

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\  
 Data File : BF103959.D  
 Acq On : 27 Mar 2018 7:15  
 Operator : JU/SJ  
 Sample : J1996-04DL 10X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2 SB43 BOT-SE 5DL

Manual Integrations  
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 3/27/2018 2:16:15 PM

Quant Time: Mar 27 09:00:10 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 143834   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 579904   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 261321   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.51 | 188  | 411577   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.16 | 240  | 270310   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.71 | 264  | 263074   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 14786    | 1.56   | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 19767    | 1.71   | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 11049    | 1.33   | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 4026     | 1.79   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 22411    | 1.37   | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 18673    | 1.60   | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.27  | 128  | 195409   | 6.671  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.97  | 142  | 45585    | 2.454  | ng    | 98       |
| 48) Acenaphthylene          | 9.87  | 152  | 291213   | 10.851 | ng    | 99       |
| 54) Dibenzofuran            | 10.22 | 168  | 56626    | 2.488  | ng    | 95       |
| 57) Fluorene                | 10.56 | 166  | 84929    | 4.809  | ng    | 98       |
| 70) Phenanthrene            | 11.53 | 178  | 537045   | 23.854 | ng    | 99       |
| 71) Anthracene              | 11.59 | 178  | 197047   | 8.617  | ng    | 97       |
| 74) Fluoranthene            | 12.73 | 202  | 878647   | 37.881 | ng    | 96       |
| 77) Pyrene                  | 12.96 | 202  | 874873   | 44.071 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.15 | 228  | 507332m  | 29.650 | ng    |          |
| 82) Chrysene                | 14.19 | 228  | 455096   | 27.902 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.29 | 276  | 314686   | 22.092 | ng    | # 91     |
| 87) Benzo(b)fluoranthene    | 15.26 | 252  | 657840m  | 39.580 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.28 | 252  | 245662m  | 15.376 | ng    |          |
| 89) Benzo(a)pyrene          | 15.64 | 252  | 529821   | 35.146 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 17.30 | 278  | 84303m   | 6.458  | ng    |          |
| 91) Benzo(a,h,i)perylene    | 17.78 | 276  | 293894   | 23.143 | ng    | 96       |

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

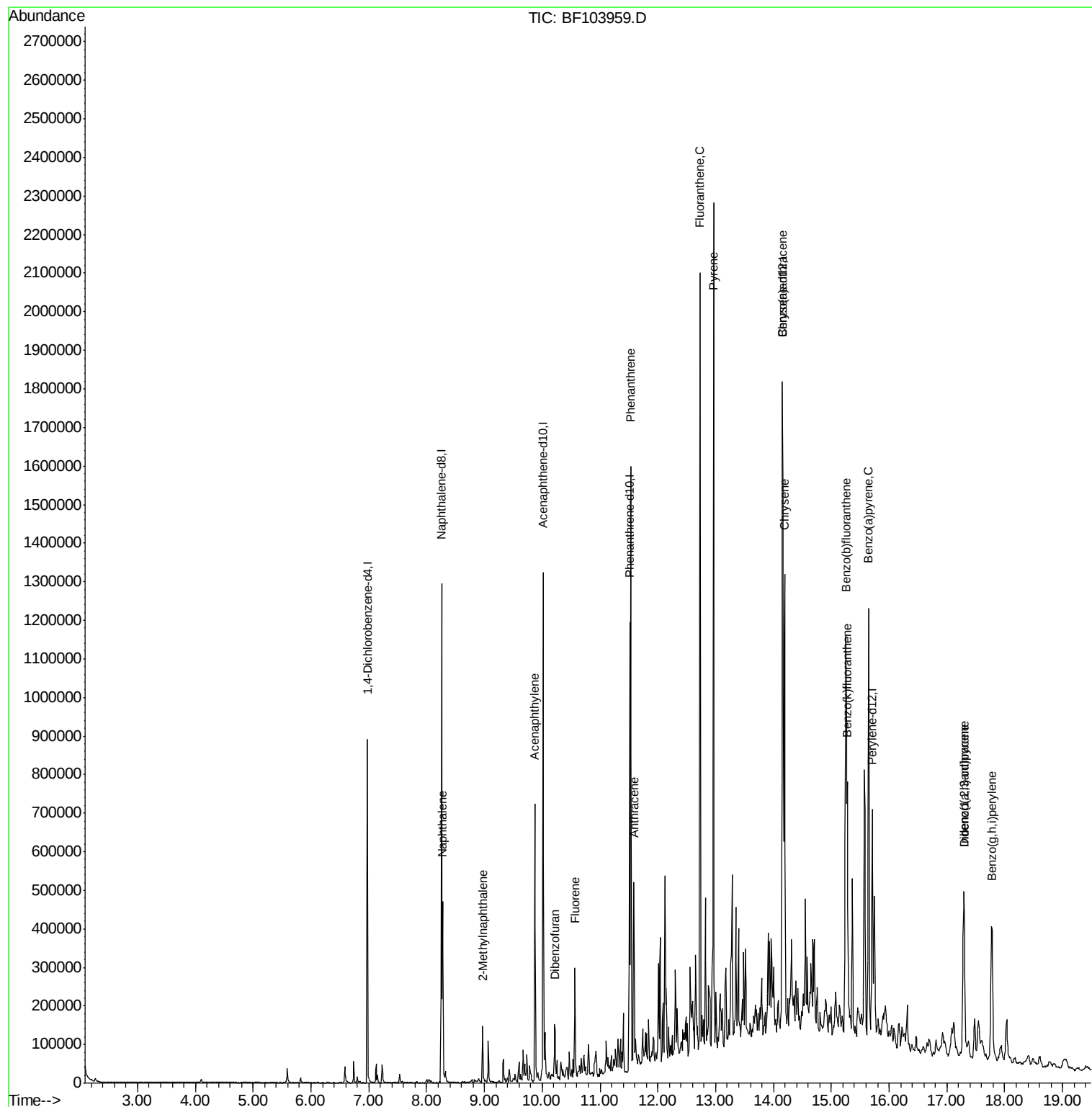
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\  
Data File : BF103959.D  
Acq On : 27 Mar 2018 7:15  
Operator : JU/SJ  
Sample : J1996-04DL 10X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

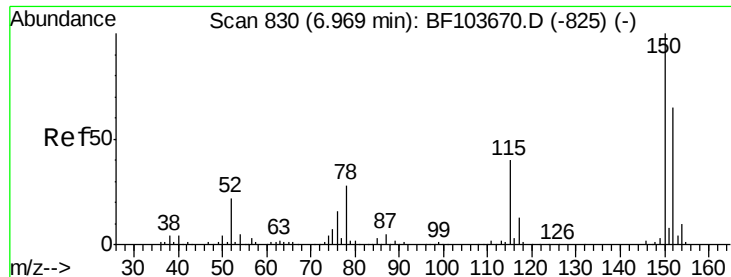
Instrument :  
BNA\_F  
ClientSampleId :  
A2 SB43 BOT-SE 5DL

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Quant Time: Mar 27 09:00:10 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 23 13:26:17 2018  
Response via : Initial Calibration





#1

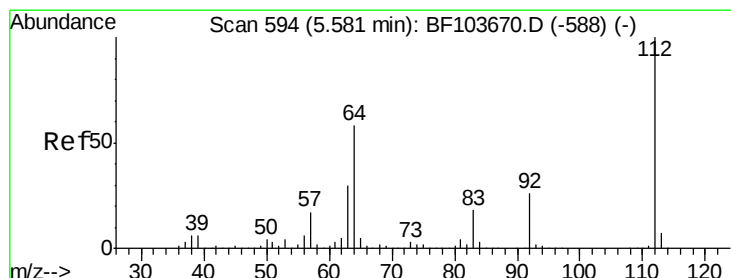
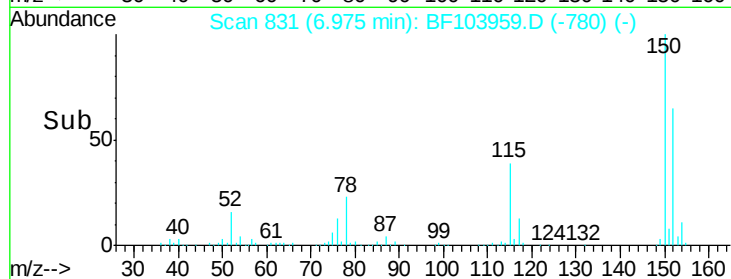
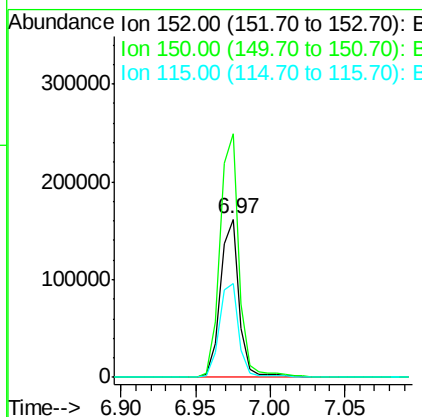
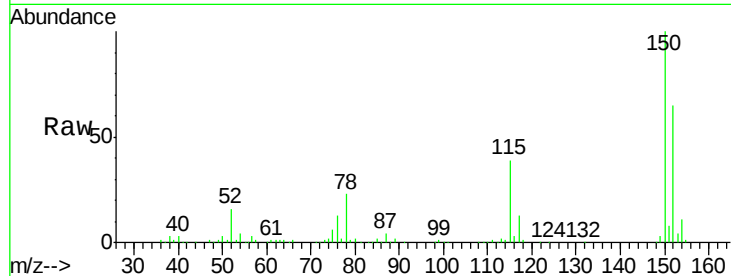
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 831  
 Delta R.T. 0.00 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 124.6 | 186.8 |
| 115     | 59.7  | 50.1  | 75.1  |

