

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\  
 Data File : BF106385.D  
 Acq On : 13 Jun 2018 10:38  
 Operator : JU/SJ  
 Sample : J3322-01DL 5X  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB02-2\_E\_5DL

Manual Integrations  
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 6/13/2018 4:56:48 PM

Quant Time: Jun 13 11:16:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 13 10:51:26 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 107011   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 380589   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 160665   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.51 | 188  | 344176   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 351674   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.69 | 264  | 249000   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 146308   | 23.14  | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 170234   | 21.31  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 98074    | 15.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 31771    | 20.55  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 170328   | 9.11   | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 223108   | 15.76  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.28  | 128  | 952639   | 55.371 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.97  | 142  | 23467    | 2.003  | ng    | 96       |
| 45) 1,1'-Biphenyl           | 9.43  | 154  | 27705    | 2.226  | ng    | 96       |
| 48) Acenaphthylene          | 9.88  | 152  | 37955    | 2.490  | ng    | 96       |
| 51) Acenaphthene            | 10.05 | 154  | 63792    | 6.480  | ng    | 96       |
| 54) Dibenzofuran            | 10.22 | 168  | 52429    | 3.955  | ng    | 98       |
| 57) Fluorene                | 10.56 | 166  | 68752    | 6.546  | ng    | 99       |
| 70) Phenanthrene            | 11.53 | 178  | 288816   | 17.135 | ng    | 99       |
| 71) Anthracene              | 11.58 | 178  | 84750    | 5.019  | ng    | 97       |
| 72) Carbazole               | 11.74 | 167  | 57809    | 3.708  | ng    | 99       |
| 74) Fluoranthene            | 12.74 | 202  | 282452   | 15.713 | ng    | 96       |
| 77) Pyrene                  | 12.95 | 202  | 242727   | 11.025 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.14 | 228  | 122775   | 5.867  | ng    | 95       |
| 82) Chrysene                | 14.18 | 228  | 102681   | 5.374  | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.25 | 276  | 37363    | 2.450  | ng    | # 92     |
| 87) Benzo(b)fluoranthene    | 15.24 | 252  | 103368m  | 6.868  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.27 | 252  | 29956m   | 2.010  | ng    |          |
| 89) Benzo(a)pyrene          | 15.63 | 252  | 70016    | 5.172  | ng    | 97       |
| 91) Benzo(a,h,i)perylene    | 17.73 | 276  | 33601    | 3.063  | ng    | 94       |

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

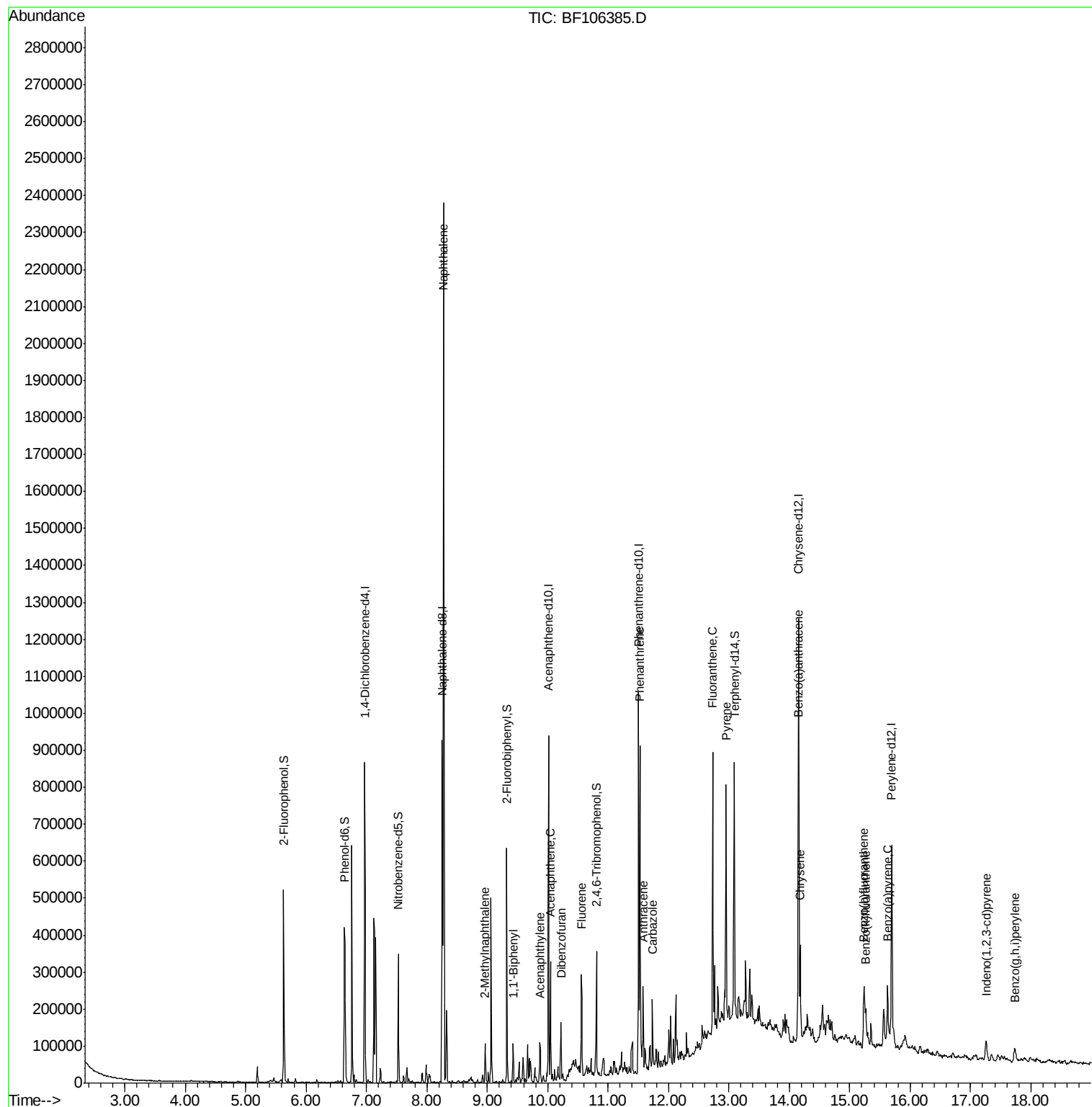
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\  
Data File : BF106385.D  
Acq On : 13 Jun 2018 10:38  
Operator : JU/SJ  
Sample : J3322-01DL 5X  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

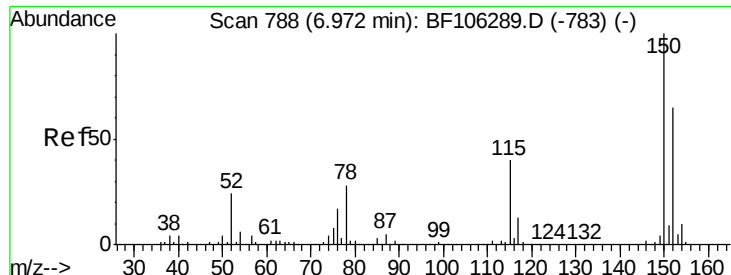
Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2 E\_5DL

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Quant Time: Jun 13 11:16:53 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 13 10:51:26 2018  
Response via : Initial Calibration





#1

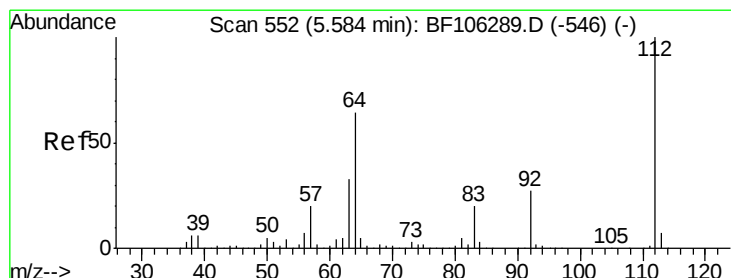
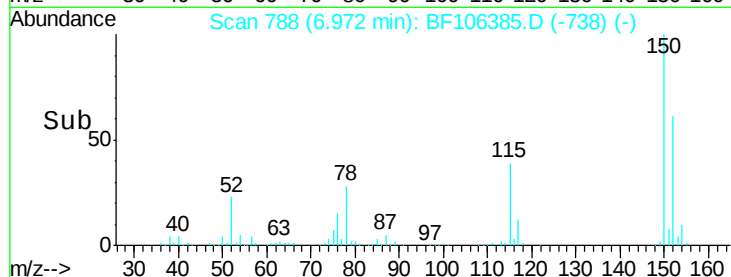
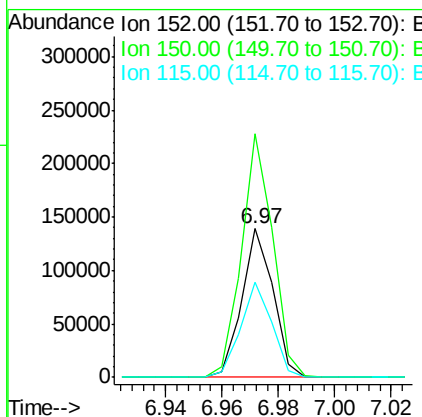
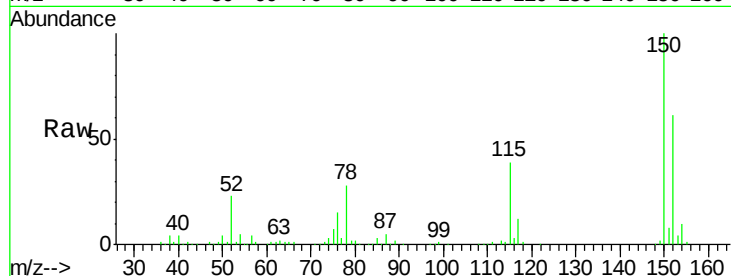
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.8 | 124.6 | 186.8 |
| 115     | 63.6  | 50.1  | 75.1  |

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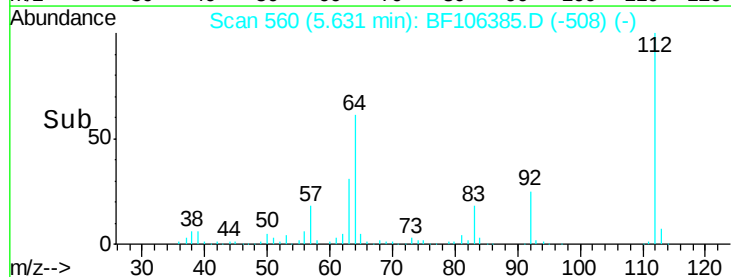
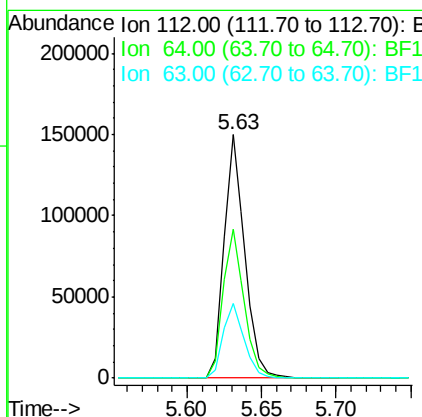
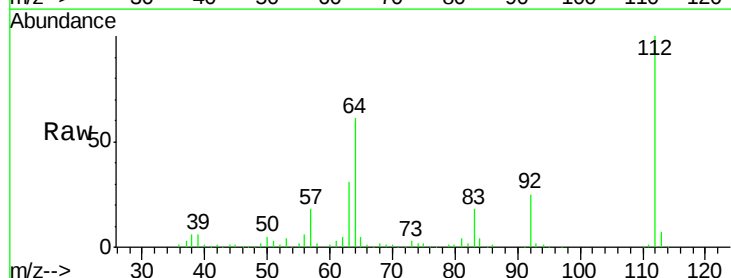
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#5

