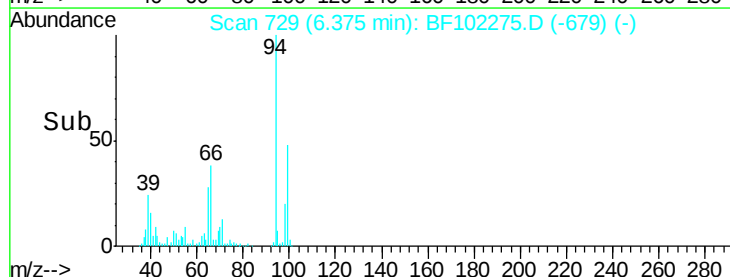
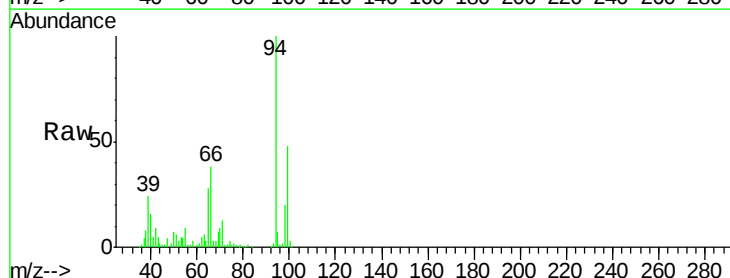
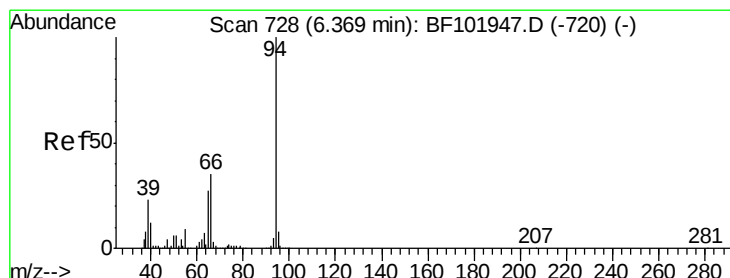
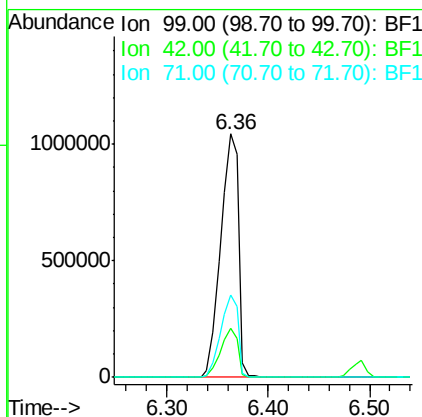
BNA\_F

ClientSampleId :

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#10

Phenol

Concen: 4.77 ng

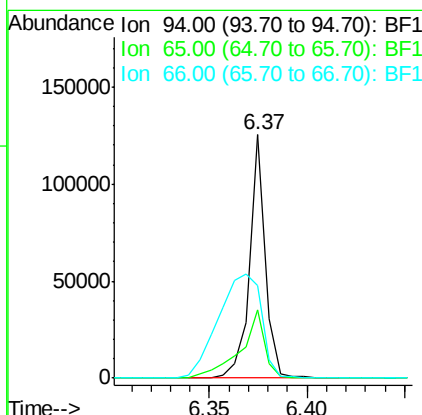
RT: 6.37 min Scan# 729

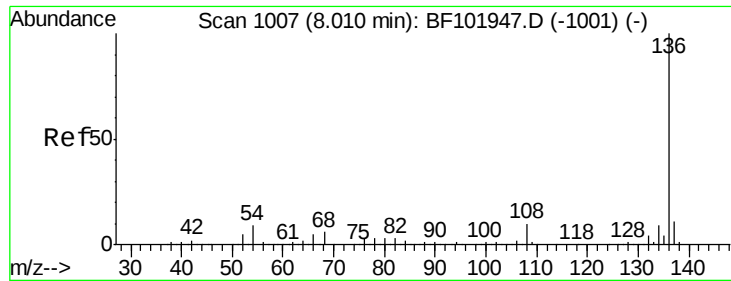
Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 70026 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 28.1  | 7.9   | 47.9  |
| 66       | 38.2  | 16.2  | 56.2  |





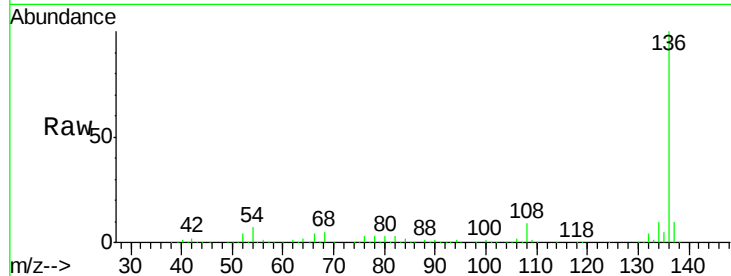
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampled :  
RT-2898

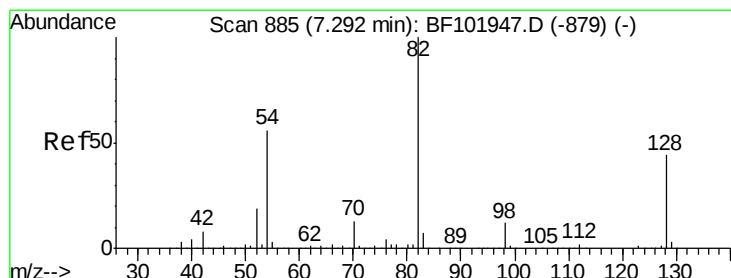
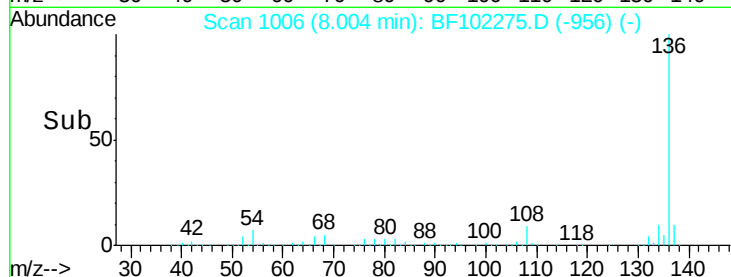
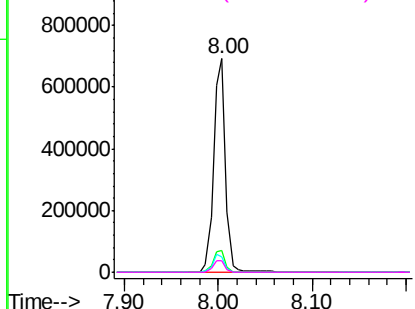
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 619918 |       |       |
| 137     | 10.5 |       | 8.9    | 13.3  |       |
| 54      | 7.3  |       | 6.6    | 9.8   |       |
| 68      | 5.3  |       | 5.0    | 7.4   |       |

