

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\  
 Data File : BF103333.D  
 Acq On : 1 Mar 2018 13:42  
 Operator : SJ/JU  
 Sample : J1720-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-38

Manual Integrations  
 APPROVED

Sohil  
 3/2/2018 3:30:30 PM

Quant Time: Mar 02 09:36:47 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 17:05:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 142997   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 587355   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 228746   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 322578   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.06 | 240  | 237030   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.57 | 264  | 187543   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 1085356  | 114.79 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.52  | 99   | 1290889  | 111.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 852586   | 82.90  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 161879   | 83.61  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 1079360  | 80.19  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 675382   | 68.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 31) Naphthalene                | 8.18  | 128  | 70442    | 2.450  | ng    | 100      |
| 49) Dimethylphthalate          | 9.62  | 163  | 113751   | 6.199  | ng    | 99       |
| 51) Acenaphthene               | 9.95  | 154  | 36412    | 2.676  | ng    | 97       |
| 57) Fluorene                   | 10.46 | 166  | 38538    | 2.422  | ng    | 97       |
| 70) Phenanthrene               | 11.43 | 178  | 387976   | 21.855 | ng    | 99       |
| 71) Anthracene                 | 11.48 | 178  | 125395   | 6.888  | ng    | 98       |
| 72) Carbazole                  | 11.65 | 167  | 62314    | 3.437  | ng    | 99       |
| 74) Fluoranthene               | 12.63 | 202  | 618705   | 34.682 | ng    | 100      |
| 77) Pyrene                     | 12.86 | 202  | 607278   | 32.861 | ng    | 99       |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 345638   | 22.474 | ng    | 99       |
| 82) Chrysene                   | 14.09 | 228  | 279954   | 18.747 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 88355    | 6.706  | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.10 | 276  | 98286    | 8.314  | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.13 | 252  | 313132m  | 25.394 | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.15 | 252  | 109208m  | 9.405  | ng    |          |
| 89) Benzo(a)pyrene             | 15.51 | 252  | 204940   | 18.612 | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 17.10 | 278  | 26121    | 3.070  | ng    | # 74     |
| 91) Benzo(g,h,i)perylene       | 17.57 | 276  | 95613    | 11.498 | ng    | 92       |

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

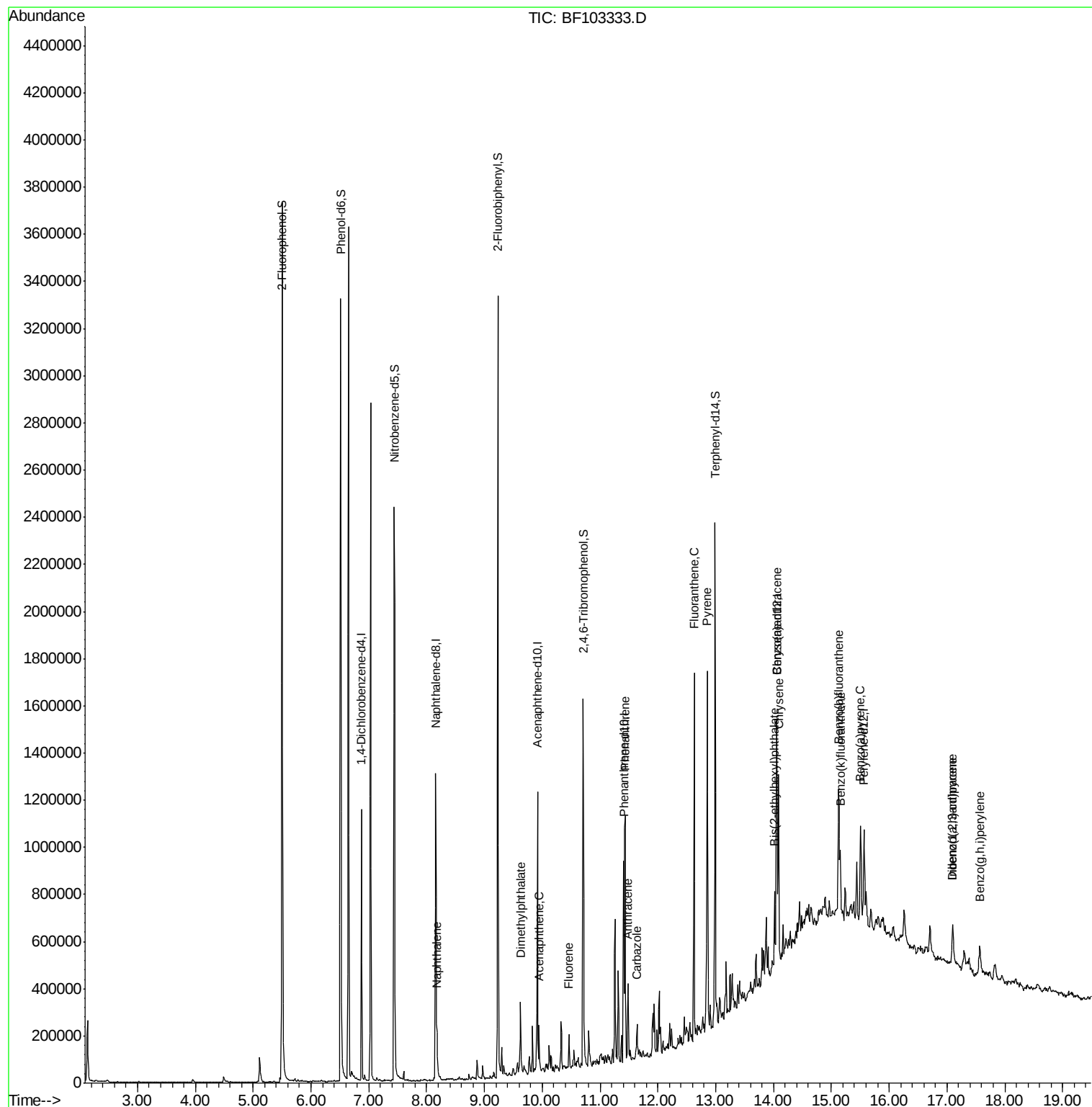
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030118\  
Data File : BF103333.D  
Acq On : 1 Mar 2018 13:42  
Operator : SJ/JU  
Sample : J1720-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP-38

Manual Integrations  
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3/2/2018 3:30:30 PM

Quant Time: Mar 02 09:36:47 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 27 17:05:20 2018  
Response via : Initial Calibration





#1

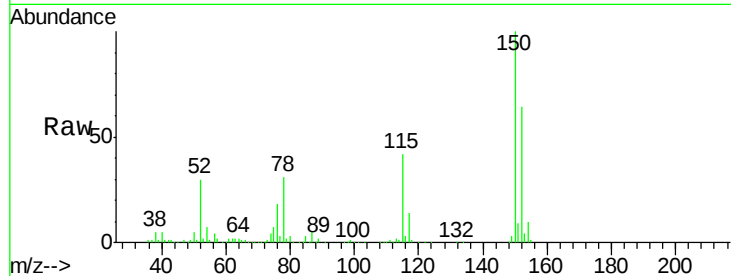
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampled :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 124.6 | 186.8 |
| 115     | 65.4  | 50.1  | 75.1  |

Manual Integrations  
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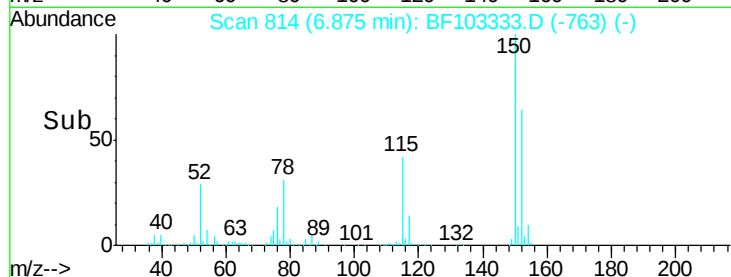
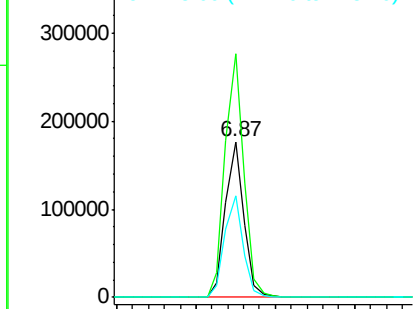


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

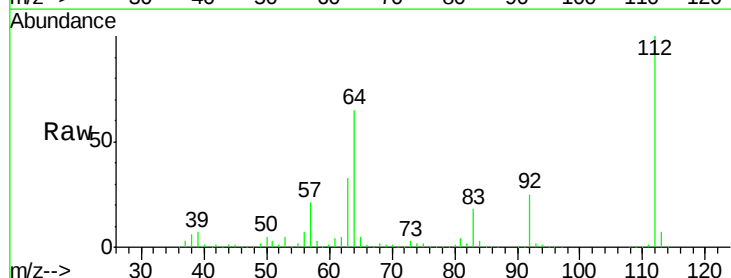
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 114.794 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.7  | 47.9  | 71.9  |
| 63      | 33.4  | 23.7  | 35.5  |

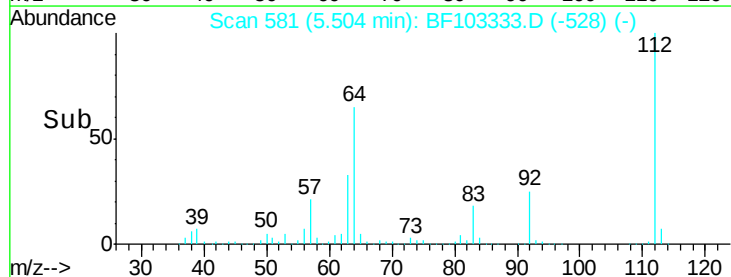
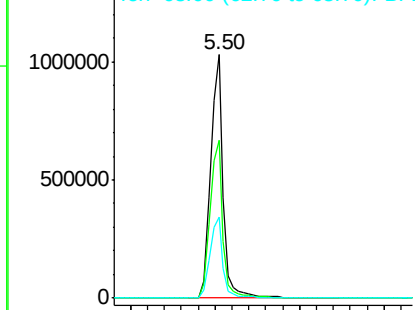


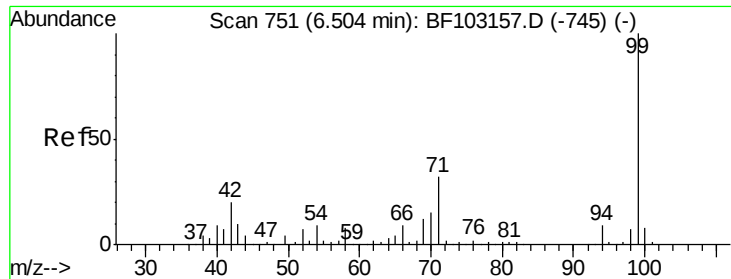
Abundance

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: 111.578 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

ClientSampled :

