

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\  
 Data File : BF102565.D  
 Acq On : 28 Jan 2018 18:49  
 Operator : SJ/JU  
 Sample : J1290-20  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-9.5-10.0

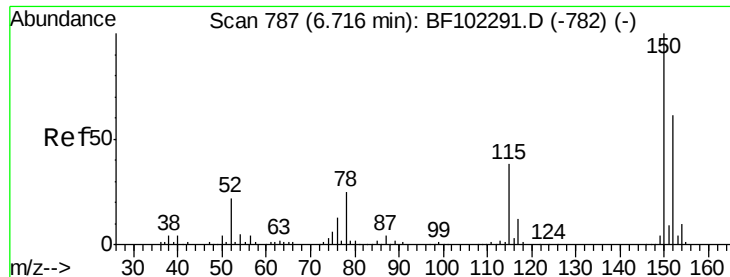
Manual Integrations  
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Quant Time: Jan 29 04:18:49 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 27 20:48:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 152990   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 630860   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.74  | 164  | 271053   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.23 | 188  | 435267   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 268428   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.30 | 264  | 282379   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1051191  | 104.18 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 1267740  | 104.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 781855   | 71.22  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 241874   | 90.06  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1241491  | 67.35  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 900301   | 75.61  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.37  | 94   | 67829    | 5.108  | ng    | 87       |
| 31) Naphthalene             | 8.02  | 128  | 85215    | 2.705  | ng    | 99       |
| 49) Dimethylphthalate       | 9.46  | 163  | 177245   | 7.911  | ng    | 99       |
| 51) Acenaphthene            | 9.78  | 154  | 57810    | 3.373  | ng    | 98       |
| 54) Dibenzofuran            | 9.95  | 168  | 55006    | 2.371  | ng    | # 92     |
| 57) Fluorene                | 10.29 | 166  | 83157    | 4.524  | ng    | 99       |
| 70) Phenanthrene            | 11.26 | 178  | 565735   | 22.305 | ng    | 99       |
| 71) Anthracene              | 11.31 | 178  | 115638   | 4.467  | ng    | 98       |
| 72) Carbazole               | 11.47 | 167  | 72332    | 2.864  | ng    | 98       |
| 74) Fluoranthene            | 12.45 | 202  | 618426   | 23.910 | ng    | 99       |
| 77) Pyrene                  | 12.68 | 202  | 550566   | 26.528 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.86 | 228  | 265788   | 16.083 | ng    | 99       |
| 82) Chrysene                | 13.90 | 228  | 248929   | 14.833 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.70 | 276  | 112903   | 8.146  | ng    | 99       |
| 87) Benzo(b)fluoranthene    | 14.89 | 252  | 296109m  | 16.179 | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.92 | 252  | 106946m  | 6.185  | ng    |          |
| 89) Benzo(a)pyrene          | 15.24 | 252  | 221434   | 13.415 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene  | 16.69 | 278  | 34170    | 2.555  | ng    | # 85     |
| 91) Benzo(a,h,i)perylene    | 17.12 | 276  | 107011   | 8.105  | ng    | 96       |

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



#1

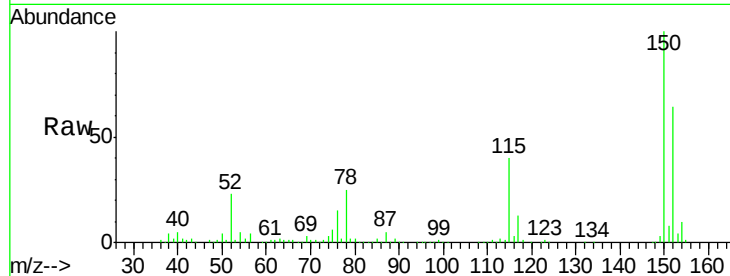
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

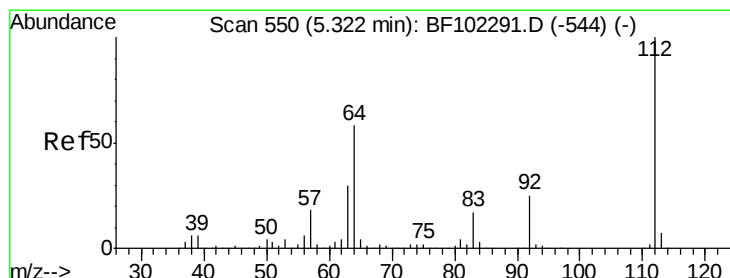
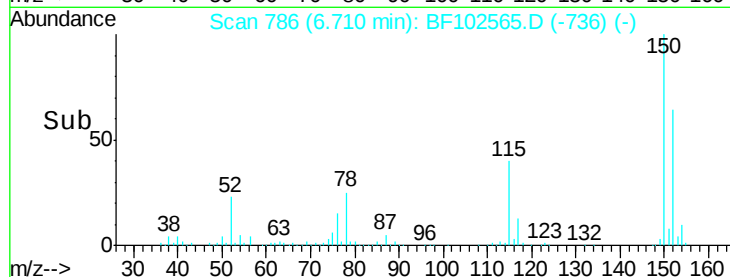
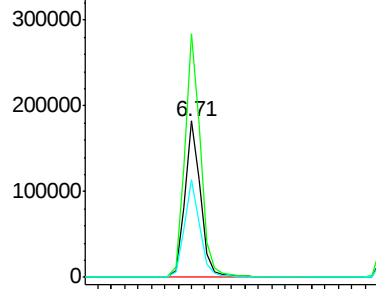
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 124.6 | 186.8 |
| 115     | 62.5  | 50.1  | 75.1  |

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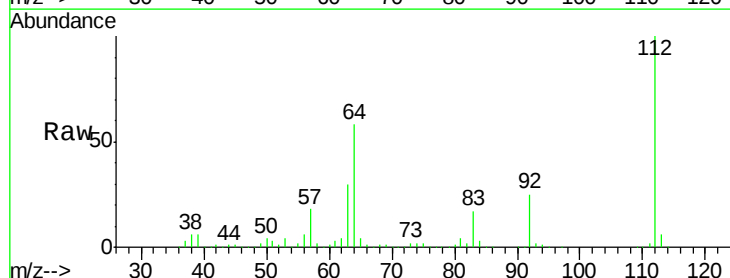
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



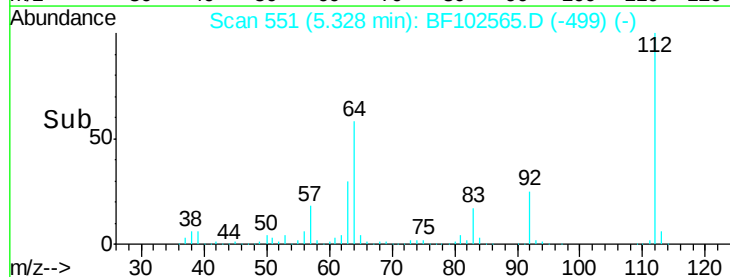
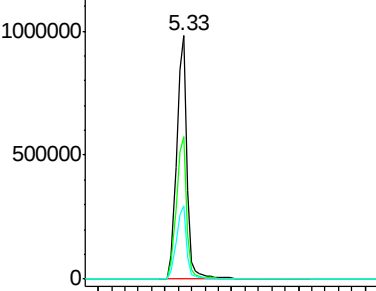
#5

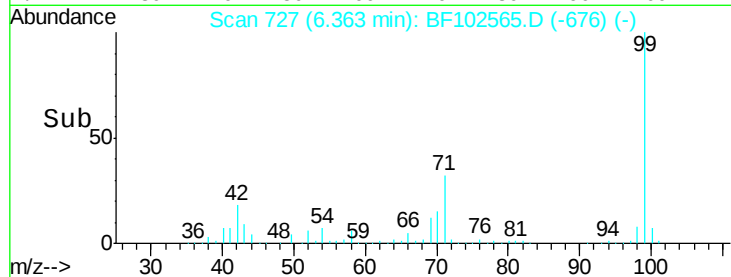
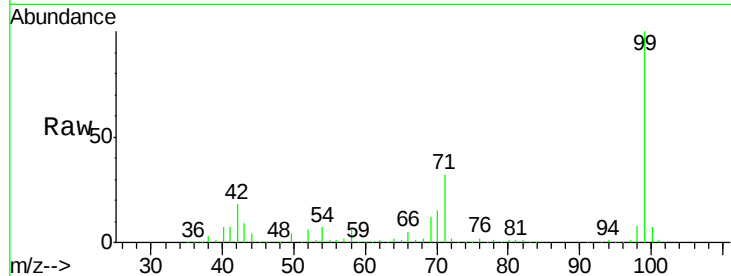
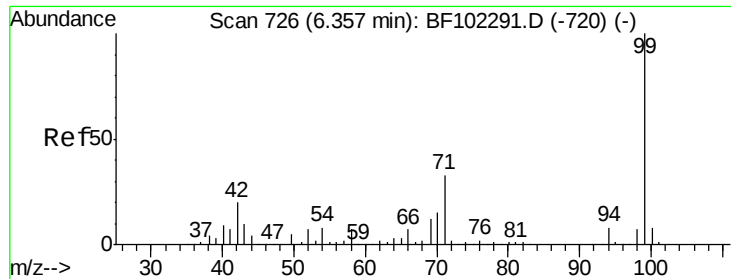
2-Fluorophenol  
Concen: 104.182 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 47.9  | 71.9  |
| 63      | 30.2  | 23.7  | 35.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.218 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1267740 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 18.3  | 14.5  | 21.7    |
| 71       | 32.2  | 25.4  | 38.0    |

Instrument :

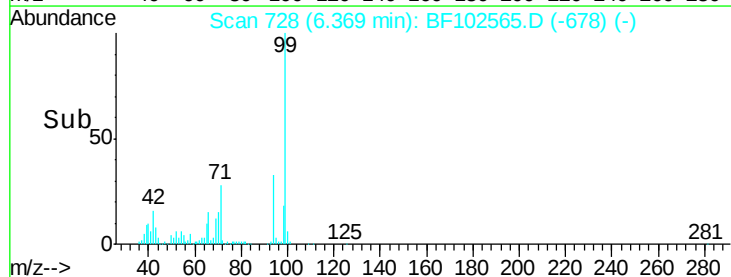
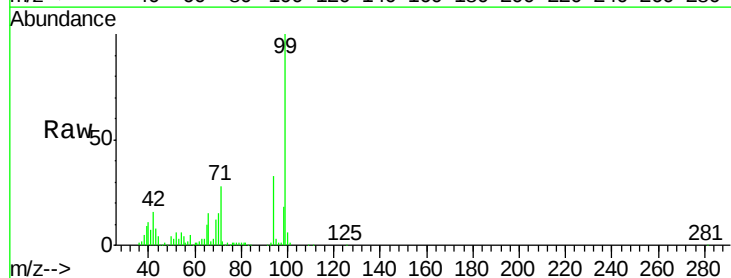
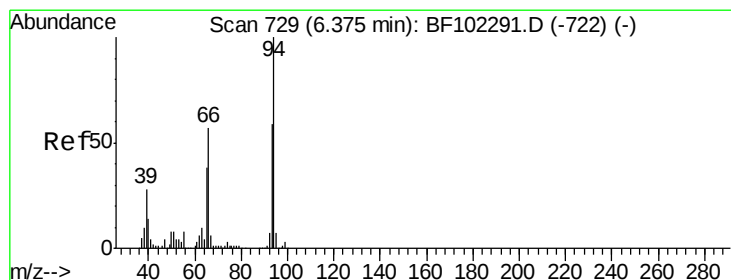
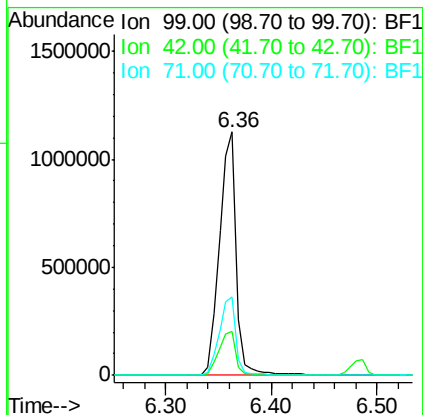
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ClientSampled :

