

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106783.D  
 Acq On : 25 Jun 2018 20:36  
 Operator : JU/SJ  
 Sample : J3595-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SC-01-ABC

Manual Integrations  
 APPROVED

Sohil  
 6/27/2018 10:55:37 AM

Quant Time: Jun 26 09:12:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 54672    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 212663   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 110586   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 214224   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 139110   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 149801   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 340524   | 105.47 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 434634   | 107.80 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 282847   | 73.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 151167   | 117.94 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 526499   | 79.66  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 569582   | 99.18  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.70  | 163  | 69722    | 8.406  | ng    | 98       |
| 74) Fluoranthene            | 12.71 | 202  | 39319    | 3.453  | ng    | 95       |
| 77) Pyrene                  | 12.94 | 202  | 31166    | 3.397  | ng    | 99       |
| 87) Benzo(b)fluoranthene    | 15.22 | 252  | 20571m   | 2.211  | ng    |          |

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

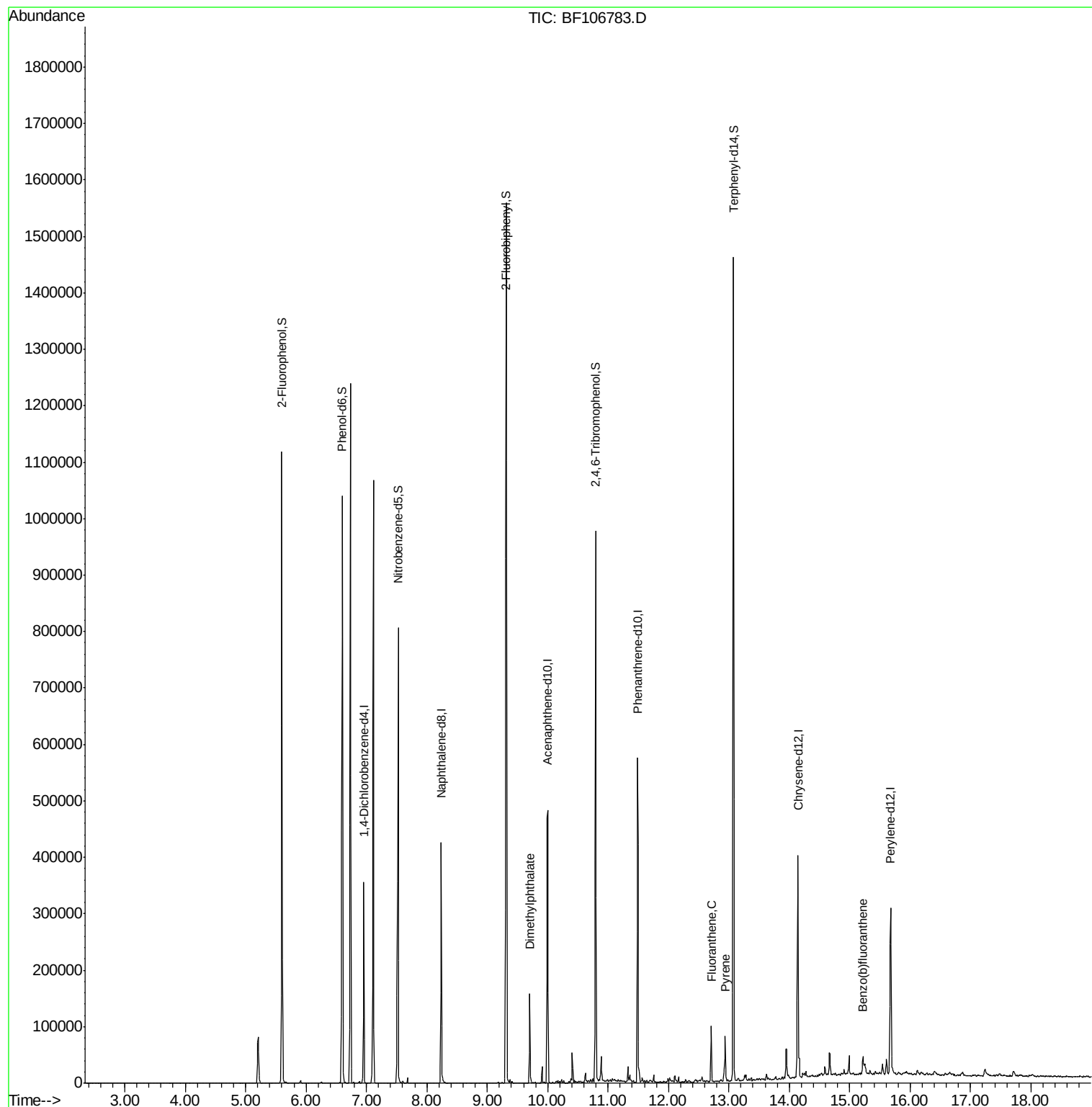
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
Data File : BF106783.D  
Acq On : 25 Jun 2018 20:36  
Operator : JU/SJ  
Sample : J3595-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

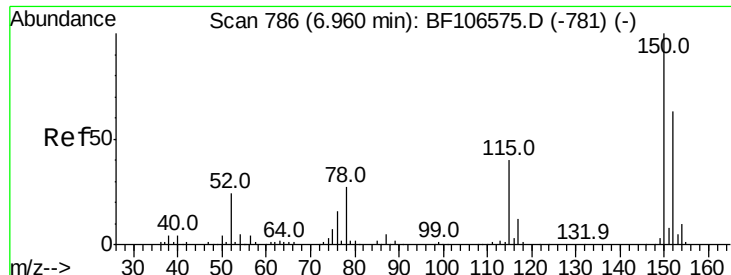
Instrument :  
BNA\_F  
ClientSampleId :  
SC-01-ABC