2-Fluorophenol  
Concen: 23.140 ng  
RT: 5.63 min Scan# 560  
Delta R.T. 0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.2  | 47.9  | 71.9  |
| 63      | 30.7  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 21.311 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

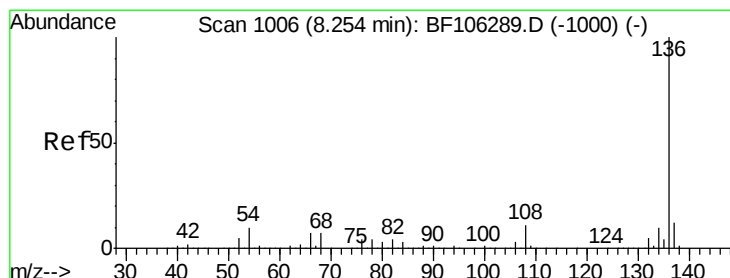
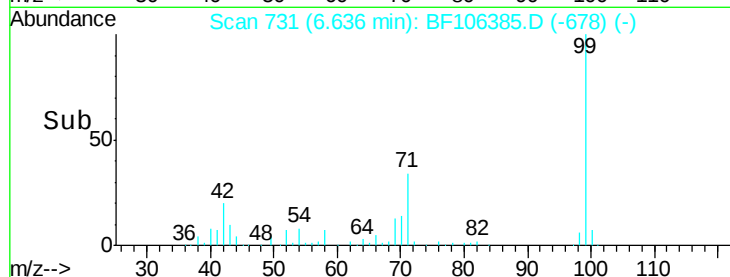
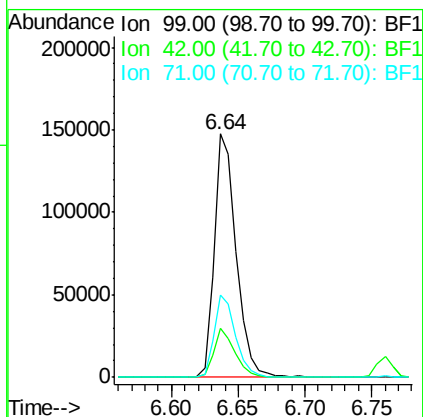
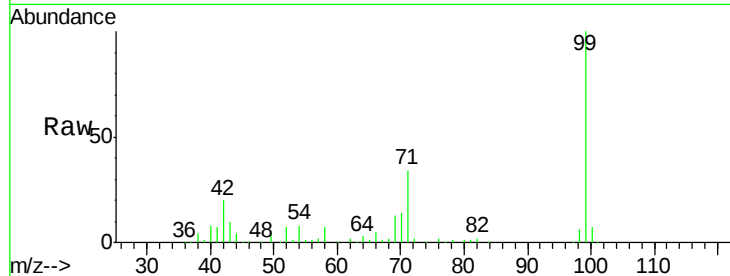
ClientSampleId :

SB02-2\_E\_5DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 170234 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.2  | 14.5  | 21.7   |
| 71        | 34.1  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

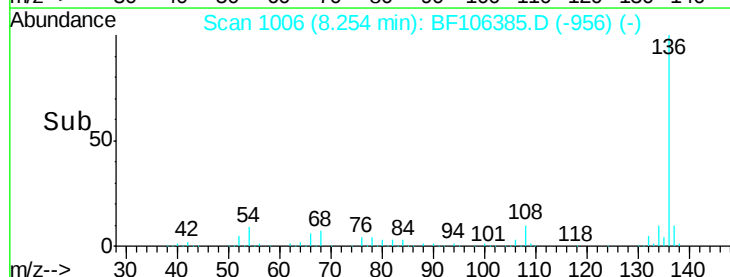
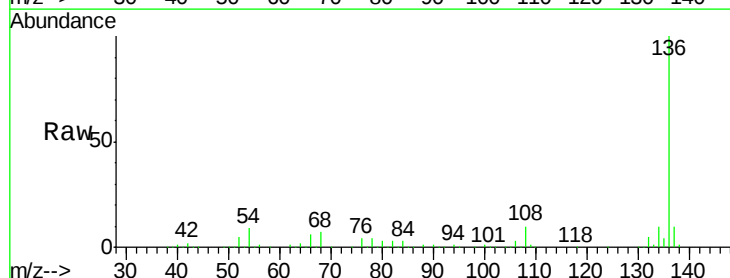
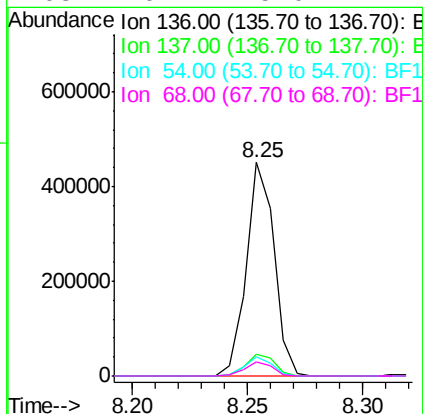
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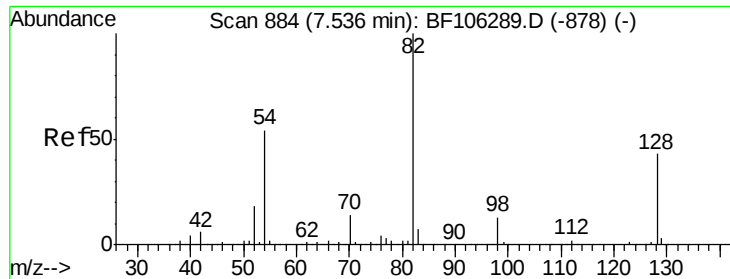
Delta R.T. -0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 380589 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.5  | 8.9   | 13.3   |
| 54        | 8.9   | 6.6   | 9.8    |
| 68        | 6.7   | 5.0   | 7.4    |





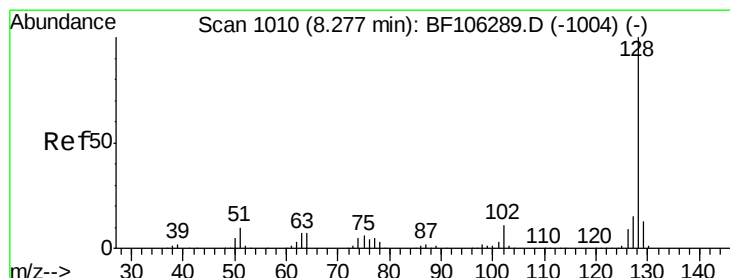
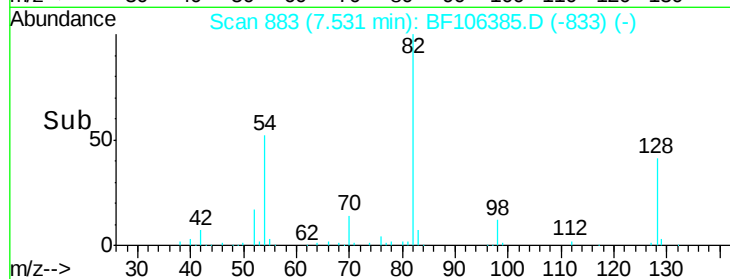
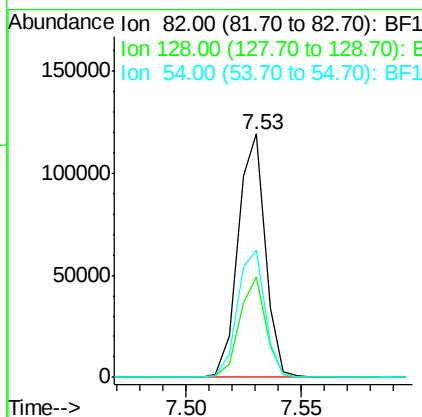
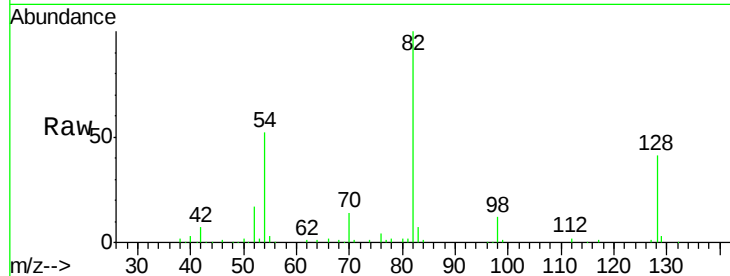
#23  
 Nitrobenzene-d5  
 Concen: 15.160 ng  
 RT: 7.53 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.3  | 36.1  | 54.1  |
| 54      | 52.5  | 41.4  | 62.2  |

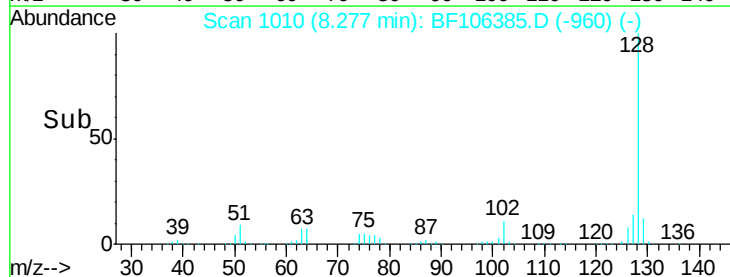
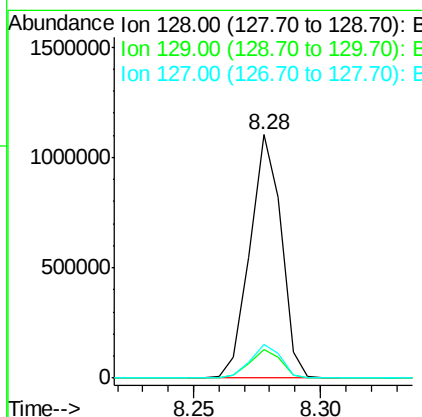
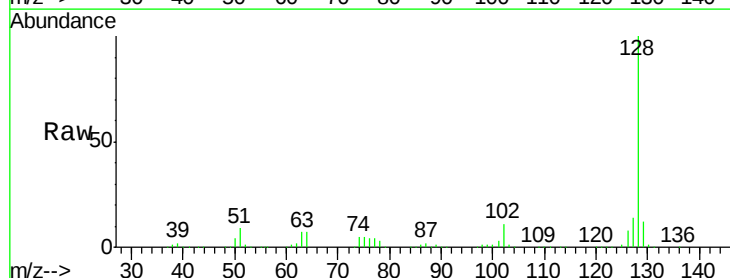
Manual Integrations  
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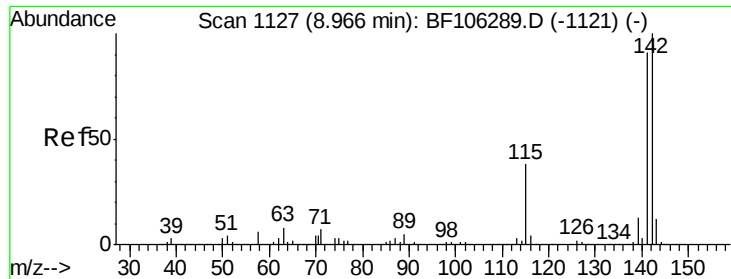
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#31  
 Naphthalene  
 Concen: 55.371 ng  
 RT: 8.28 min Scan# 1010  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.8  | 8.8   | 13.2  |
| 127     | 14.1  | 10.9  | 16.3  |