SB-45-9.5-10.0

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#10

Phenol

Concen: 5.108 ng

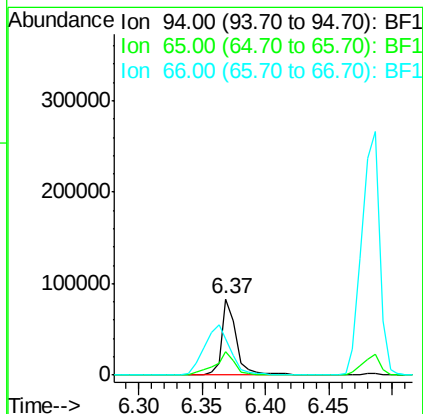
RT: 6.37 min Scan# 728

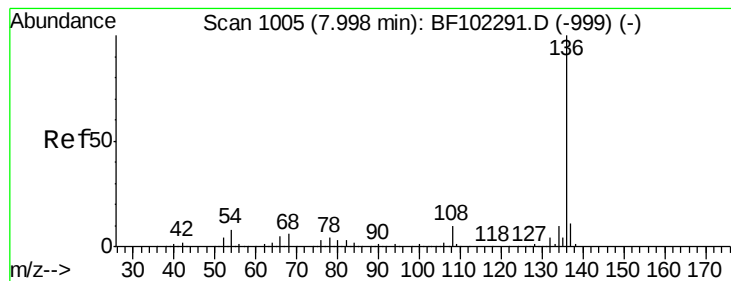
Delta R.T. -0.01 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 67829 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 31.6  | 7.9   | 47.9  |
| 66       | 47.0  | 16.2  | 56.2  |





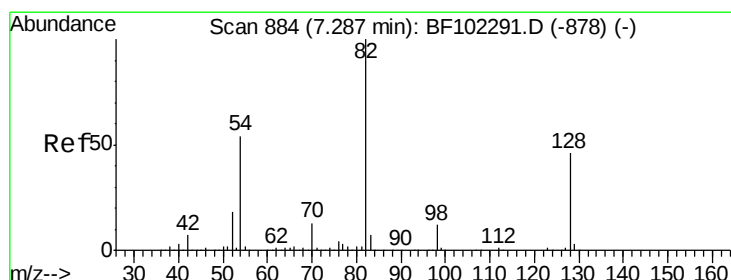
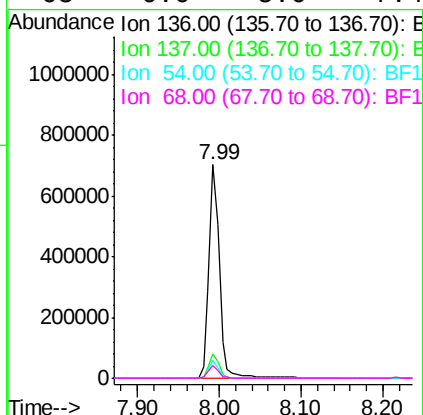
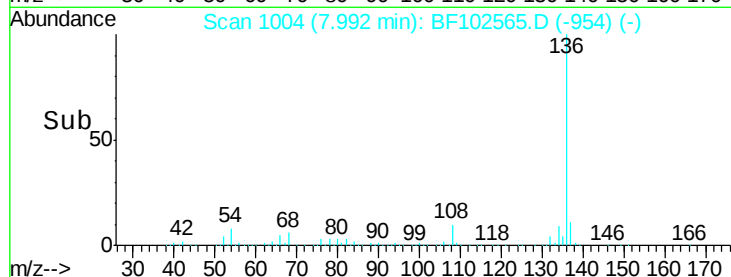
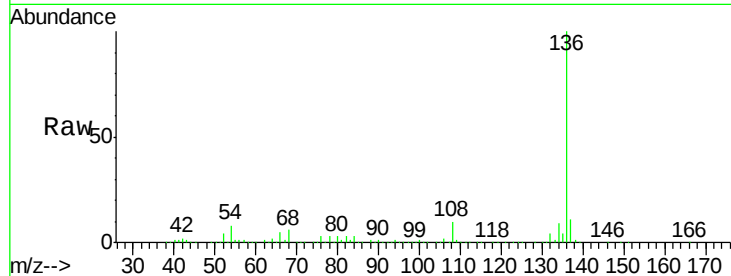
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 136   | Resp: | 630860 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.2  | 8.9   | 13.3   |
| 54        | 8.4   | 6.6   | 9.8    |
| 68        | 6.0   | 5.0   | 7.4    |

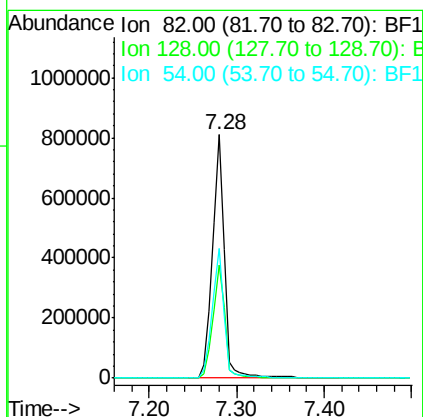
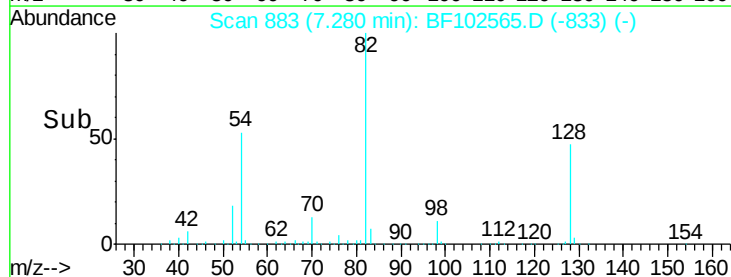
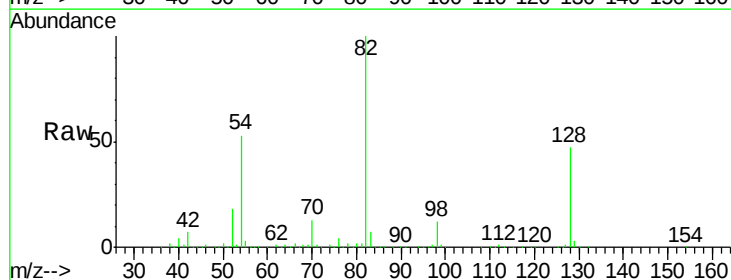
Manual Integrations  
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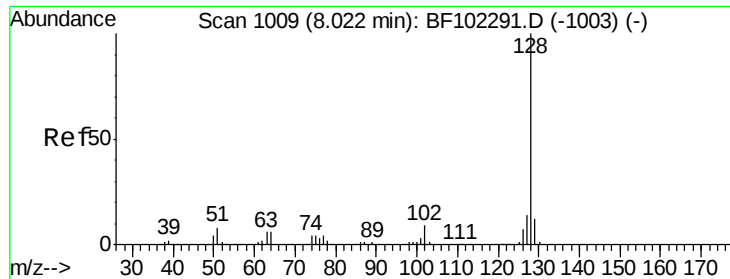
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#23  
Nitrobenzene-d5  
Concen: 71.221 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 781855 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.5  | 36.1  | 54.1   |
| 54        | 53.0  | 41.4  | 62.2   |





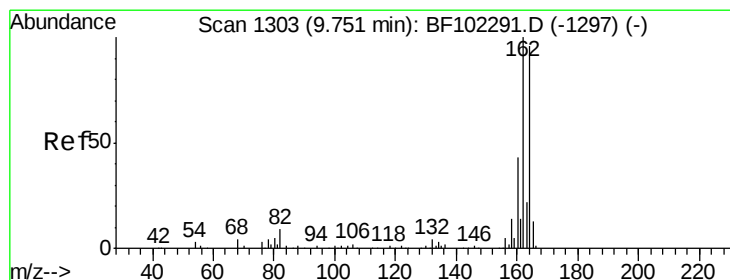
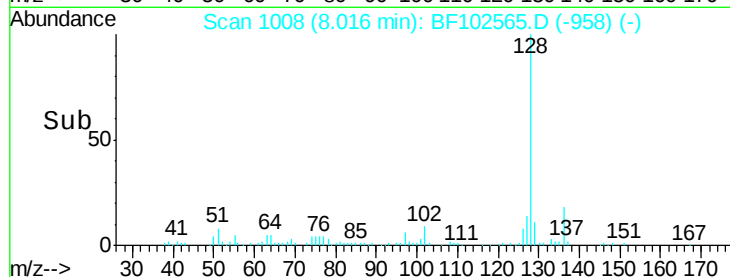
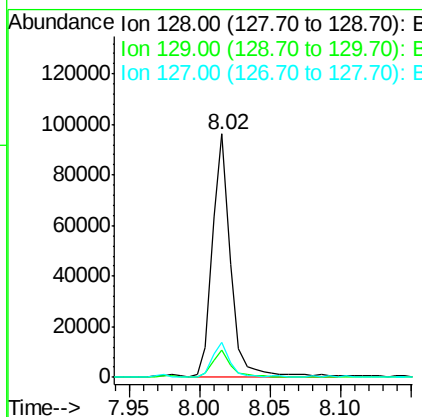
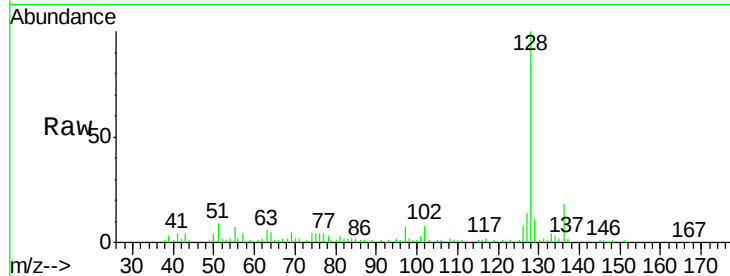
#31  
Naphthalene  
Concen: 2.705 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 8.8   | 13.2  |
| 127     | 14.4  | 10.9  | 16.3  |