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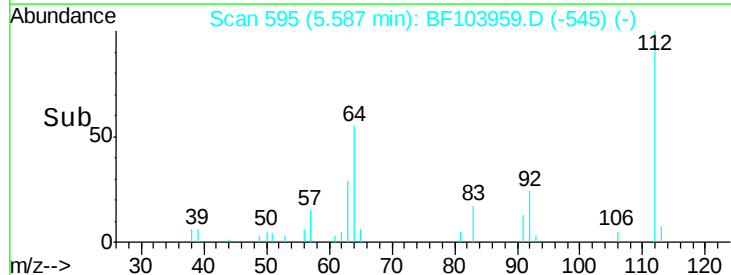
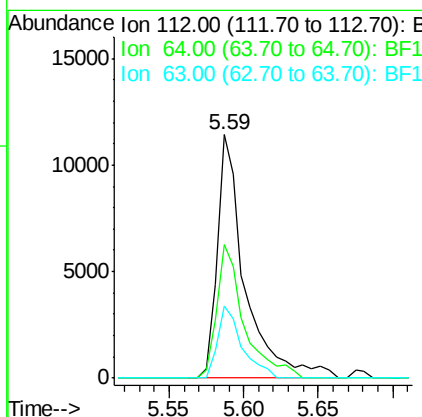
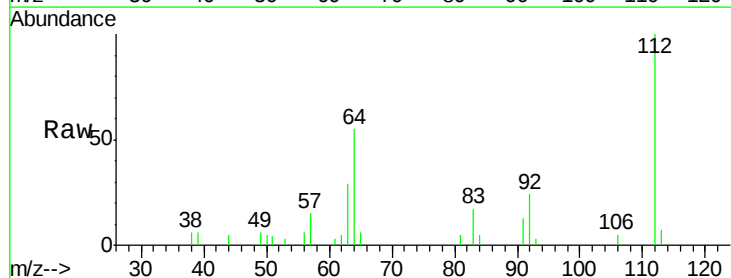
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#5

2-Fluorophenol  
 Concen: 1.564 ng  
 RT: 5.59 min Scan# 595  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.9  | 47.9  | 71.9  |
| 63      | 29.5  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 1.709 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103959.D

Acq: 27 Mar 2018 7:15

Instrument :

BNA\_F

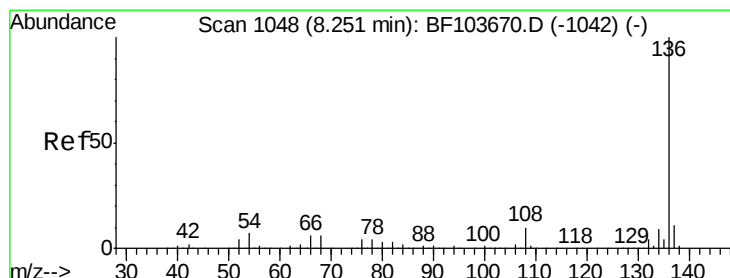
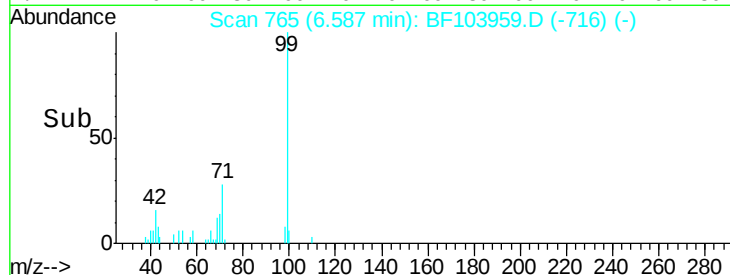
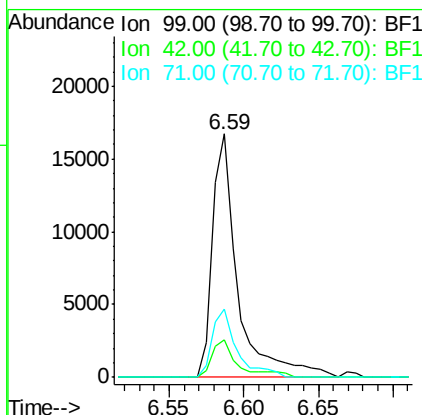
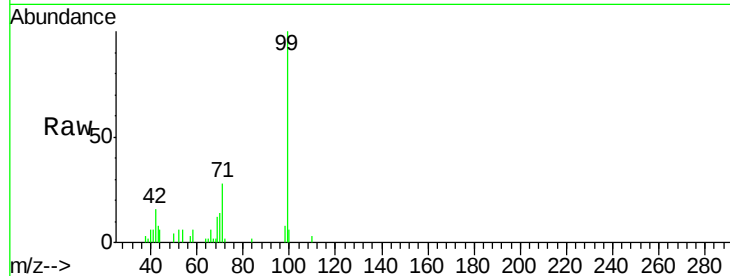
ClientSampleId :

A2\_SB43\_BOT-SE\_5DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 19767 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 15.6  | 14.5  | 21.7  |
| 71        | 27.9  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.000 ng

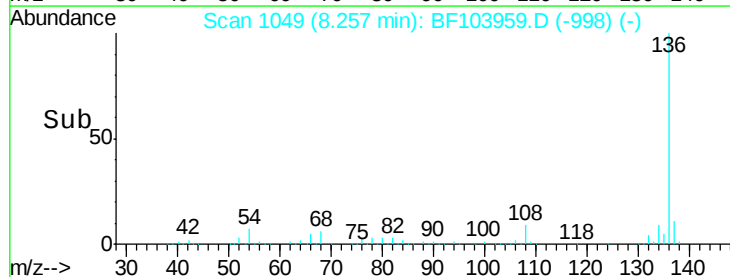
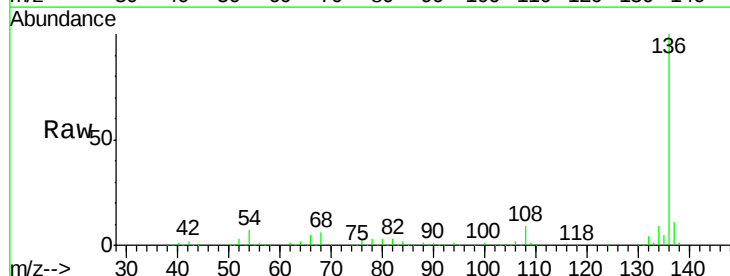
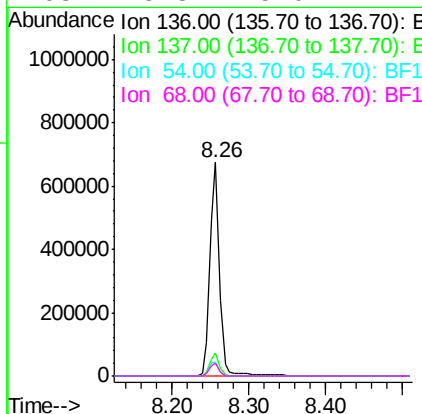
RT: 8.26 min Scan# 1049

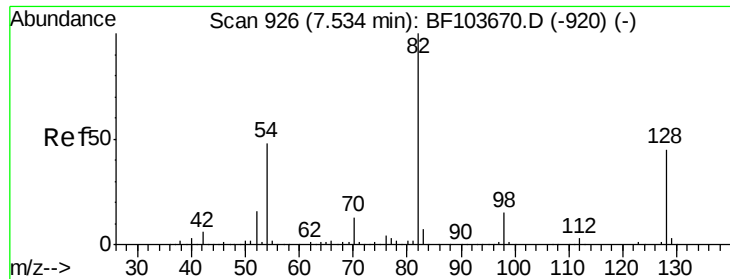
Delta R.T. -0.00 min

Lab File: BF103959.D

Acq: 27 Mar 2018 7:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 579904 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.9   | 13.3   |
| 54        | 6.7   | 6.6   | 9.8    |
| 68        | 5.8   | 5.0   | 7.4    |





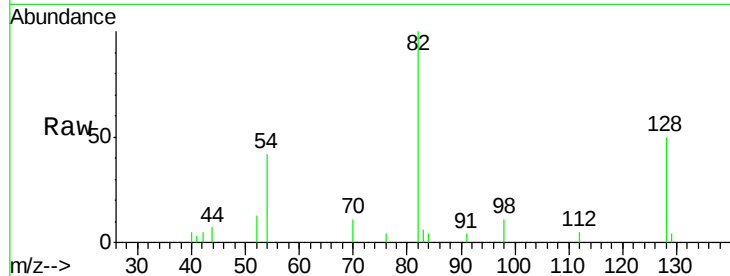
#23  
 Nitrobenzene-d5  
 Concen: 1.329 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_BOT-SE\_5DL

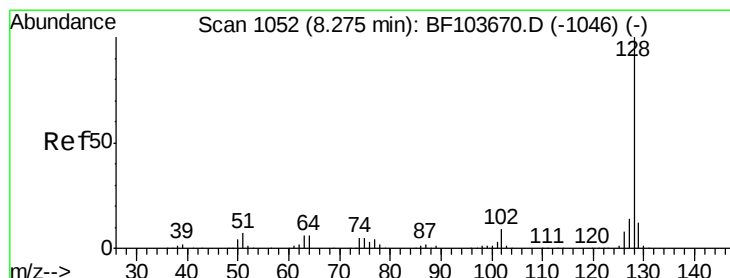
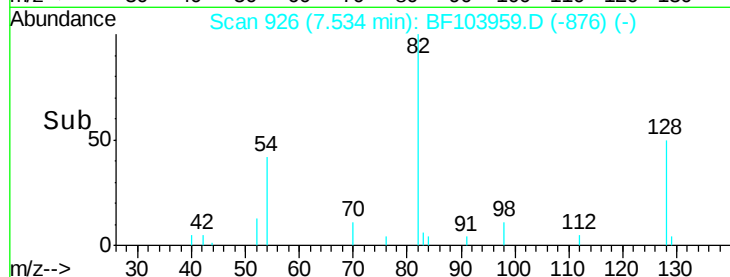
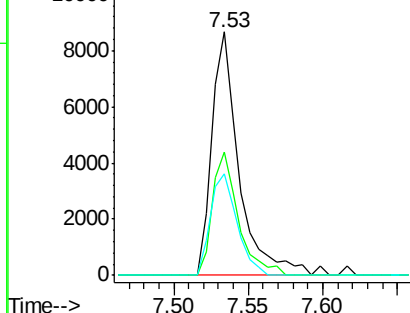
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.5  | 36.1  | 54.1  |
| 54      | 41.6  | 41.4  | 62.2  |