SP-38

Tot Ion: 99 Resp: 1290889

Ion Ratio Lower Upper

99 100

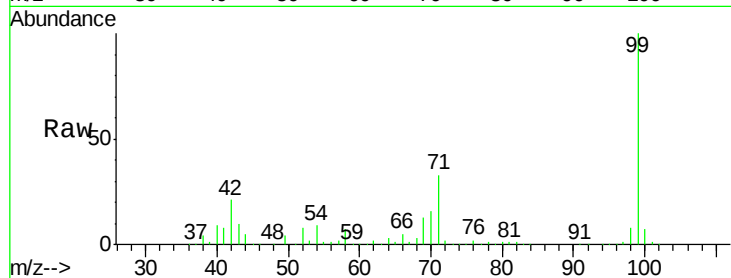
42 21.2 14.5 21.7

71 33.3 25.4 38.0

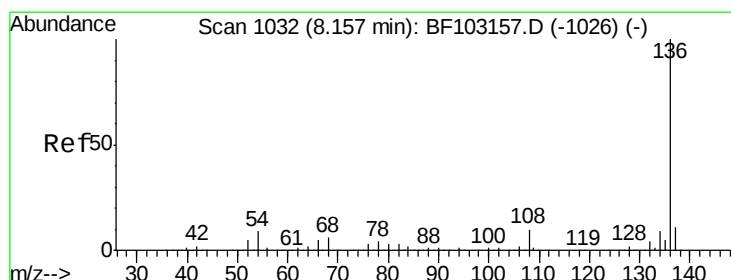
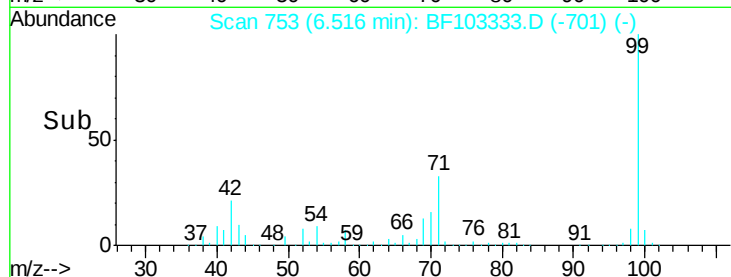
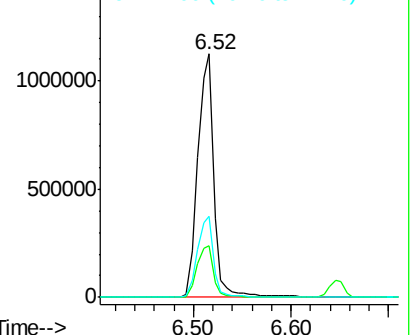
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Tgt Ion: 136 Resp: 587355

Ion Ratio Lower Upper

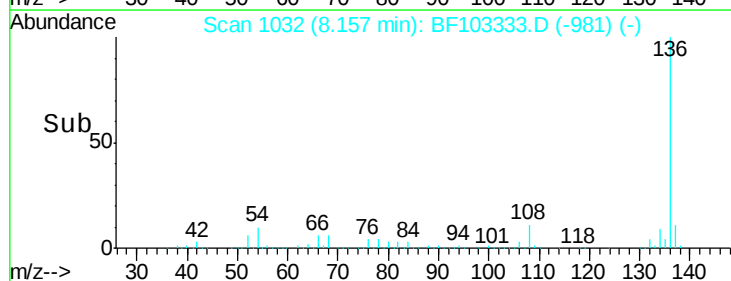
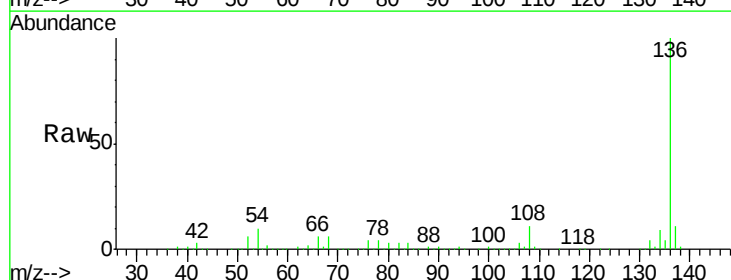
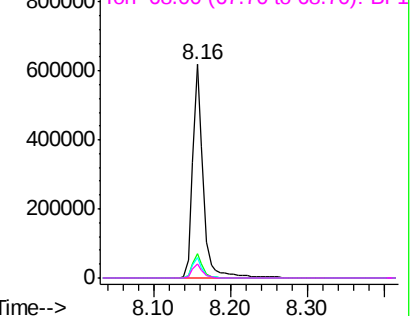
136 100

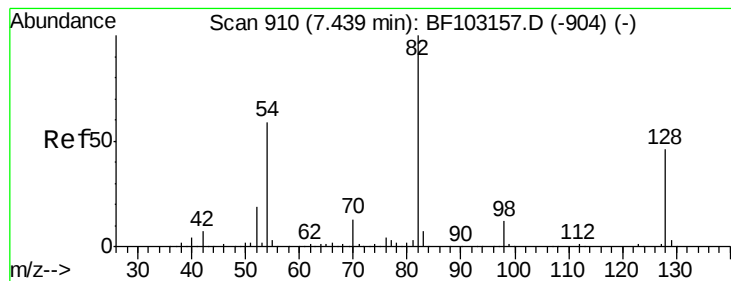
137 11.1 8.9 13.3

54 9.8 6.6 9.8

68 6.4 5.0 7.4

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





#23

Nitrobenzene-d5

Concen: 82.897 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

ClientSampled :

SP-38

Tot Ion: 82 Resp: 852586

Ion Ratio Lower Upper

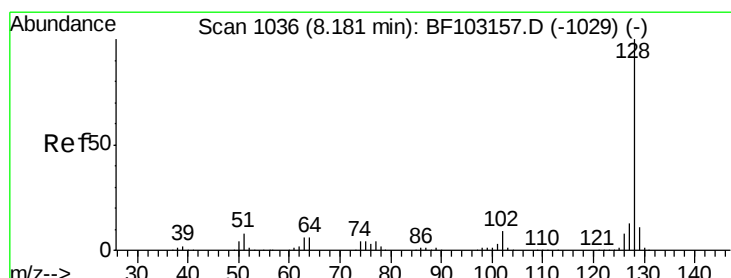
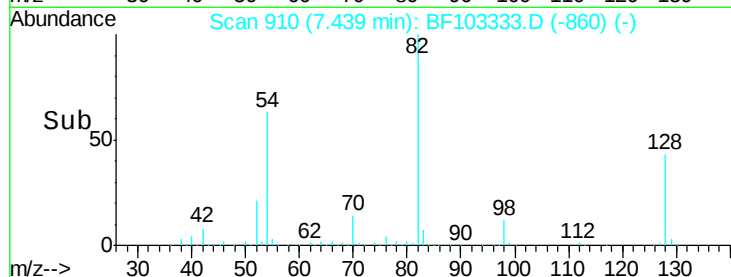
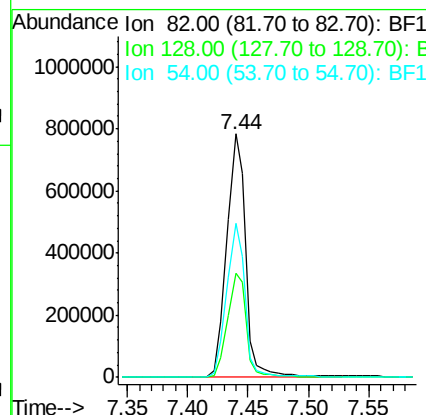
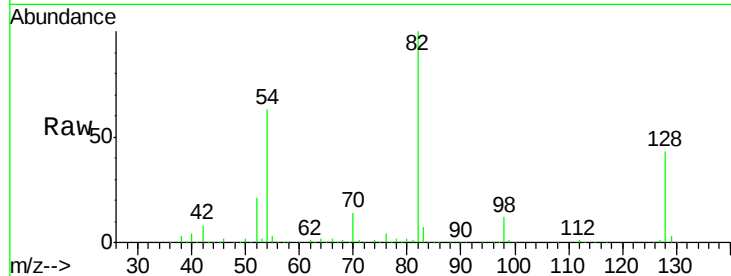
82 100

128 42.7 36.1 54.1

54 63.0 41.4 62.2#

Manual Integrations  
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#31

Naphthalene

Concen: 2.450 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

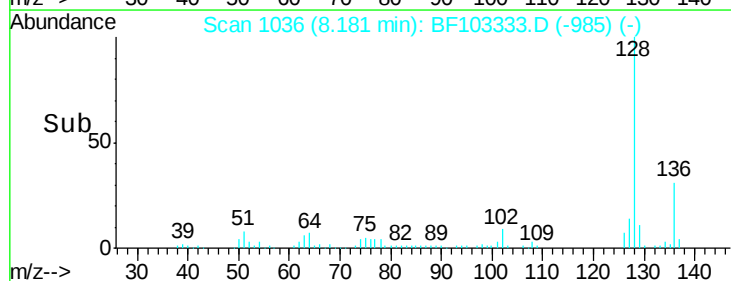
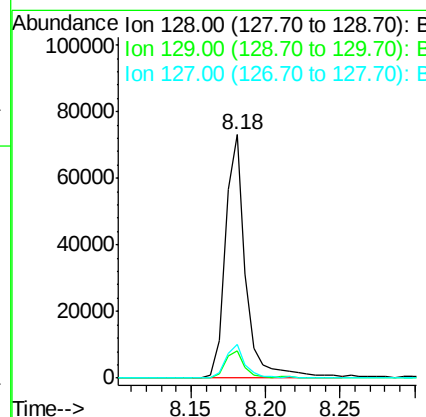
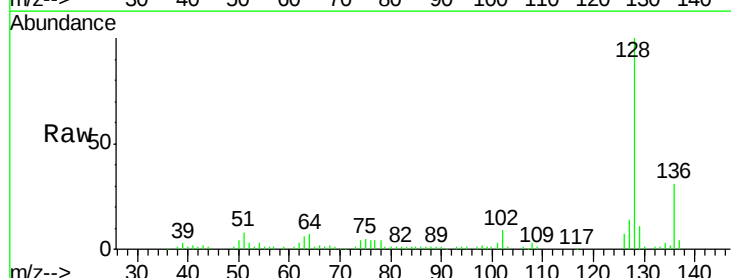
Tgt Ion: 128 Resp: 70442

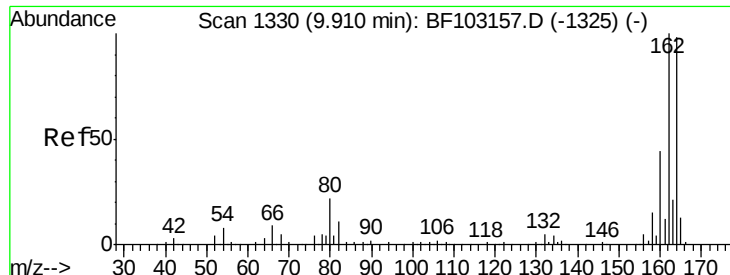
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.9 10.9 16.3