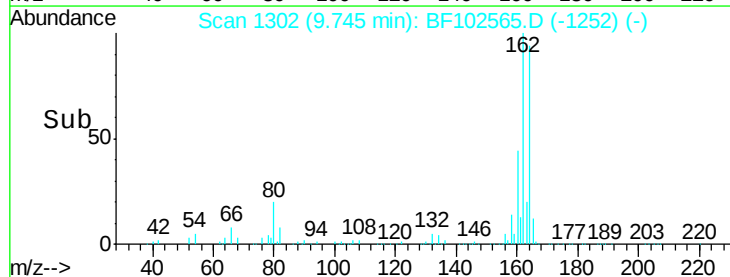
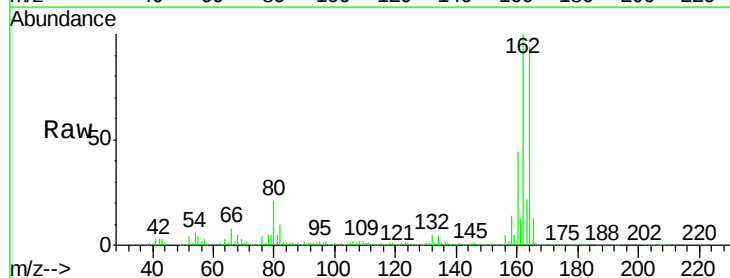
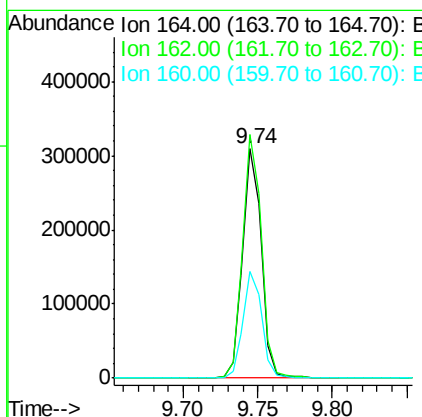
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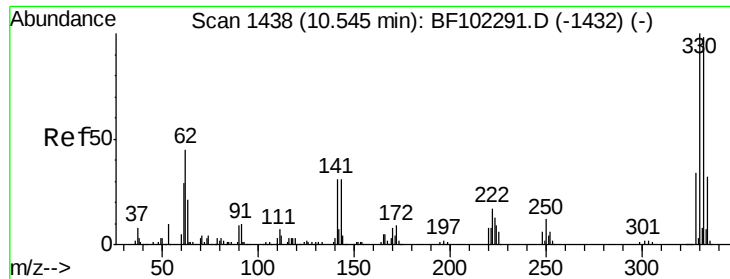
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.74 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.3 | 86.1  | 129.1 |
| 160     | 46.6  | 38.3  | 57.5  |





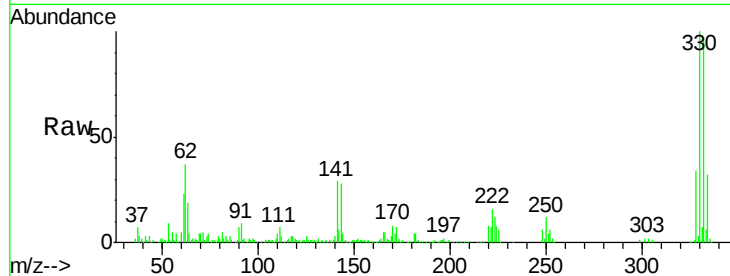
#41  
 2,4,6-Tribromophenol  
 Concen: 90.058 ng  
 RT: 10.54 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BF102565.D  
 Acq: 28 Jan 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-9.5-10.0

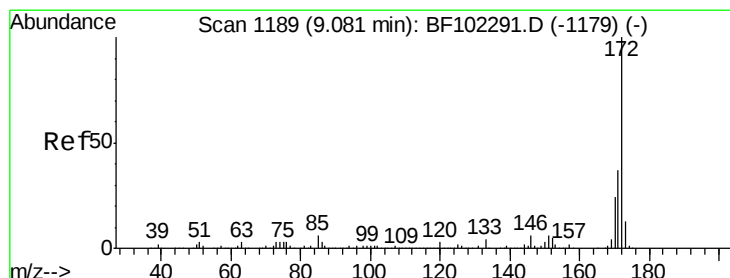
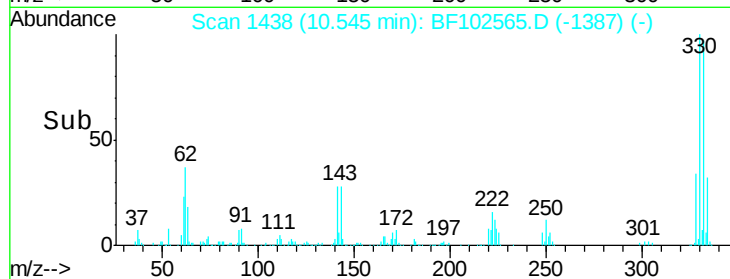
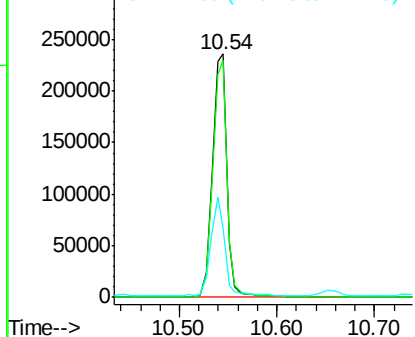
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 39.0  | 29.9  | 44.9  |

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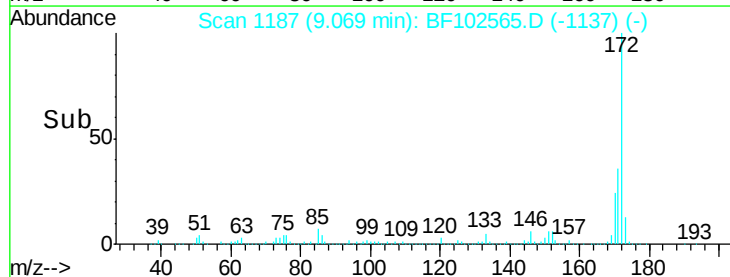
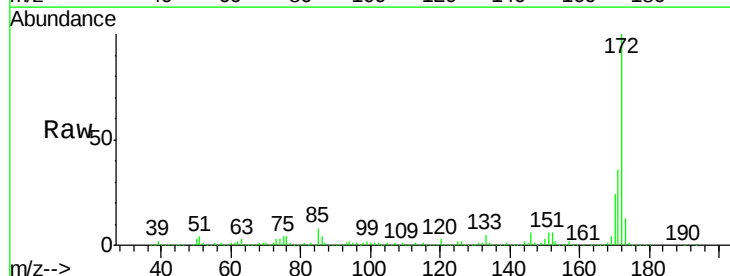
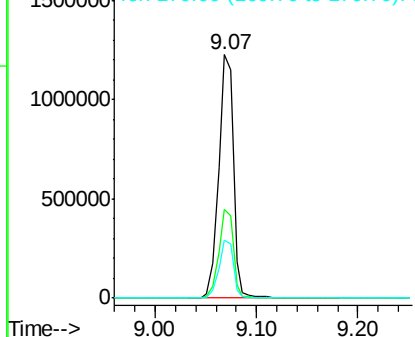
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

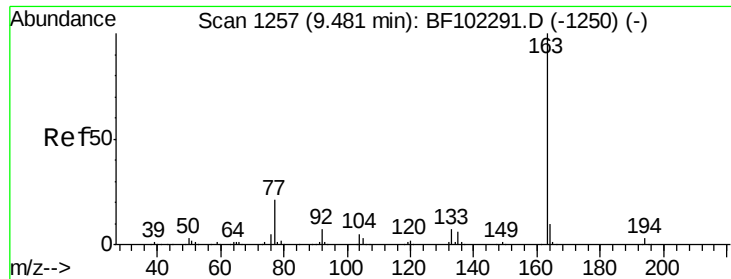


#44  
 2-Fluorobiphenyl  
 Concen: 67.346 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF102565.D  
 Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 23.8  | 19.6  | 29.4  |

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





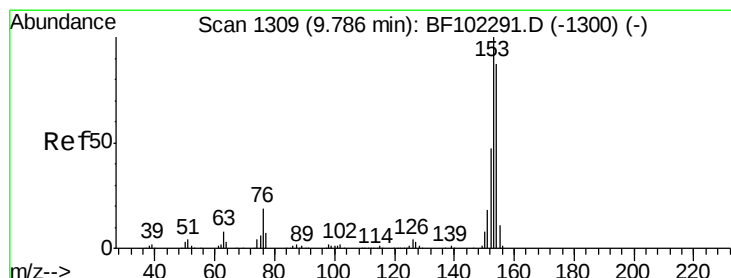
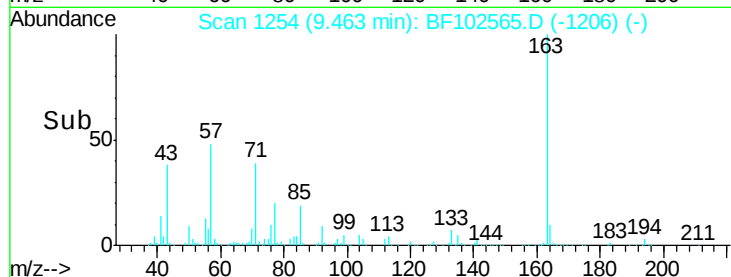
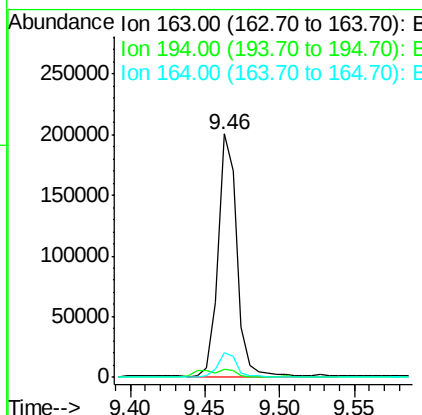
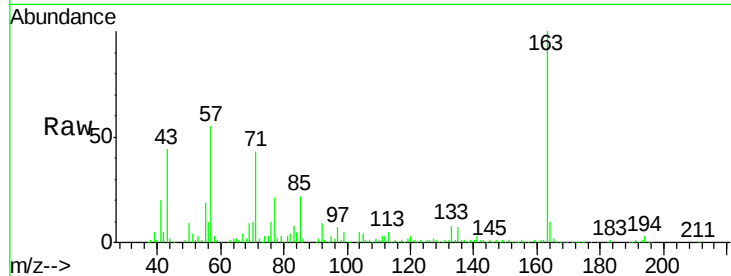
#49  
Dimethylphthalate  
Concen: 7.911 ng  
RT: 9.46 min Scan# 1254  
Delta R.T. -0.02 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampled :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 177245 |       |       |
| 194     | 3.4   | 2.7    | 4.1   |       |
| 164     | 9.9   | 8.2    | 12.2  |       |