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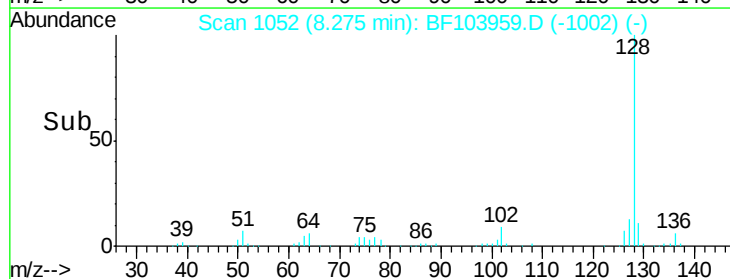
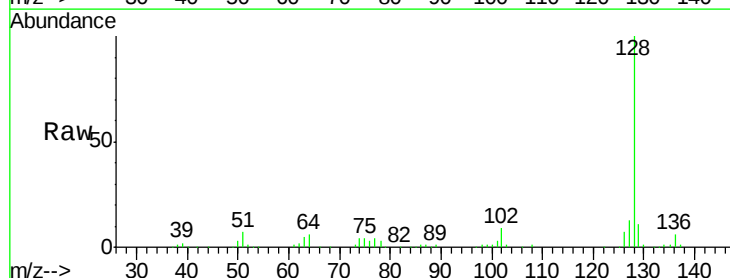
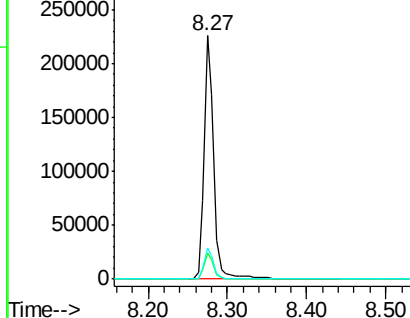
Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

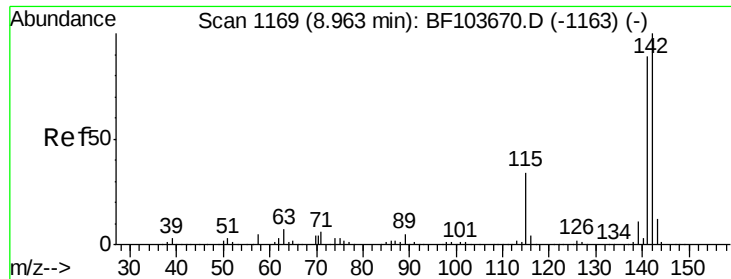


#31  
 Naphthalene  
 Concen: 6.671 ng  
 RT: 8.27 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.8   | 13.2  |
| 127     | 12.8  | 10.9  | 16.3  |

Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E





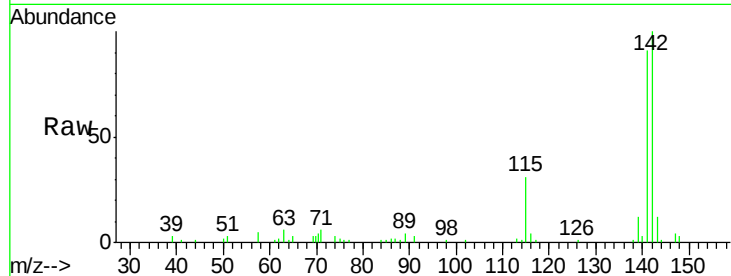
#37  
2-Methylnaphthalene  
Concen: 2.454 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. -0.00 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

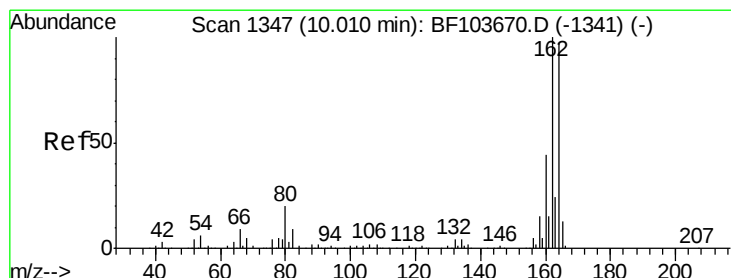
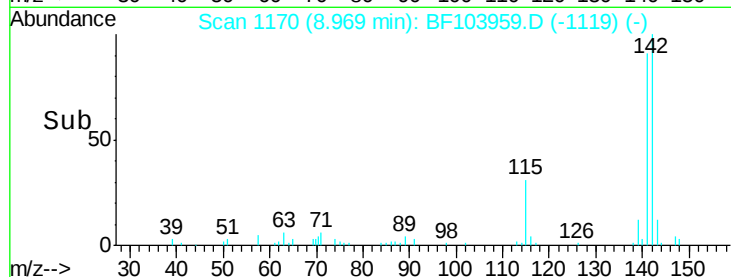
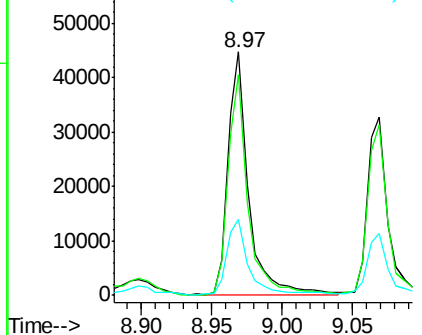
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 70.8  | 106.2 |
| 115     | 31.4  | 26.1  | 39.1  |

Manual Integrations  
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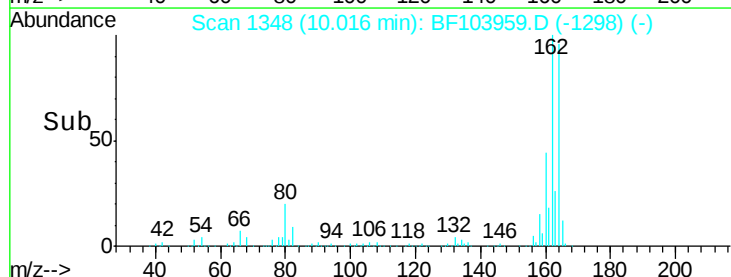
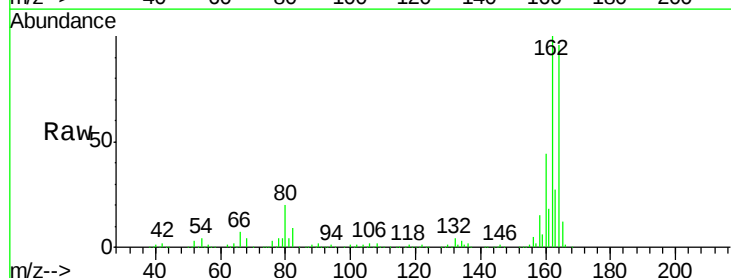
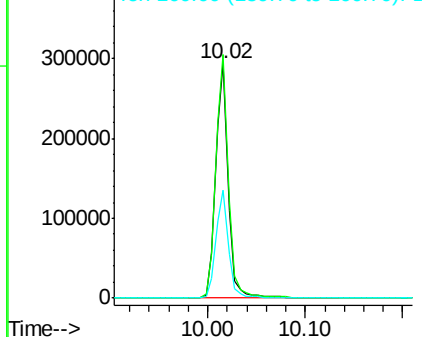
Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

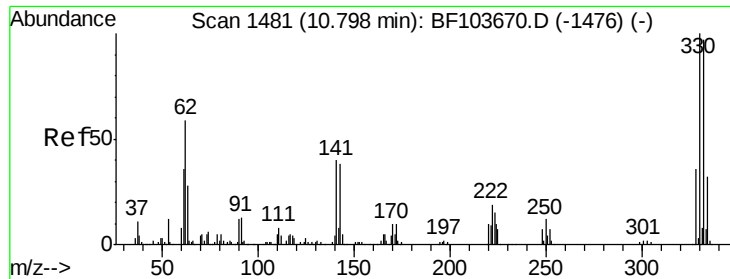


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 86.1  | 129.1 |
| 160     | 45.9  | 38.3  | 57.5  |

Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





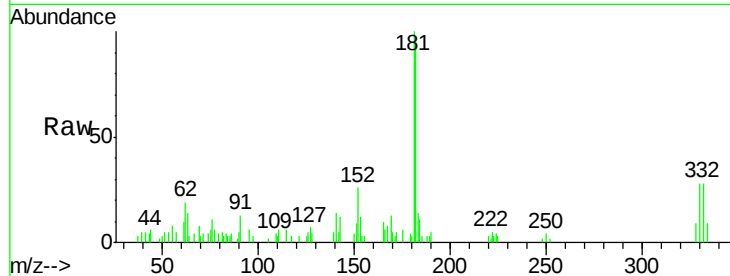
#41  
 2,4,6-Tribromophenol  
 Concen: 1.792 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_BOT-SE\_5DL

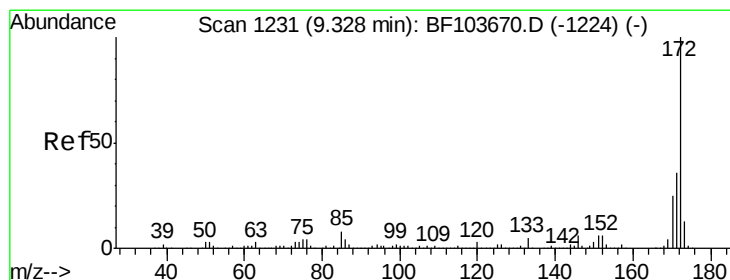
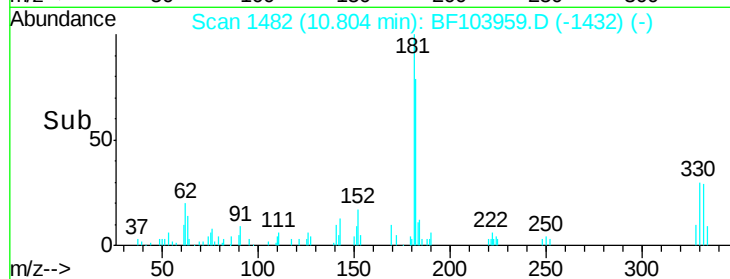
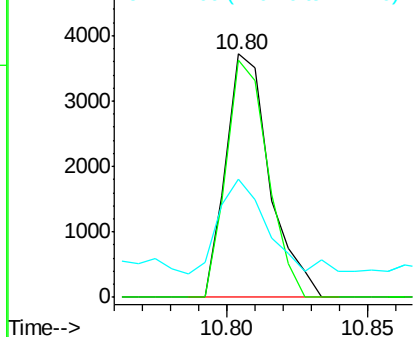
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 91.8  | 77.0  | 115.6 |
| 141     | 44.4  | 29.9  | 44.9  |