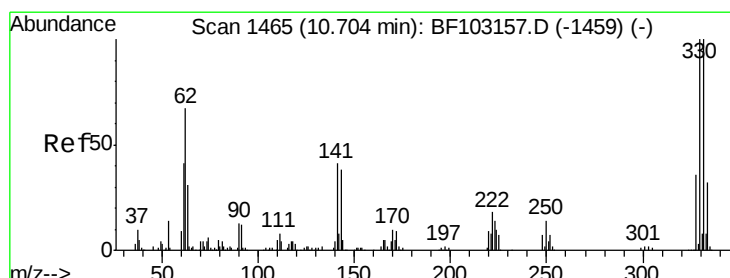
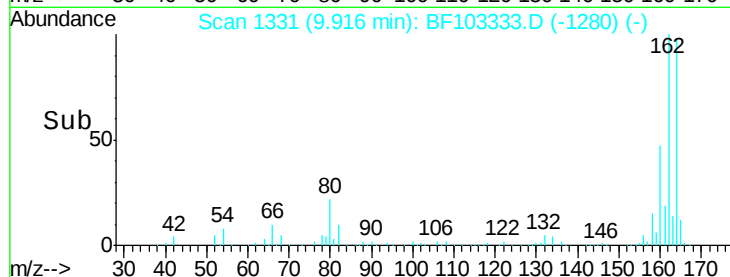
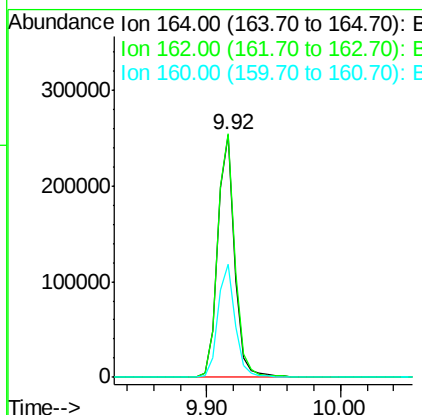
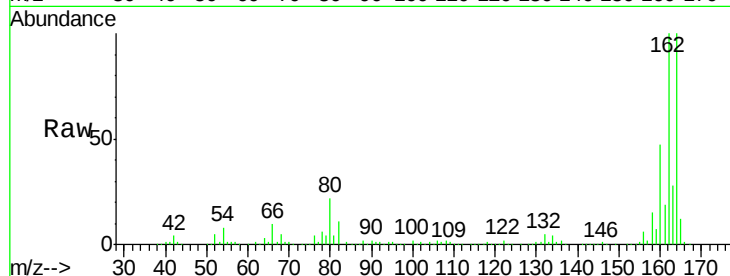
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampleId :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.3 | 86.1  | 129.1 |
| 160     | 46.8  | 38.3  | 57.5  |

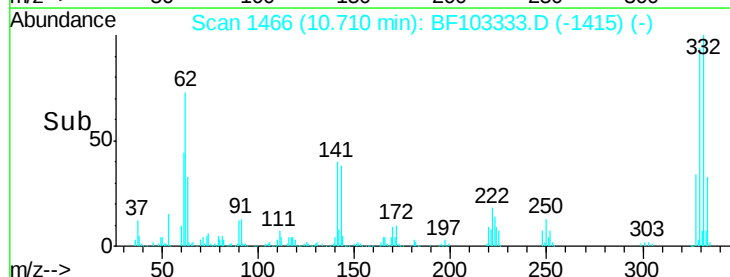
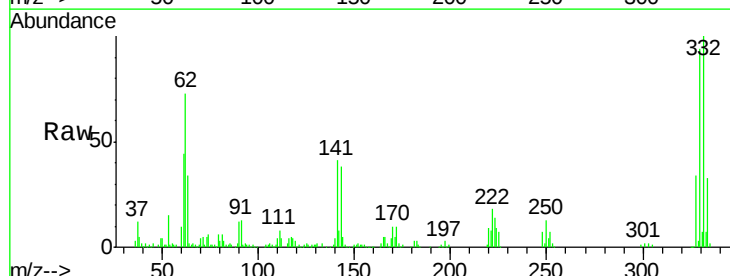
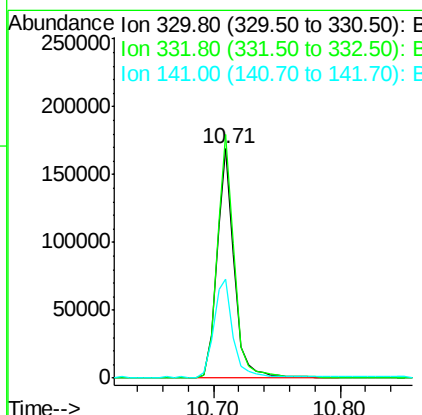
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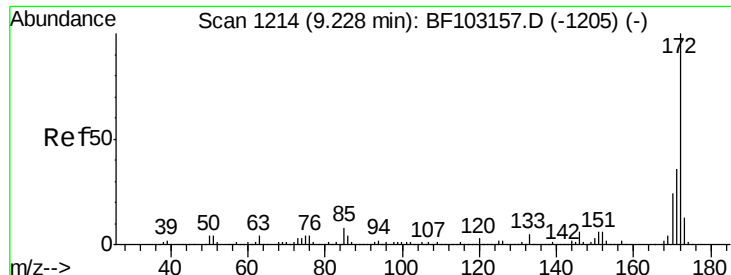
Sohil  
3/2/2018 3:30:30 PM



#41  
2,4,6-Tribromophenol  
Concen: 83.606 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 105.8 | 77.0  | 115.6 |
| 141     | 47.8  | 29.9  | 44.9# |





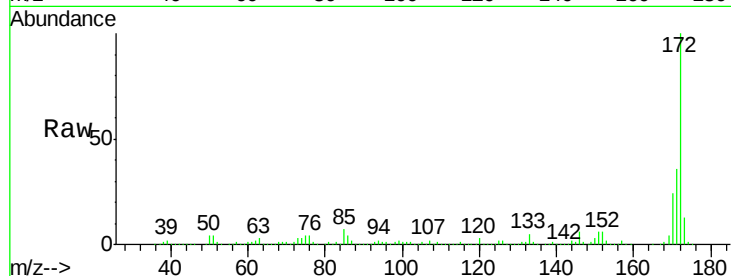
#44  
2-Fluorobiphenyl  
Concen: 80.185 ng  
RT: 9.23 min Scan# 1215  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampled :  
SP-38

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 172     | 100  |       |       |       |
| 171     | 36.3 | 29.7  | 44.5  |       |
| 170     | 24.4 | 19.6  | 29.4  |       |

Manual Integrations  
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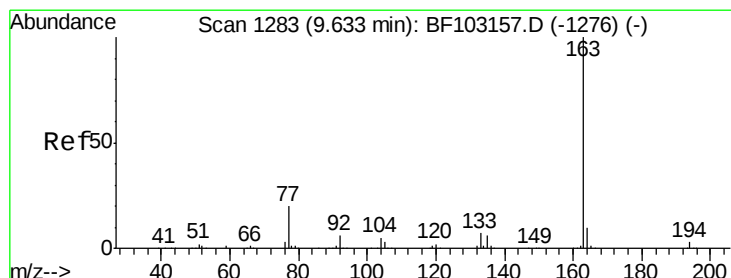
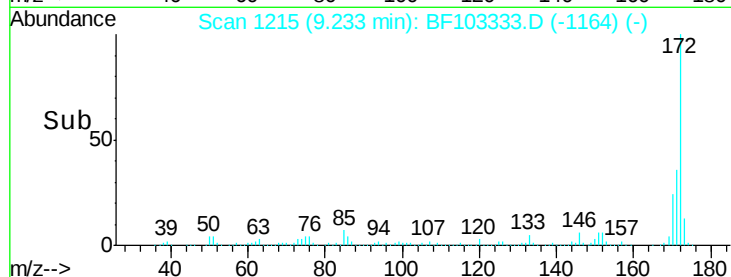
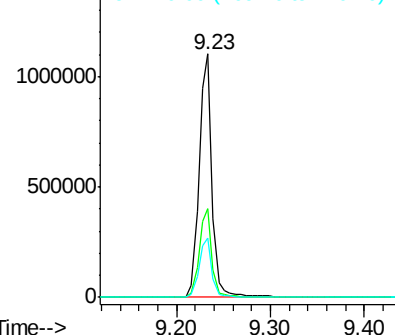


Abundance

Ion 172.00 (171.70 to 172.70): E

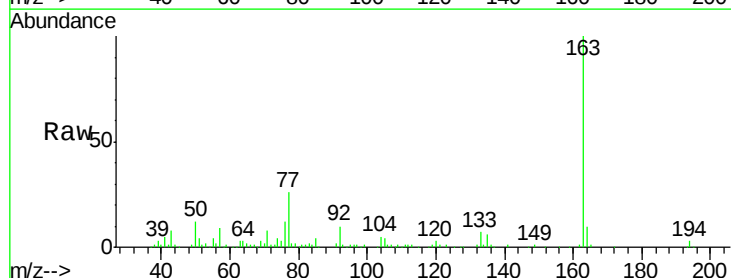
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49  
Dimethylphthalate  
Concen: 6.199 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 163     | 100  |       |       |       |
| 194     | 3.2  | 2.7   | 4.1   |       |
| 164     | 10.0 | 8.2   | 12.2  |       |

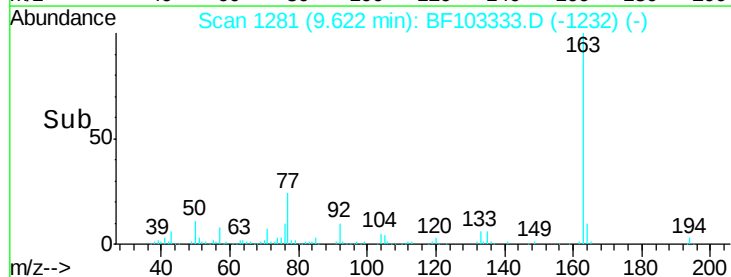
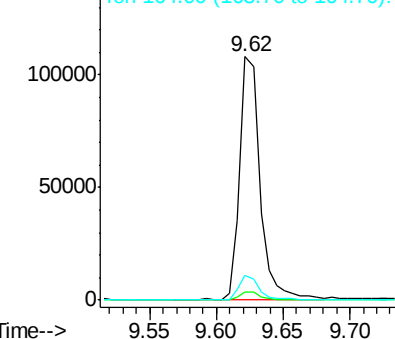