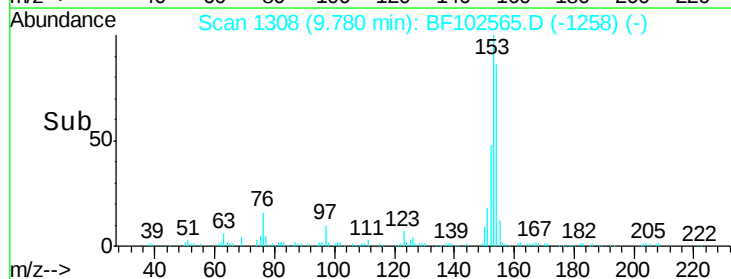
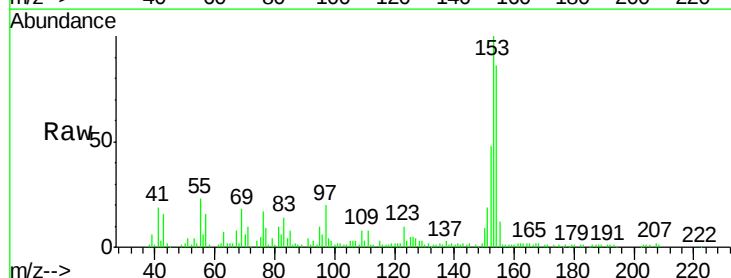
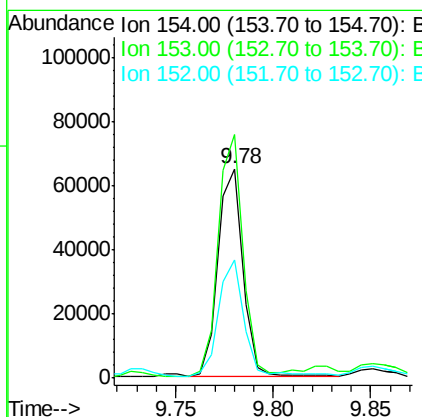
Manual Integrations  
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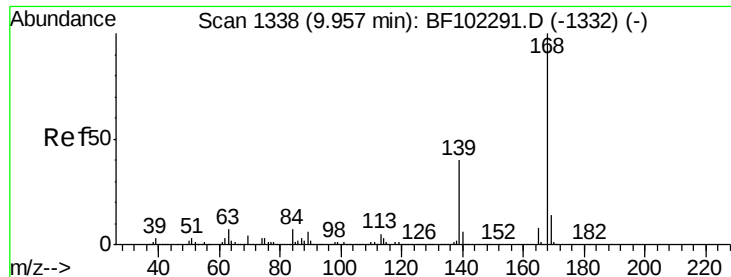
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#51  
Acenaphthene  
Concen: 3.373 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 57810 |       |       |
| 153     | 116.3 | 91.2  | 136.8 |       |
| 152     | 56.3  | 43.8  | 65.8  |       |





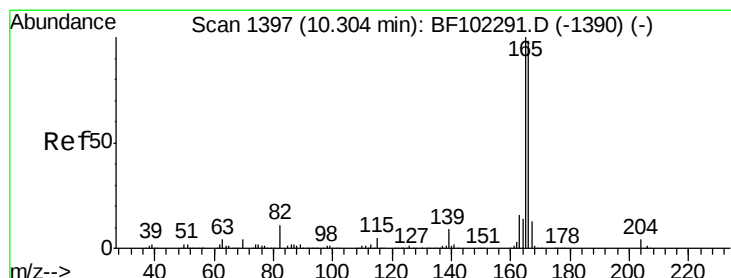
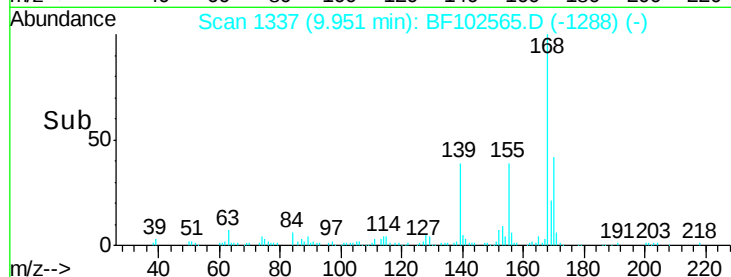
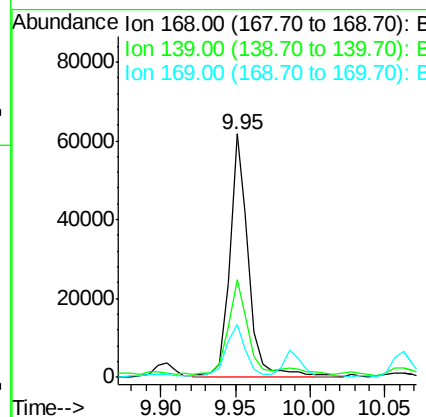
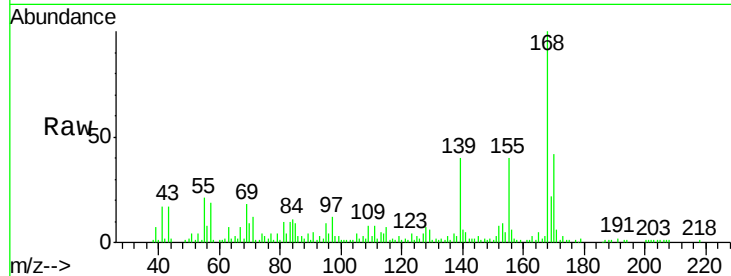
#54  
Dibenzofuran  
Concen: 2.371 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.1  | 30.1  | 45.1  |
| 169     | 21.8  | 10.9  | 16.3  |

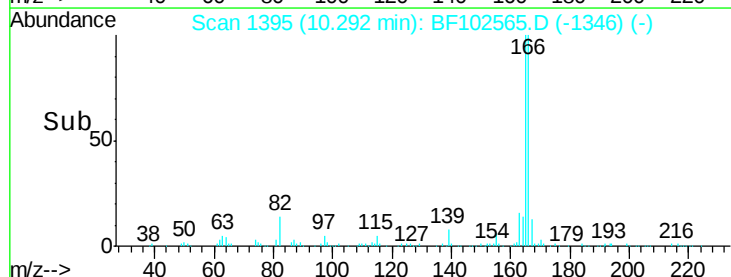
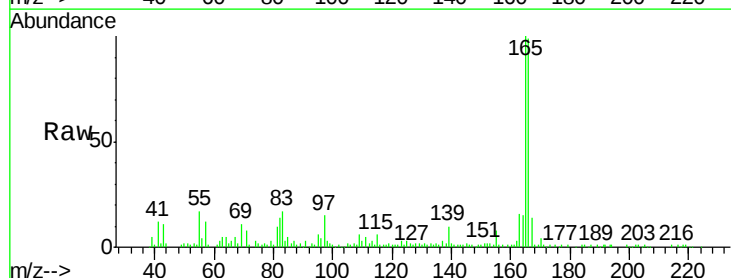
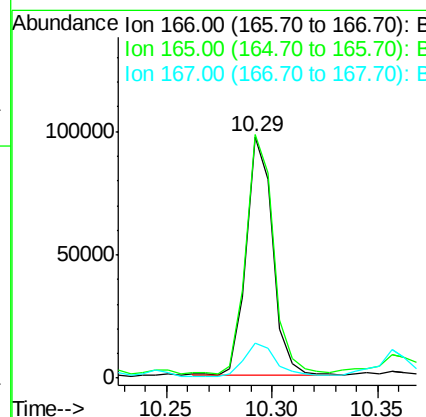
Manual Integrations  
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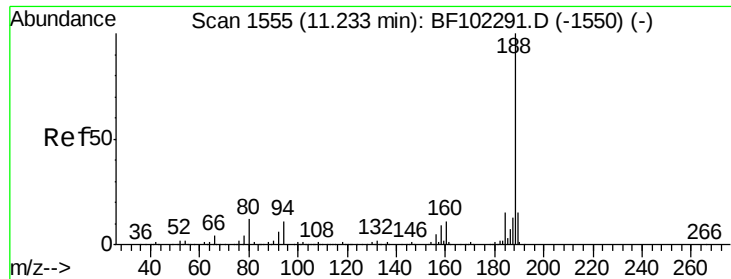
Sohil  
1/29/2018 5:48:03 PM



#57  
Fluorene  
Concen: 4.524 ng  
RT: 10.29 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.9 | 79.8  | 119.8 |
| 167     | 14.4  | 10.6  | 16.0  |





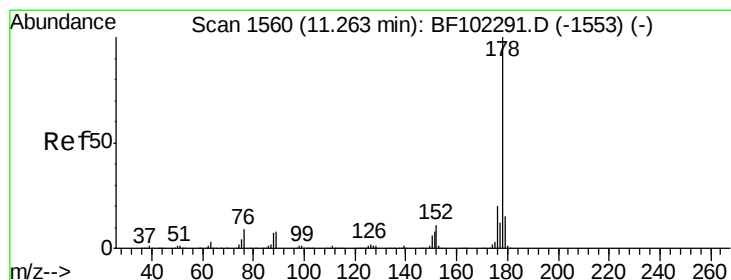
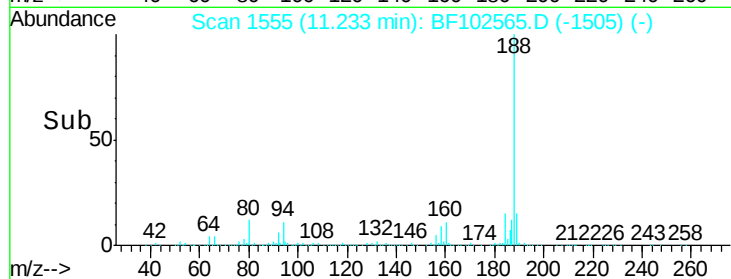
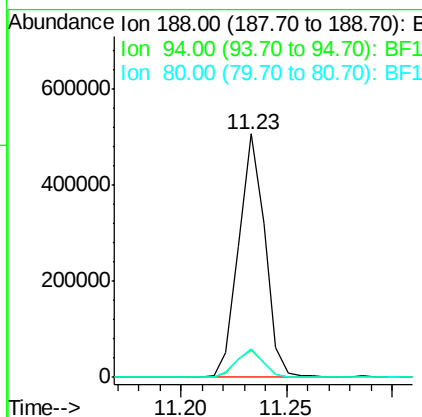
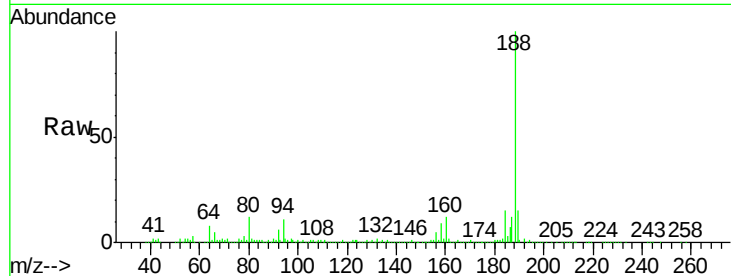
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 435267 |       |       |
| 94      | 11.2  |        | 8.5   | 12.7  |
| 80      | 11.7  |        | 9.2   | 13.8  |