Quant Time: Jun 26 09:12:22 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Sohil  
6/27/2018 10:55:37 AM





#1

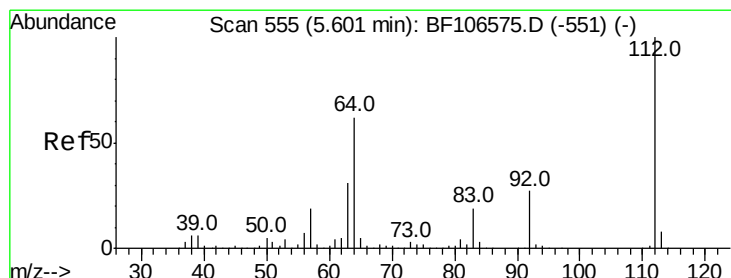
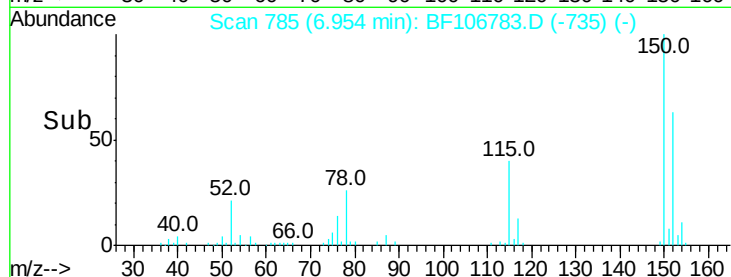
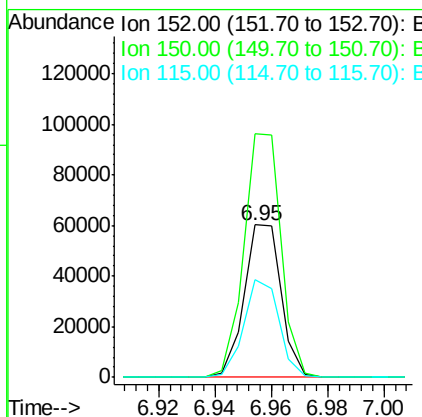
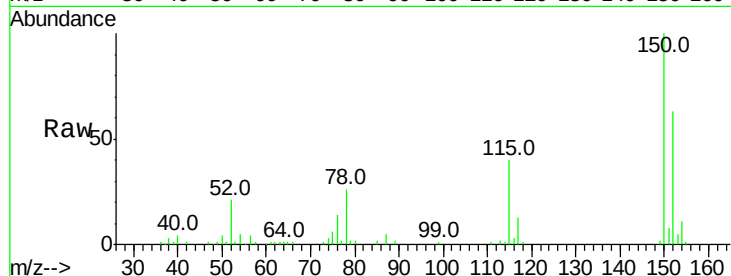
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

Instrument :  
BNA\_F  
ClientSampleId :  
SC-01-ABC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.9 | 124.6 | 186.8 |
| 115     | 64.0  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

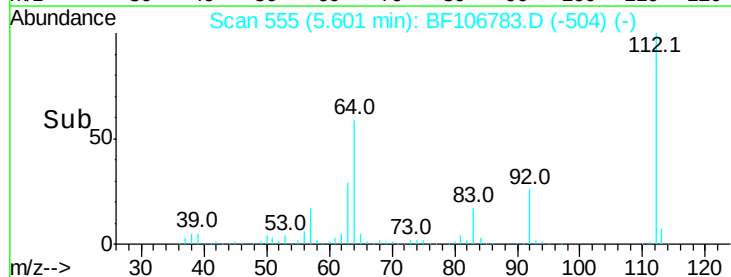
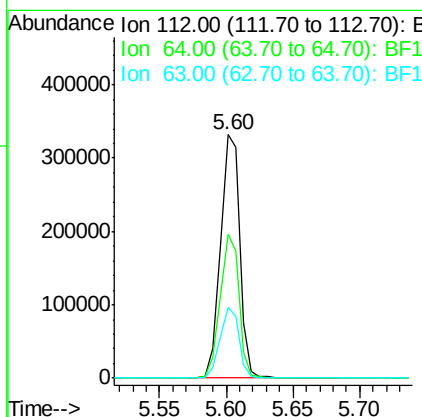
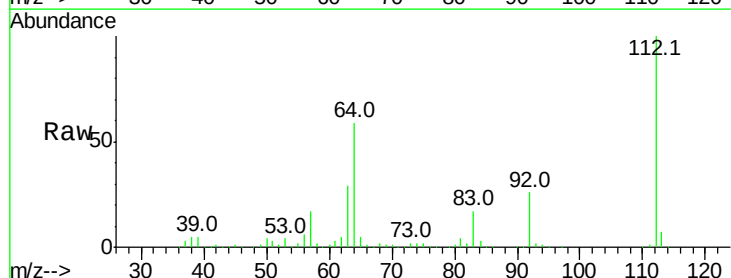
Sohil  
6/27/2018 10:55:37 AM