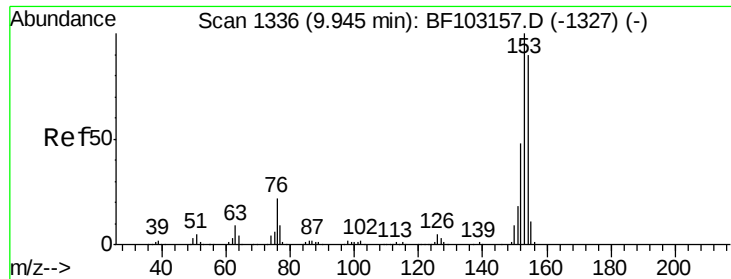
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.676 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

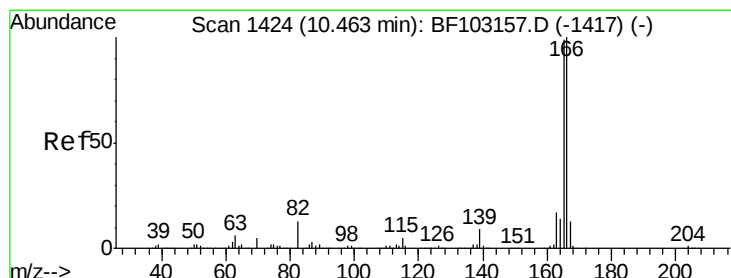
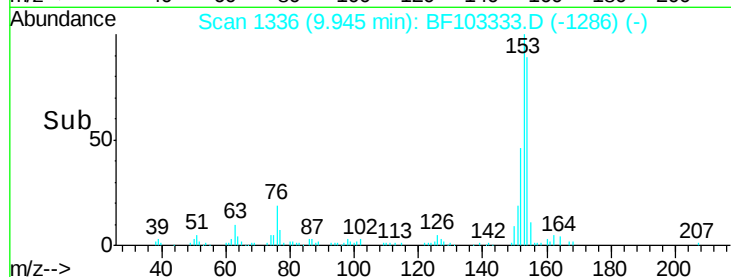
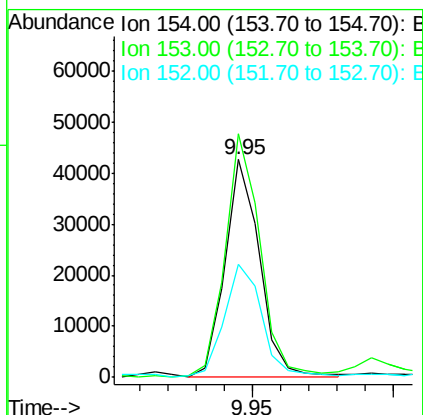
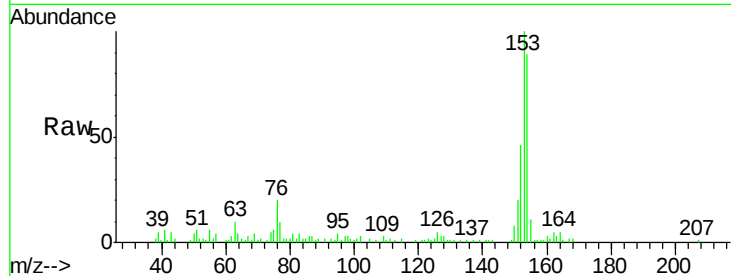
ClientSampleId :

SP-38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 36412 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 111.7 | 91.2  | 136.8 |
| 152       | 51.9  | 43.8  | 65.8  |

Manual Integrations  
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3/2/2018 3:30:30 PM



#57

Fluorene

Concen: 2.422 ng

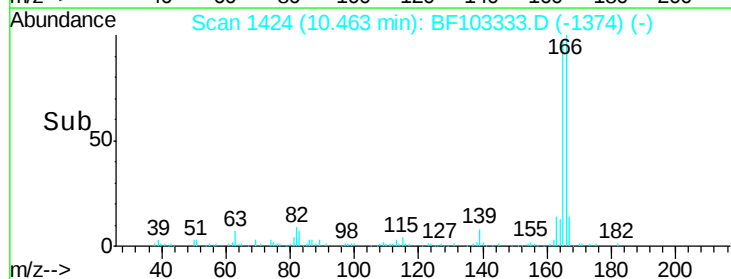
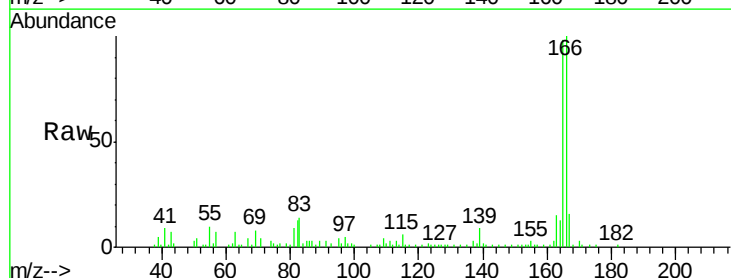
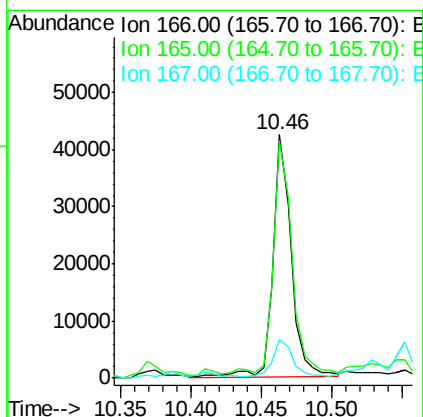
RT: 10.46 min Scan# 1424

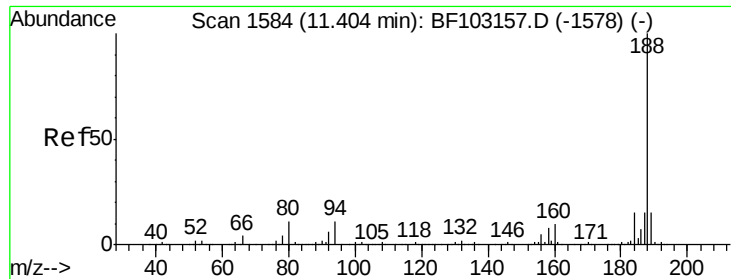
Delta R.T. -0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 38538 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 97.7  | 79.8  | 119.8 |
| 167       | 15.7  | 10.6  | 16.0  |





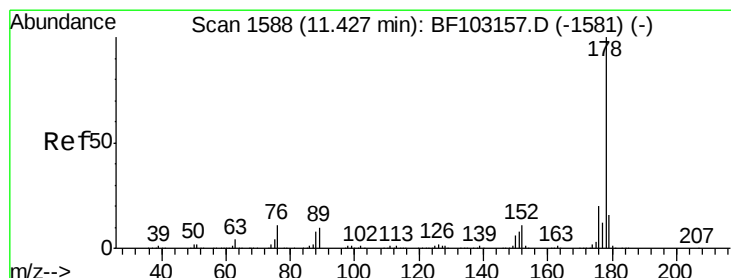
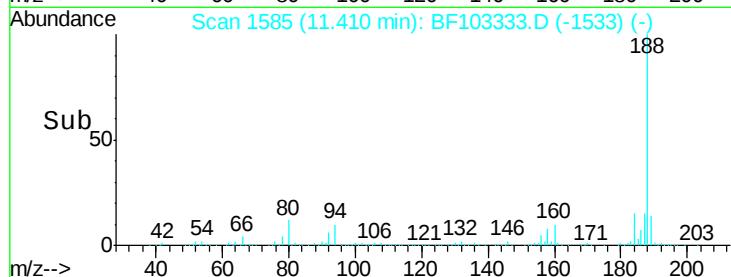
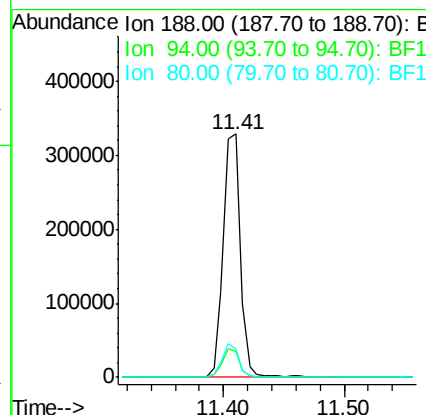
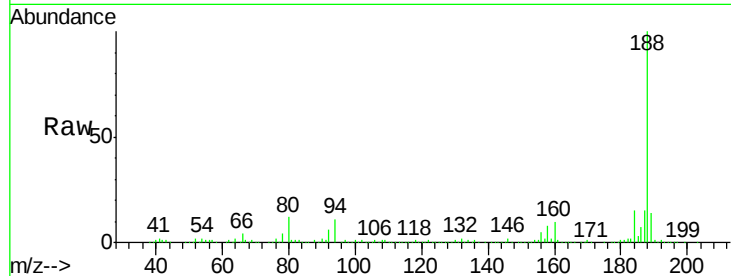
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampled :  
SP-38

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 322578 |       |       |
| 94      | 10.6  |        | 8.5   | 12.7  |
| 80      | 11.8  |        | 9.2   | 13.8  |

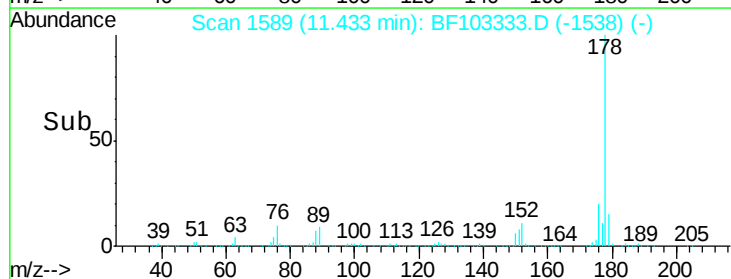
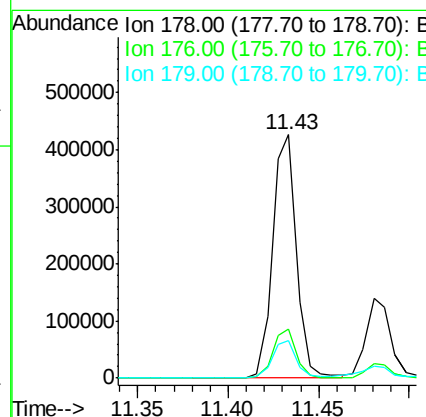
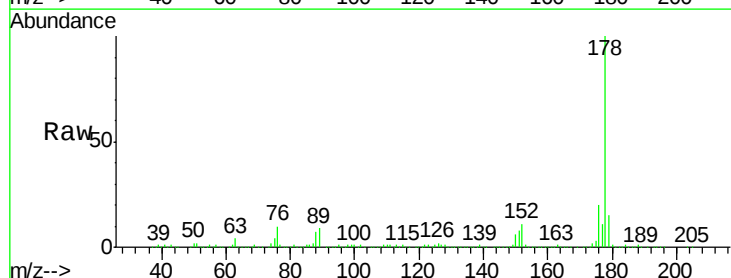
Manual Integrations  
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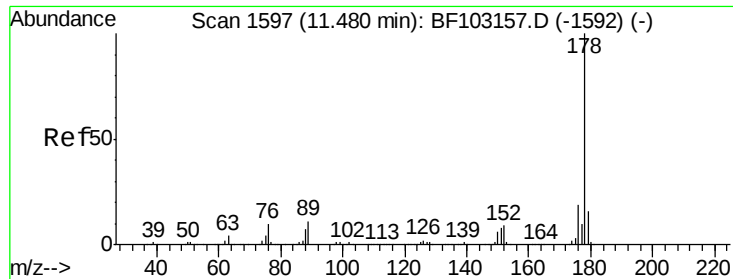
Sohil  
3/2/2018 3:30:30 PM