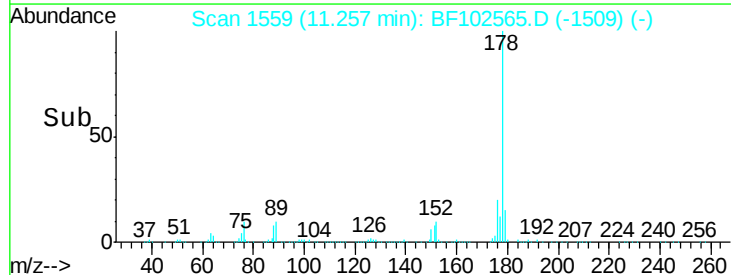
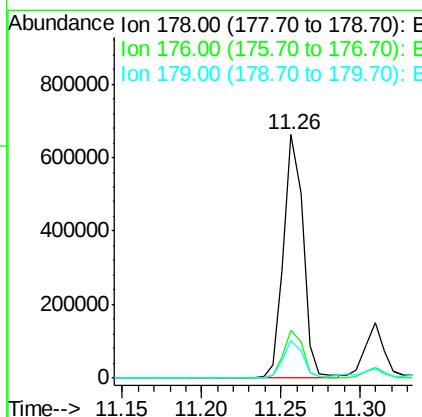
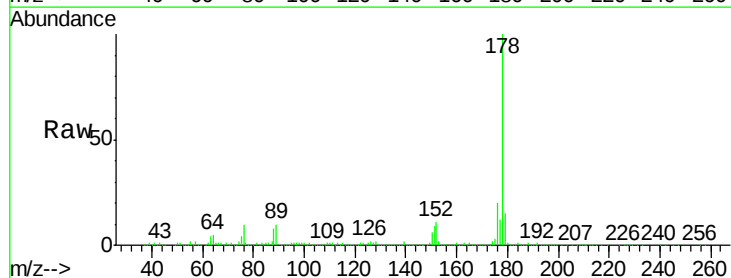
Manual Integrations  
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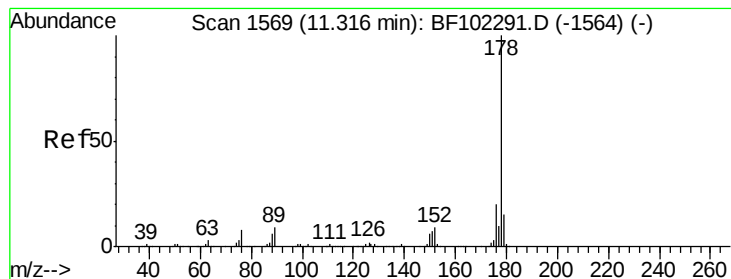
Sohil  
1/29/2018 5:48:03 PM



#70  
Phenanthrene  
Concen: 22.305 ng  
RT: 11.26 min Scan# 1559  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 565735 |       |       |
| 176     | 19.8  |        | 15.8  | 23.8  |
| 179     | 15.2  |        | 13.0  | 19.6  |





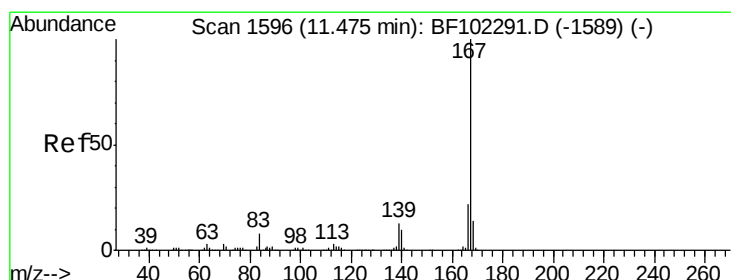
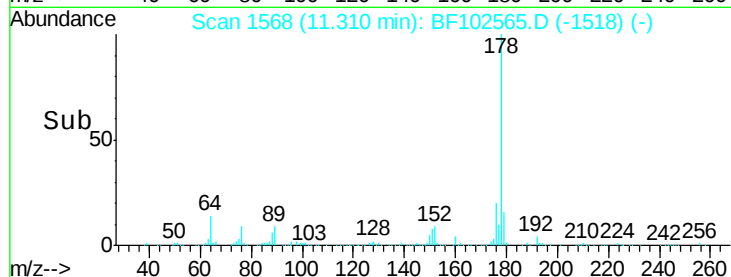
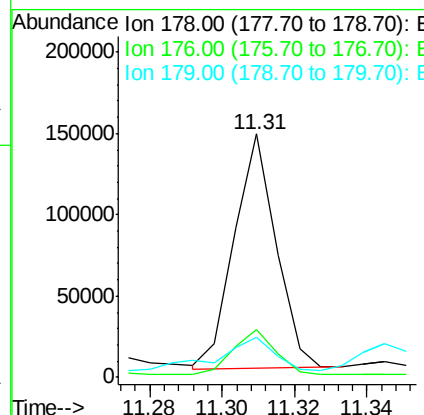
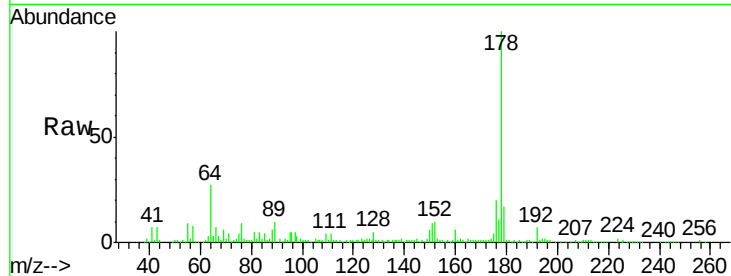
#71  
 Anthracene  
 Concen: 4.467 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. -0.01 min  
 Lab File: BF102565.D  
 Acq: 28 Jan 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 15.4  | 23.2  |
| 179     | 16.6  | 12.6  | 19.0  |

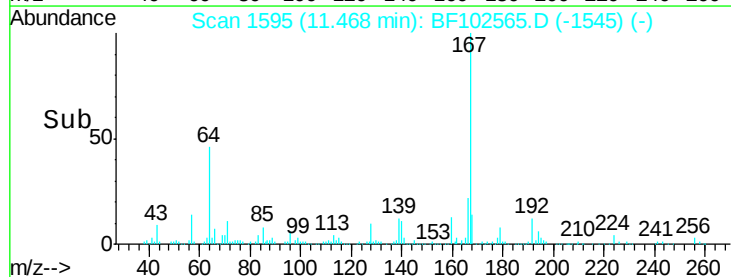
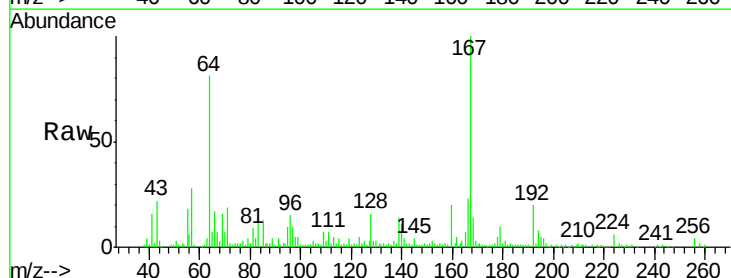
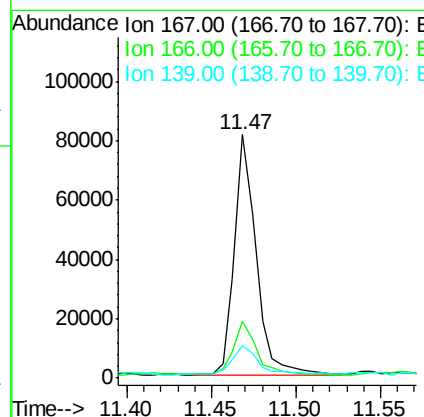
Manual Integrations  
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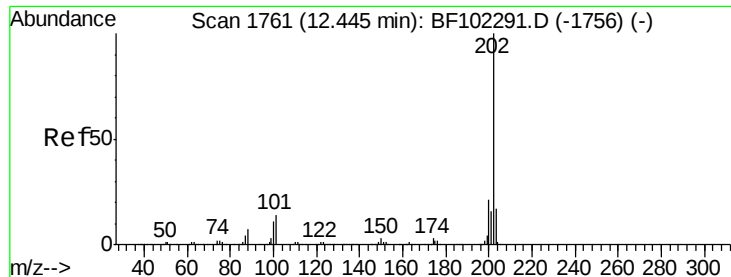
Sohil  
 1/29/2018 5:48:03 PM



#72  
 Carbazole  
 Concen: 2.864 ng  
 RT: 11.47 min Scan# 1595  
 Delta R.T. -0.01 min  
 Lab File: BF102565.D  
 Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.2  | 17.6  | 26.4  |
| 139     | 13.5  | 10.9  | 16.3  |





#74

Fluoranthene

Concen: 23.910 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

Instrument :

BNA\_F

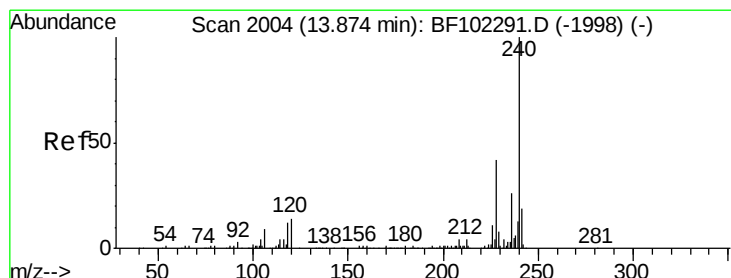
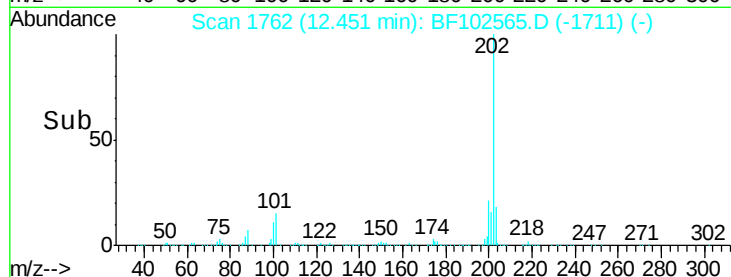
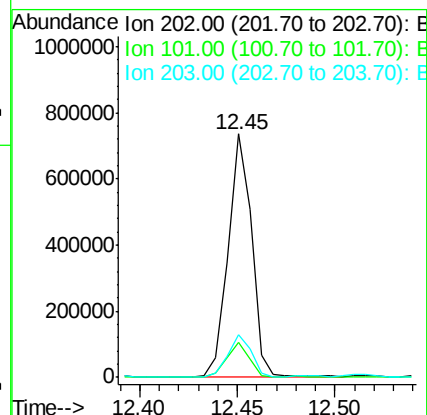
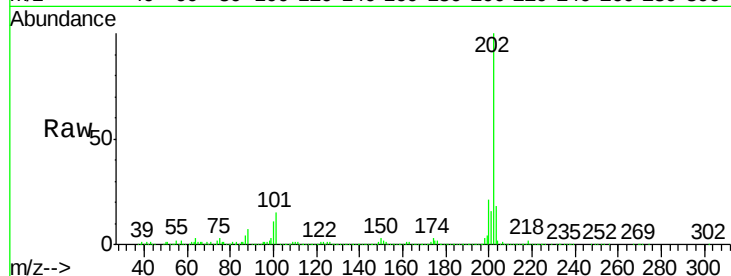
ClientSampleId :