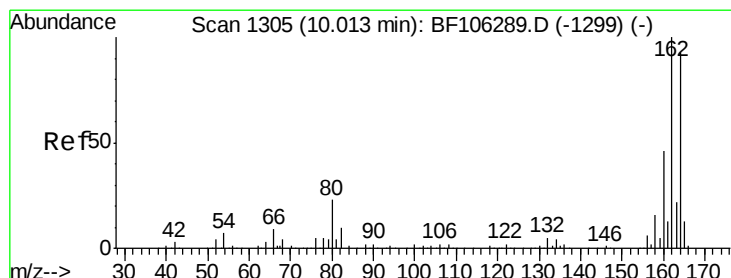
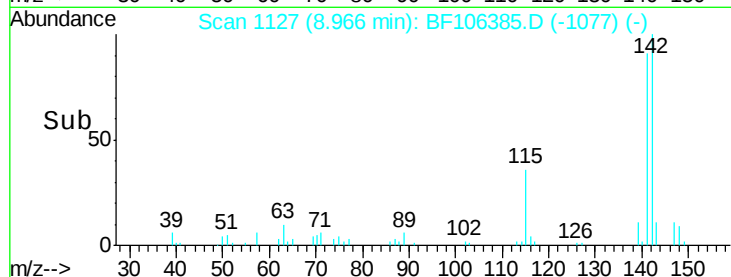
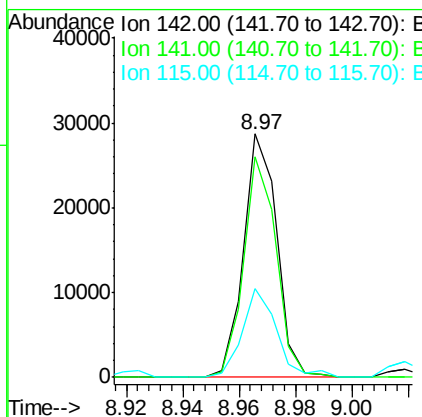
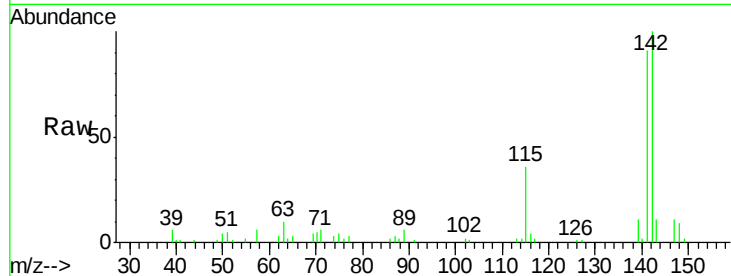
#37  
2-Methylnaphthalene  
Concen: 2.003 ng  
RT: 8.97 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 70.8  | 106.2 |
| 115     | 36.5  | 26.1  | 39.1  |

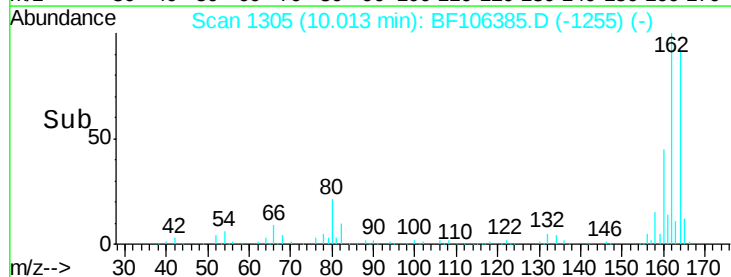
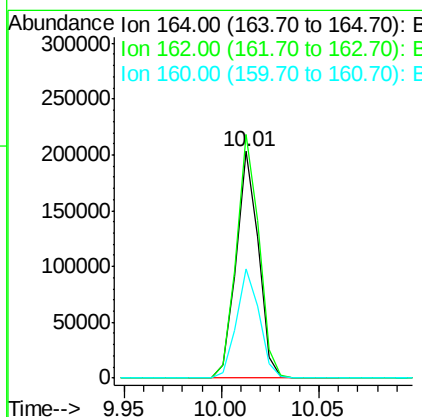
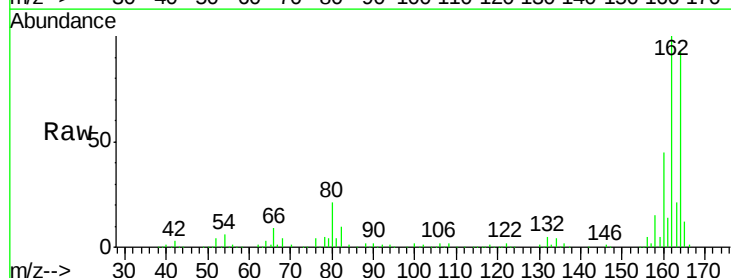
Manual Integrations  
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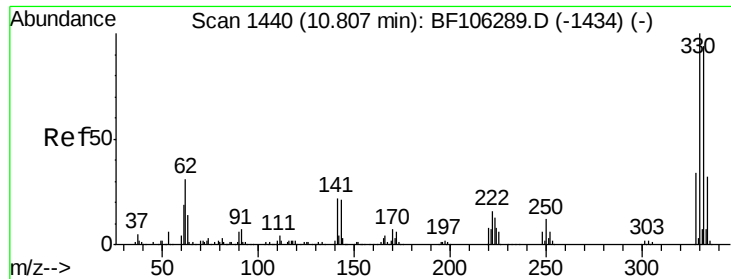
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.3 | 86.1  | 129.1 |
| 160     | 48.3  | 38.3  | 57.5  |





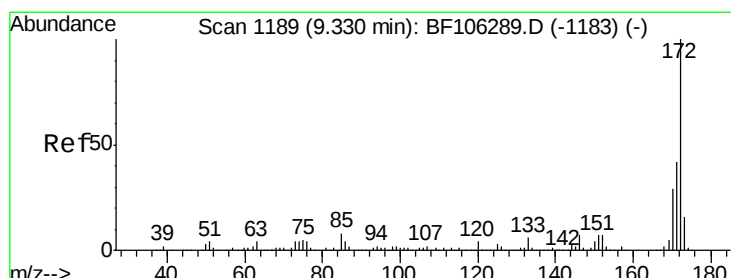
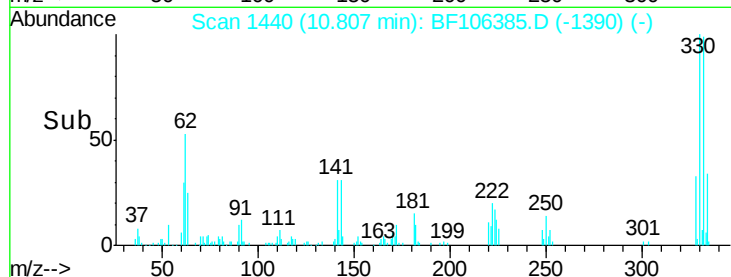
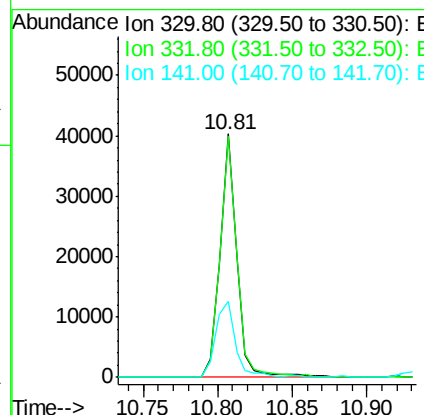
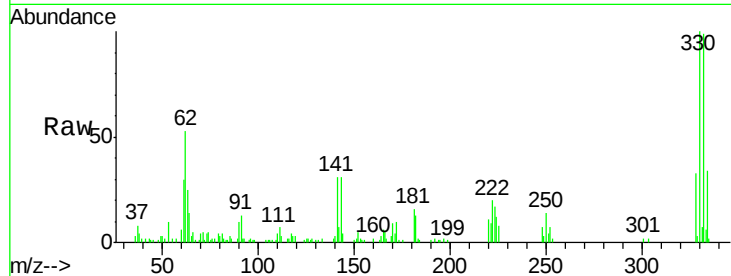
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 2,4,6-Tribromophenol  
 Concen: 20.552 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.2  | 77.0  | 115.6 |
| 141     | 36.1  | 29.9  | 44.9  |

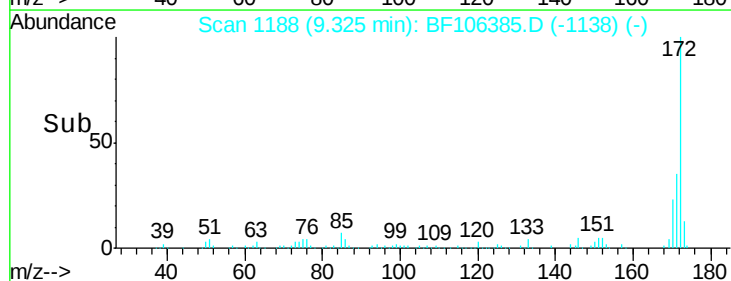
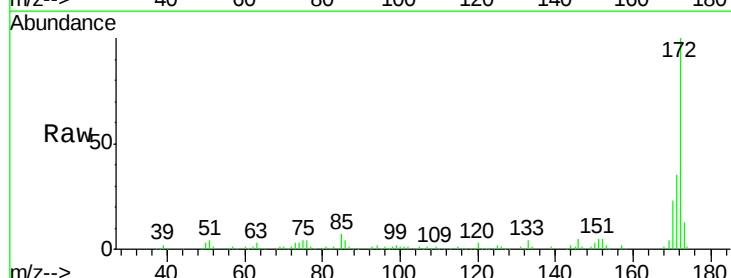
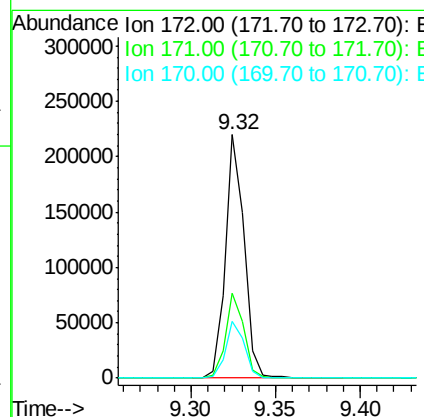
Manual Integrations  
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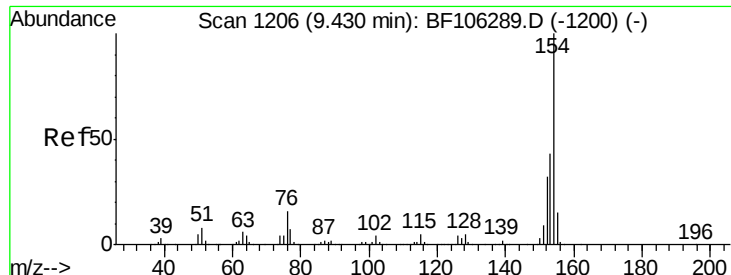
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#44  
 2-Fluorobiphenyl  
 Concen: 9.115 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 29.7  | 44.5  |
| 170     | 23.3  | 19.6  | 29.4  |