#70  
Phenanthrene  
Concen: 21.855 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 387976 |       |       |
| 176     | 20.1  |        | 15.8  | 23.8  |
| 179     | 15.2  |        | 13.0  | 19.6  |





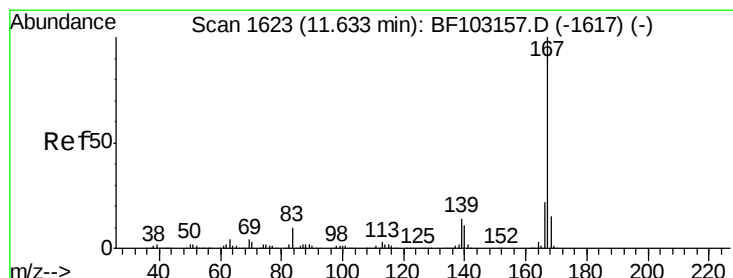
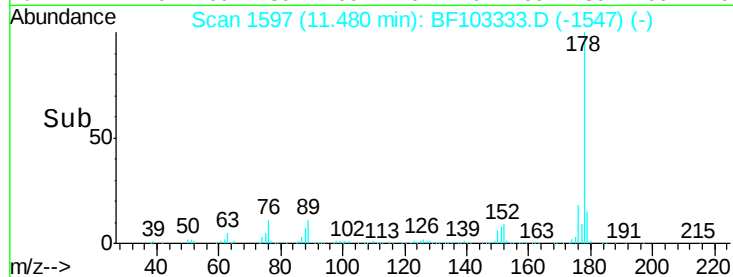
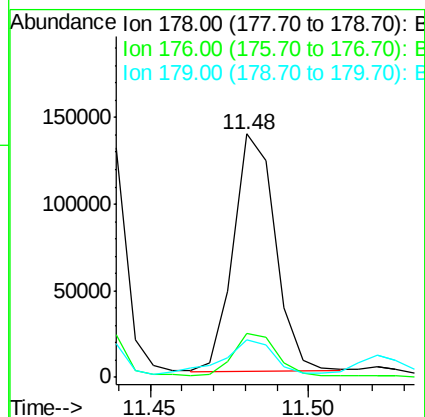
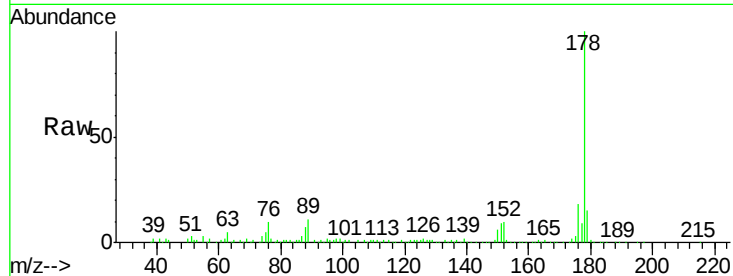
#71  
 Anthracene  
 Concen: 6.888 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF103333.D  
 Acq: 1 Mar 2018 13:42

Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.4  | 23.2  |
| 179     | 15.3  | 12.6  | 19.0  |

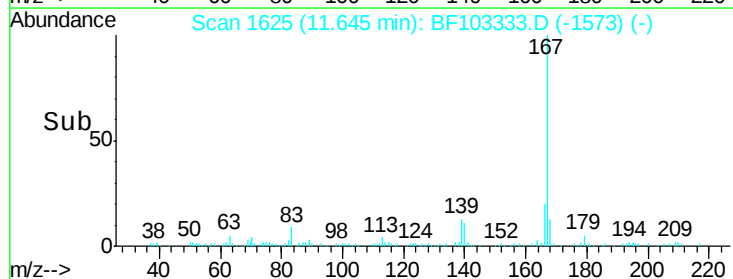
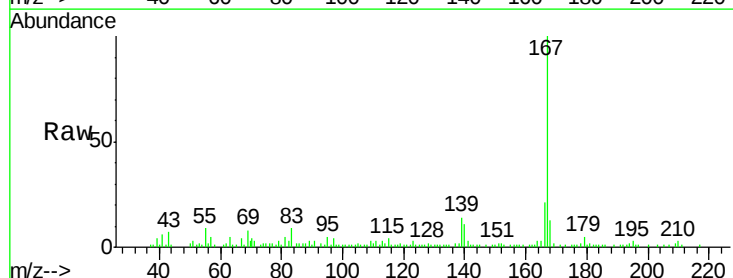
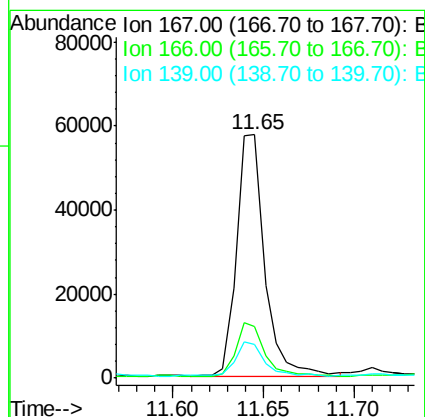
Manual Integrations  
 APPROVED

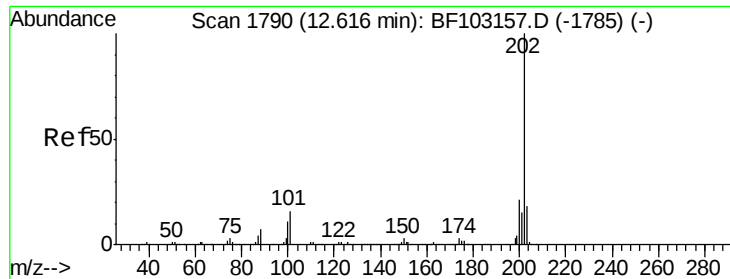
Sohil  
 3/2/2018 3:30:30 PM



#72  
 Carbazole  
 Concen: 3.437 ng  
 RT: 11.65 min Scan# 1625  
 Delta R.T. 0.01 min  
 Lab File: BF103333.D  
 Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.0  | 17.6  | 26.4  |
| 139     | 13.7  | 10.9  | 16.3  |





#74

Fluoranthene

Concen: 34.682 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

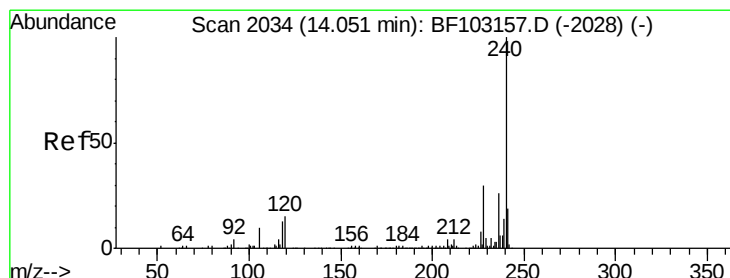
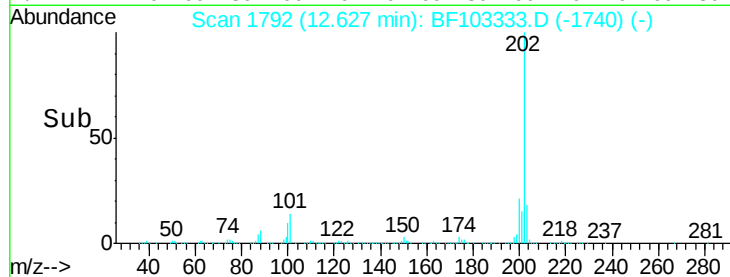
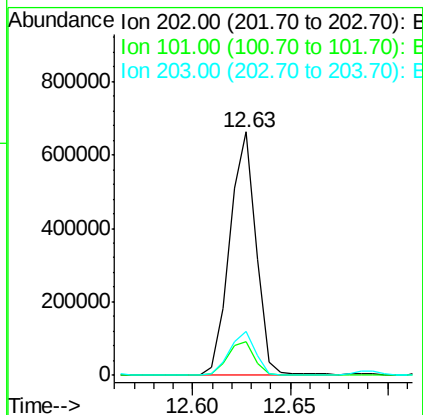
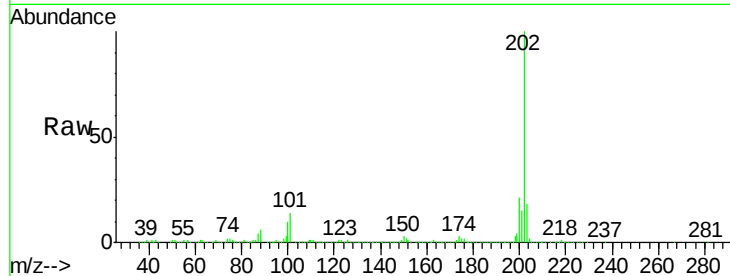
ClientSampled :

SP-38

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 14.0  | 0.0        | 34.1  |
| 203     | 17.9  | 0.0        | 38.1  |

Manual Integrations  
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Sohil  
3/2/2018 3:30:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

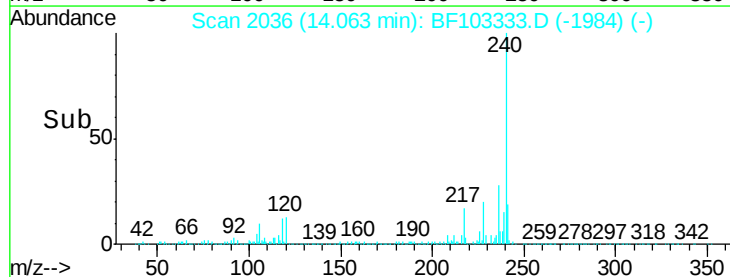
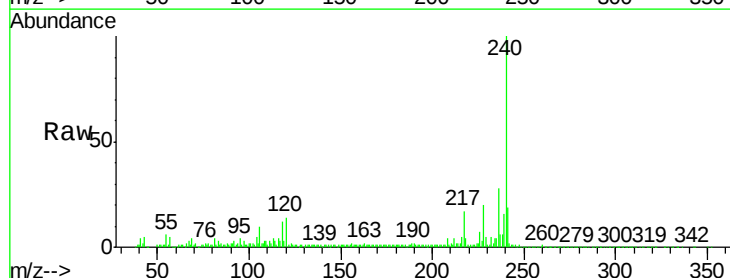
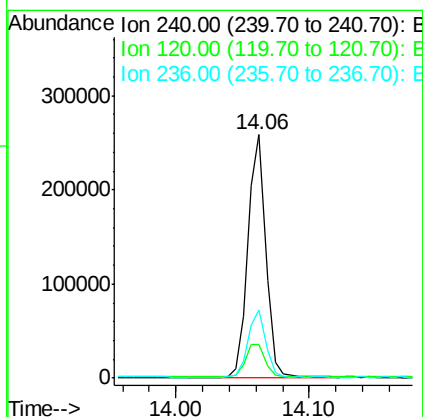
RT: 14.06 min Scan# 2036