SB-45-9.5-10.0

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 202     | 100  |       |      |       |       |
| 101     | 14.6 | 0.0   | 34.1 |       |       |
| 203     | 17.8 | 0.0   | 38.1 |       |       |

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#75

Chrysene-d12

Concen: 20.000 ng

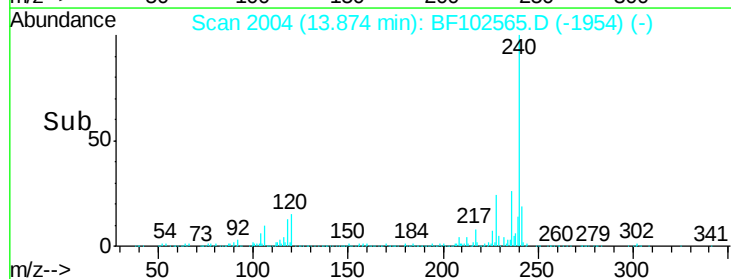
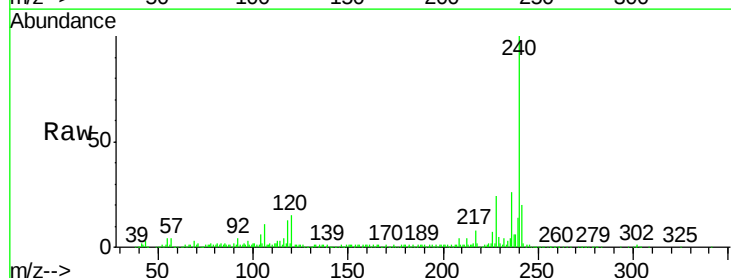
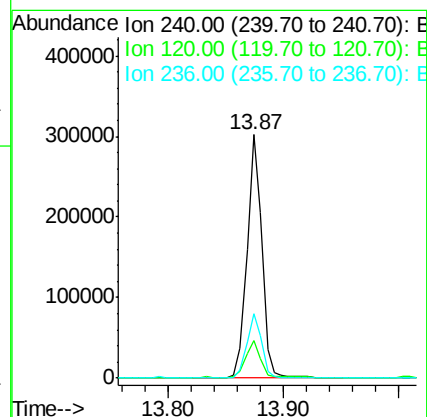
RT: 13.87 min Scan# 2004

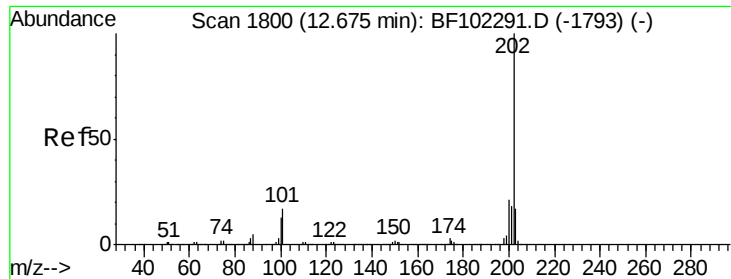
Delta R.T. -0.01 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 240     | 100  |       |       |       |       |
| 120     | 15.4 | 9.5   | 14.3# |       |       |
| 236     | 26.3 | 20.7  | 31.1  |       |       |





#77

Pvrene

Concen: 26.528 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

Instrument :

BNA\_F

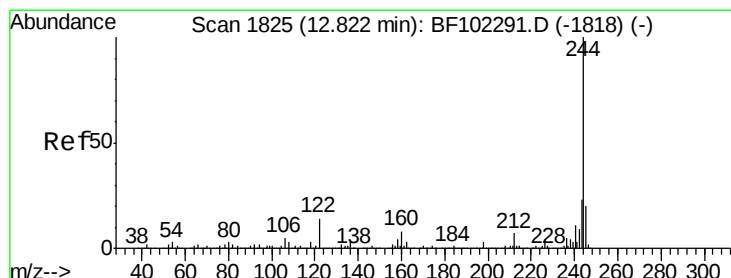
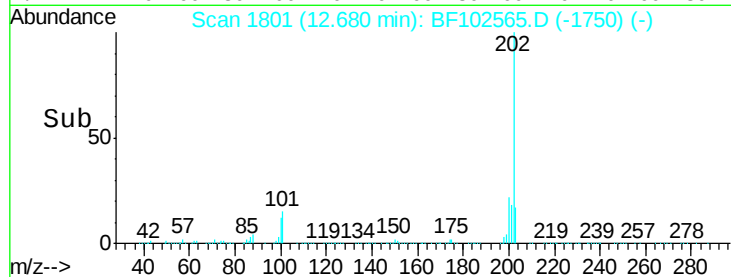
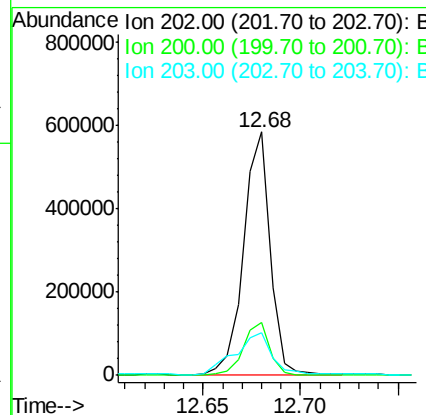
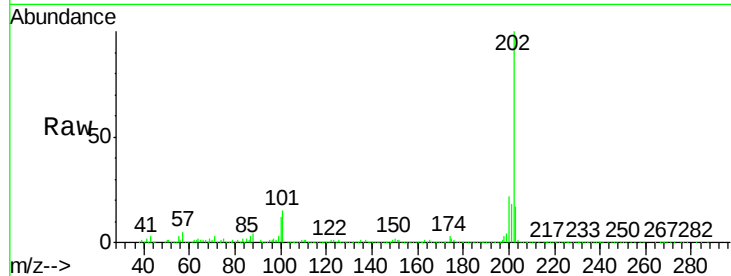
ClientSampleId :

SB-45-9.5-10.0

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 550566 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.8 | 17.4  | 26.2   |
| 203       | 17.4 | 14.3  | 21.5   |

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1/29/2018 5:48:03 PM



#78

Terphenyl-d14

Concen: 75.611 ng

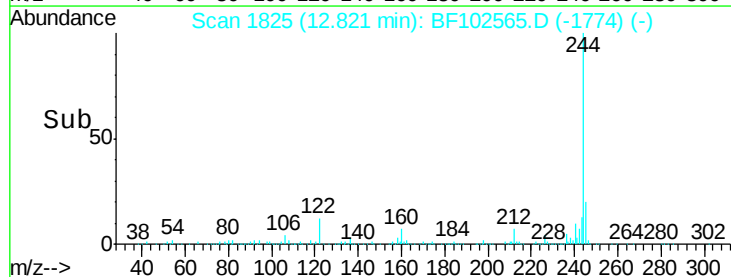
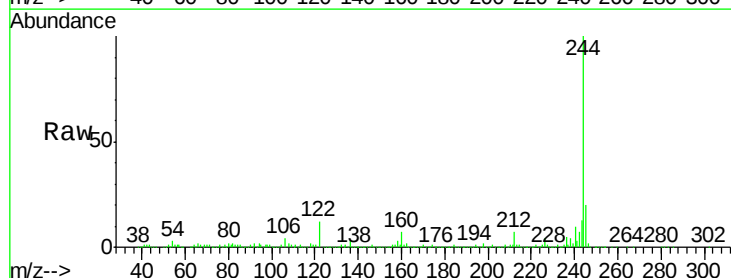
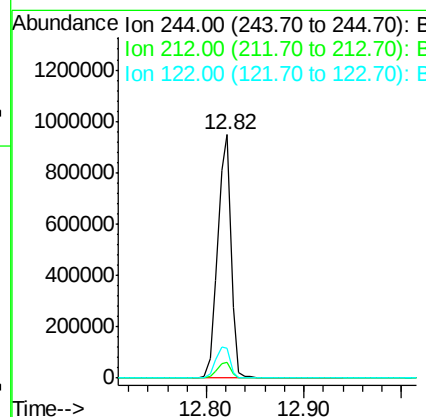
RT: 12.82 min Scan# 1825

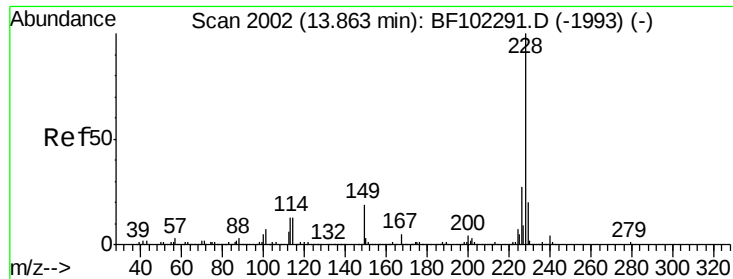
Delta R.T. -0.00 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 900301 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.6  | 5.4   | 8.0    |
| 122       | 12.3 | 11.0  | 16.4   |