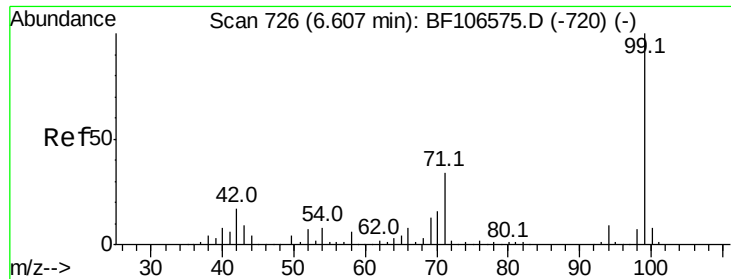


#5

2-Fluorophenol  
Concen: 105.468 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.8  | 47.9  | 71.9  |
| 63      | 28.9  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 107.796 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

Instrument :

BNA\_F

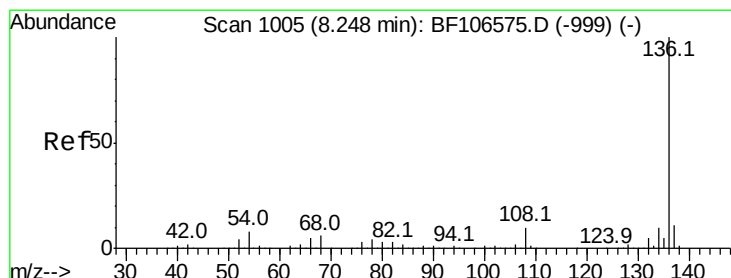
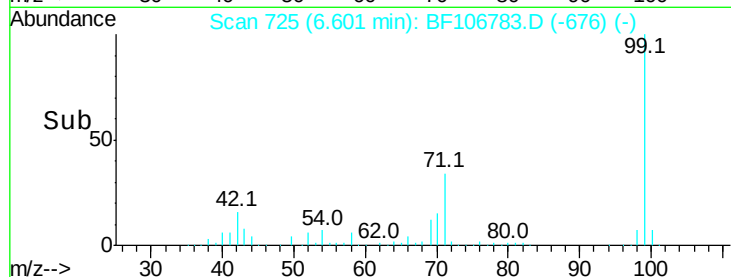
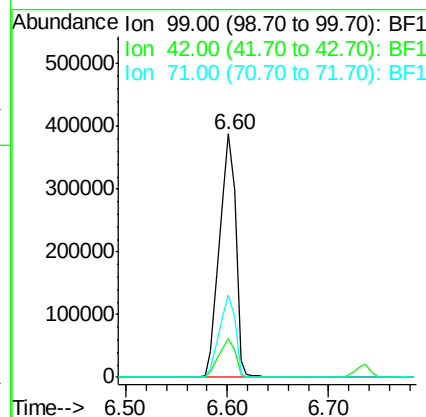
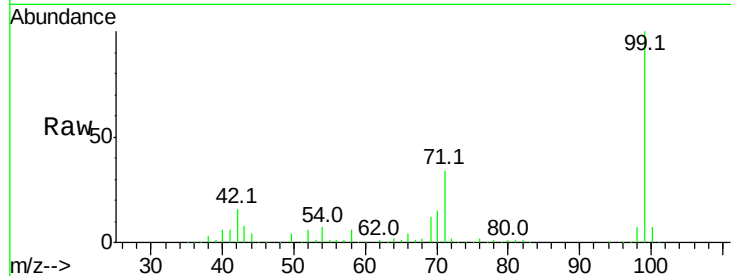
ClientSampled :

SC-01-ABC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 434634 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.1  | 14.5  | 21.7   |
| 71        | 33.8  | 25.4  | 38.0   |

Manual Integrations  
APPROVED

Sohil  
6/27/2018 10:55:37 AM



#21

Naphthalene-d8

Concen: 20.000 ng

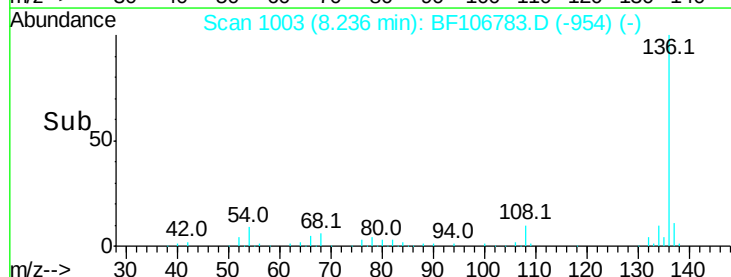
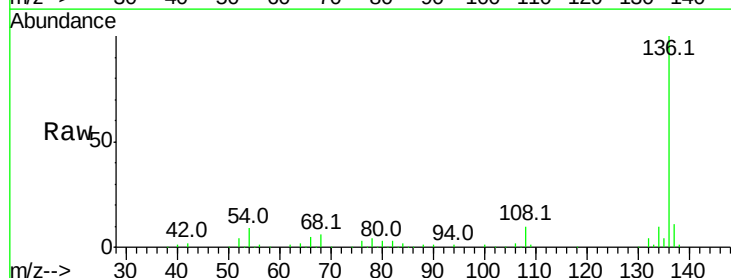
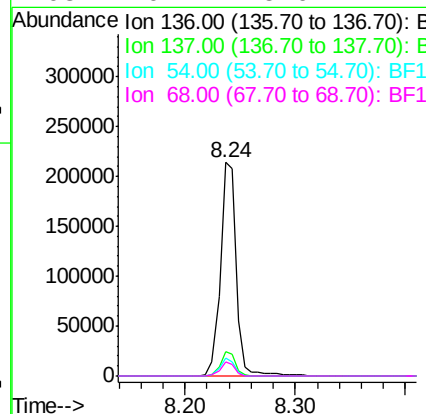
RT: 8.24 min Scan# 1003