#45

1,1'-Biphenyl

Concen: 2.226 ng

RT: 9.43 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

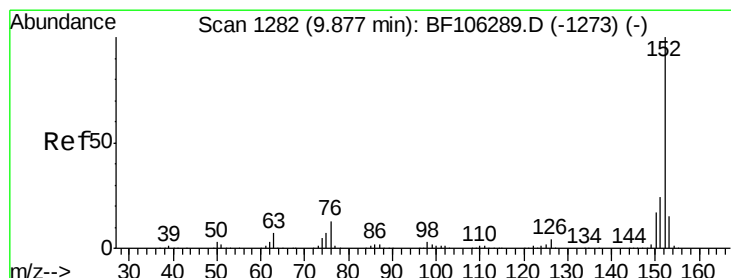
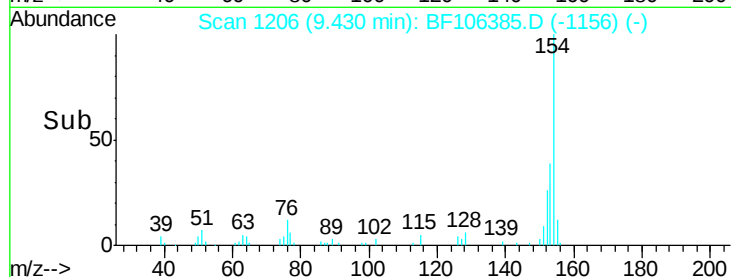
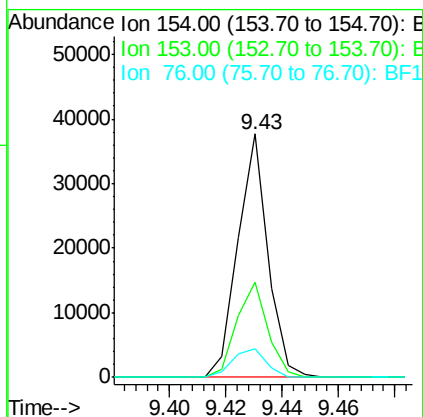
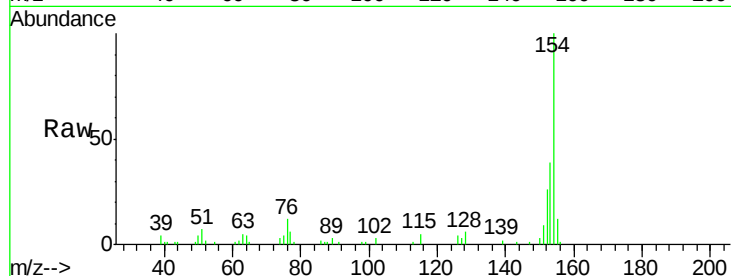
ClientSampled :

SB02-2\_E\_5DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 27705 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 39.0  | 21.3  | 61.3  |
| 76        | 11.7  | 0.0   | 34.0  |

Manual Integrations  
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#48

Acenaphthylene

Concen: 2.490 ng

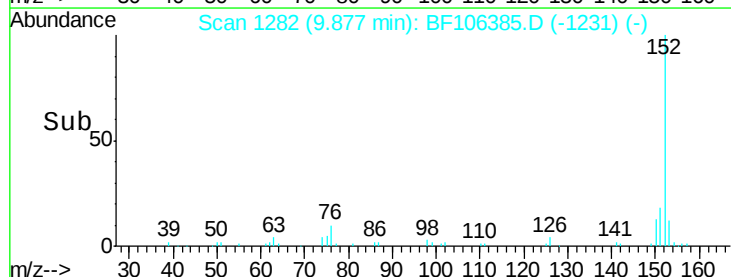
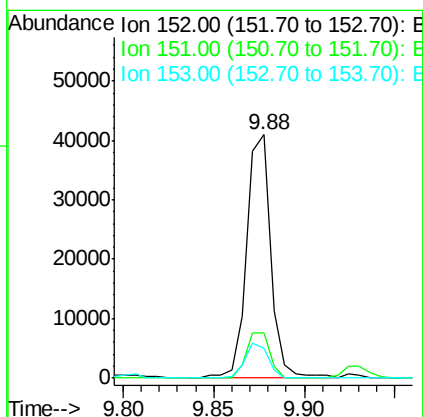
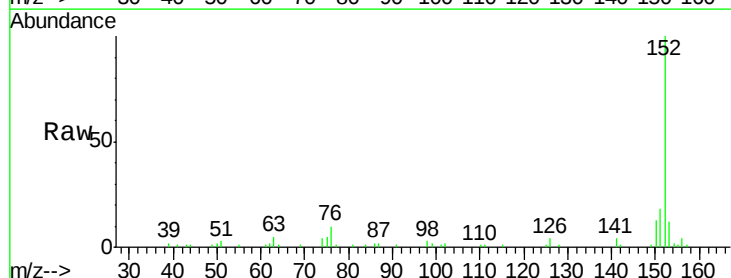
RT: 9.88 min Scan# 1282

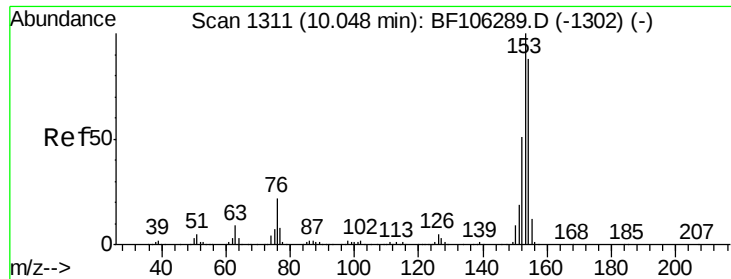
Delta R.T. -0.00 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 37955 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 18.4  | 16.3  | 24.5  |
| 153       | 12.4  | 10.7  | 16.1  |





#51

Acenaphthene

Concen: 6.480 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

ClientSampleId :

SB02-2\_E\_5DL

Tot Ion:154 Resp: 63792

Ion Ratio Lower Upper

154 100

153 108.6 91.2 136.8

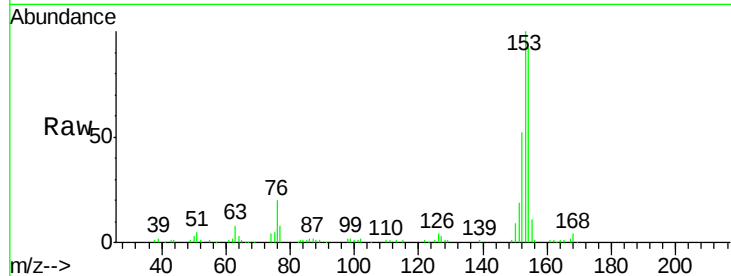
152 56.5 43.8 65.8

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Sohil

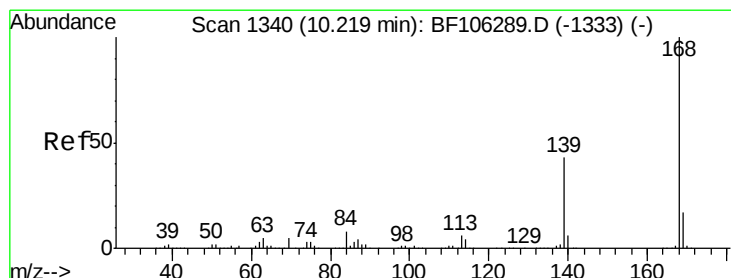
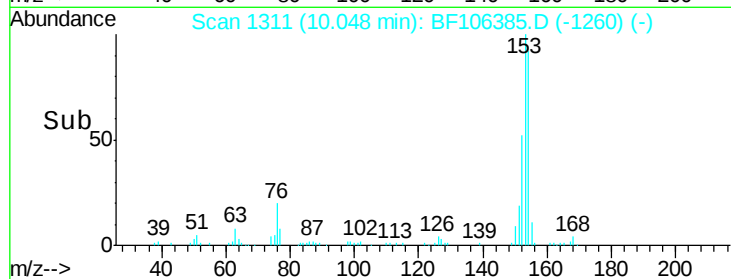
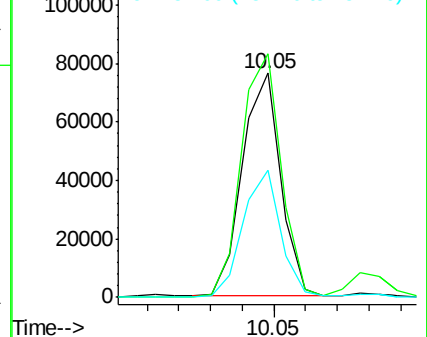
6/13/2018 4:56:48 PM



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: 3.955 ng

RT: 10.22 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

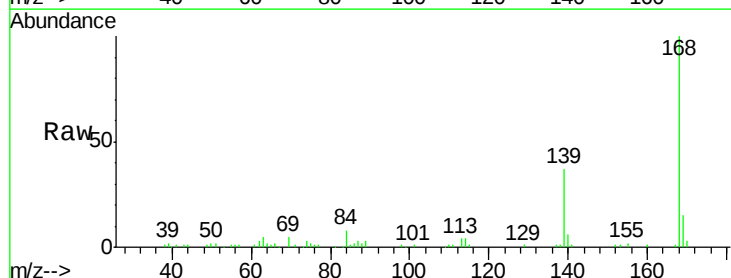
Tgt Ion:168 Resp: 52429

Ion Ratio Lower Upper

168 100

139 36.6 30.1 45.1

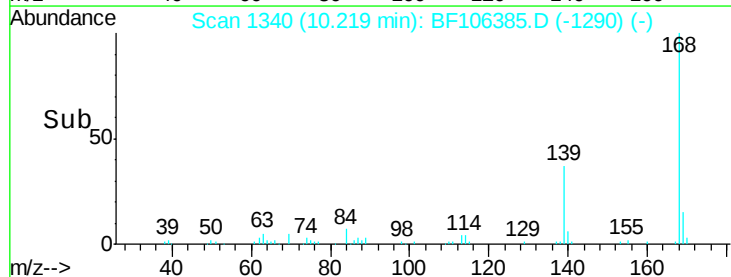
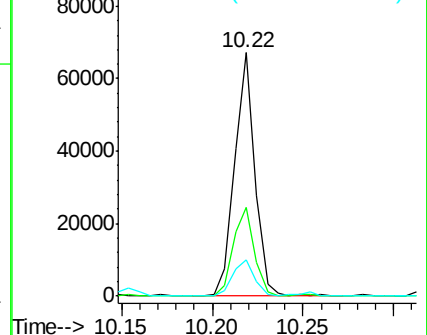
169 14.8 10.9 16.3