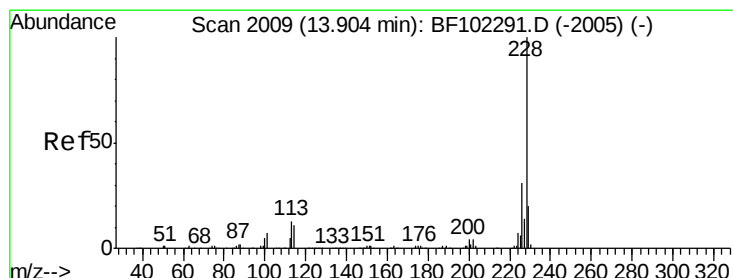
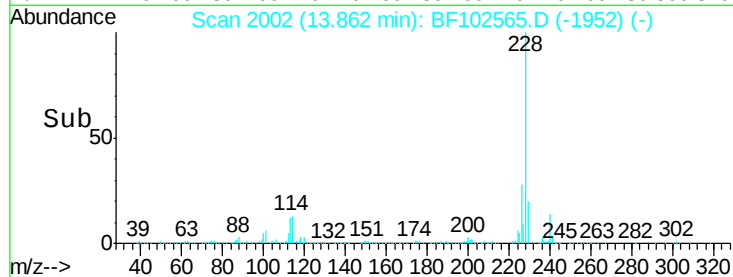
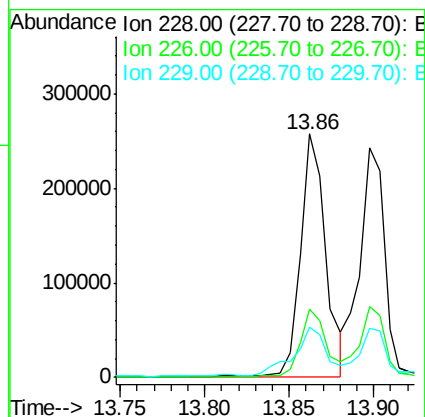
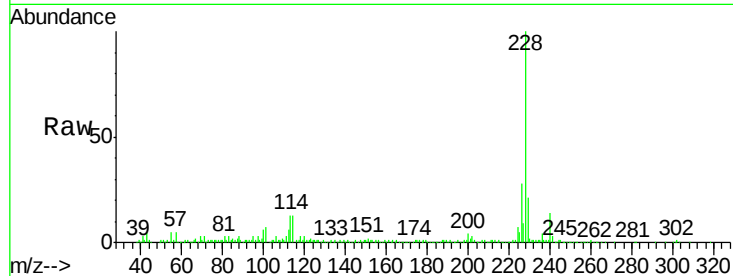
#80  
Benzo(a)anthracene  
Concen: 16.083 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.6  | 33.8  |
| 229     | 20.7  | 15.8  | 23.6  |

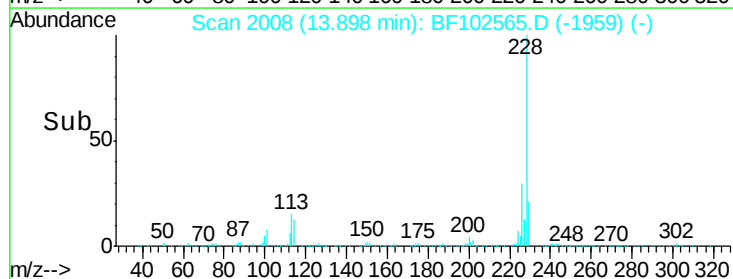
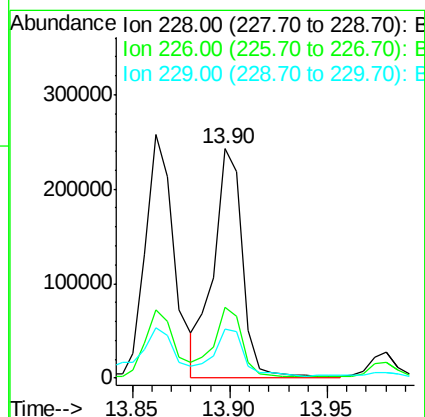
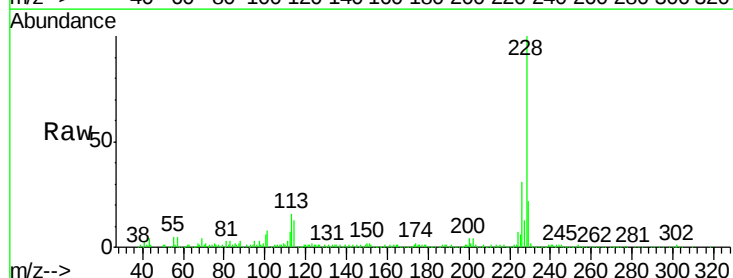
Manual Integrations  
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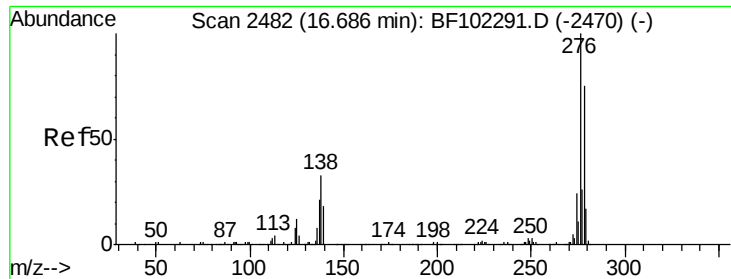
Sohil  
1/29/2018 5:48:03 PM



#82  
Chrysene  
Concen: 14.833 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 25.0  | 37.6  |
| 229     | 21.5  | 16.2  | 24.4  |





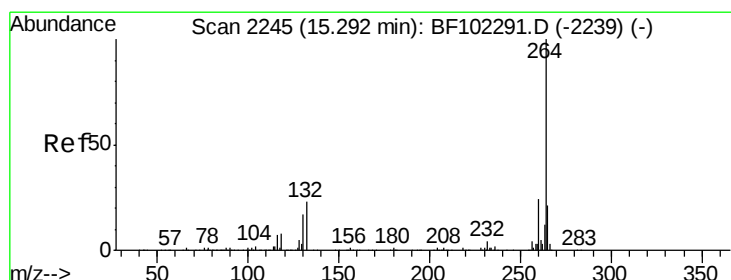
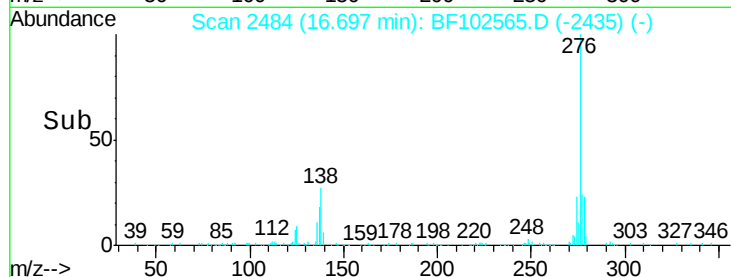
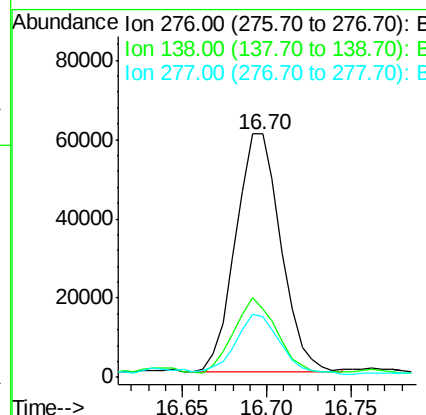
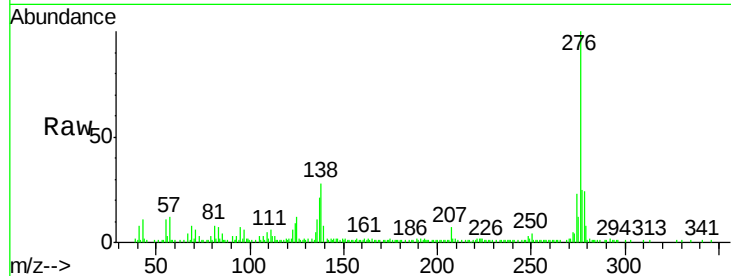
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 8.146 ng  
RT: 16.70 min Scan# 2484  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.0  | 25.0  | 37.6  |
| 277     | 24.4  | 20.1  | 30.1  |

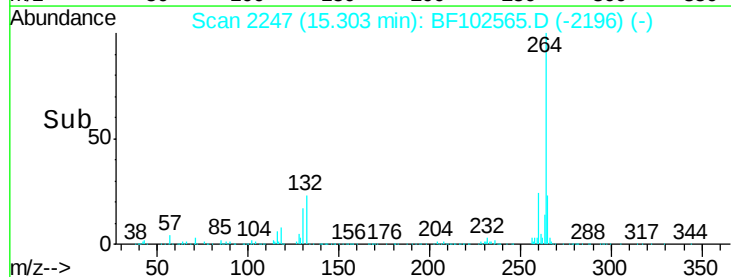
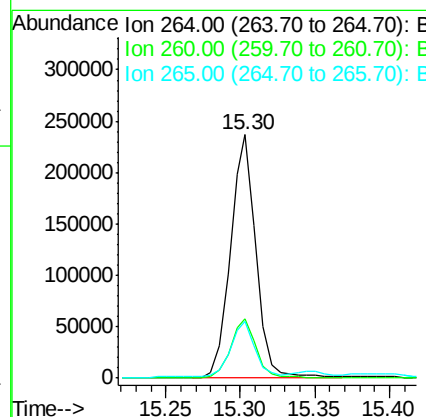
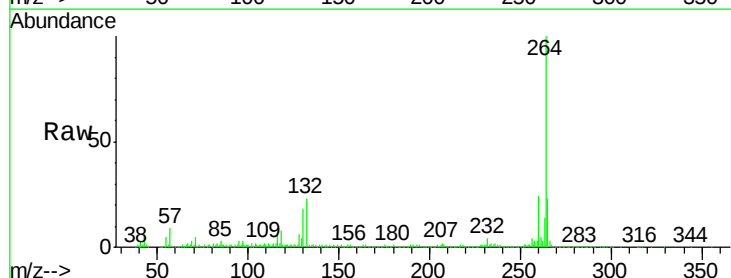
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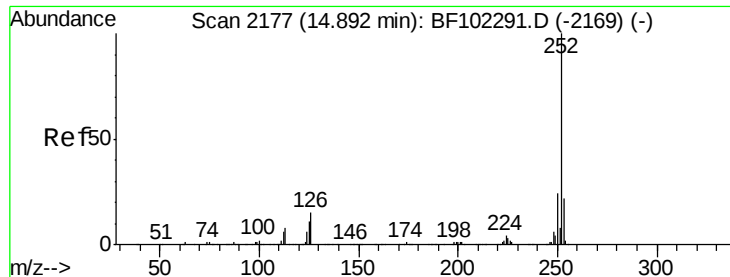
Sohil  
1/29/2018 5:48:03 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.30 min Scan# 2247  
Delta R.T. -0.00 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 23.2  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 16.179 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

Instrument :