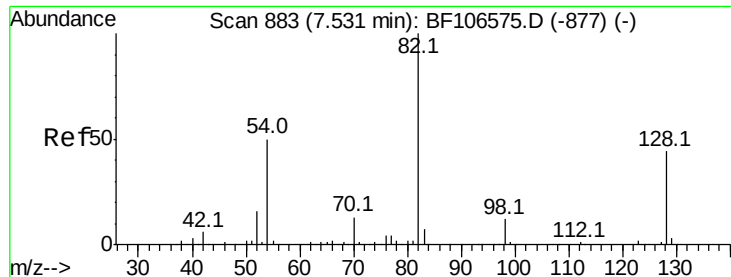
Delta R.T. -0.01 min

Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 212663 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.9   | 13.3   |
| 54        | 8.6   | 6.6   | 9.8    |
| 68        | 6.4   | 5.0   | 7.4    |





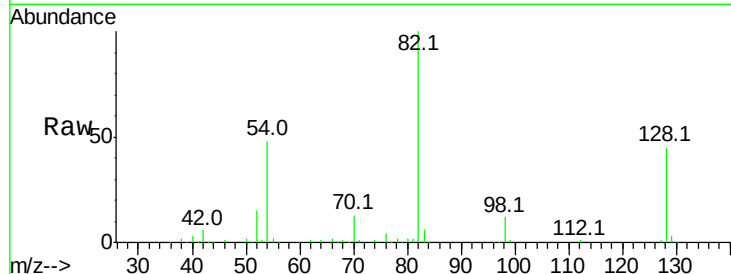
#23  
Nitrobenzene-d5  
Concen: 73.914 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

Instrument :  
BNA\_F  
ClientSampleId :  
SC-01-ABC

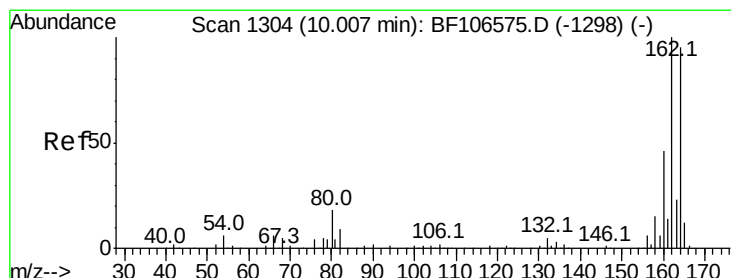
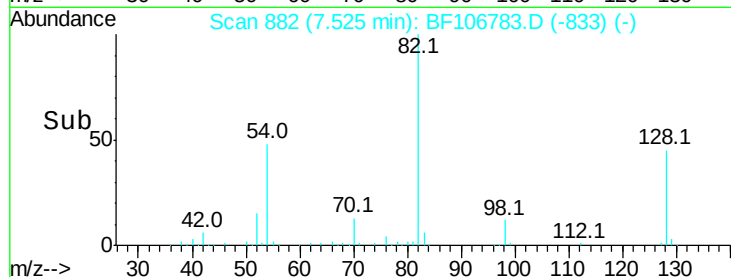
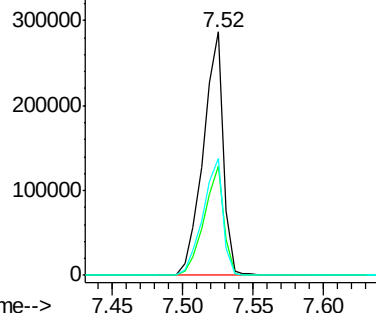
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 45.0  | 36.1 | 54.1  |       |
| 54      | 47.8  | 41.4 | 62.2  |       |

Manual Integrations  
APPROVED

Sohil  
6/27/2018 10:55:37 AM

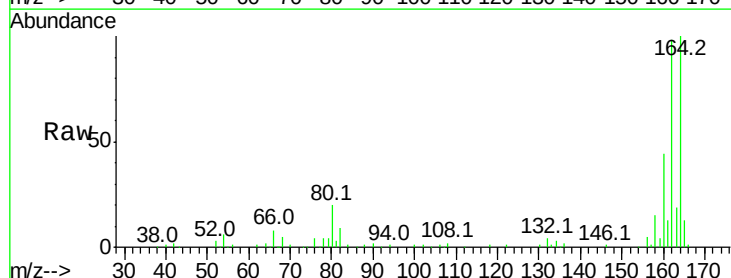


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

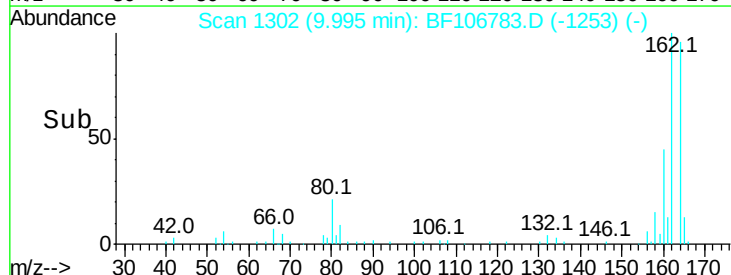
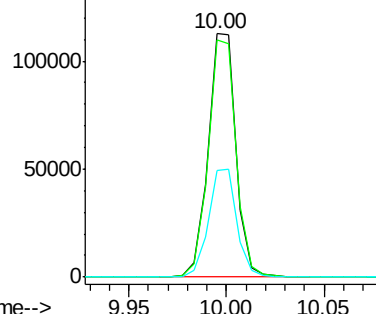