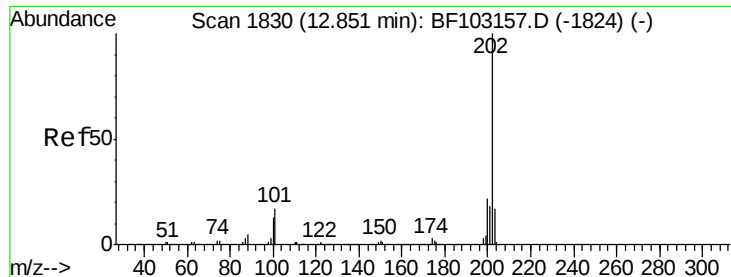
Delta R.T. 0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 13.8  | 9.5        | 14.3  |
| 236     | 27.9  | 20.7       | 31.1  |





#77

Pvrene

Concen: 32.861 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

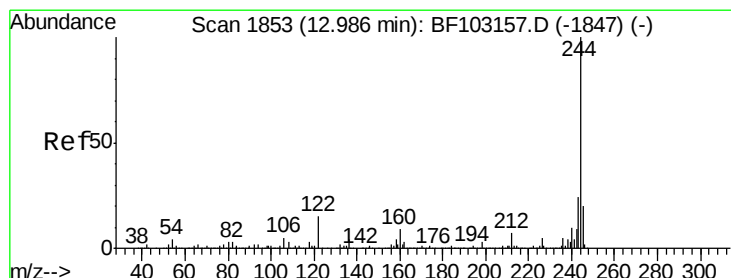
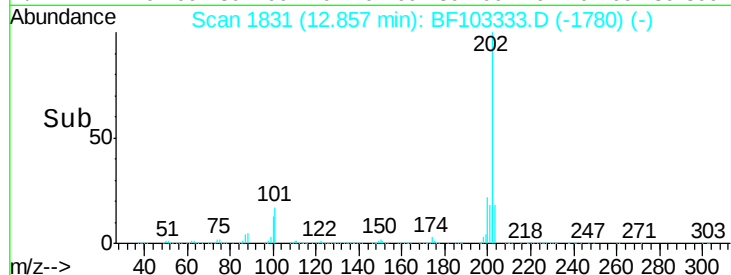
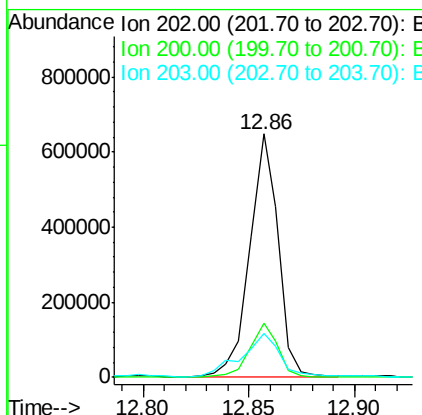
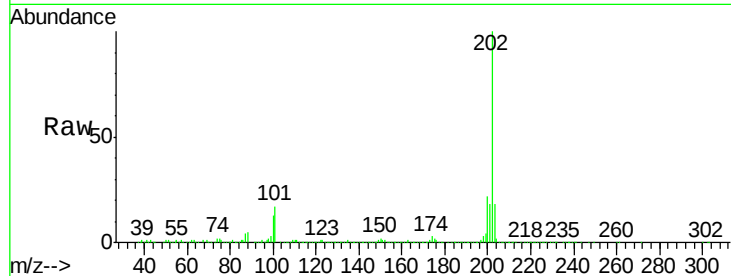
ClientSampled :

SP-38

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 607278 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 22.2 | 17.4  | 26.2   |
| 203       | 18.2 | 14.3  | 21.5   |

Manual Integrations  
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Sohil  
3/2/2018 3:30:30 PM



#78

Terphenyl-d14

Concen: 68.495 ng

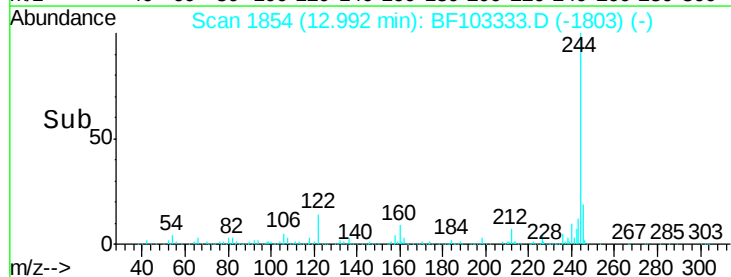
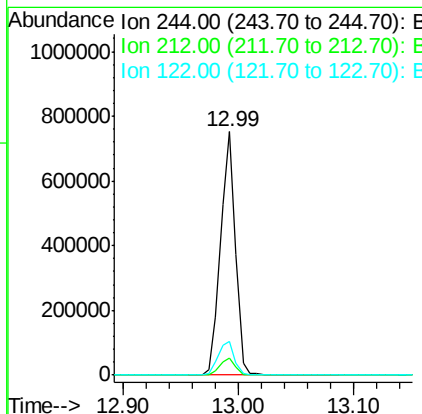
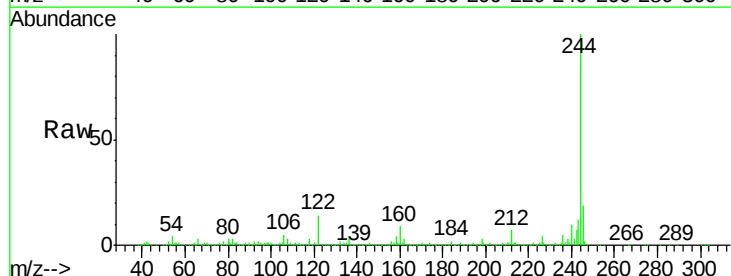
RT: 12.99 min Scan# 1854

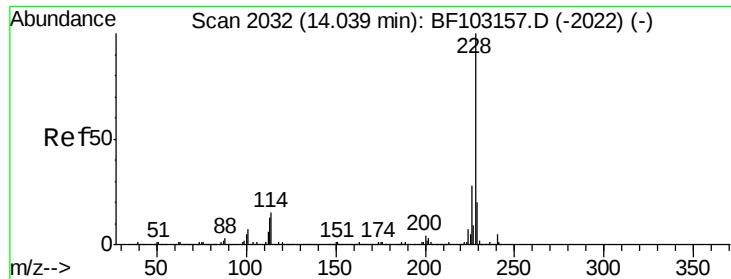
Delta R.T. 0.00 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 675382 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 7.1  | 5.4   | 8.0    |
| 122       | 14.1 | 11.0  | 16.4   |





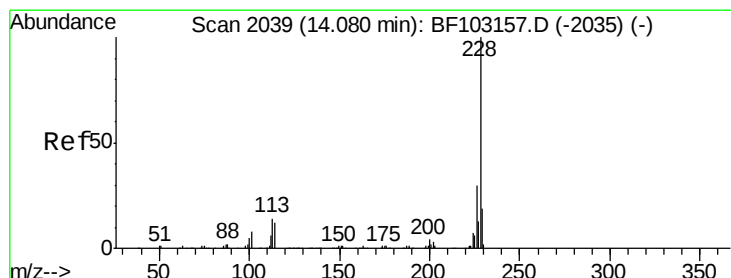
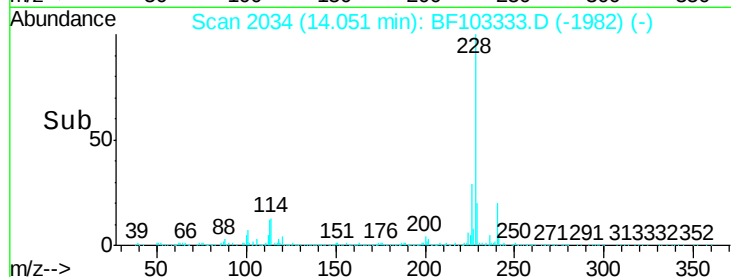
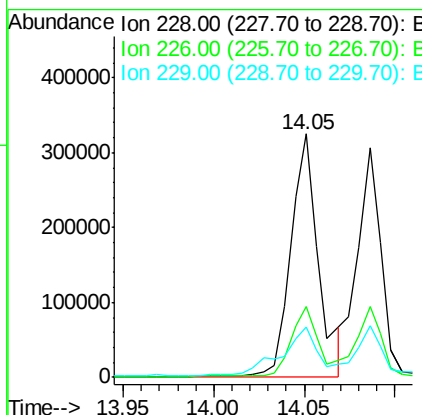
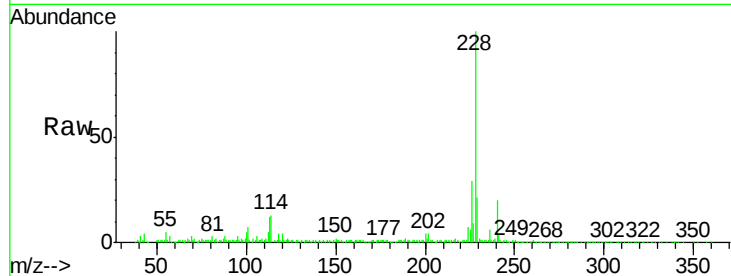
#80  
Benzo(a)anthracene  
Concen: 22.474 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampleId :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.8  | 22.6  | 33.8  |
| 229     | 20.5  | 15.8  | 23.6  |