BNA\_F

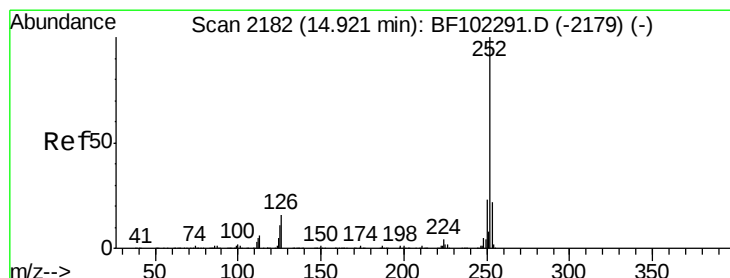
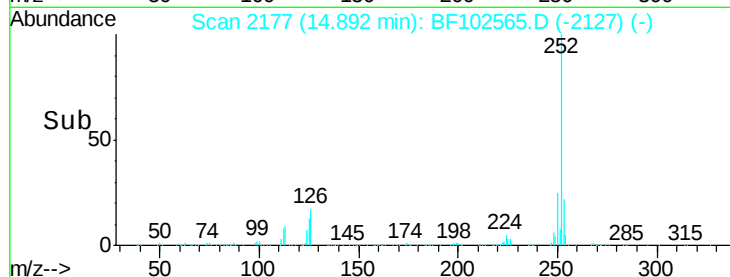
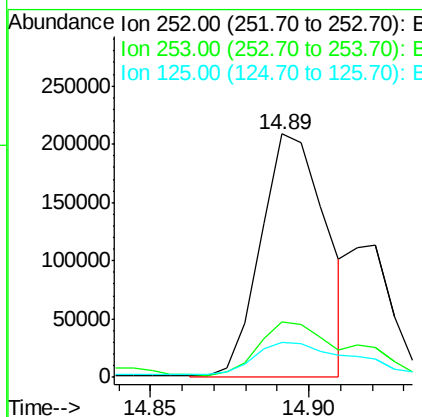
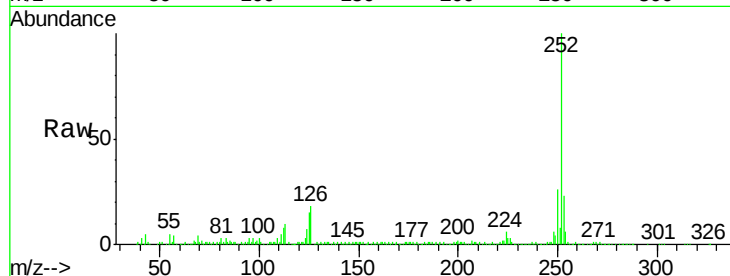
ClientSampleId :

SB-45-9.5-10.0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 296109 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.9  | 17.0  | 25.6   |
| 125       | 14.6  | 9.0   | 13.6   |

Manual Integrations  
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1/29/2018 5:48:03 PM



#88

Benzo(k)fluoranthene

Concen: 6.185 ng m

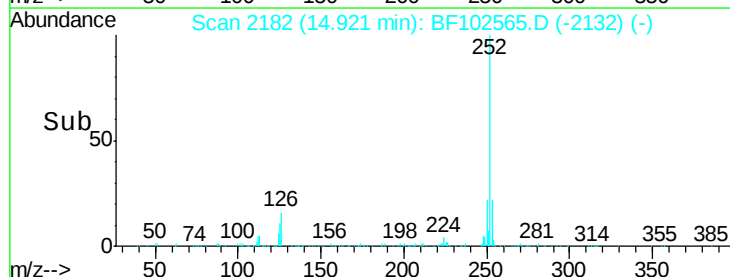
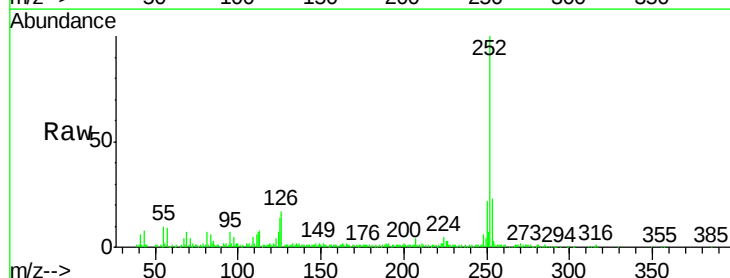
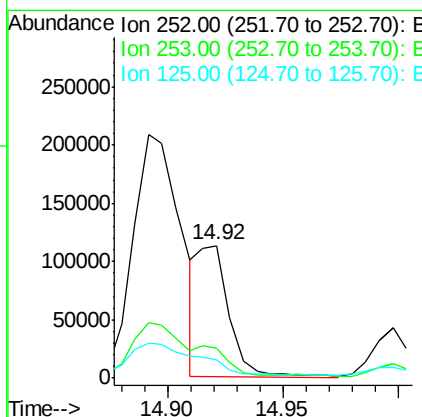
RT: 14.92 min Scan# 2182

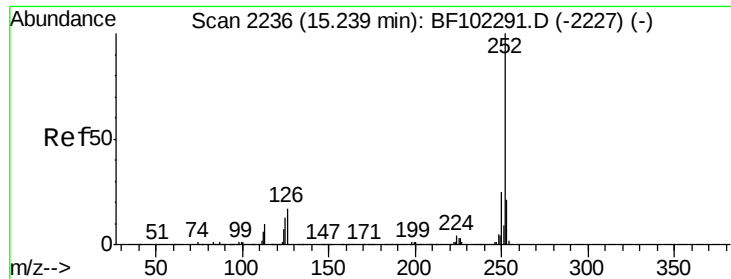
Delta R.T. -0.01 min

Lab File: BF102565.D

Acq: 28 Jan 2018 18:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 106946 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.7  | 17.9  | 26.9   |
| 125       | 13.6  | 10.2  | 15.2   |





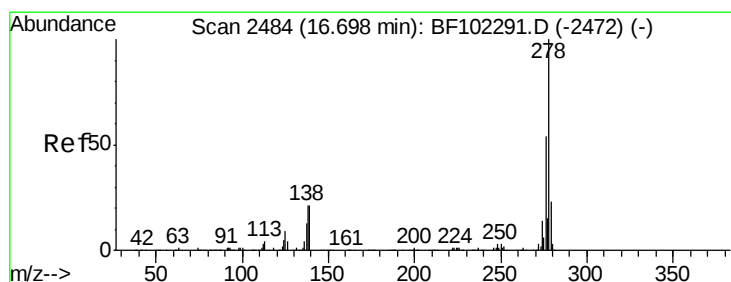
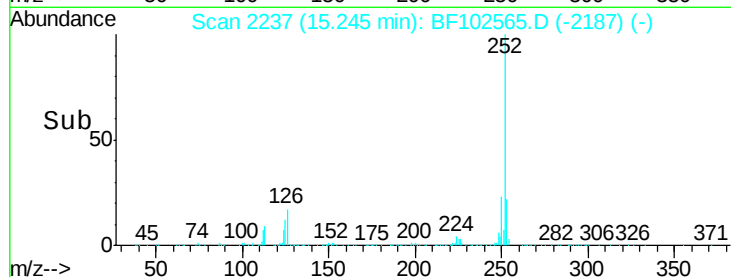
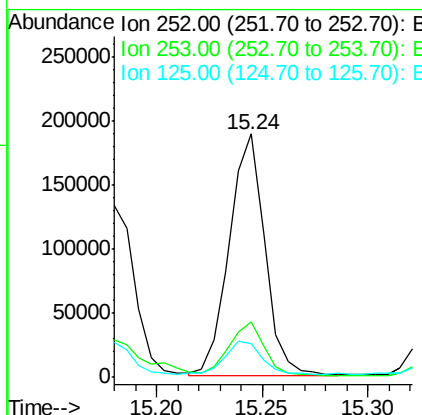
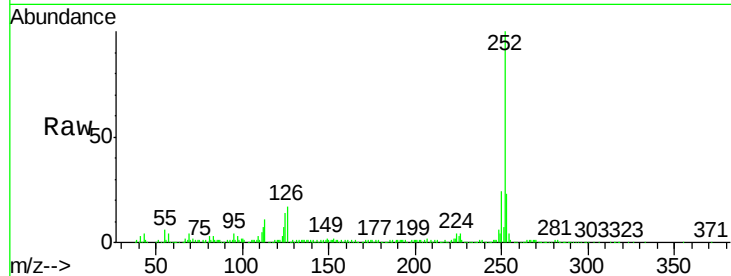
#89  
Benzo(a)pyrene  
Concen: 13.415 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. -0.01 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

Instrument :  
BNA\_F  
ClientSampled :  
SB-45-9.5-10.0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.1  | 25.7  |
| 125     | 13.8  | 9.8   | 14.6  |

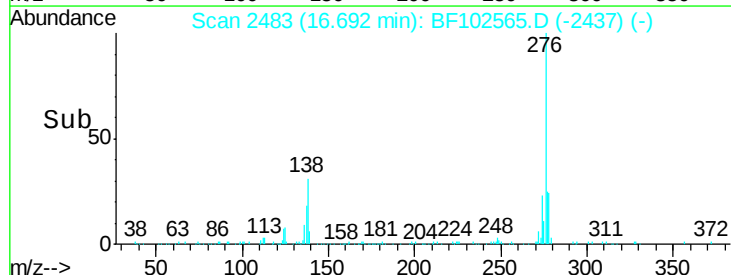
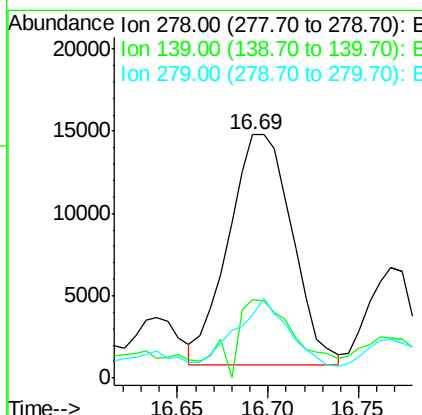
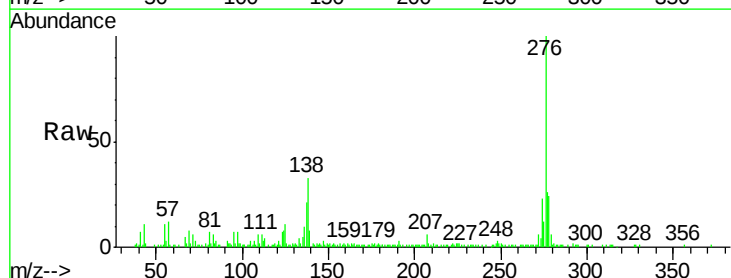
Manual Integrations  
APPROVED

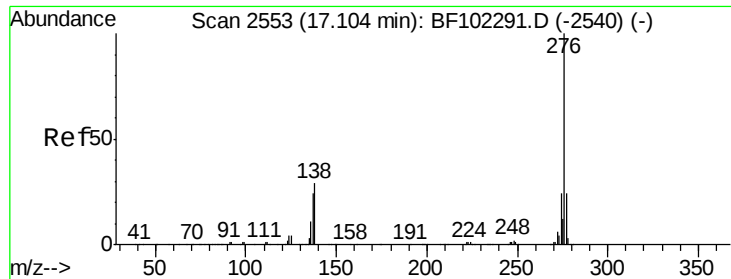
Sohil  
1/29/2018 5:48:03 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 2.555 ng  
RT: 16.69 min Scan# 2483  
Delta R.T. -0.03 min  
Lab File: BF102565.D  
Acq: 28 Jan 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 32.4  | 15.9  | 23.9# |
| 279     | 26.0  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 8.105 ng  
 RT: 17.12 min Scan# 2556  
 Delta R.T. -0.01 min  
 Lab File: BF102565.D  
 Acq: 28 Jan 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-9.5-10.0

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 107011 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 24.3 | 17.9  | 26.9   |
| 138       | 29.6 | 21.8  | 32.8   |

Manual Integrations  
 APPROVED

Sohil  
 1/29/2018 5:48:03 PM