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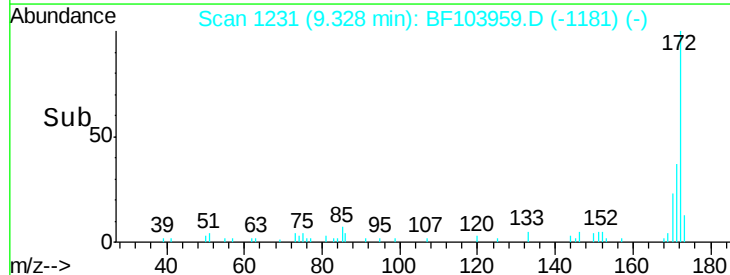
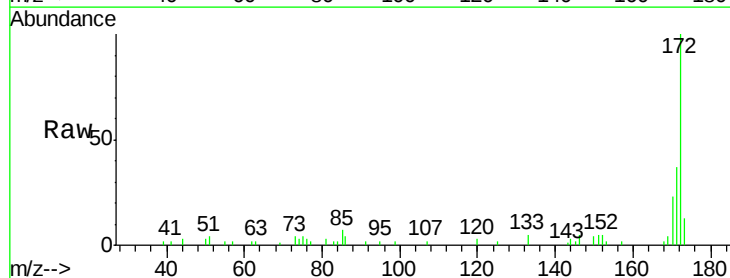
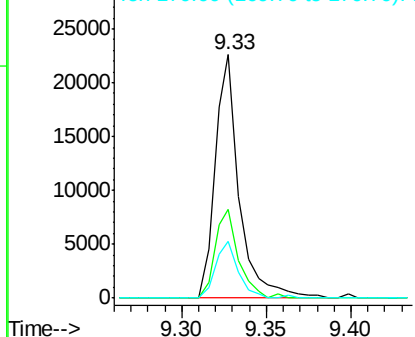
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

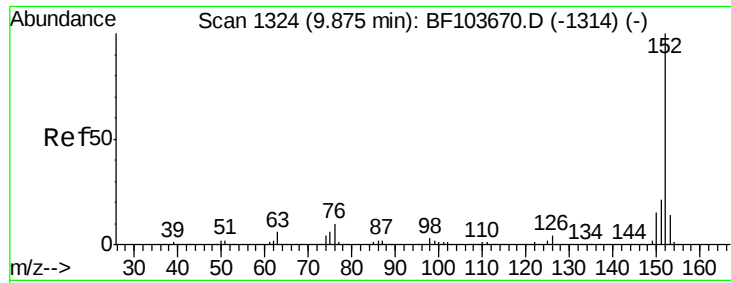


#44  
 2-Fluorobiphenyl  
 Concen: 1.368 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 23.4  | 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





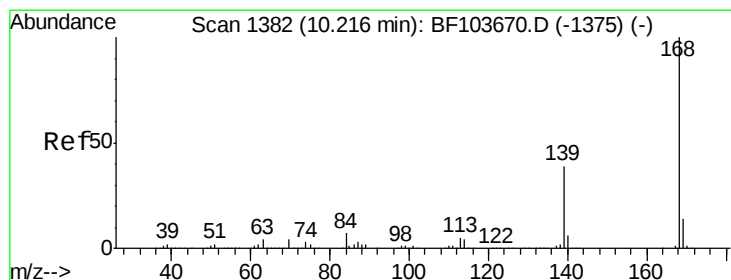
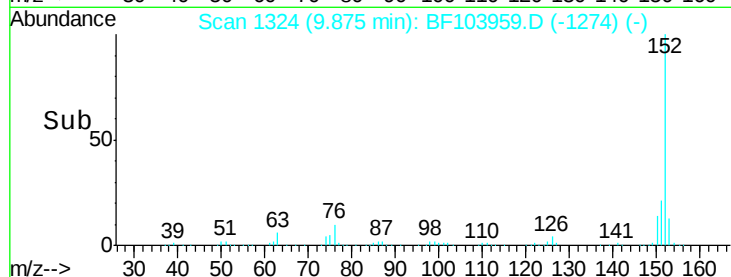
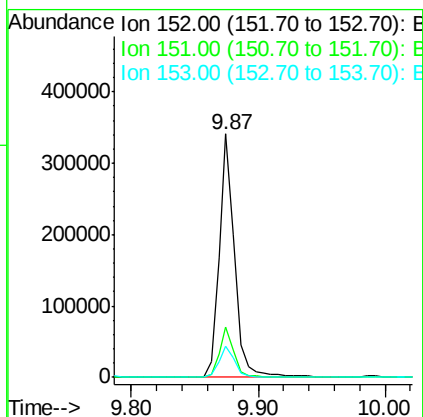
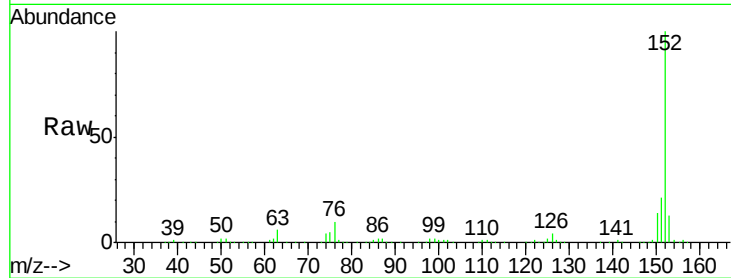
#48  
Acenaphthylene  
Concen: 10.851 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 16.3  | 24.5  |
| 153     | 13.0  | 10.7  | 16.1  |

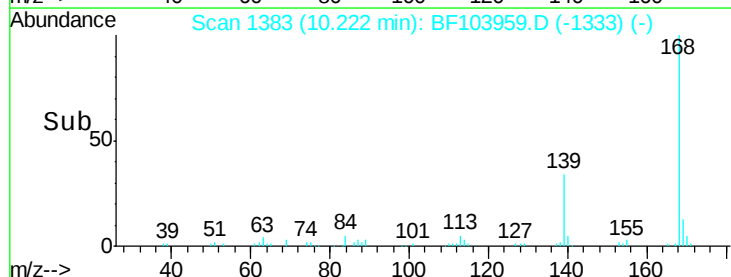
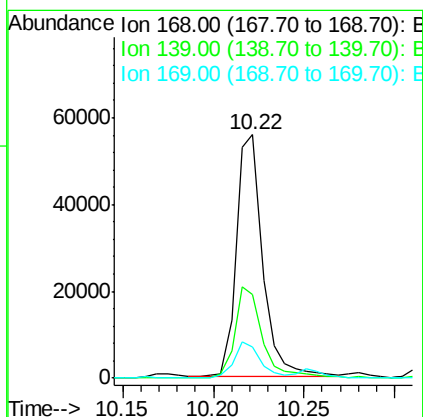
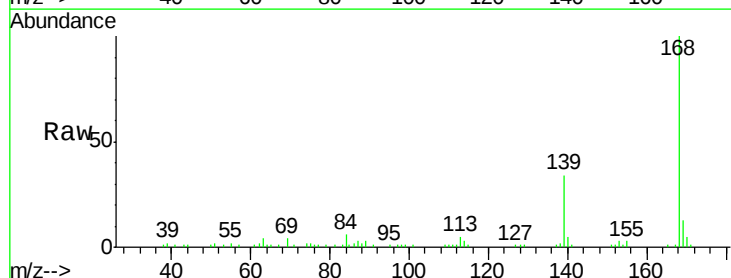
Manual Integrations  
APPROVED

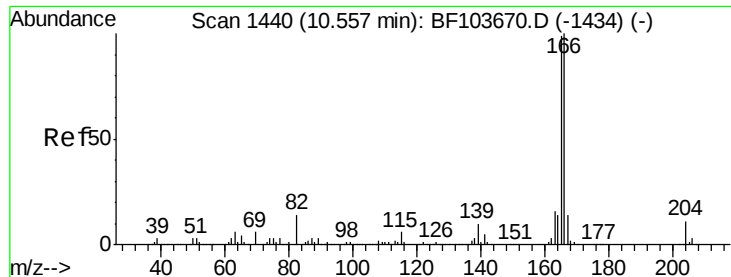
Sohil  
3/27/2018 2:16:15 PM



#54  
Dibenzofuran  
Concen: 2.488 ng  
RT: 10.22 min Scan# 1383  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 34.4  | 30.1  | 45.1  |
| 169     | 12.7  | 10.9  | 16.3  |





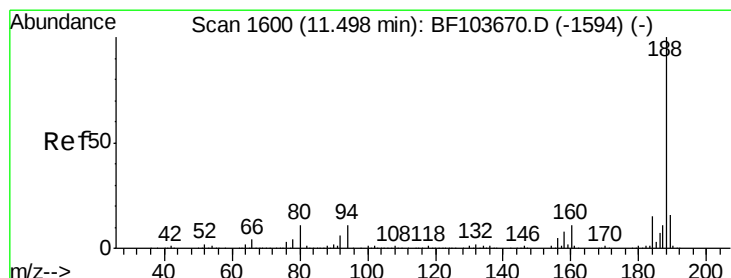
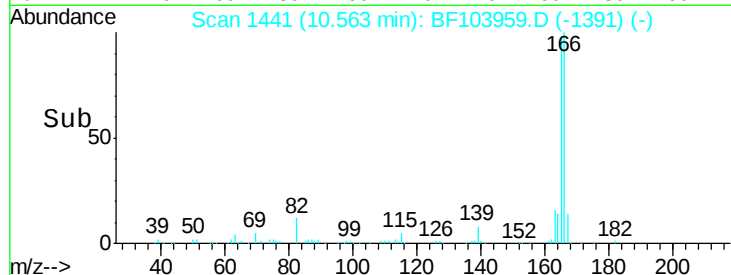
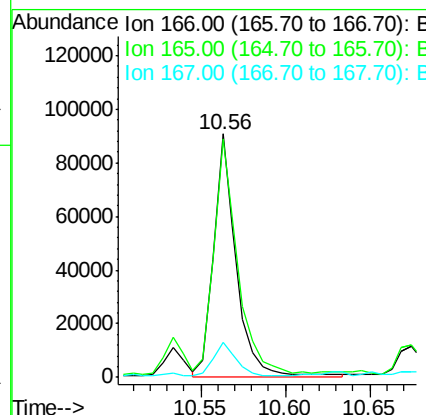
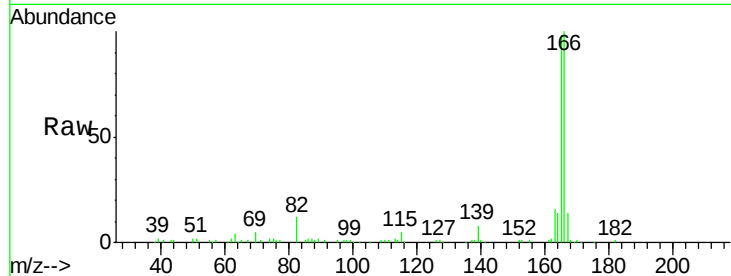
#57  
**Fluorene**  
 Concen: 4.809 ng  
 RT: 10.56 min Scan# 1441  
 Delta R.T. -0.01 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 166     | 100  |       |       |       |
| 165     | 97.7 | 79.8  | 119.8 |       |
| 167     | 14.5 | 10.6  | 16.0  |       |