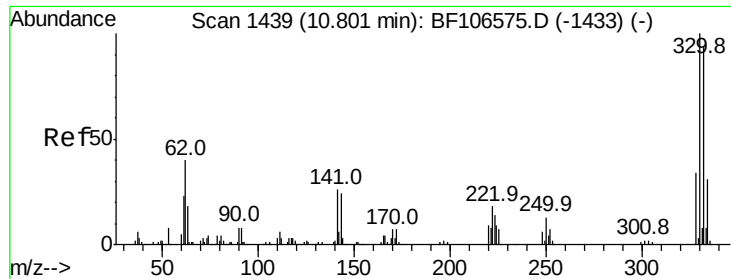
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 97.5  | 86.1 | 129.1 |       |
| 160     | 43.6  | 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





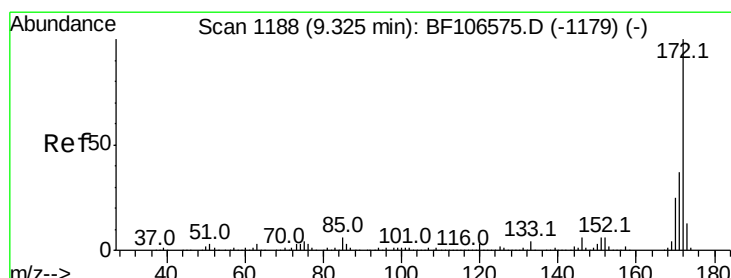
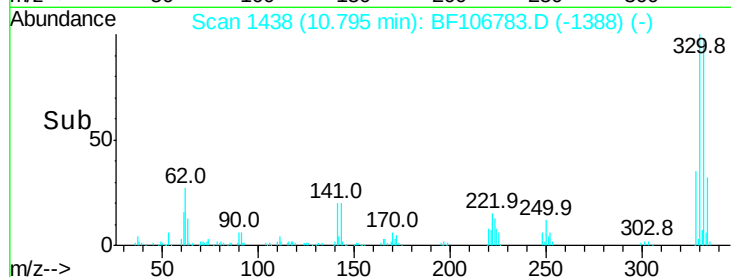
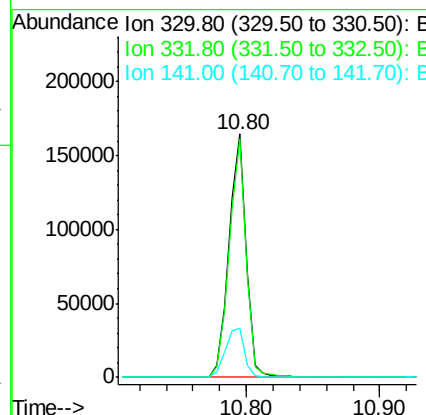
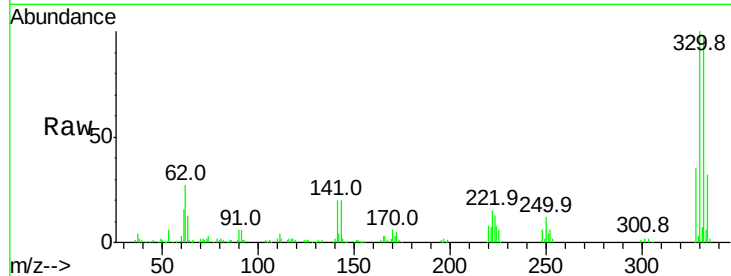
#41  
 2,4,6-Tribromophenol  
 Concen: 117.941 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106783.D  
 Acq: 25 Jun 2018 20:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SC-01-ABC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 151167 |       |       |
| 332     | 96.0  | 77.0   | 115.6 |       |
| 141     | 22.3  | 29.9   | 44.9  |       |

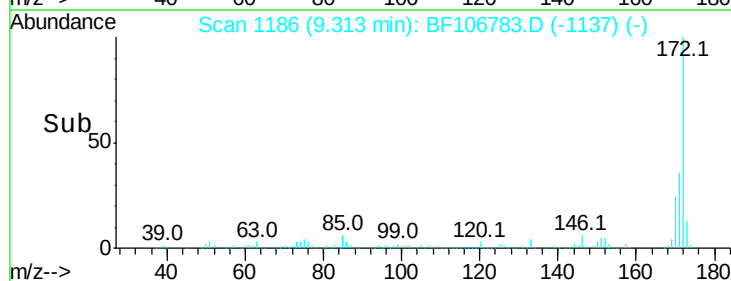
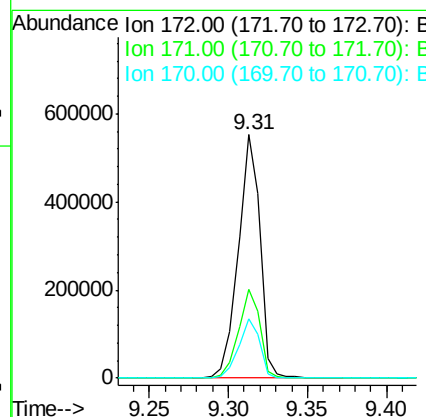
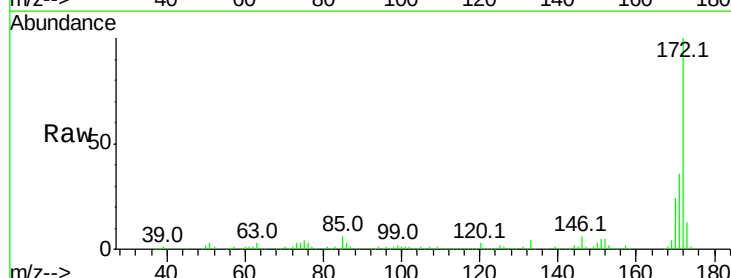
Manual Integrations  
 APPROVED