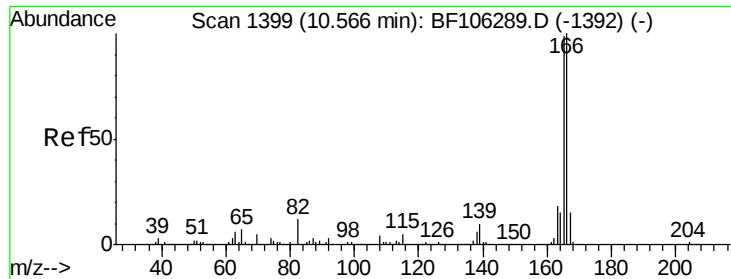


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





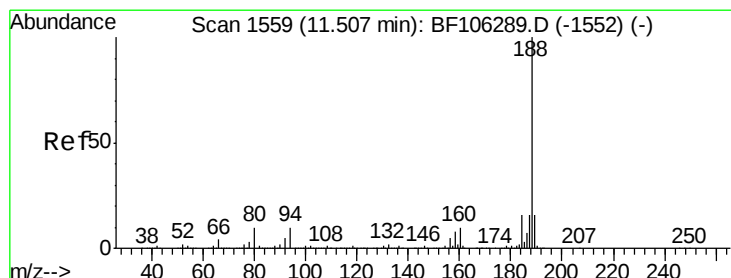
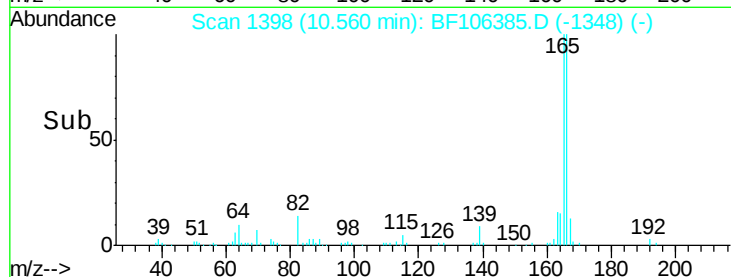
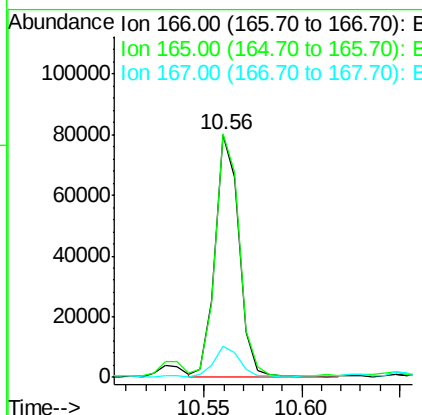
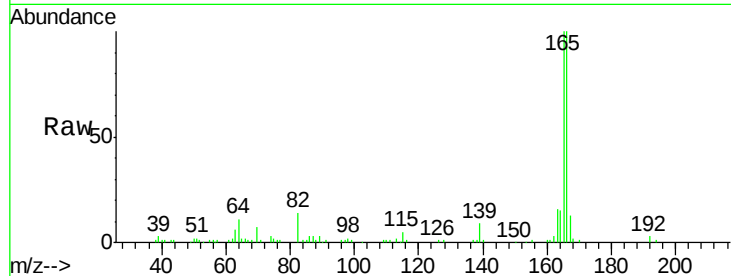
#57  
 Fluorene  
 Concen: 6.546 ng  
 RT: 10.56 min Scan# 1398  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.3 | 79.8  | 119.8 |
| 167     | 12.8  | 10.6  | 16.0  |

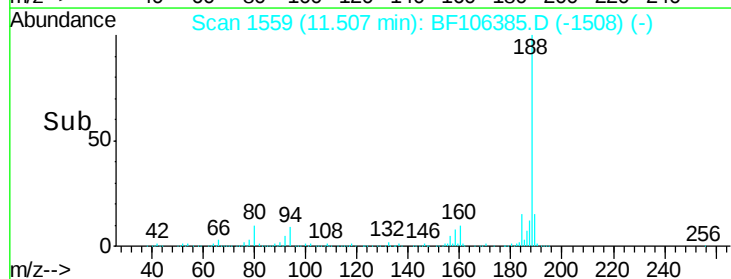
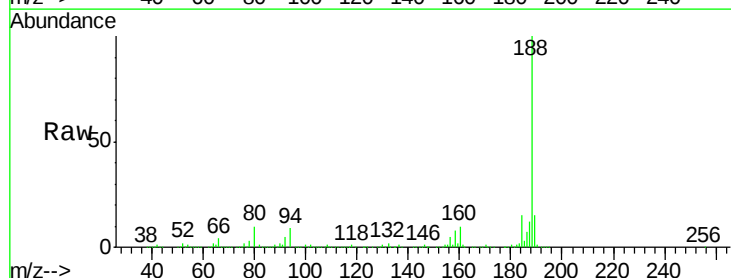
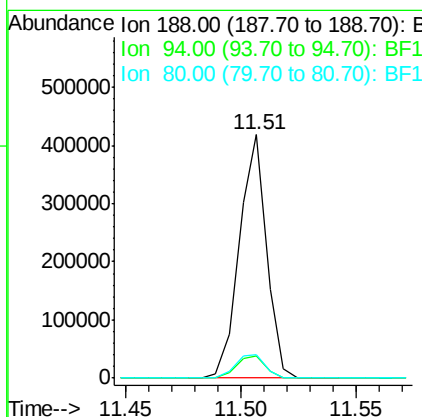
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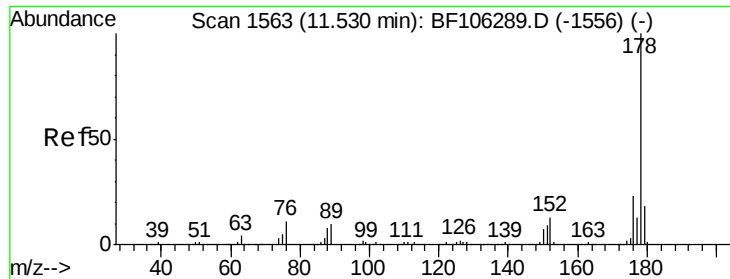
Sohil  
 6/13/2018 4:56:48 PM



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1559  
 Delta R.T. -0.00 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 8.5   | 12.7  |
| 80      | 9.8   | 9.2   | 13.8  |





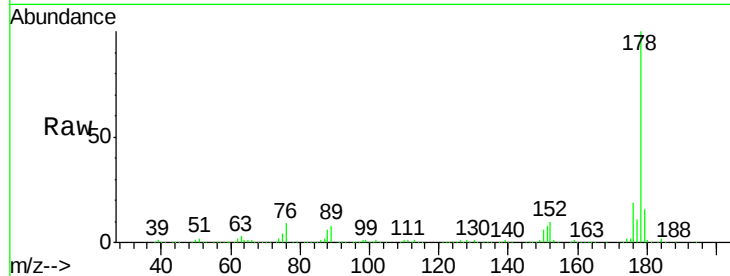
#70  
Phenanthrene  
Concen: 17.135 ng  
RT: 11.53 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

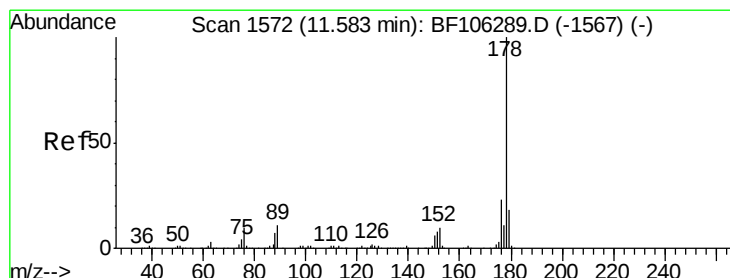
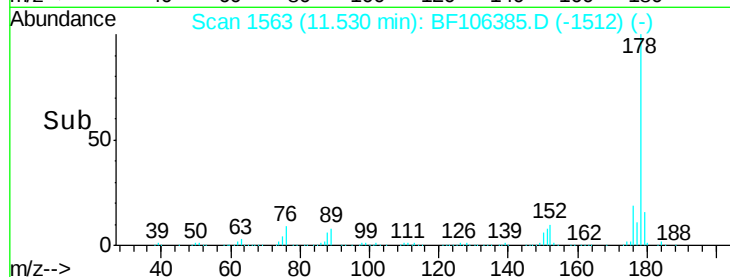
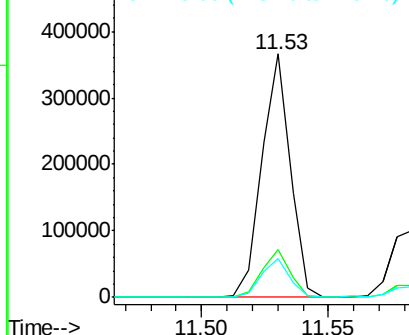
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.8  | 23.8  |
| 179     | 15.8  | 13.0  | 19.6  |

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6/13/2018 4:56:48 PM



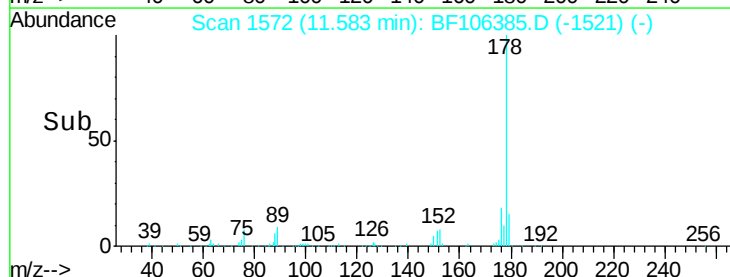
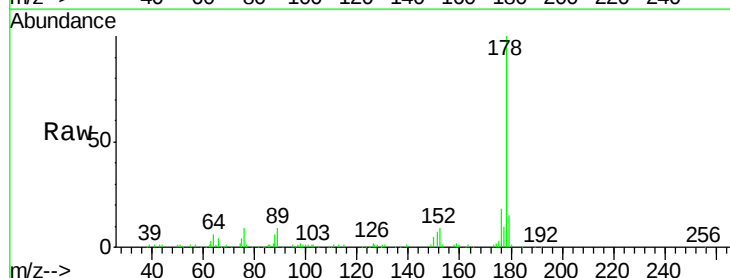
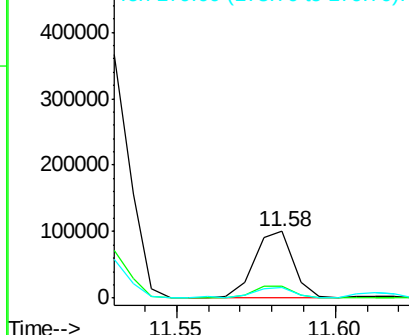
Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

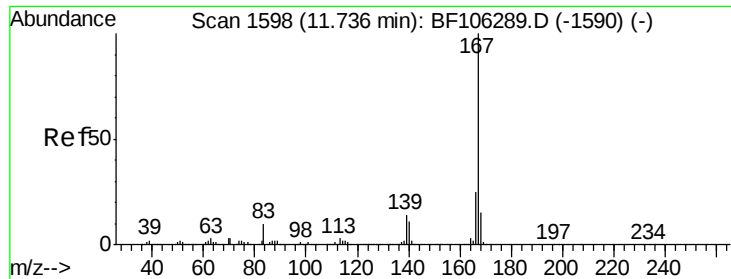


#71  
Anthracene  
Concen: 5.019 ng  
RT: 11.58 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.7  | 15.4  | 23.2  |
| 179     | 15.1  | 12.6  | 19.0  |