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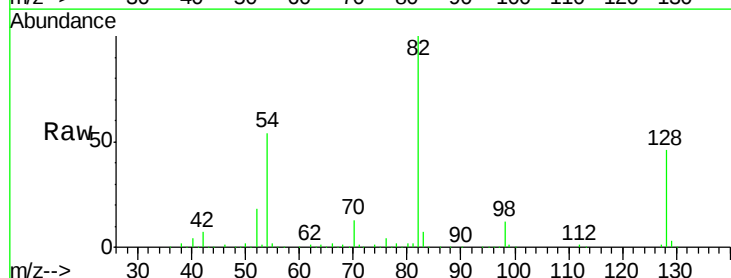


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

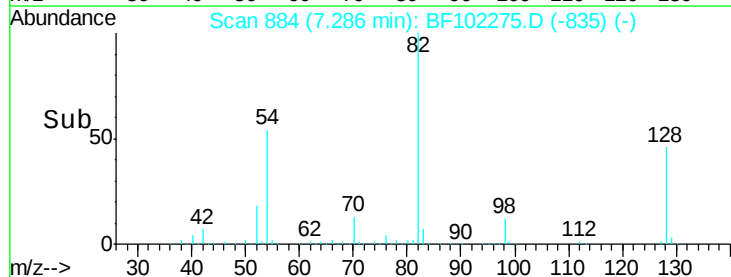
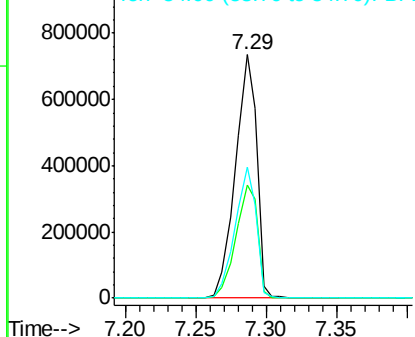


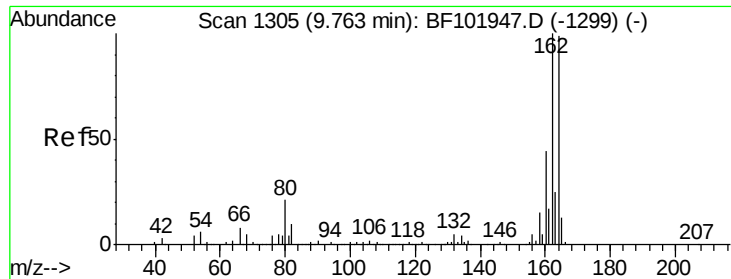
#23  
Nitrobenzene-d5  
Concen: 73.48 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 775185 |       |       |
| 128     | 46.3 |       | 36.1   | 54.1  |       |
| 54      | 53.8 |       | 41.4   | 62.2  |       |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





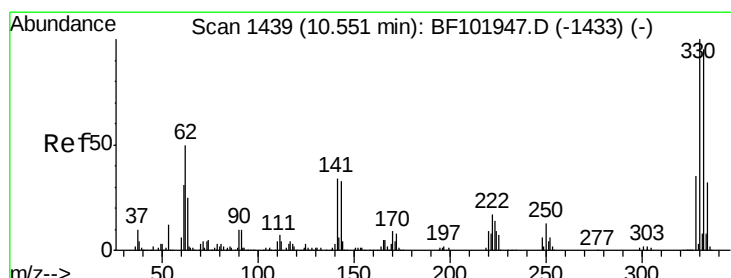
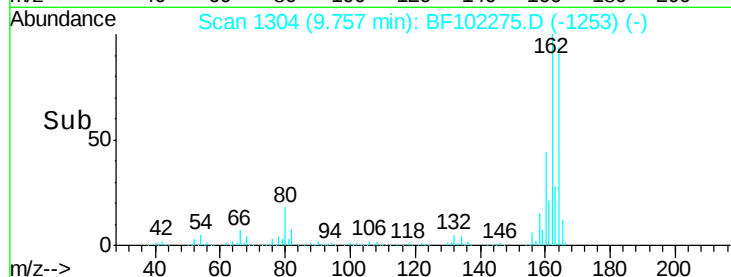
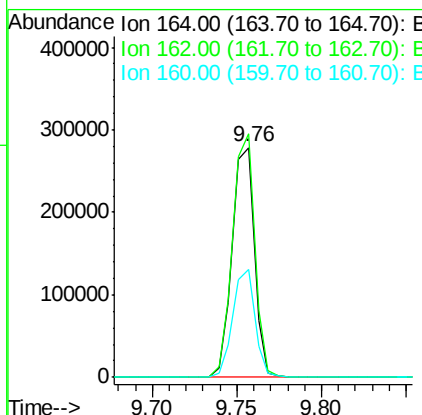
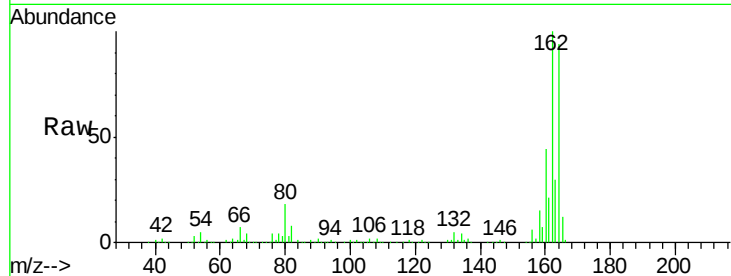
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 255425 |       |       |
| 162     | 105.9 | 86.1   | 129.1 |       |
| 160     | 47.1  | 38.3   | 57.5  |       |