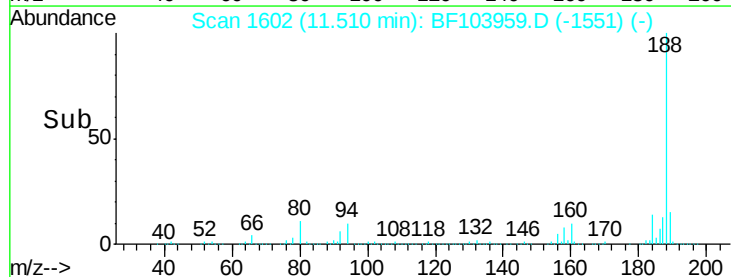
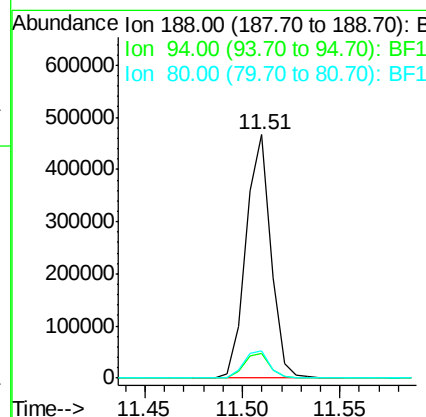
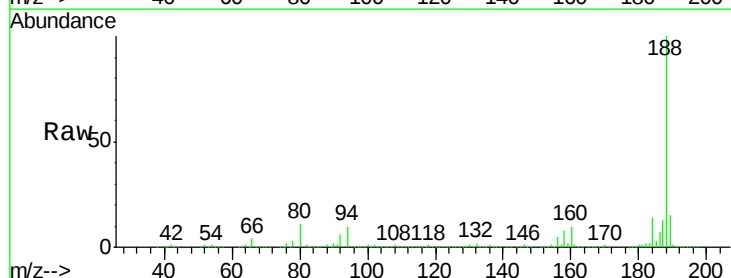
Manual Integrations  
 APPROVED

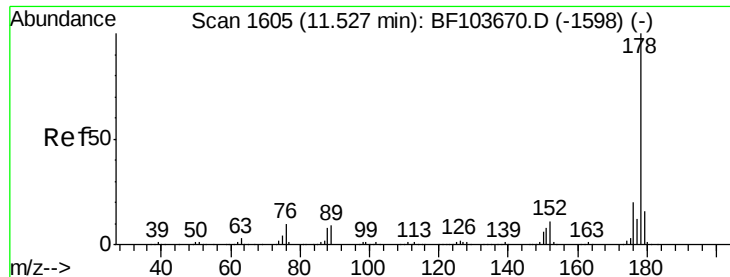
Sohil  
 3/27/2018 2:16:15 PM



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. 0.00 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 10.1 | 8.5   | 12.7  |       |
| 80      | 11.1 | 9.2   | 13.8  |       |





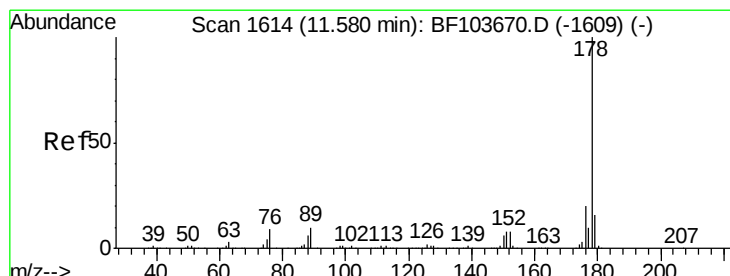
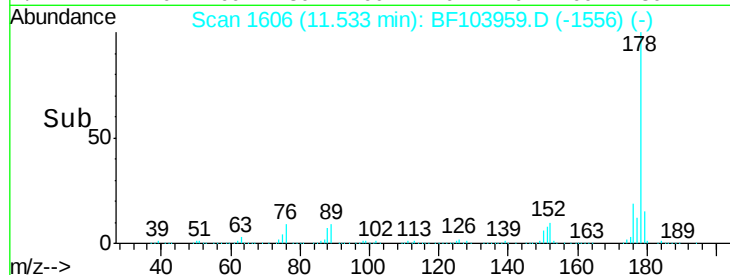
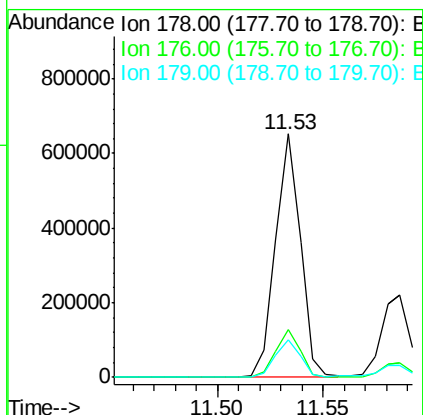
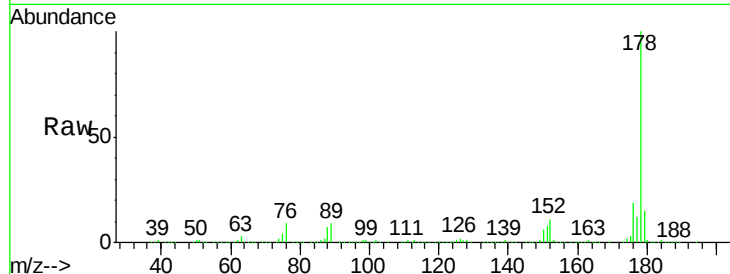
#70  
Phenanthrene  
Concen: 23.854 ng  
RT: 11.53 min Scan# 1606  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 15.5  | 13.0  | 19.6  |

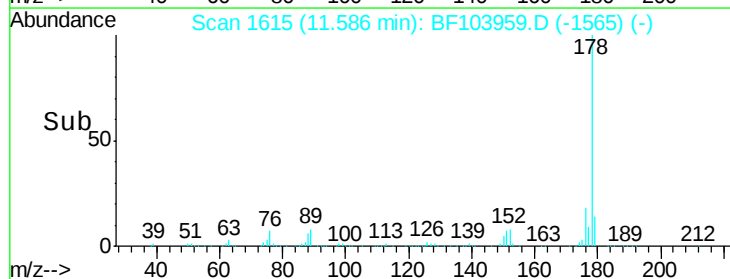
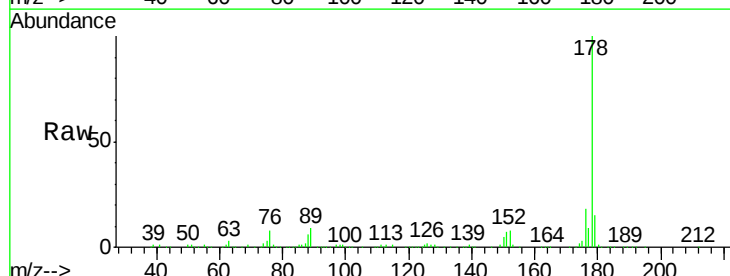
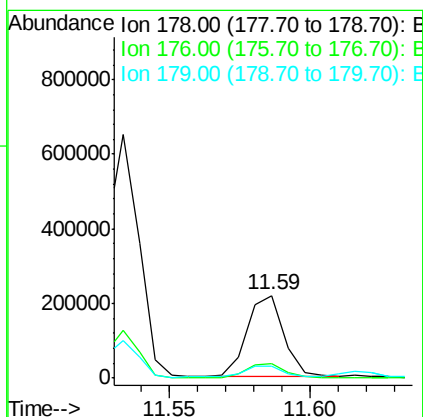
Manual Integrations  
APPROVED

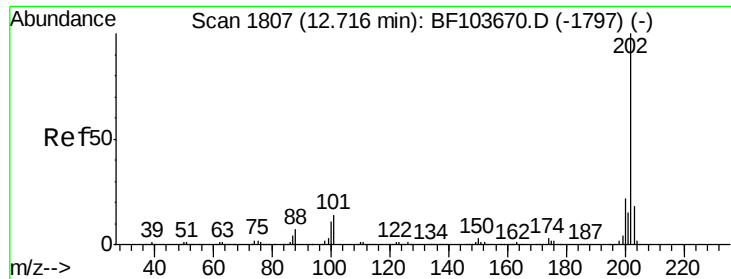
Sohil  
3/27/2018 2:16:15 PM



#71  
Anthracene  
Concen: 8.617 ng  
RT: 11.59 min Scan# 1615  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 15.4  | 23.2  |
| 179     | 14.7  | 12.6  | 19.0  |





#74

Fluoranthene

Concen: 37.881 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF103959.D

Acq: 27 Mar 2018 7:15

Instrument :

BNA\_F

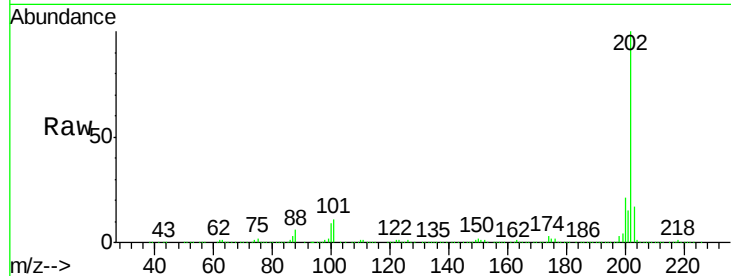
ClientSampleId :

A2\_SB43\_BOT-SE\_5DL

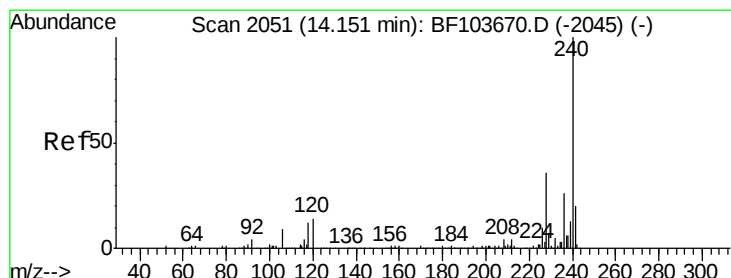
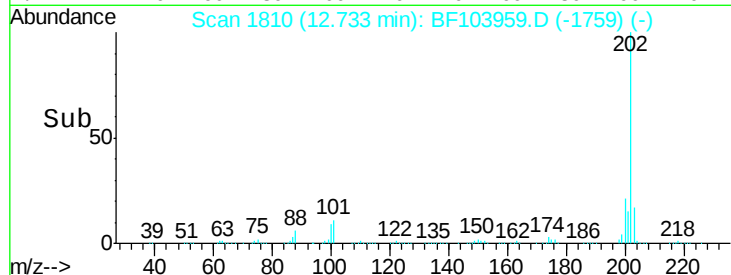
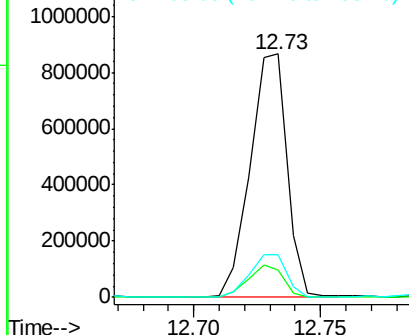
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 878647 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.3  | 0.0   | 34.1   |
| 203       | 17.3  | 0.0   | 38.1   |