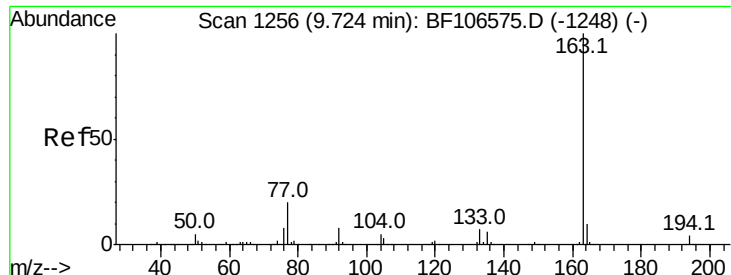
Sohil  
 6/27/2018 10:55:37 AM



#44  
 2-Fluorobiphenyl  
 Concen: 79.659 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106783.D  
 Acq: 25 Jun 2018 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 526499 |       |       |
| 171     | 36.4  | 29.7   | 44.5  |       |
| 170     | 24.3  | 19.6   | 29.4  |       |





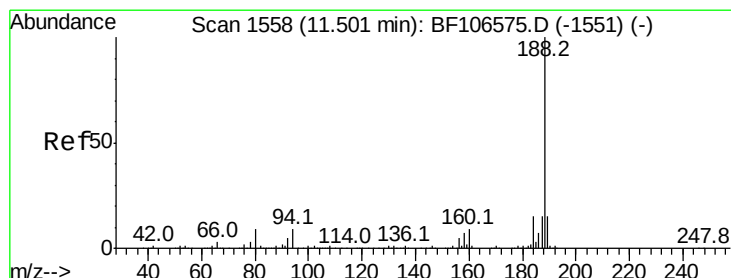
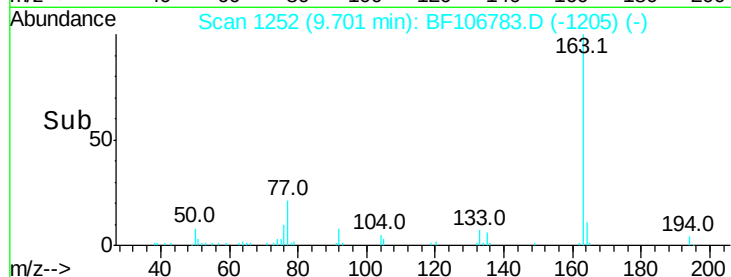
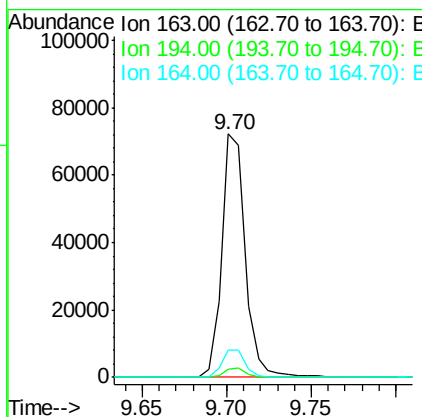
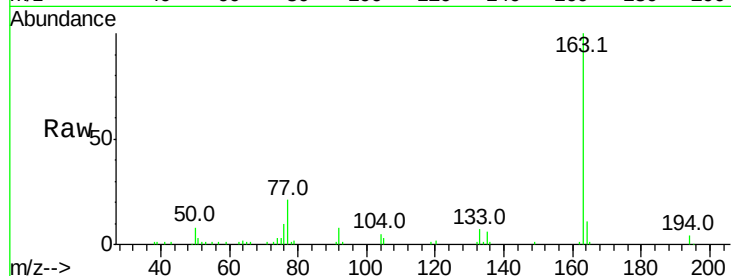
#49  
Dimethylphthalate  
Concen: 8.406 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

Instrument :  
BNA\_F  
ClientSampleId :  
SC-01-ABC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 69722 |       |       |
| 194     | 3.6   |       | 2.7   | 4.1   |
| 164     | 11.1  |       | 8.2   | 12.2  |

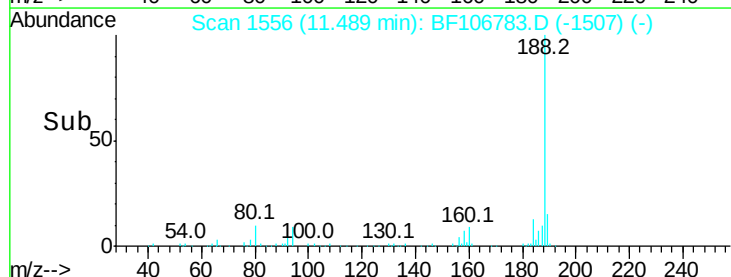
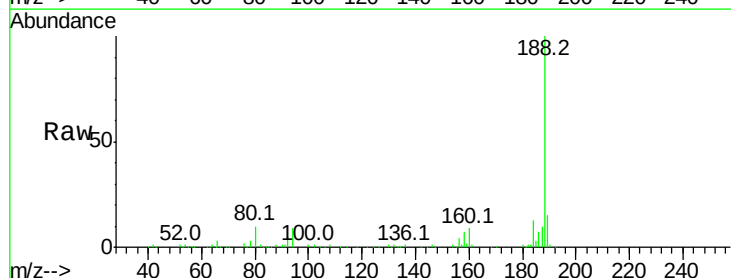
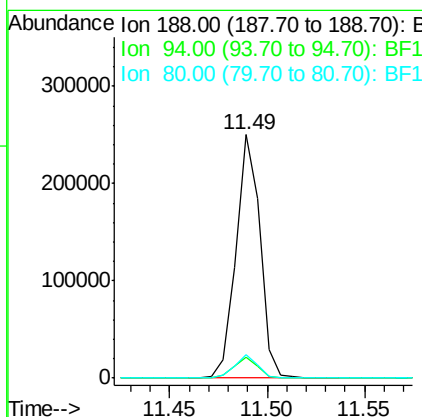
Manual Integrations  
APPROVED