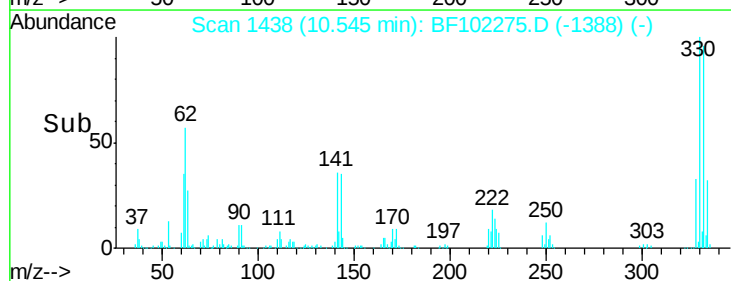
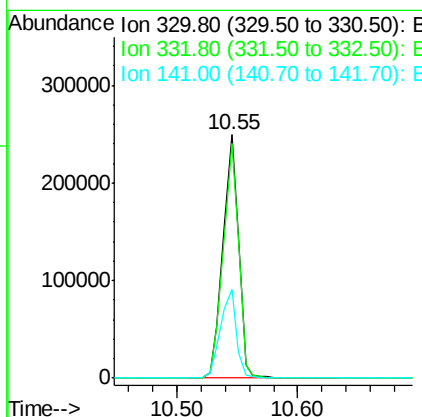
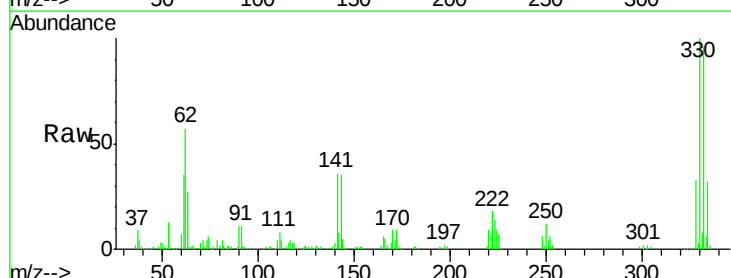
Manual Integrations  
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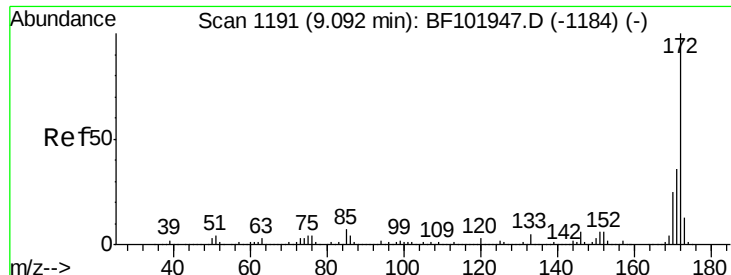
Sohil  
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#41  
2,4,6-Tribromophenol  
Concen: 100.48 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 223967 |       |       |
| 332     | 95.5  | 77.0   | 115.6 |       |
| 141     | 36.8  | 29.9   | 44.9  |       |





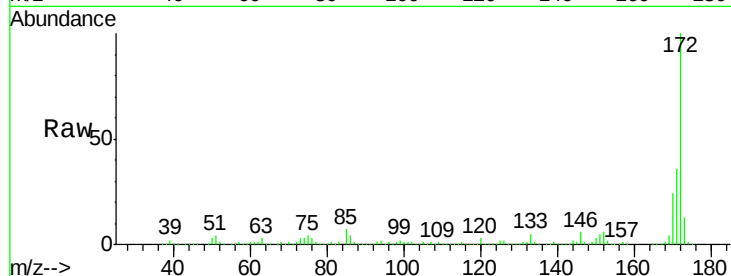
#44  
2-Fluorobiphenyl  
Concen: 80.10 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |

Manual Integrations  
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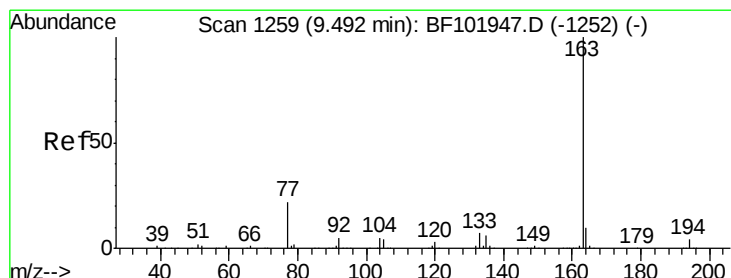
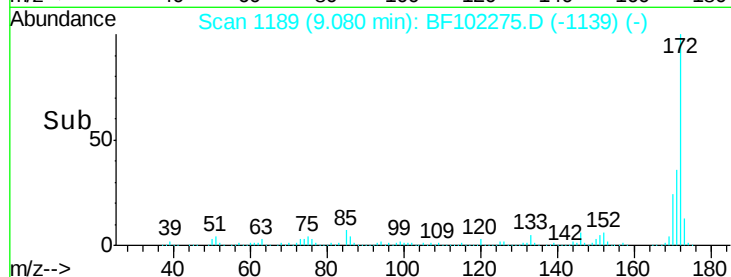
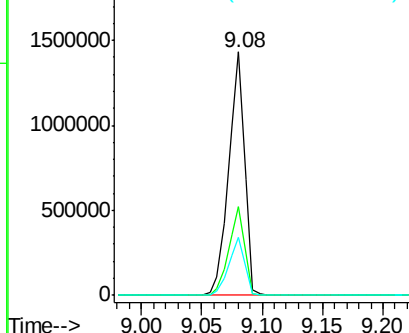


Abundance

Ion 172.00 (171.70 to 172.70): E

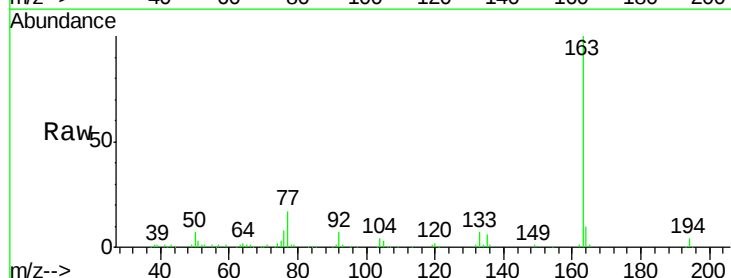
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49  
Dimethylphthalate  
Concen: 9.18 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.02 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 2.7   | 4.1   |
| 164     | 9.6   | 8.2   | 12.2  |

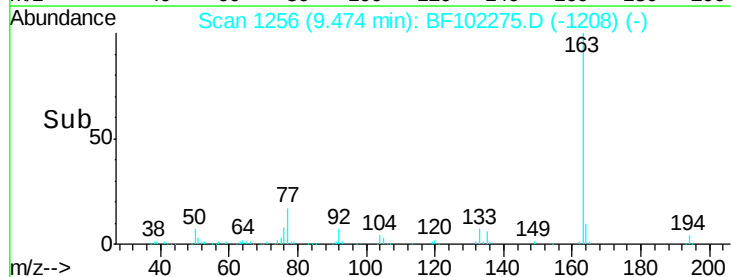
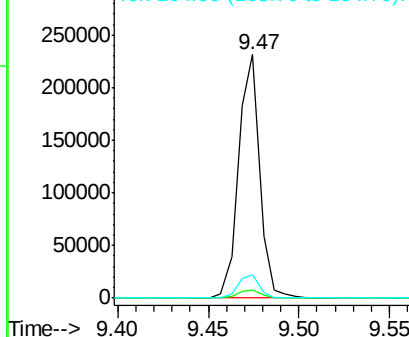