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





#72

Carbazole

Concen: 3.708 ng

RT: 11.74 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

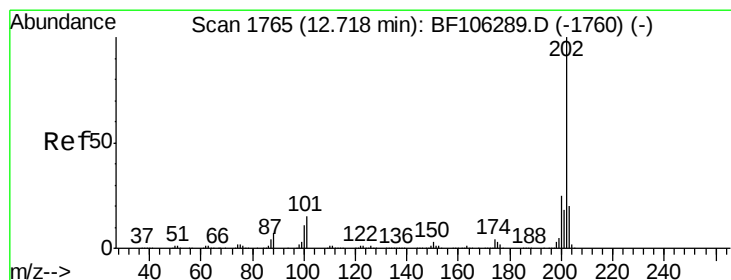
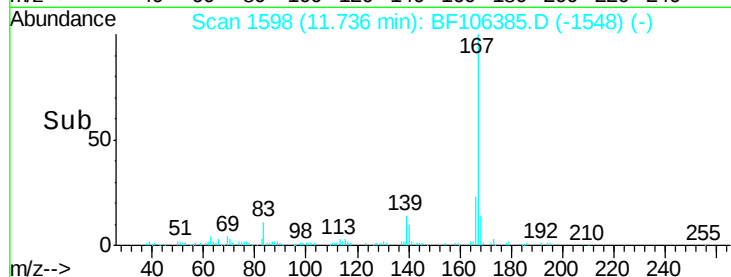
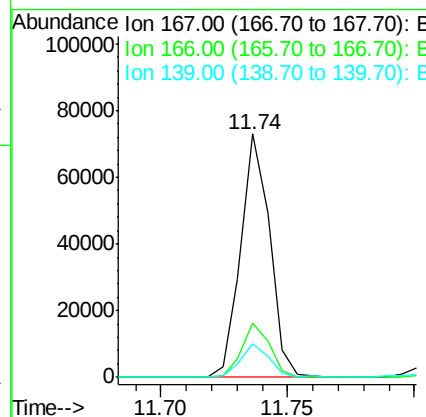
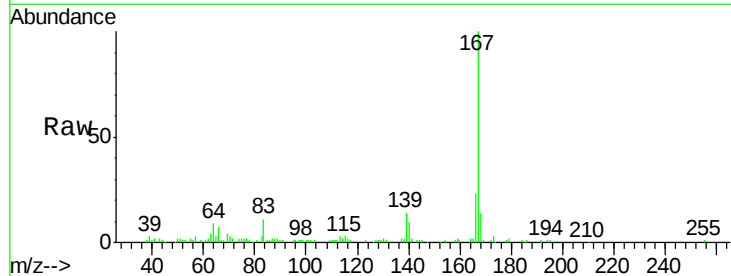
ClientSampleId :

SB02-2\_E\_5DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 57809 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.5  | 17.6  | 26.4  |
| 139       | 13.7  | 10.9  | 16.3  |

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#74

Fluoranthene

Concen: 15.713 ng

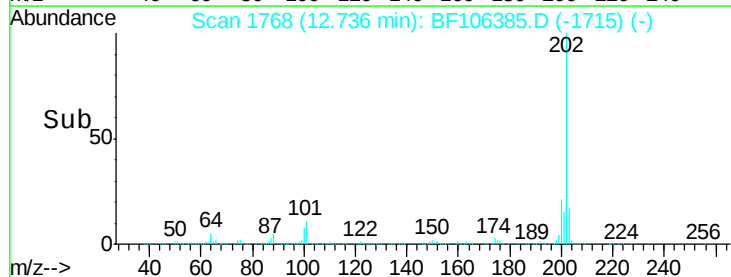
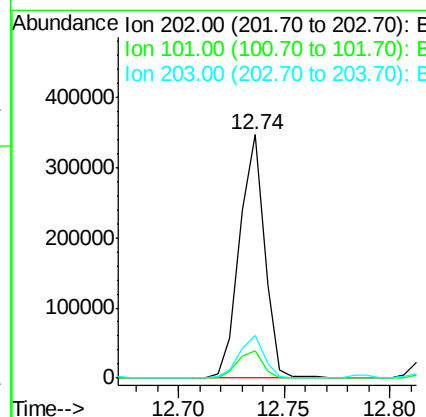
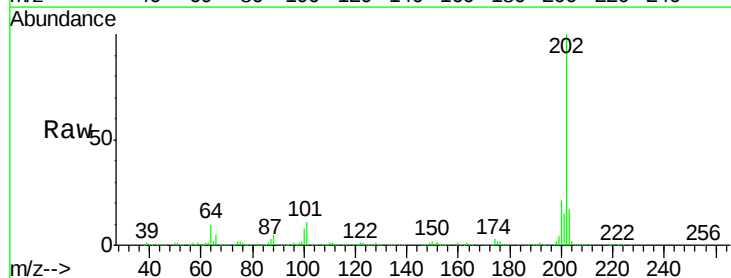
RT: 12.74 min Scan# 1768

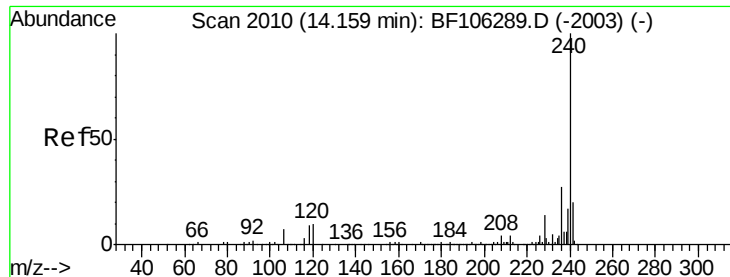
Delta R.T. 0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 282452 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.2  | 0.0   | 34.1   |
| 203       | 17.3  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

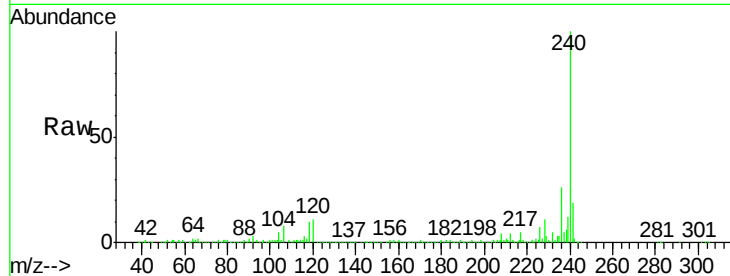
ClientSampleId :

SB02-2\_E\_5DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 351674 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.9  | 9.5   | 14.3   |
| 236       | 26.2  | 20.7  | 31.1   |

Manual Integrations  
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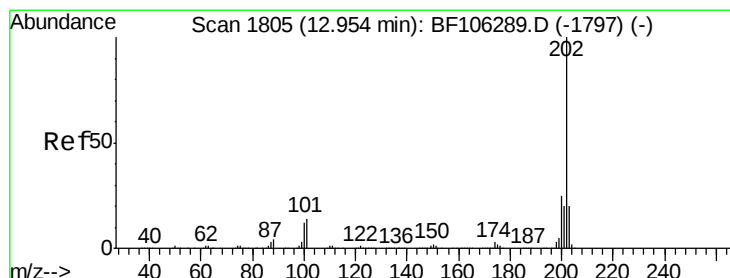
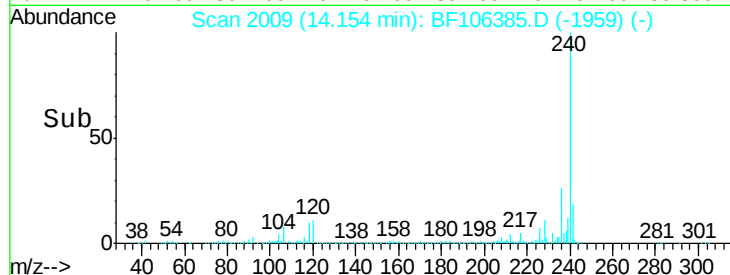
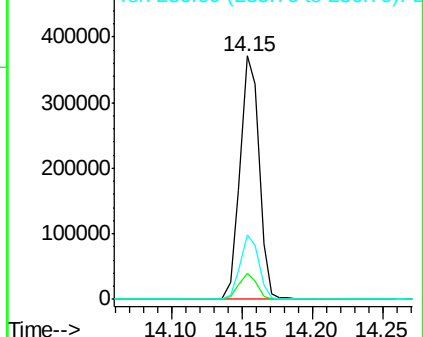
Sohil  
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.025 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF106385.D

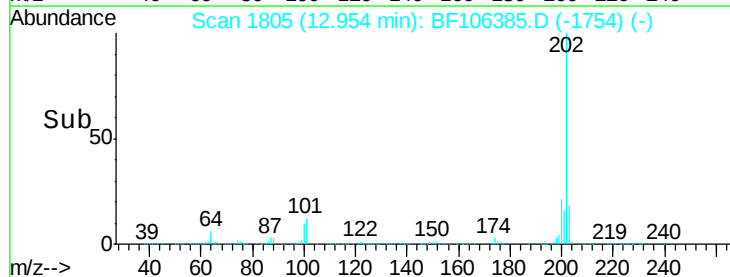
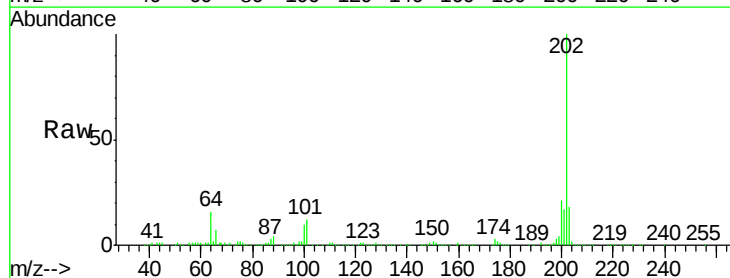
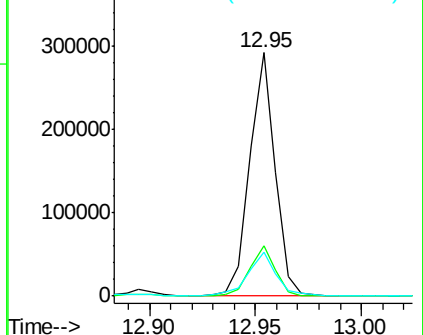
Acq: 13 Jun 2018 10:38

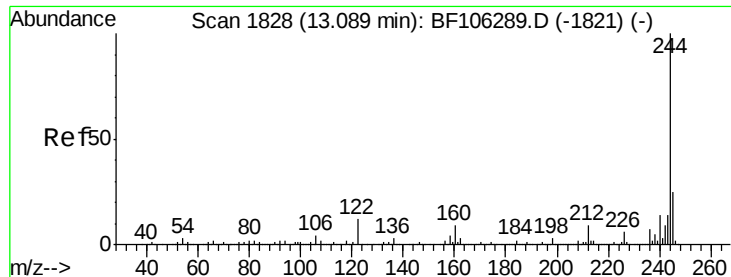
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 242727 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.9  | 17.4  | 26.2   |
| 203       | 18.1  | 14.3  | 21.5   |

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





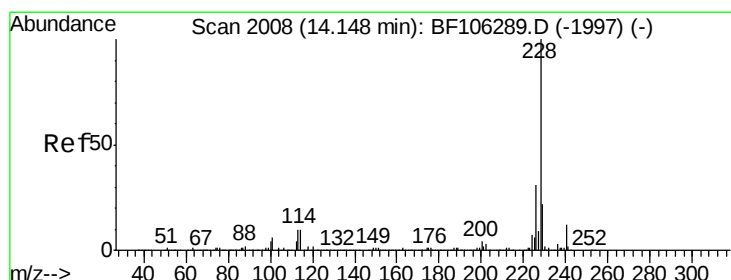
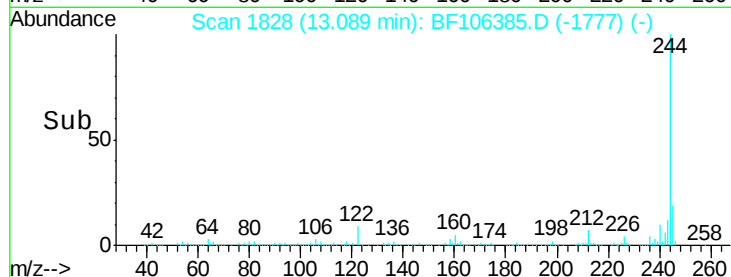
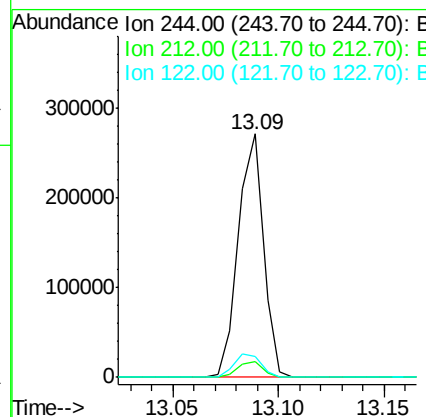
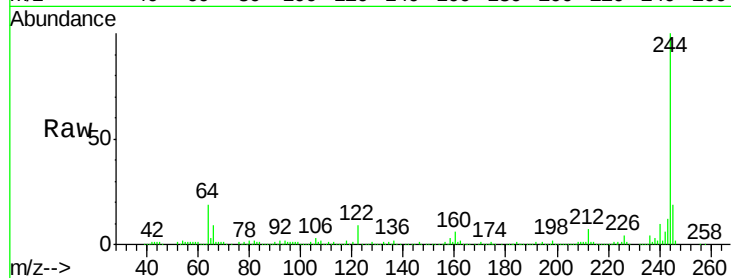
#78  
 Terphenyl-d14  
 Concen: 15.758 ng  
 RT: 13.09 min Scan# 1828  
 Delta R.T. -0.00 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.5   | 5.4   | 8.0   |
| 122     | 8.6   | 11.0  | 16.4  |