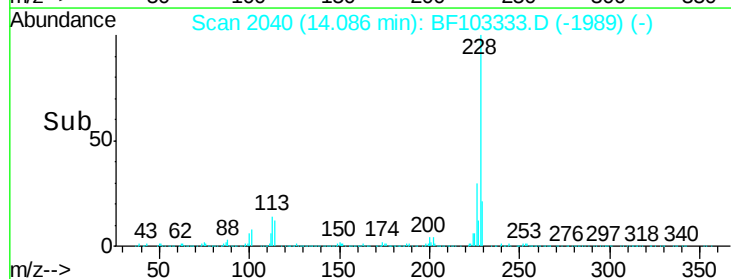
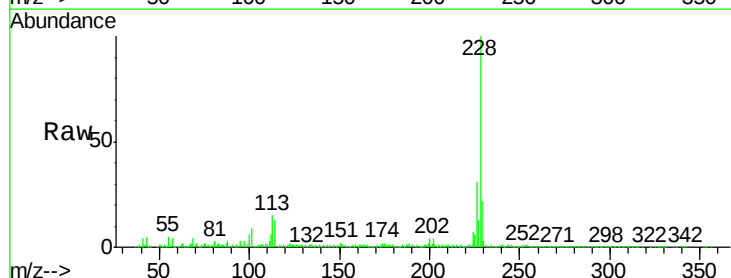
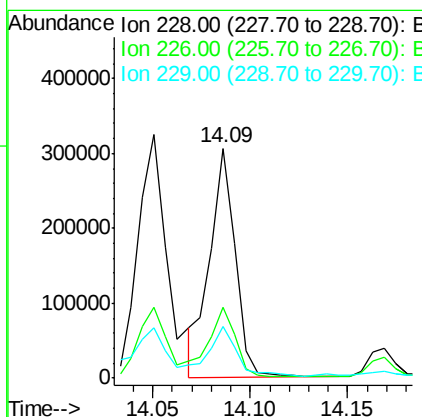
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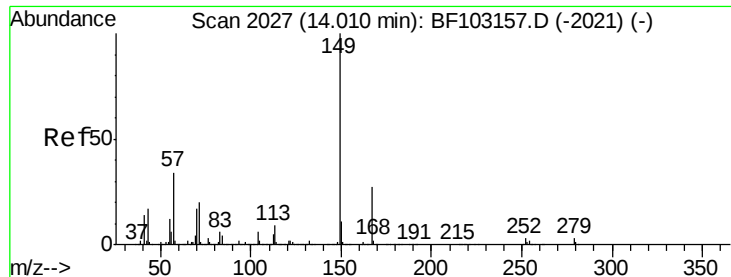
Sohil  
3/2/2018 3:30:30 PM



#82  
Chrysene  
Concen: 18.747 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 25.0  | 37.6  |
| 229     | 22.4  | 16.2  | 24.4  |





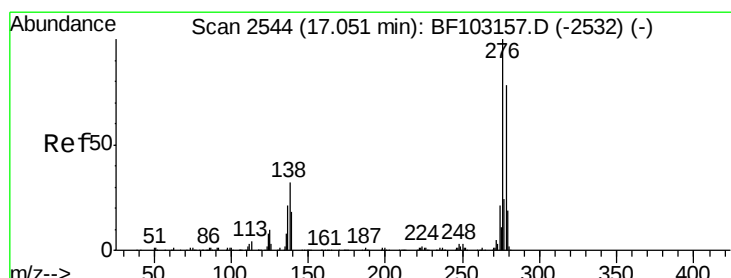
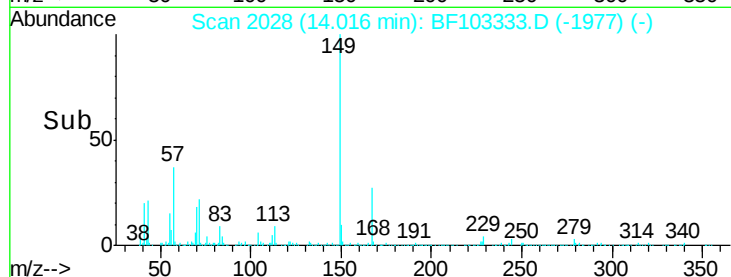
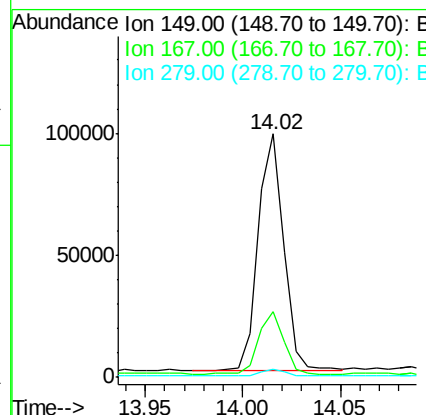
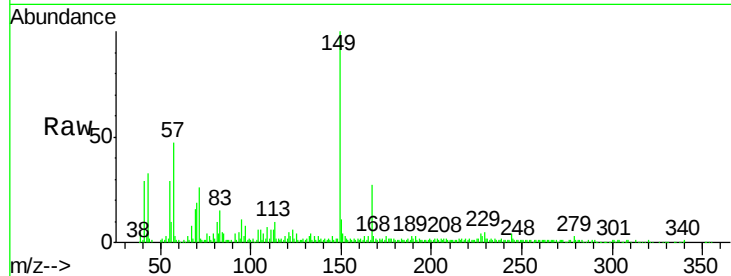
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 6.706 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampled :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.2  | 21.3  | 31.9  |
| 279     | 3.1   | 3.0   | 4.4   |

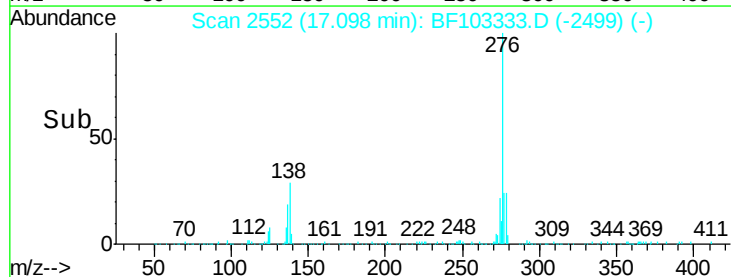
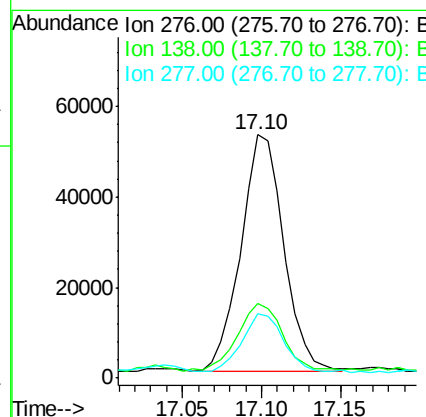
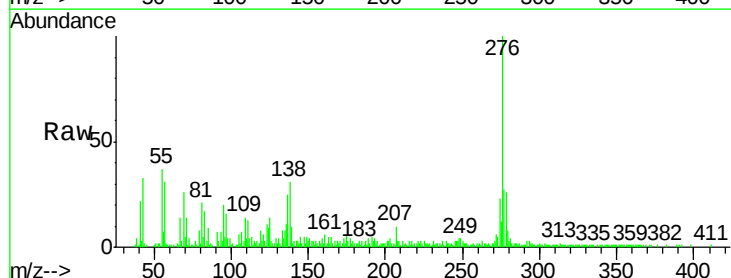
Manual Integrations  
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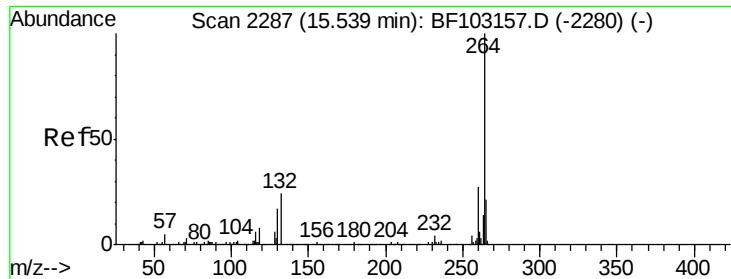
Sohil  
3/2/2018 3:30:30 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 8.314 ng  
RT: 17.10 min Scan# 2552  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.7  | 25.0  | 37.6  |
| 277     | 23.9  | 20.1  | 30.1  |





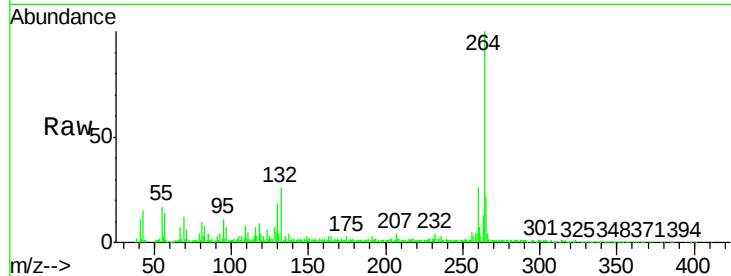
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.57 min Scan# 2292  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampleId :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |

Manual Integrations  
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Sohil  
3/2/2018 3:30:30 PM

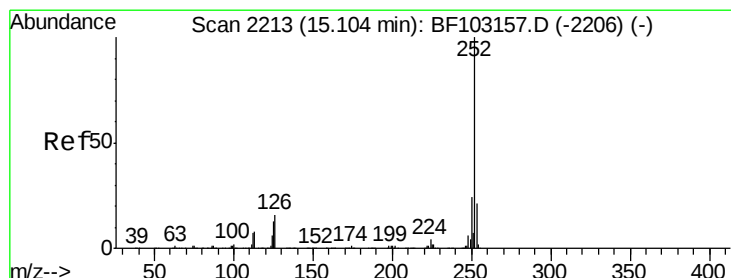
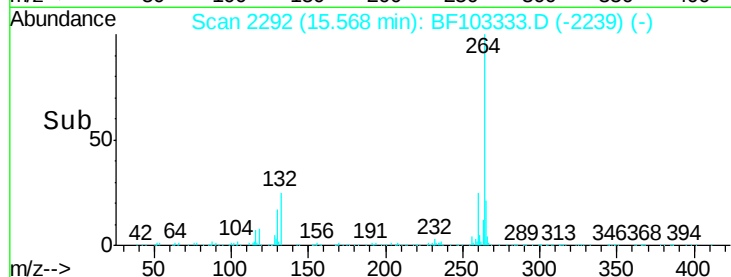
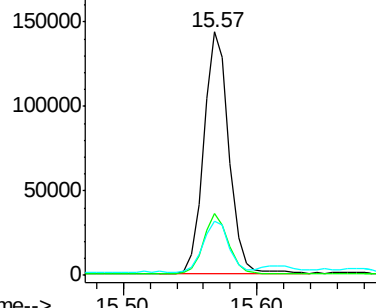


Abundance

Ion 264.00 (263.70 to 264.70): E

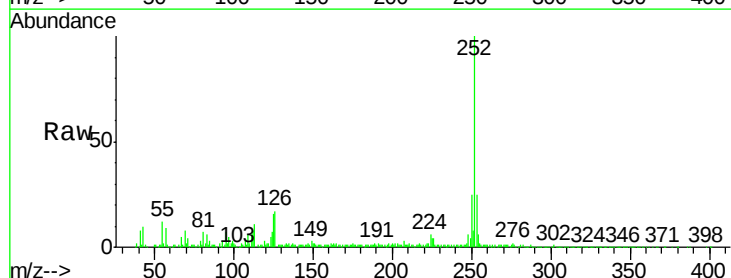
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87  
Benzo(b)fluoranthene  
Concen: 25.394 ng m  
RT: 15.13 min Scan# 2217  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 17.0  | 25.6  |
| 125     | 16.0  | 9.0   | 13.6# |