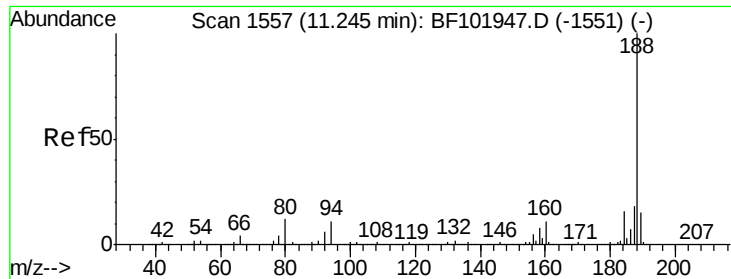
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





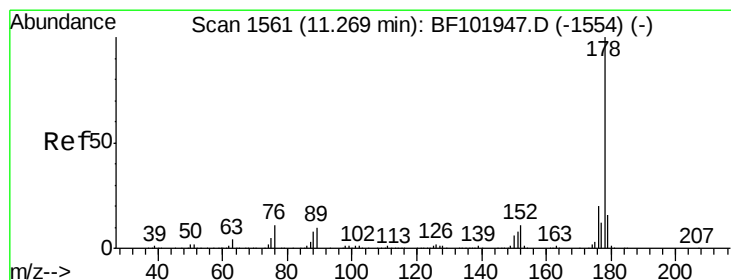
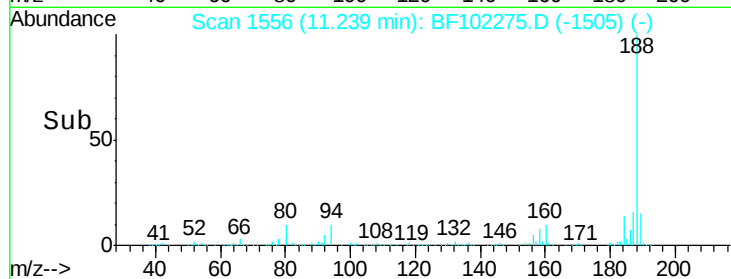
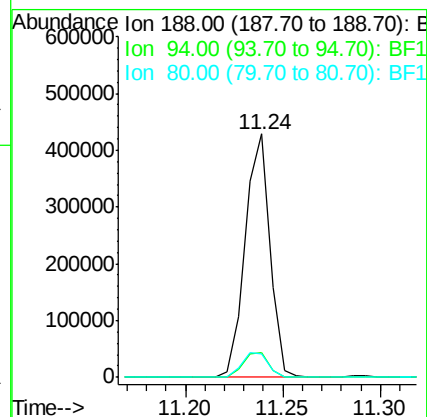
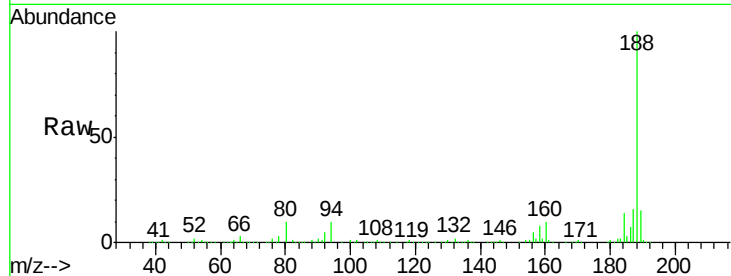
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.00 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampled :  
RT-2898

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 377081 |       |       |
| 94      | 10.3  |        | 8.5   | 12.7  |
| 80      | 9.8   |        | 9.2   | 13.8  |

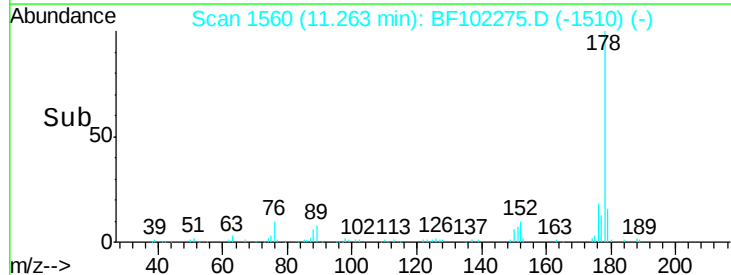
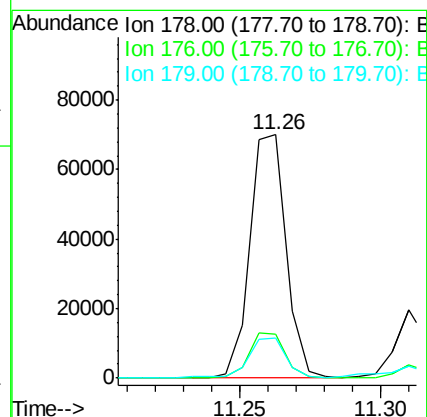
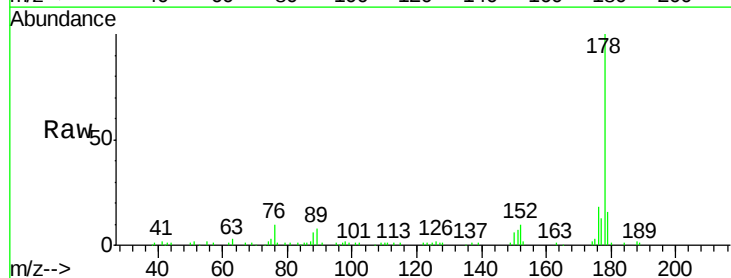
Manual Integrations  
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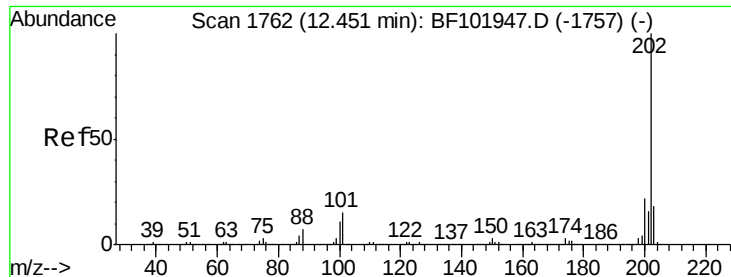
Sohil  
1/22/2018 5:26:03 PM