Manual Integrations  
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3/27/2018 2:16:15 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

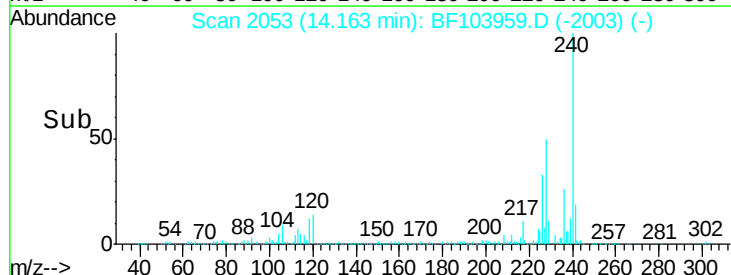
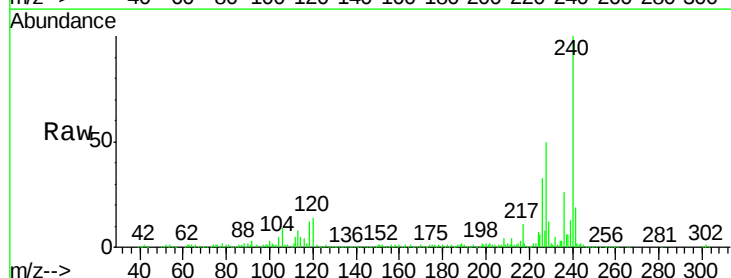
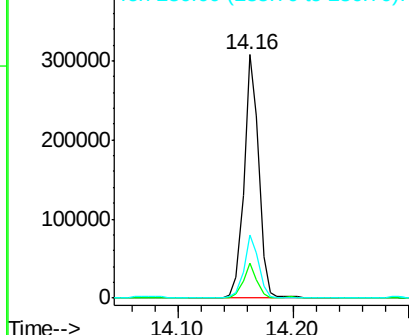
Delta R.T. -0.01 min

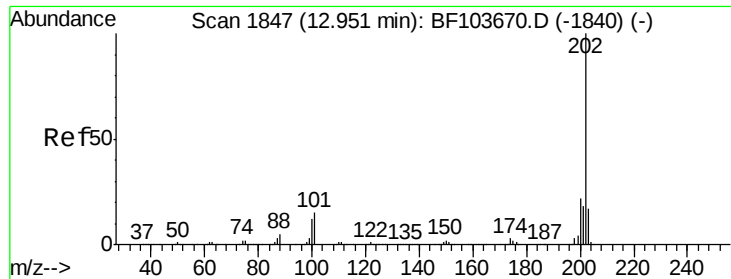
Lab File: BF103959.D

Acq: 27 Mar 2018 7:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 270310 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 14.1  | 9.5   | 14.3   |
| 236       | 25.9  | 20.7  | 31.1   |

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





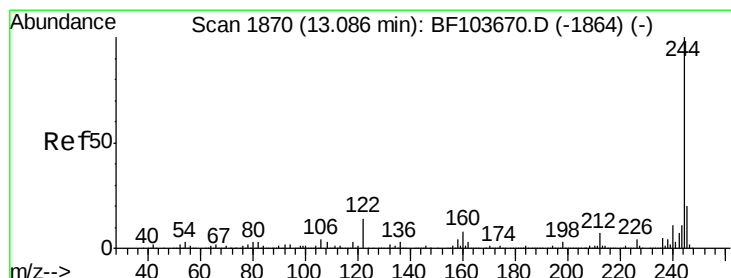
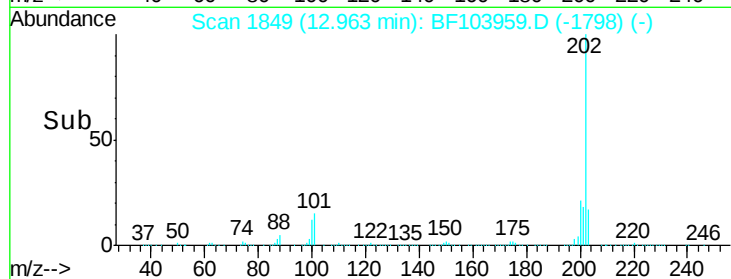
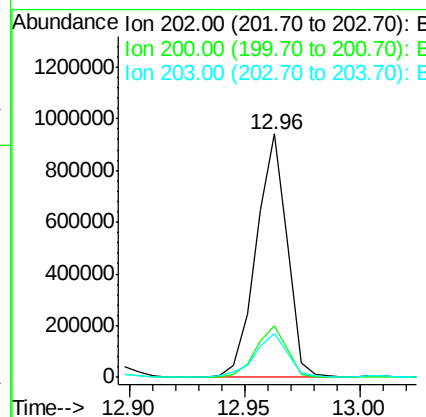
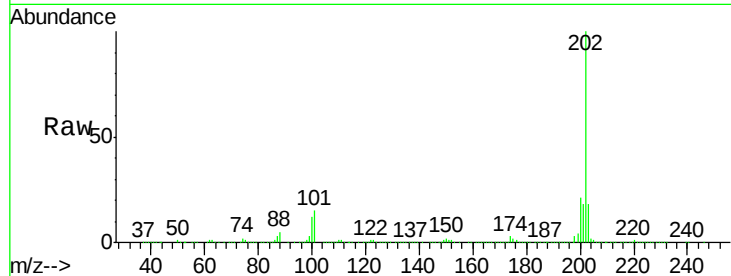
#77  
Pvrene  
Concen: 44.071 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. 0.00 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 17.4  | 26.2  |
| 203     | 18.0  | 14.3  | 21.5  |

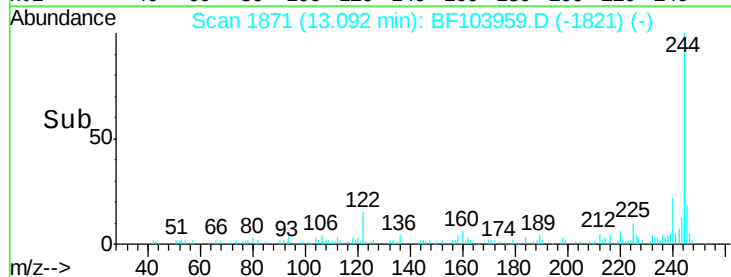
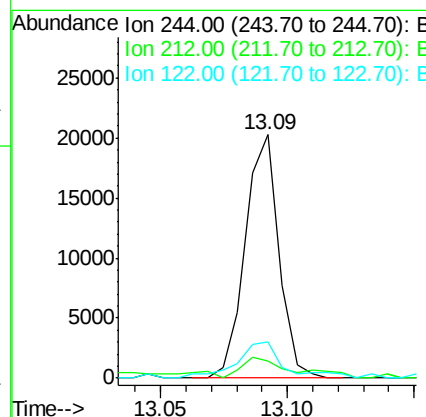
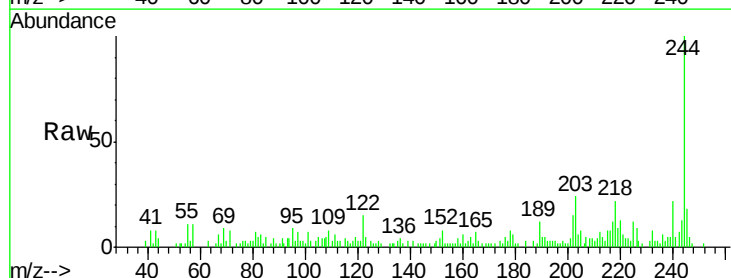
Manual Integrations  
APPROVED

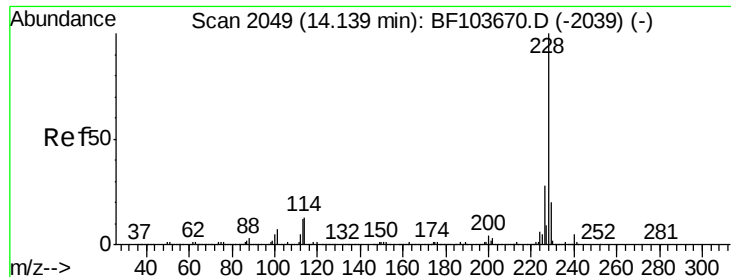
Sohil  
3/27/2018 2:16:15 PM



#78  
Terphenyl-d14  
Concen: 1.603 ng  
RT: 13.09 min Scan# 1871  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.4   | 8.0   |
| 122     | 14.9  | 11.0  | 16.4  |





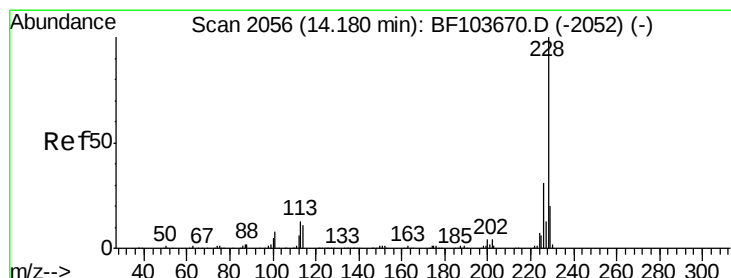
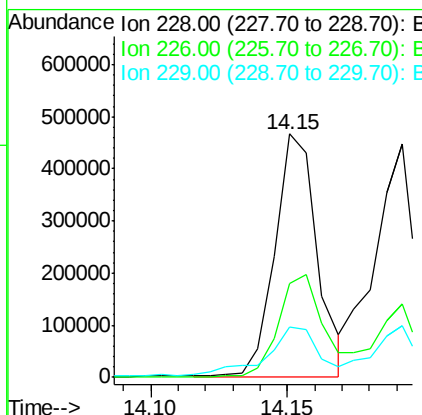
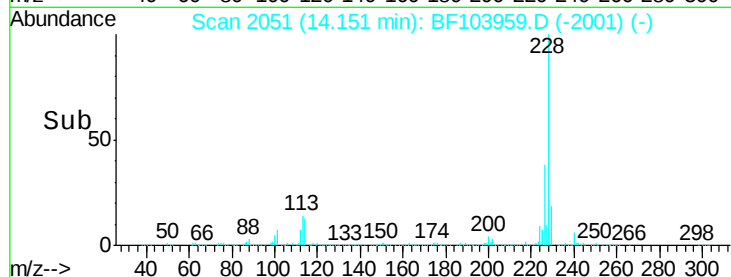
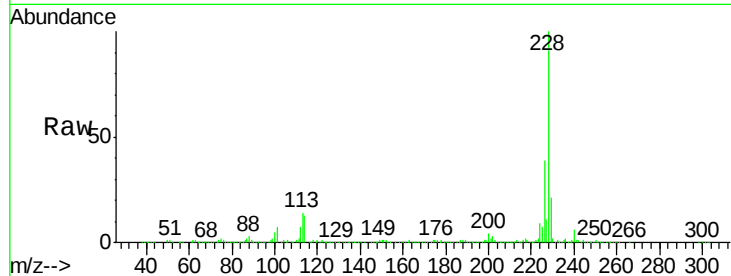
#80  
Benzo(a)anthracene  
Concen: 29.650 ng  
RT: 14.15 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 38.6  | 22.6  | 33.8# |
| 229     | 20.5  | 15.8  | 23.6  |