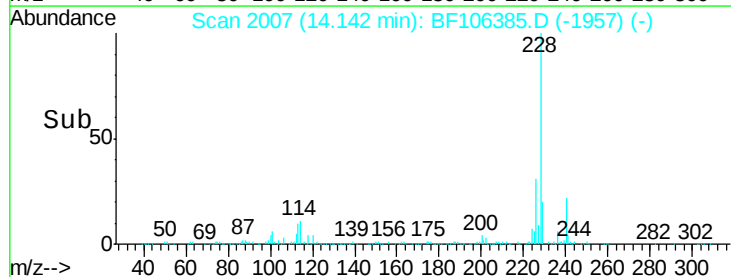
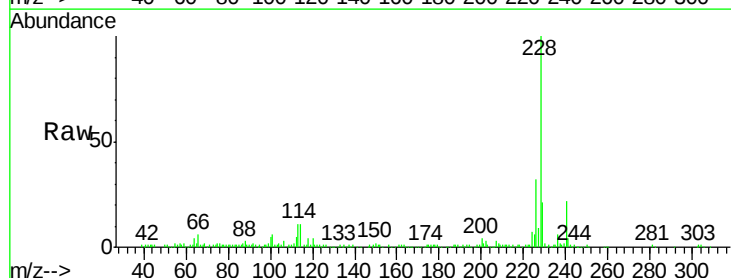
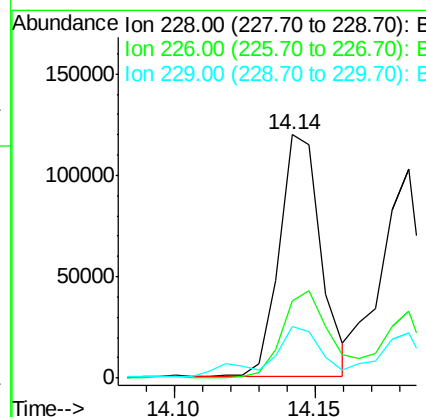
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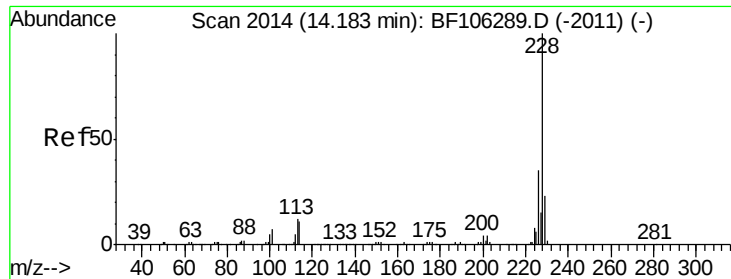
Sohil  
 6/13/2018 4:56:48 PM



#80  
 Benzo(a)anthracene  
 Concen: 5.867 ng  
 RT: 14.14 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF106385.D  
 Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.6  | 22.6  | 33.8  |
| 229     | 21.1  | 15.8  | 23.6  |





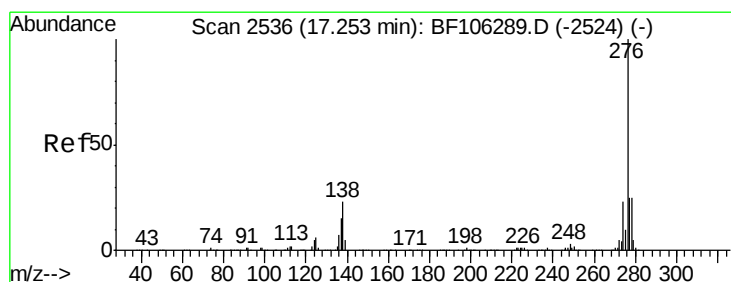
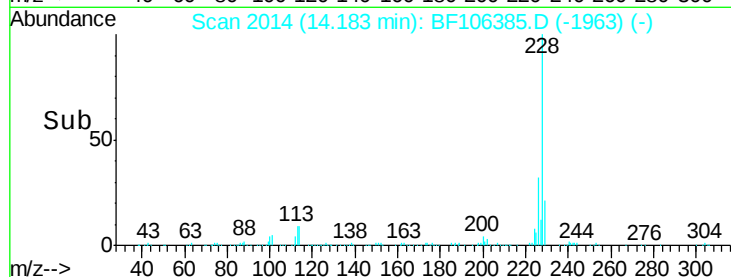
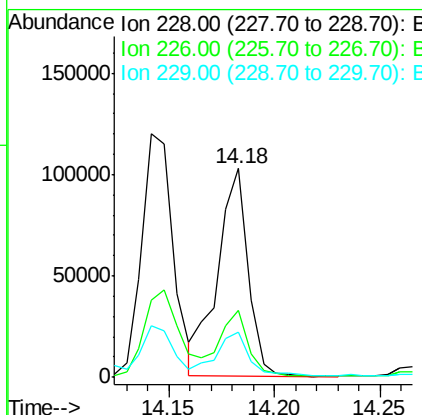
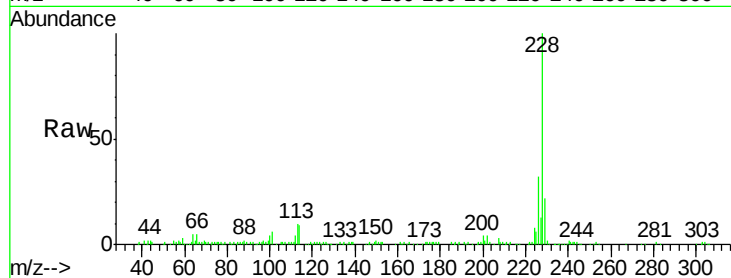
#82  
Chrysene  
Concen: 5.374 ng  
RT: 14.18 min Scan# 2014  
Delta R.T. -0.00 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.3  | 25.0  | 37.6  |
| 229     | 21.9  | 16.2  | 24.4  |

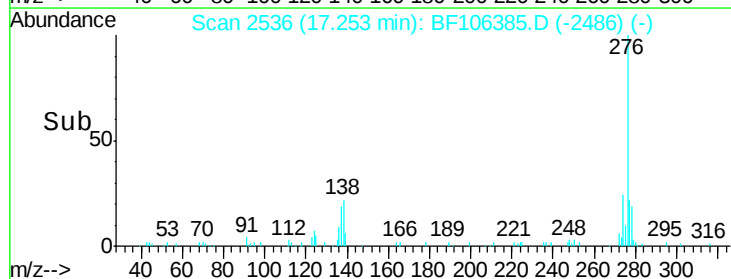
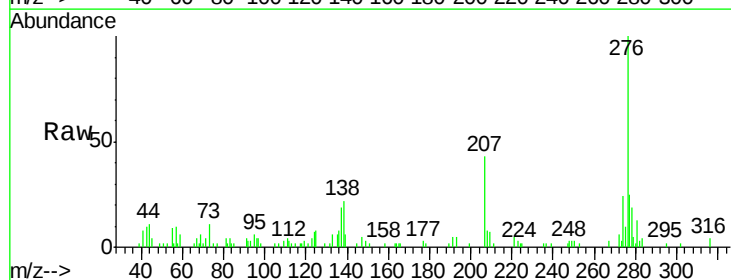
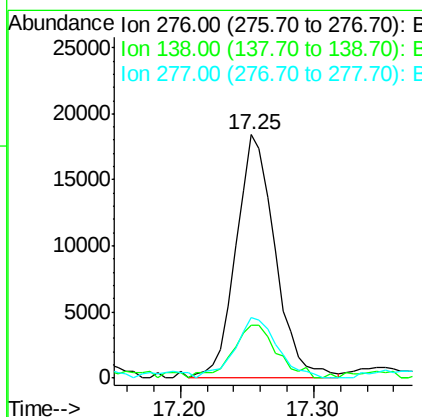
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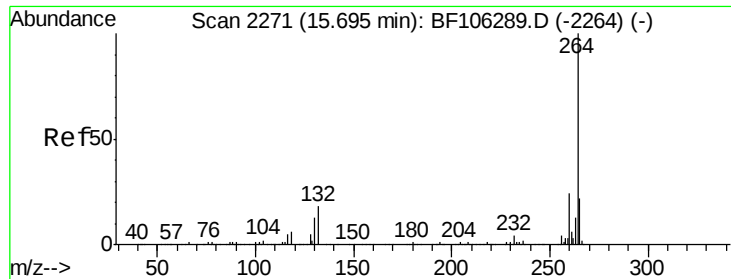
Sohil  
6/13/2018 4:56:48 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.450 ng  
RT: 17.25 min Scan# 2536  
Delta R.T. -0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.6  | 25.0  | 37.6# |
| 277     | 27.0  | 20.1  | 30.1  |





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

Instrument :

BNA\_F

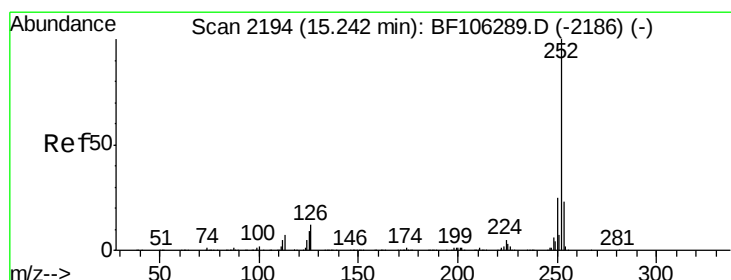
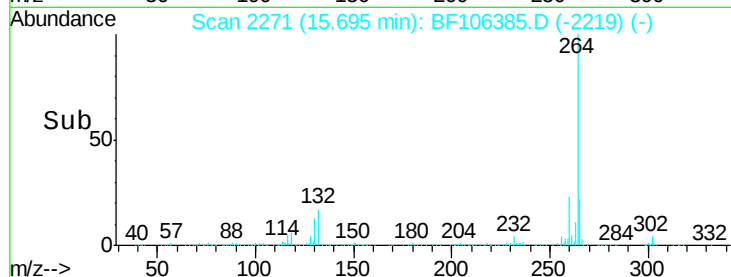
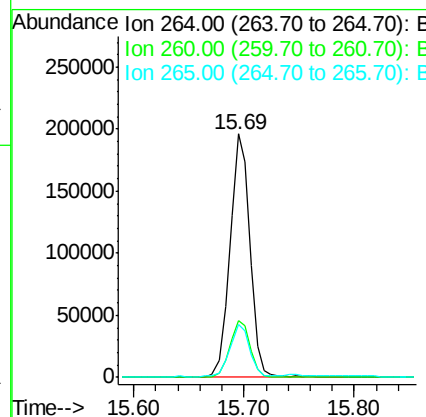
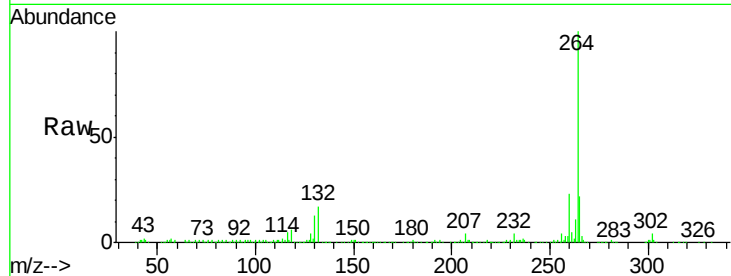
ClientSampleId :