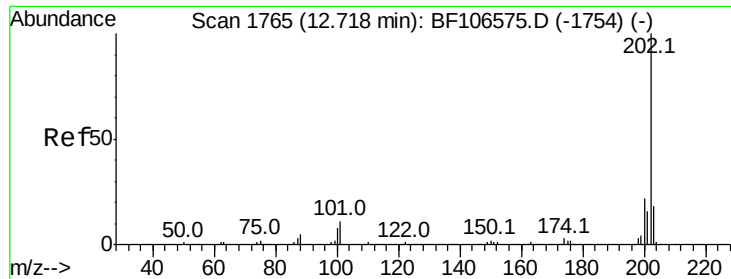
Sohil  
6/27/2018 10:55:37 AM



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 214224 |       |       |
| 94      | 8.5   |        | 8.5   | 12.7  |
| 80      | 9.9   |        | 9.2   | 13.8  |





#74

Fluoranthene

Concen: 3.453 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

Instrument :

BNA\_F

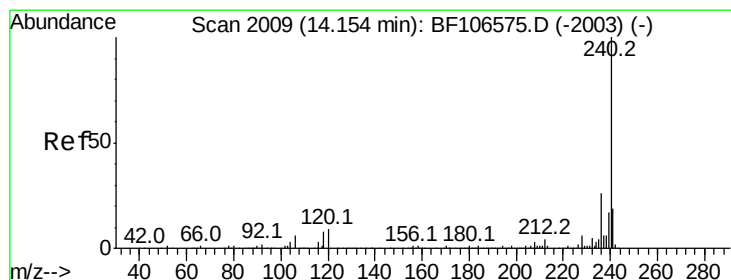
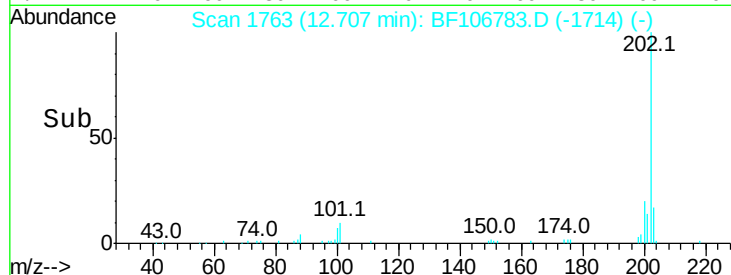
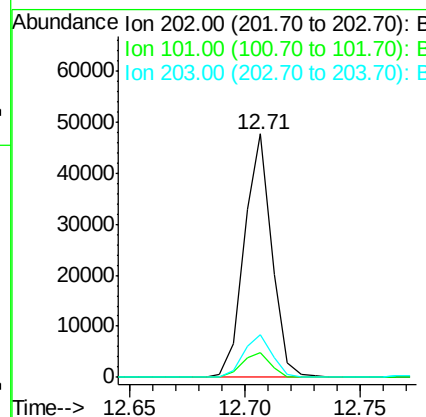
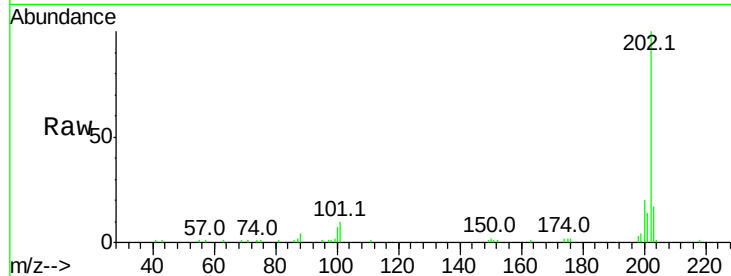
ClientSampleId :

SC-01-ABC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 39319 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.1  | 0.0   | 34.1  |
| 203       | 17.4  | 0.0   | 38.1  |