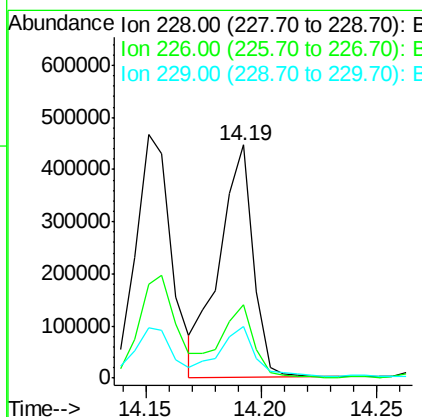
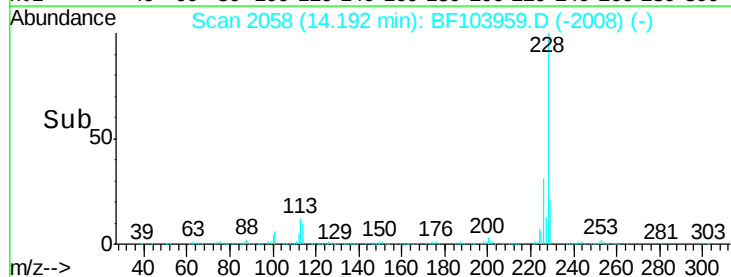
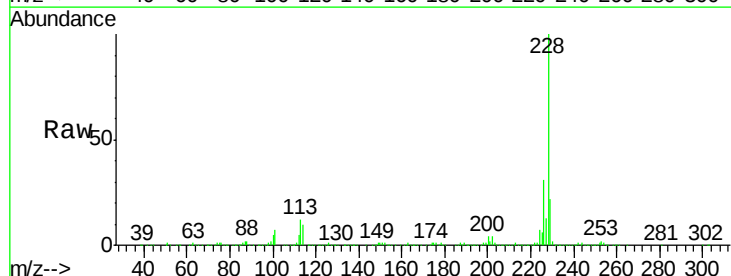
Manual Integrations  
APPROVED

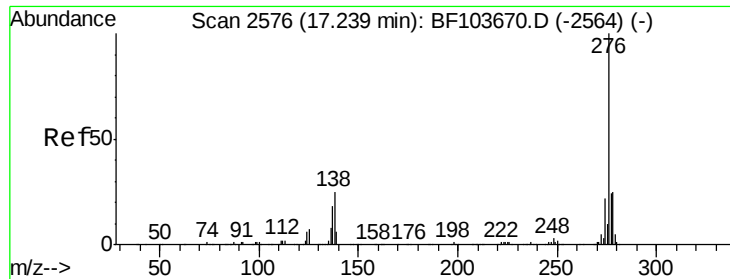
Sohil  
3/27/2018 2:16:15 PM



#82  
Chrysene  
Concen: 27.902 ng  
RT: 14.19 min Scan# 2058  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.4  | 25.0  | 37.6  |
| 229     | 22.0  | 16.2  | 24.4  |





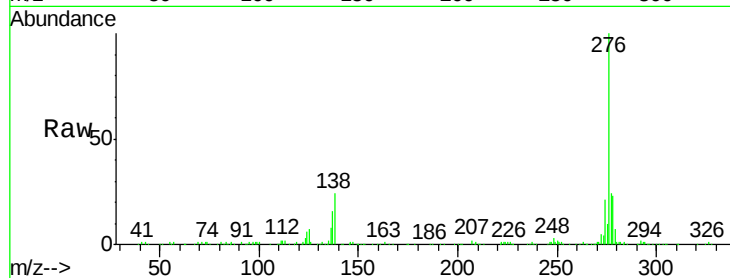
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 22.092 ng  
RT: 17.29 min Scan# 2585  
Delta R.T. -0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

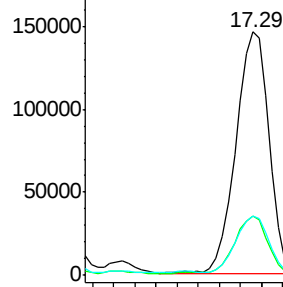
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.6  | 25.0  | 37.6# |
| 277     | 23.9  | 20.1  | 30.1  |

Manual Integrations  
APPROVED

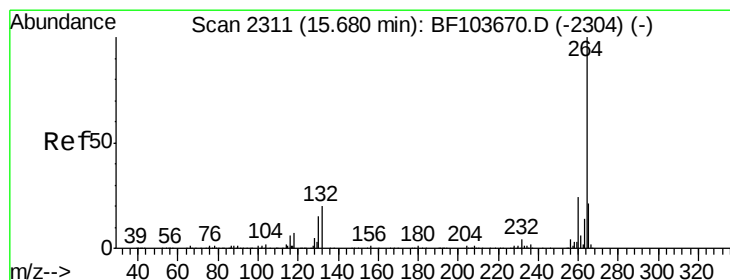
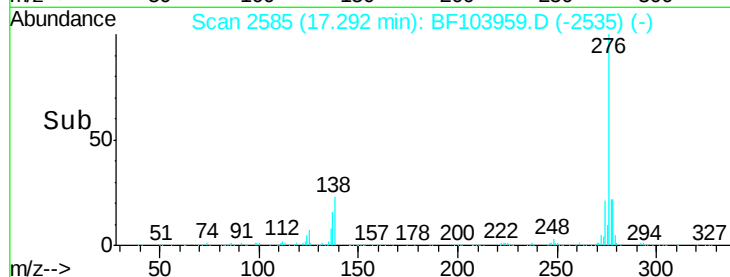
Sohil  
3/27/2018 2:16:15 PM



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

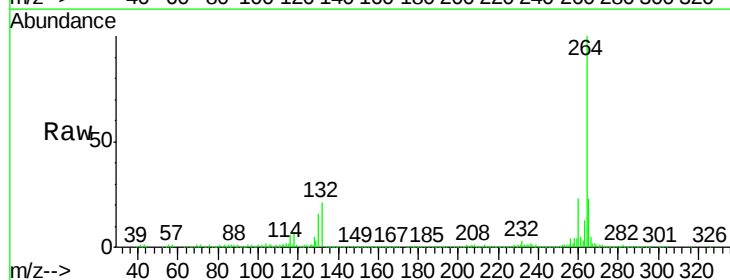


Time-->

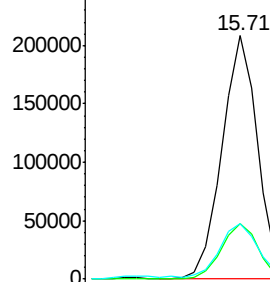


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.71 min Scan# 2316  
Delta R.T. 0.00 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

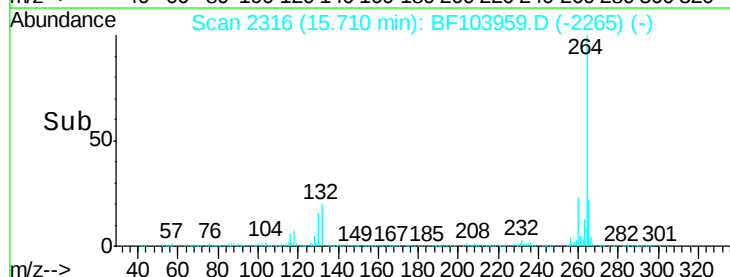
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.2  | 28.8  |
| 265     | 22.6  | 17.5  | 26.3  |

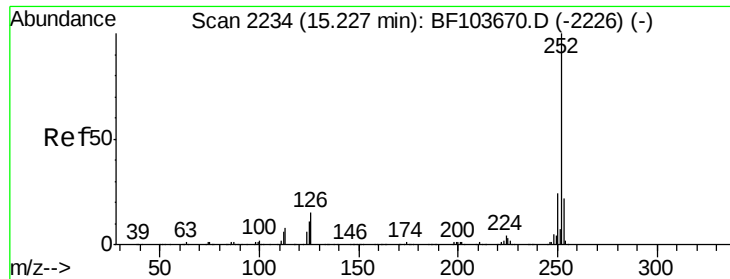


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



Time-->





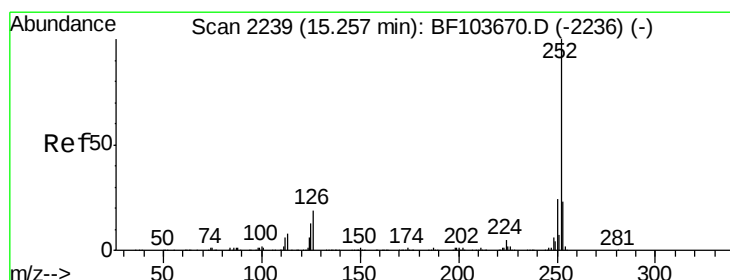
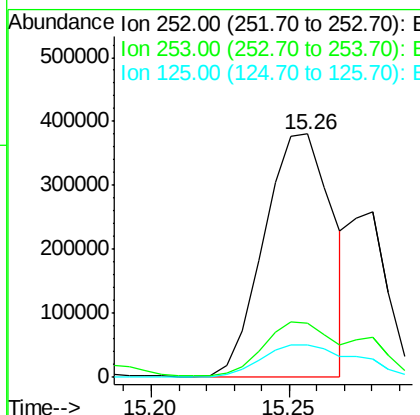
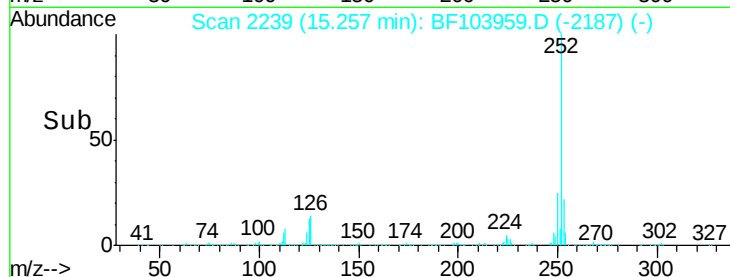
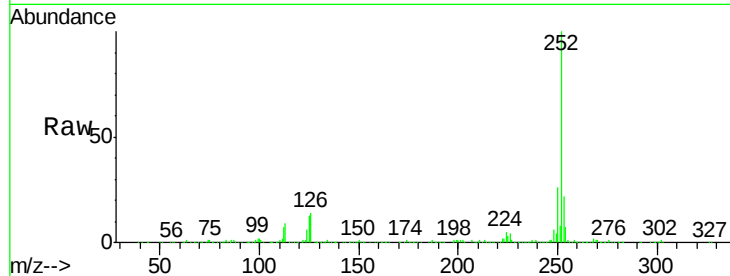
#87  
Benzo(b)fluoranthene  
Concen: 39.580 ng m  
RT: 15.26 min Scan# 2239  
Delta R.T. 0.01 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.0  | 25.6  |
| 125     | 13.3  | 9.0   | 13.6  |