#70  
Phenanthrene  
Concen: 2.83 ng  
RT: 11.26 min Scan# 1560  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 62425 |       |       |
| 176     | 18.1  |       | 15.8  | 23.8  |
| 179     | 16.2  |       | 13.0  | 19.6  |





#74

Fluoranthene

Concen: 3.71 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA\_F

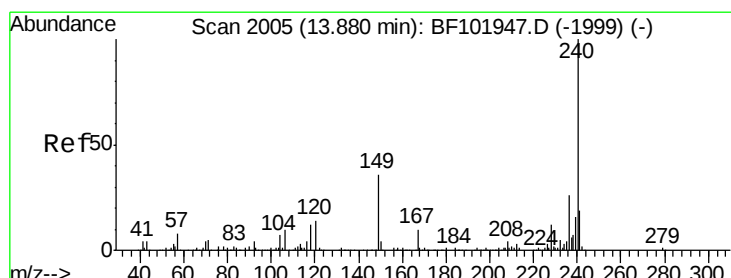
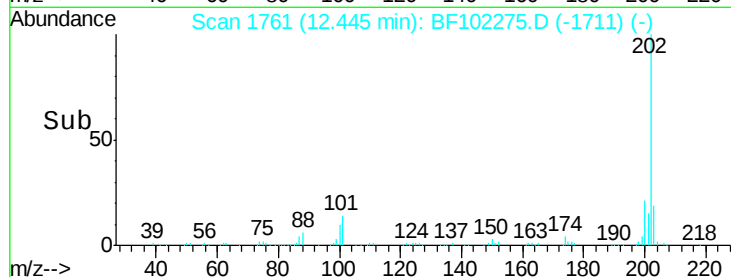
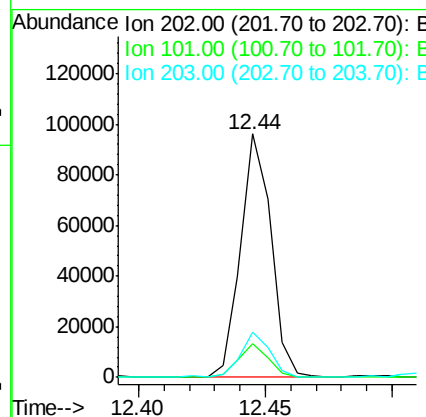
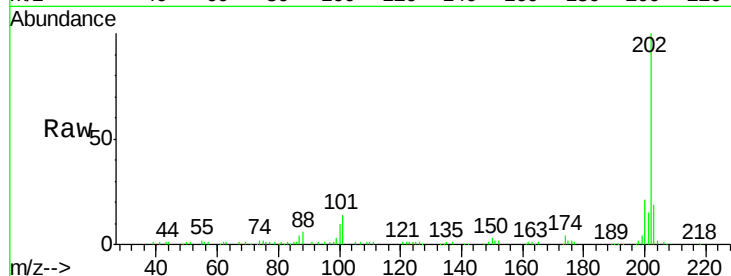
ClientSampleId :

RT-2898

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 80485 |       |       |
| 101     | 14.0  |       | 0.0   | 34.1  |
| 203     | 18.8  |       | 0.0   | 38.1  |

Manual Integrations  
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#75

Chrysene-d12

Concen: 20.00 ng

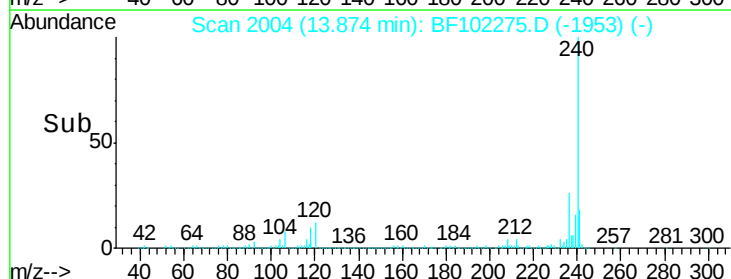
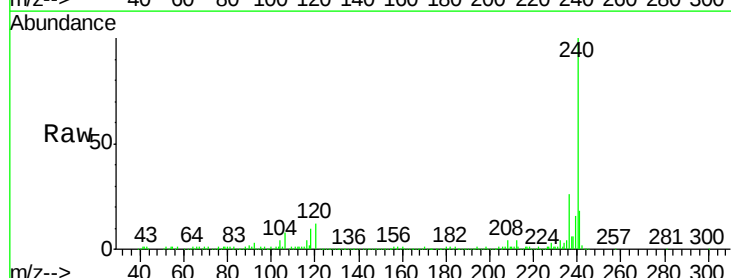
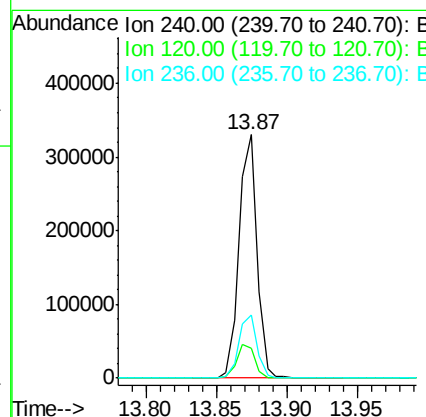
RT: 13.87 min Scan# 2004

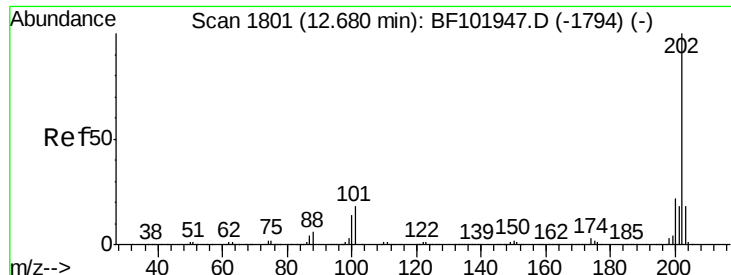
Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 292694 |       |       |
| 120     | 12.4  |        | 9.5   | 14.3  |
| 236     | 25.7  |        | 20.7  | 31.1  |