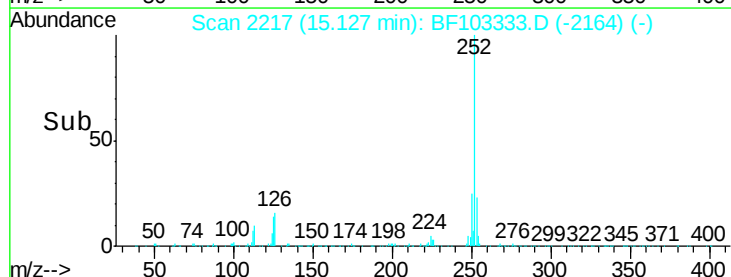
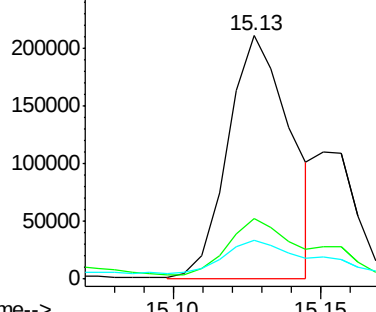


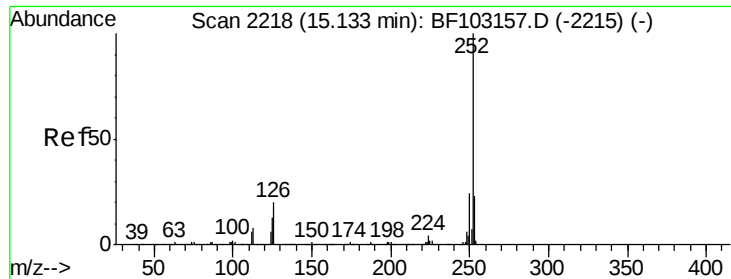
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





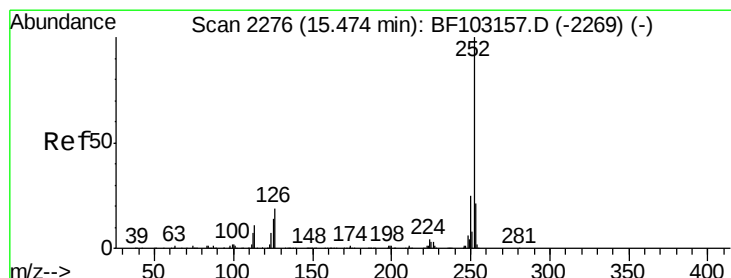
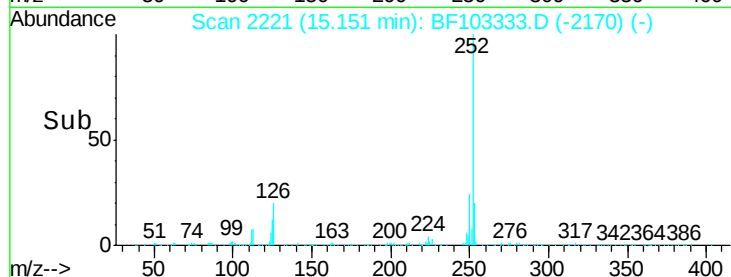
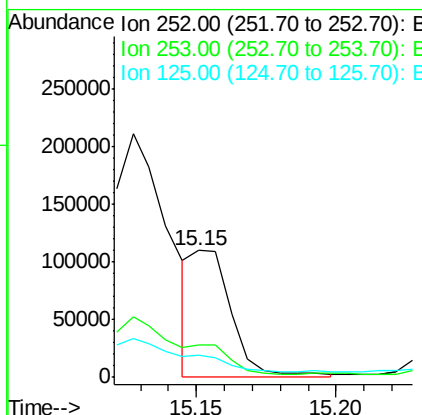
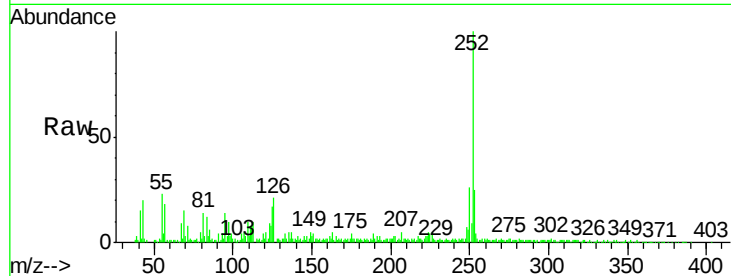
#88  
Benzo(k)fluoranthene  
Concen: 9.405 ng m  
RT: 15.15 min Scan# 2221  
Delta R.T. 0.00 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

Instrument :  
BNA\_F  
ClientSampleId :  
SP-38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 17.9  | 26.9  |
| 125     | 17.0  | 10.2  | 15.2  |

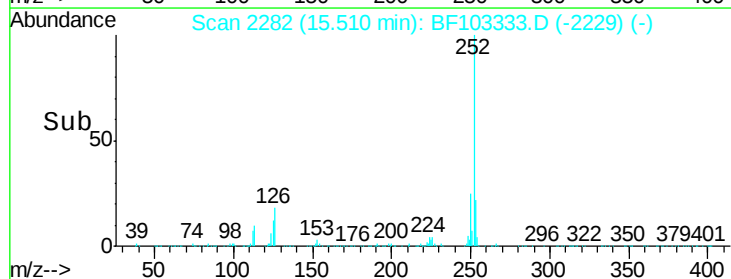
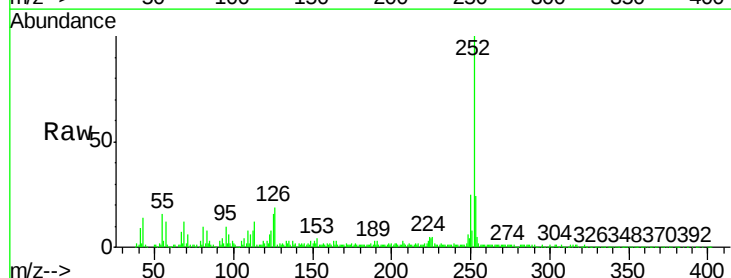
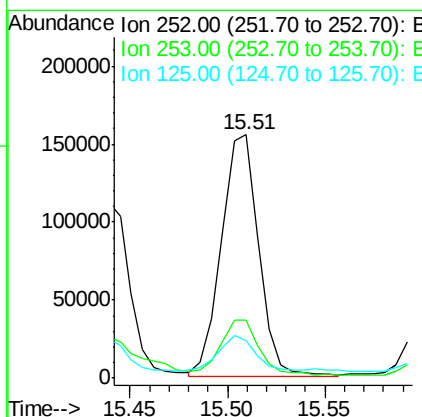
Manual Integrations  
APPROVED

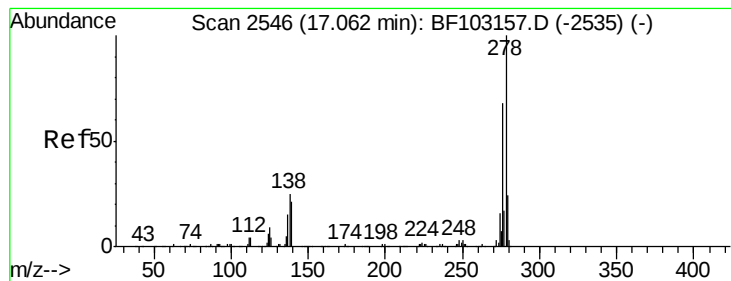
Sohil  
3/2/2018 3:30:30 PM



#89  
Benzo(a)pyrene  
Concen: 18.612 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. 0.01 min  
Lab File: BF103333.D  
Acq: 1 Mar 2018 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 17.1  | 25.7  |
| 125     | 15.6  | 9.8   | 14.6  |





#90

Dibenzo(a,h)anthracene

Concen: 3.070 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

Instrument :

BNA\_F

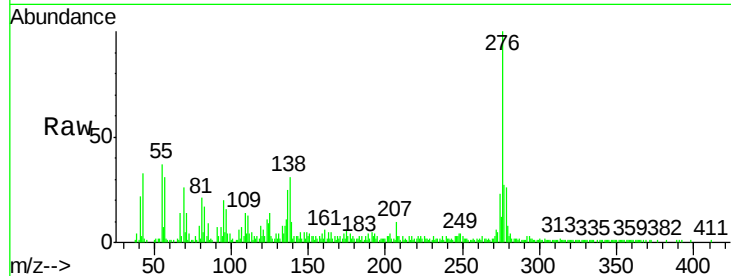
ClientSampled :

SP-38

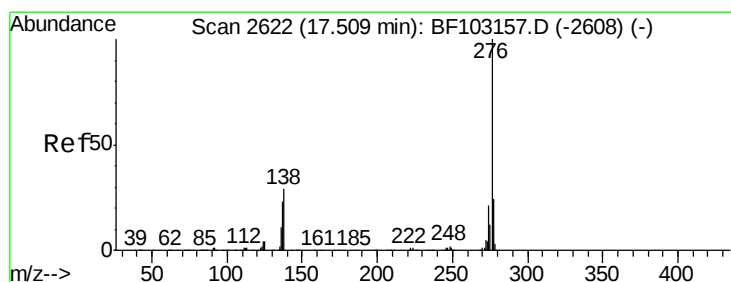
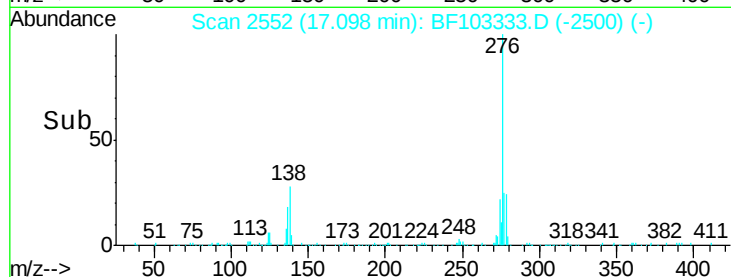
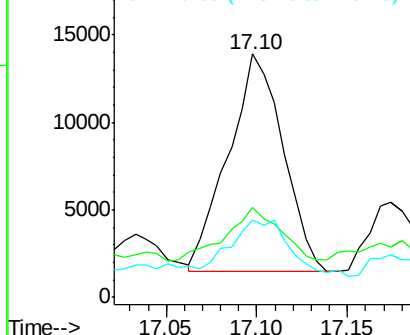
|             |       |            |
|-------------|-------|------------|
| Tot Ion:278 | Resp: | 26121      |
| Ion Ratio   | Lower | Upper      |
| 278         | 100   |            |
| 139         | 36.8  | 15.9 23.9# |
| 279         | 31.8  | 19.0 28.4# |

Manual Integrations  
APPROVED

Sohil  
3/2/2018 3:30:30 PM



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.498 ng

RT: 17.57 min Scan# 2632

Delta R.T. 0.03 min

Lab File: BF103333.D

Acq: 1 Mar 2018 13:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 95613     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 277         | 26.0  | 17.9 26.9 |
| 138         | 31.5  | 21.8 32.8 |

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