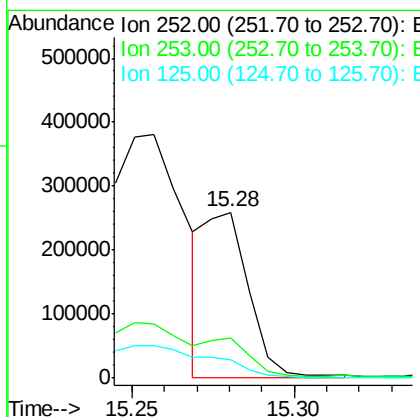
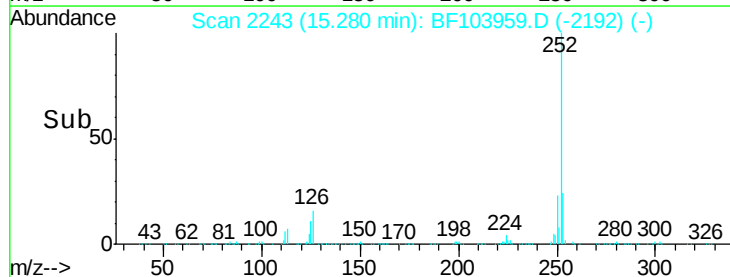
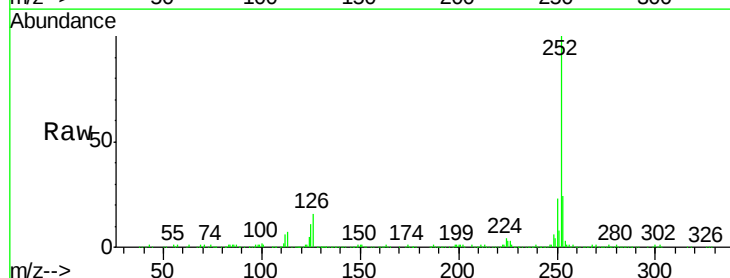
Manual Integrations  
APPROVED

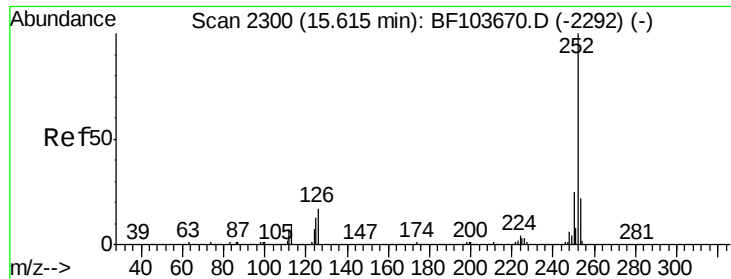
Sohil  
3/27/2018 2:16:15 PM



#88  
Benzo(k)fluoranthene  
Concen: 15.376 ng m  
RT: 15.28 min Scan# 2243  
Delta R.T. 0.00 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.9  | 26.9  |
| 125     | 11.0  | 10.2  | 15.2  |





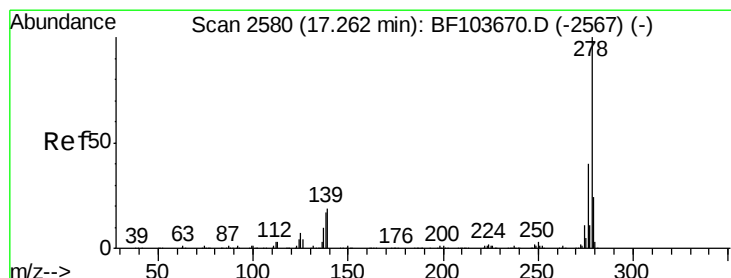
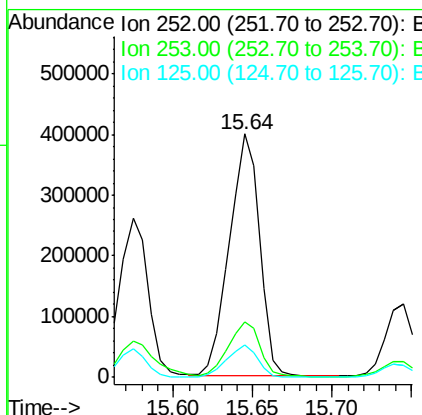
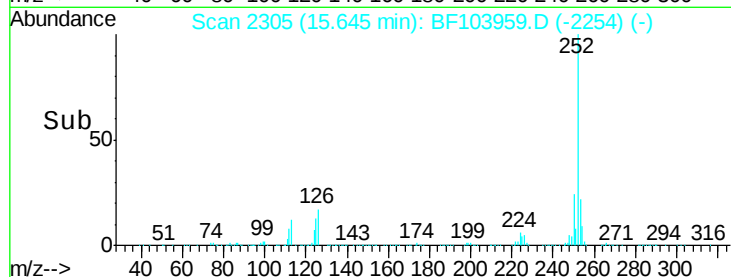
#89  
Benzo(a)pyrene  
Concen: 35.146 ng  
RT: 15.64 min Scan# 2305  
Delta R.T. 0.00 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

Instrument :  
BNA\_F  
ClientSampleId :  
A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.1  | 25.7  |
| 125     | 13.4  | 9.8   | 14.6  |

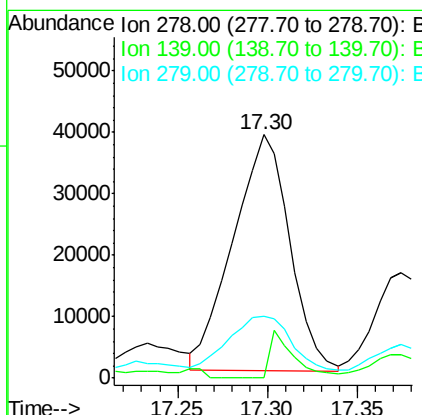
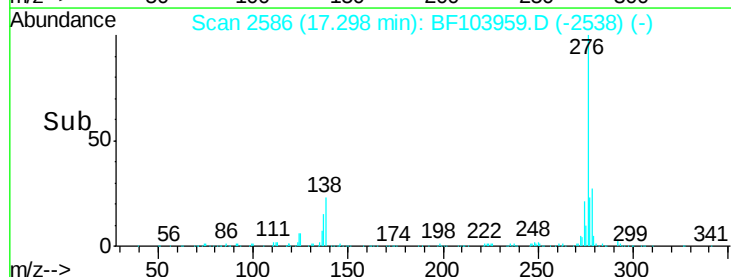
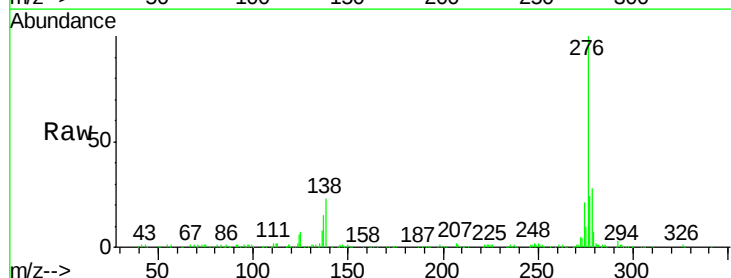
Manual Integrations  
APPROVED

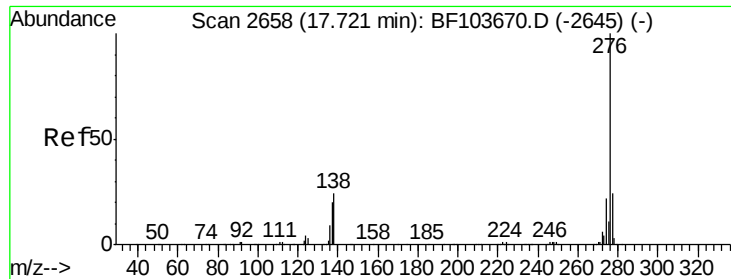
Sohil  
3/27/2018 2:16:15 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 6.458 ng m  
RT: 17.30 min Scan# 2586  
Delta R.T. -0.02 min  
Lab File: BF103959.D  
Acq: 27 Mar 2018 7:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 15.9  | 23.9# |
| 279     | 25.4  | 19.0  | 28.4  |





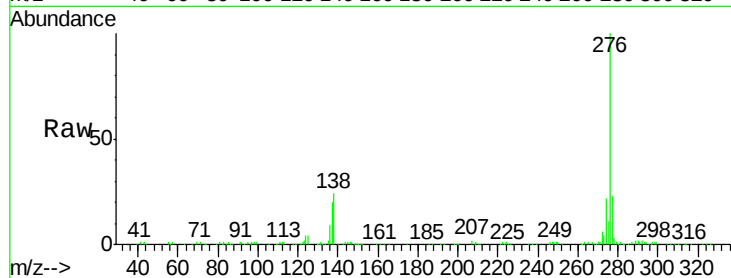
#91  
 Benzo(a,h,i)perylene  
 Concen: 23.143 ng  
 RT: 17.78 min Scan# 2668  
 Delta R.T. 0.00 min  
 Lab File: BF103959.D  
 Acq: 27 Mar 2018 7:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2\_SB43\_BOT-SE\_5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.1  | 17.9  | 26.9  |
| 138     | 23.8  | 21.8  | 32.8  |

Manual Integrations  
 APPROVED

Sohil  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