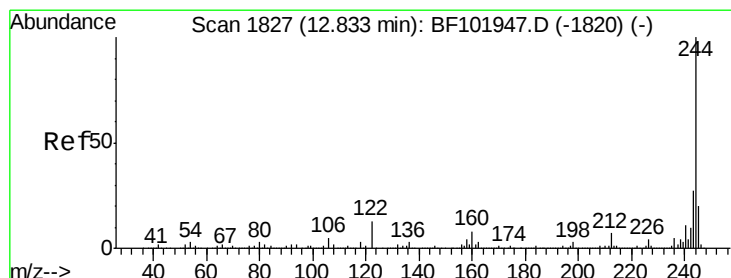
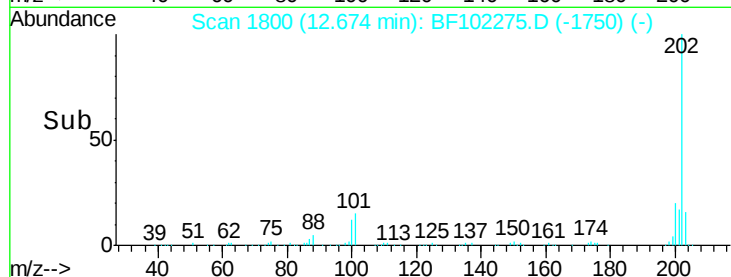
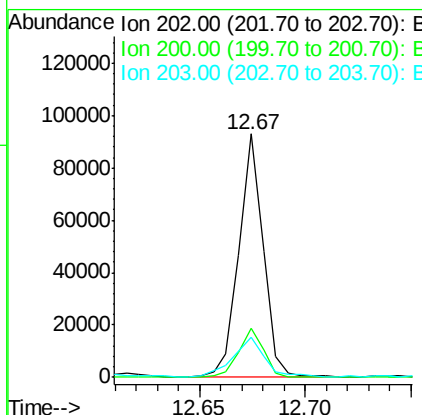
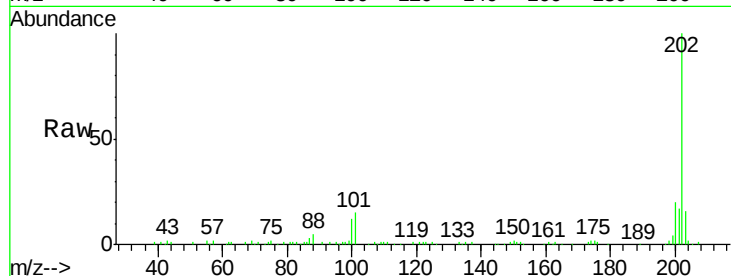
#77  
Pvrene  
Concen: 2.87 ng  
RT: 12.67 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 17.4  | 26.2  |
| 203     | 16.5  | 14.3  | 21.5  |

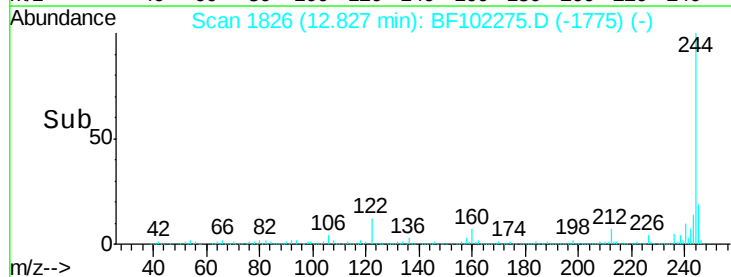
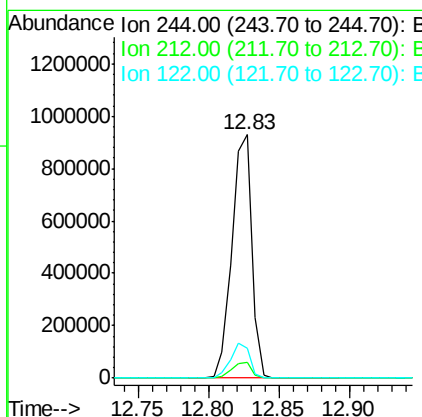
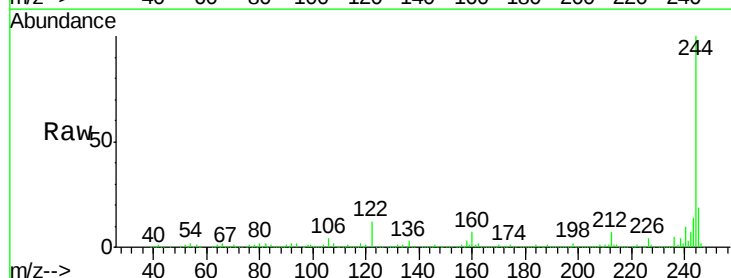
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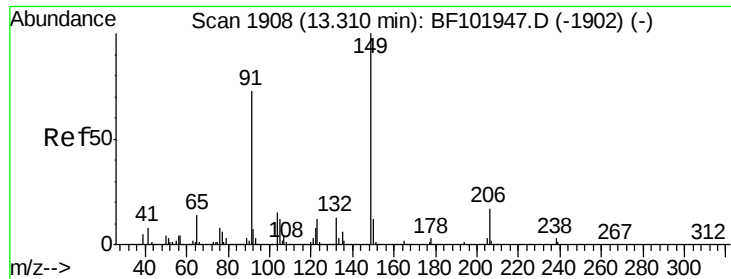
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1/22/2018 5:26:03 PM



#78  
Terphenyl-d14  
Concen: 64.83 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. 0.00 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.6   | 5.4   | 8.0   |
| 122     | 12.2  | 11.0  | 16.4  |