SB02-2\_E\_5DL

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 249000 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.2 | 19.2  | 28.8   |
| 265       | 21.7 | 17.5  | 26.3   |

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#87

Benzo(b)fluoranthene

Concen: 6.868 ng m

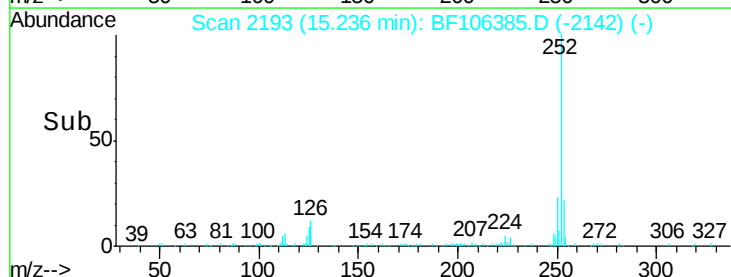
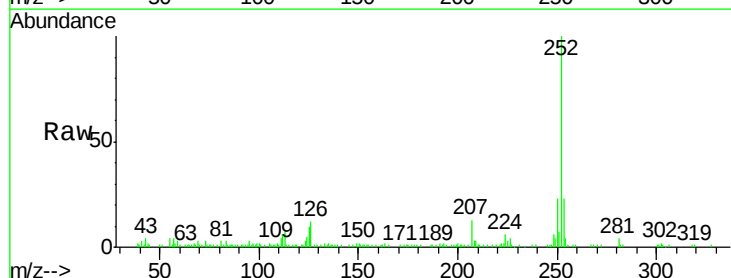
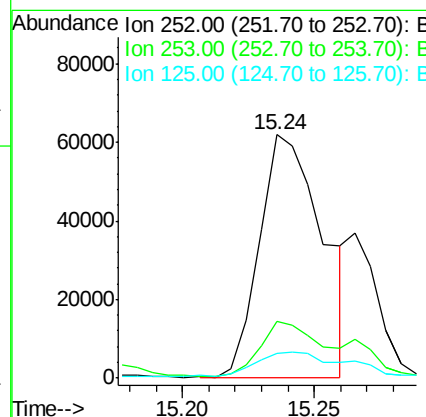
RT: 15.24 min Scan# 2193

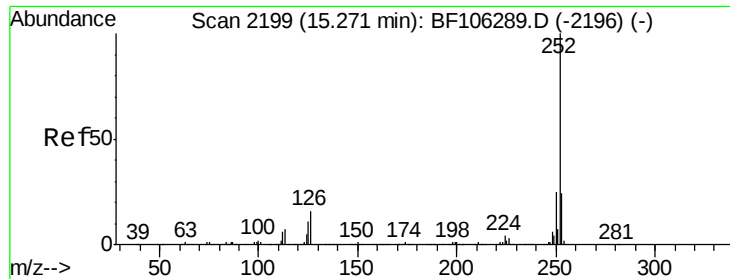
Delta R.T. -0.00 min

Lab File: BF106385.D

Acq: 13 Jun 2018 10:38

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 103368 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 23.1 | 17.0  | 25.6   |
| 125       | 10.1 | 9.0   | 13.6   |





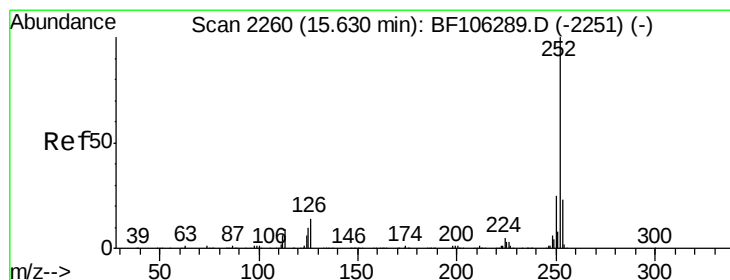
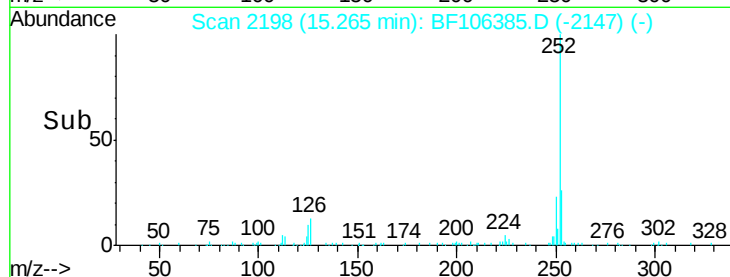
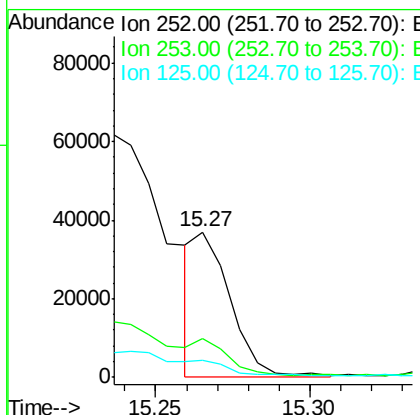
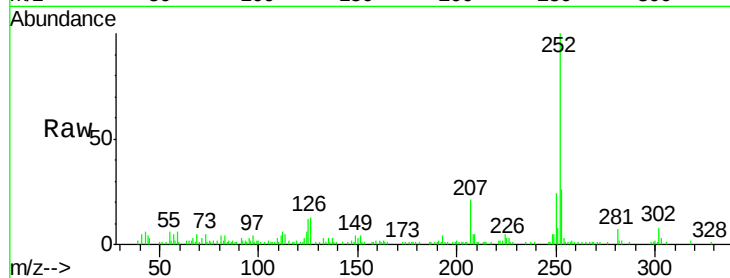
#88  
Benzo(k)fluoranthene  
Concen: 2.010 ng  
RT: 15.27 min Scan# 2198  
Delta R.T. -0.00 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.4  | 17.9  | 26.9  |
| 125     | 11.9  | 10.2  | 15.2  |

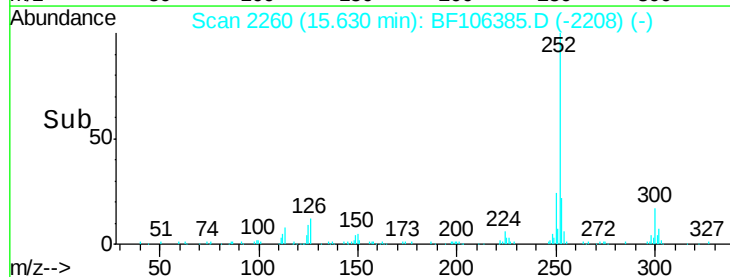
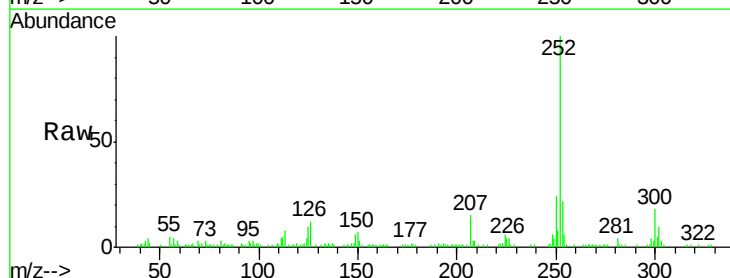
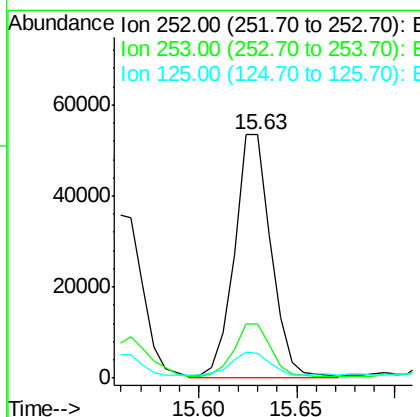
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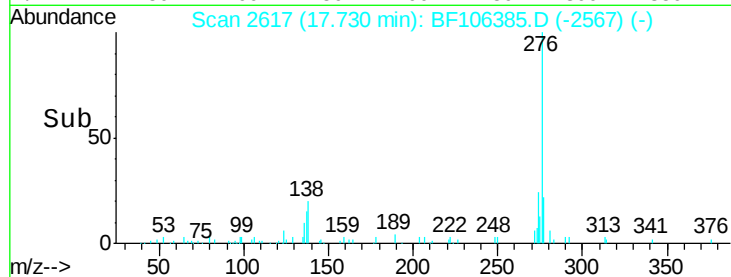
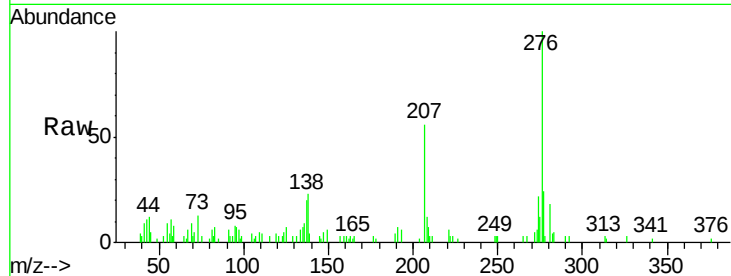
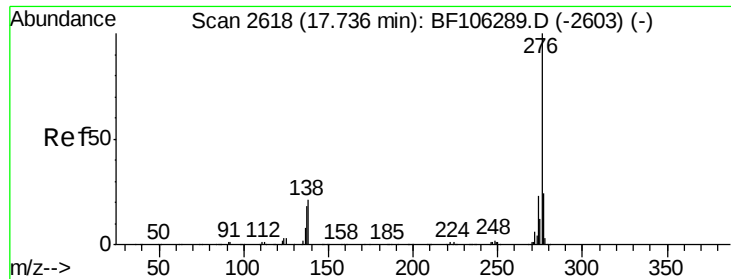
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#89  
Benzo(a)pyrene  
Concen: 5.172 ng  
RT: 15.63 min Scan# 2260  
Delta R.T. 0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.1  | 25.7  |
| 125     | 10.3  | 9.8   | 14.6  |





#91  
Benzo(a,h,i)perylene  
Concen: 3.063 ng  
RT: 17.73 min Scan# 2617  
Delta R.T. -0.01 min  
Lab File: BF106385.D  
Acq: 13 Jun 2018 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
SB02-2\_E\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 17.9  | 26.9  |
| 138     | 23.5  | 21.8  | 32.8  |

Manual Integrations  
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