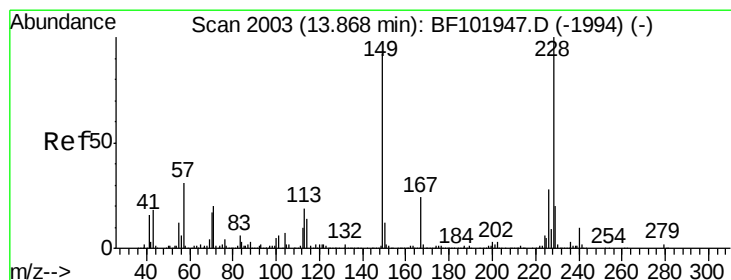
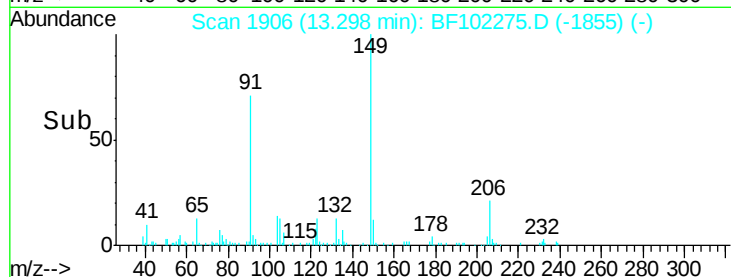
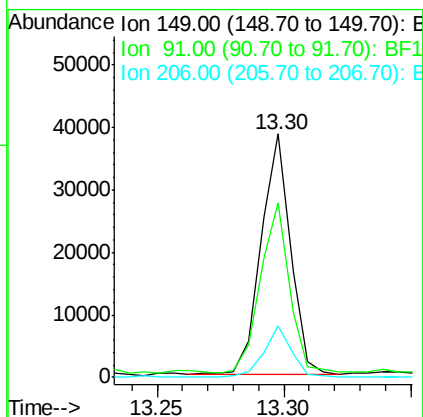
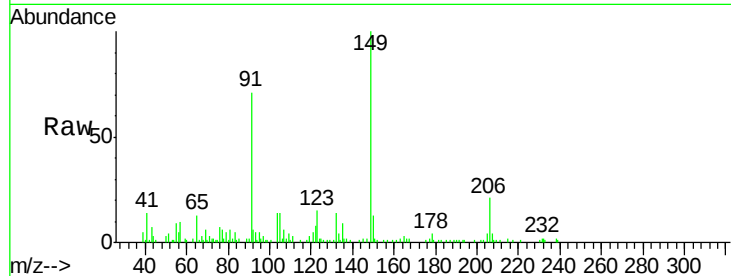
#79  
Butylbenzylphthalate  
Concen: 2.65 ng  
RT: 13.30 min Scan# 1906  
Delta R.T. 0.00 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampled :  
RT-2898

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 71.5  | 56.8  | 85.2  |
| 206     | 21.1  | 14.1  | 21.1  |

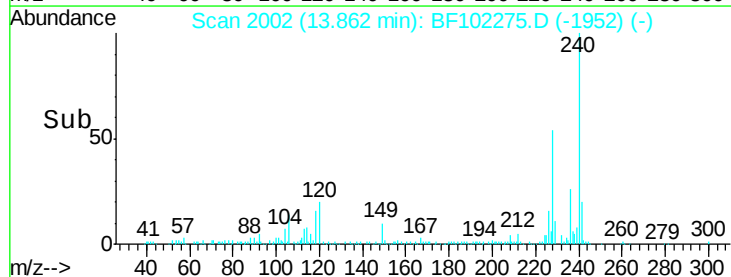
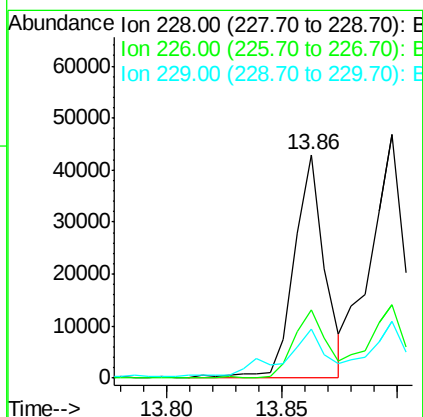
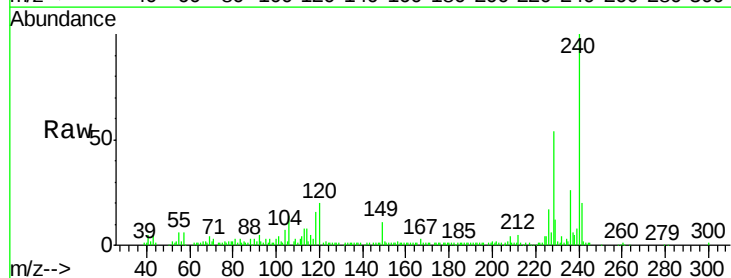
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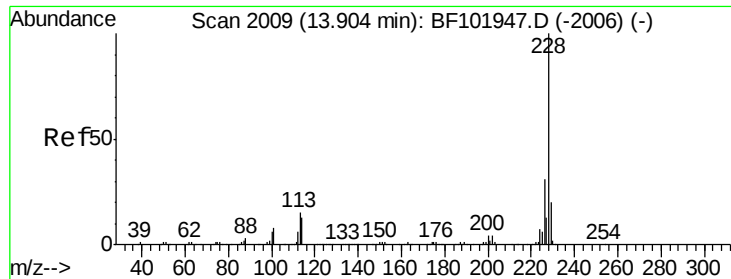
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1/22/2018 5:26:03 PM



#80  
Benzo(a)anthracene  
Concen: 2.11 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 22.6  | 33.8  |
| 229     | 21.9  | 15.8  | 23.6  |





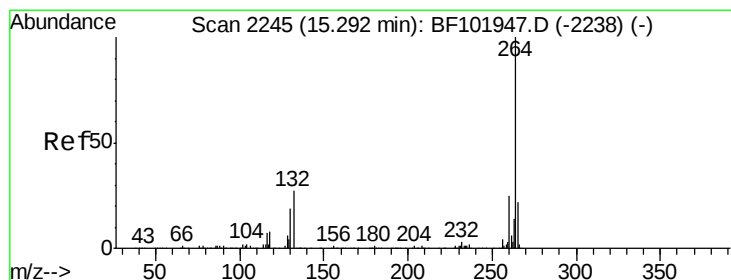
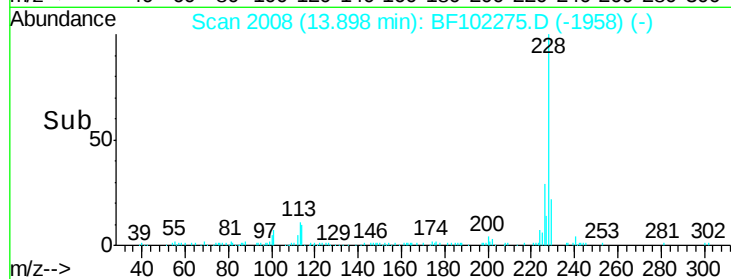
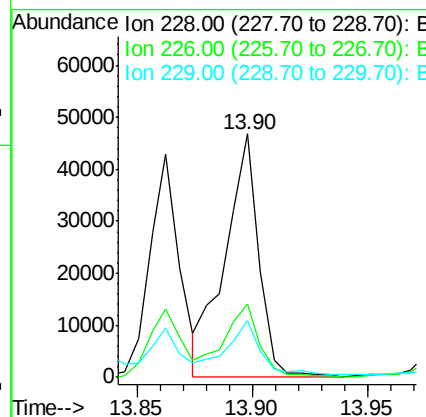
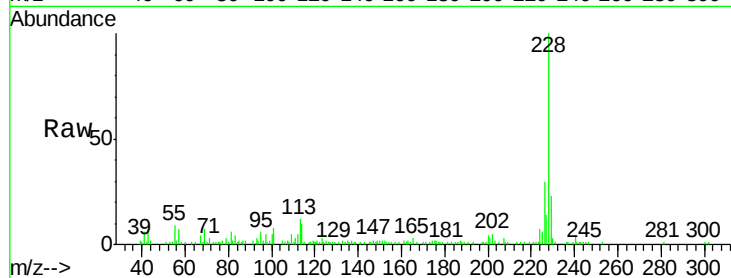
#82  
Chrysene  
Concen: 2.45 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RT-2898

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 25.0  | 37.6  |
| 229     | 23.5  | 16.2  | 24.4  |

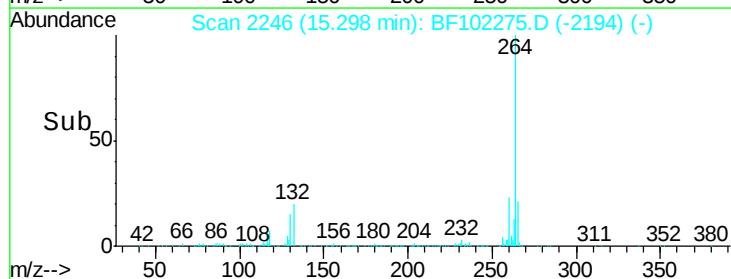
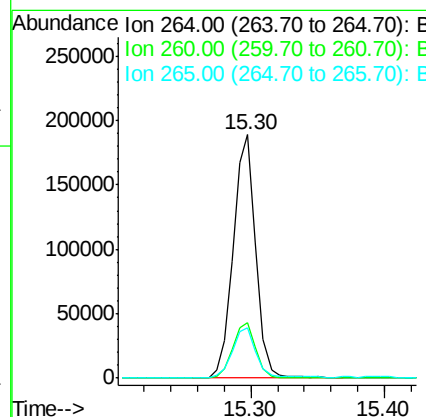
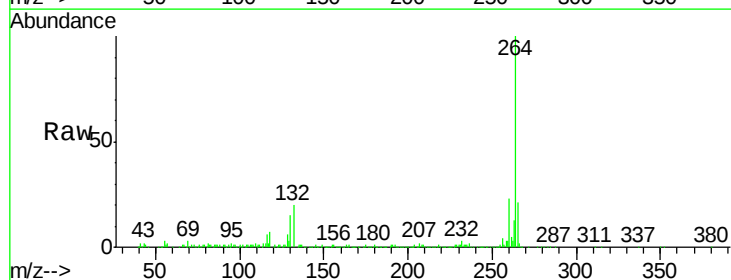
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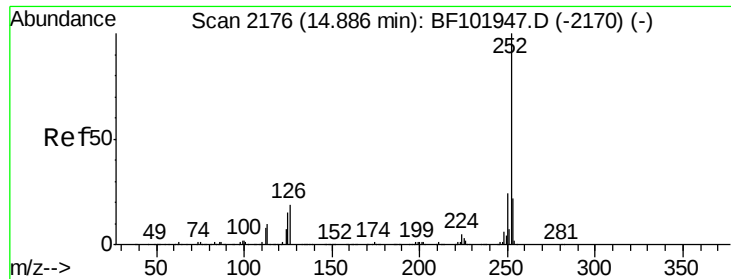
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 2246  
Delta R.T. 0.01 min  
Lab File: BF102275.D  
Acq: 20 Jan 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 20.9  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 3.77 ng/mL

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA\_F

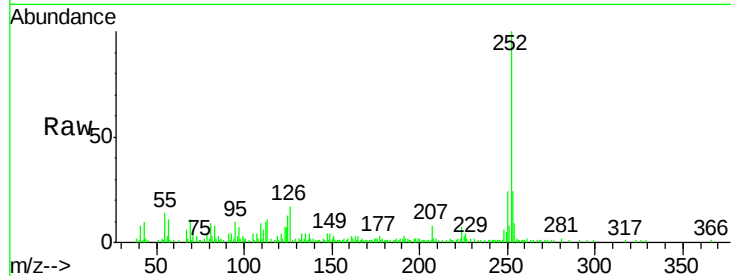
ClientSampleID :

RT-2898

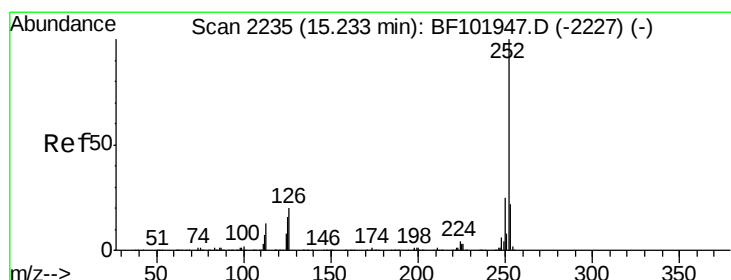
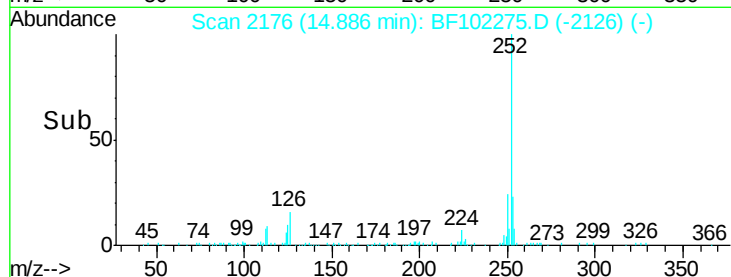
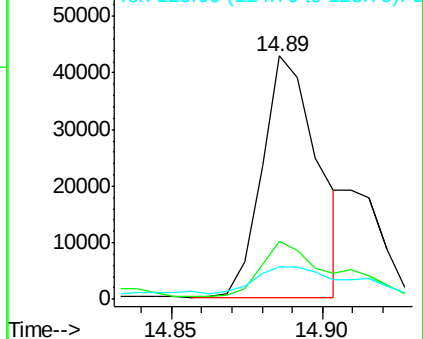
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 55048 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.7  | 17.0  | 25.6  |
| 125       | 13.5  | 9.0   | 13.6  |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.21 ng/mL

RT: 15.23 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 29058 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.3  | 17.1  | 25.7  |
| 125       | 19.1  | 9.8   | 14.6# |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