Manual Integrations  
APPROVED

Sohil  
6/27/2018 10:55:37 AM



#75

Chrysene-d12

Concen: 20.000 ng

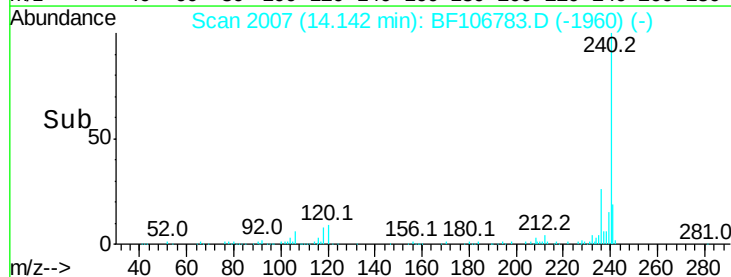
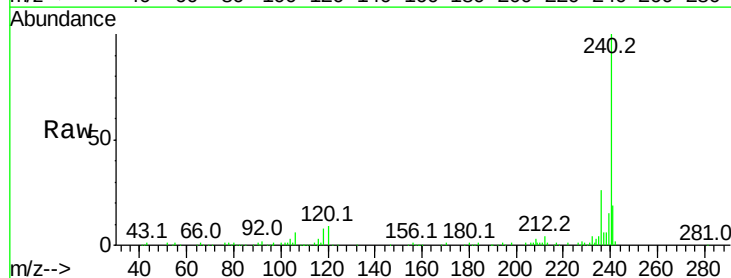
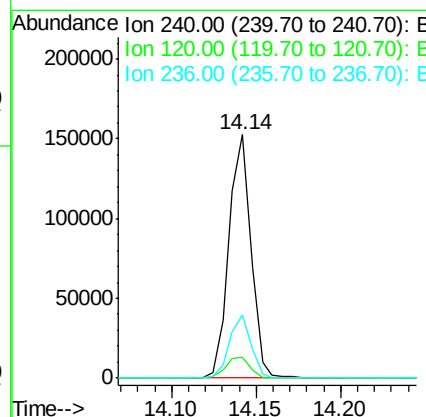
RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

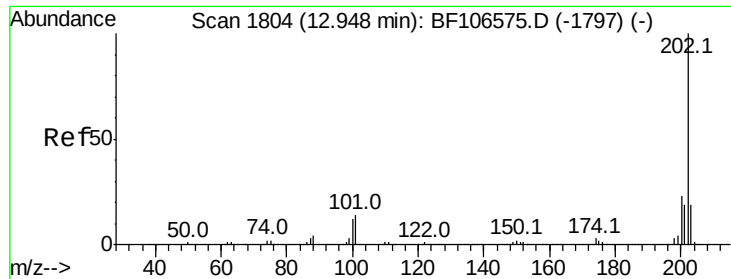
Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 139110 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.8   | 9.5   | 14.3#  |
| 236       | 25.7  | 20.7  | 31.1   |







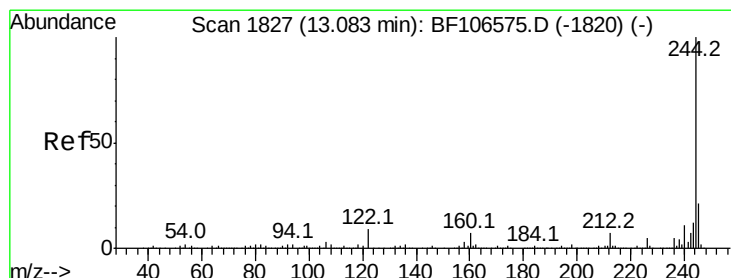
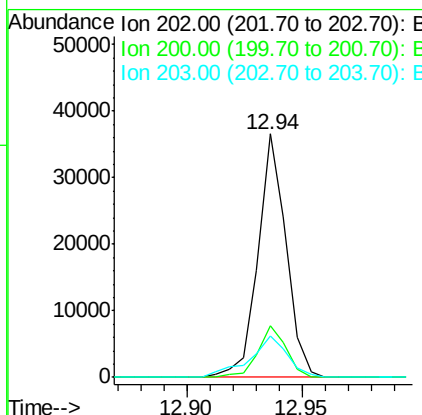
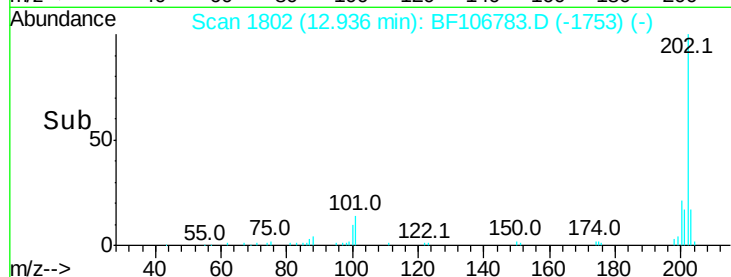
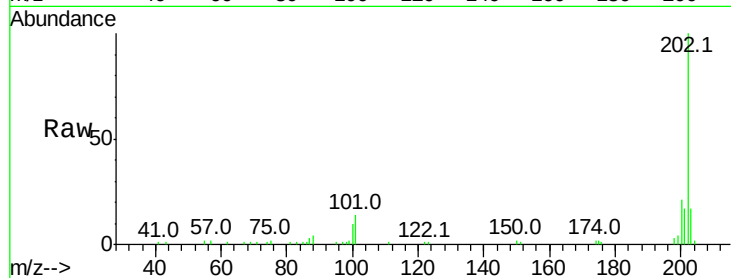
#77  
Pvrene  
Concen: 3.397 ng  
RT: 12.94 min Scan# 1802  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

Instrument :  
BNA\_F  
ClientSampled :  
SC-01-ABC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 17.4  | 26.2  |
| 203     | 17.2  | 14.3  | 21.5  |

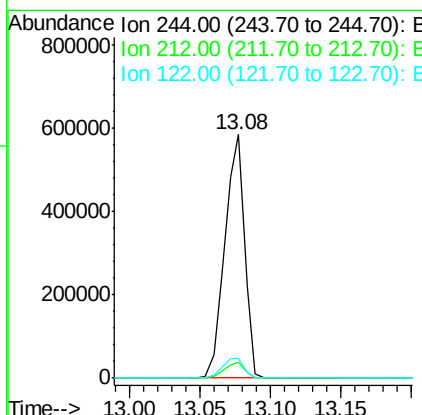
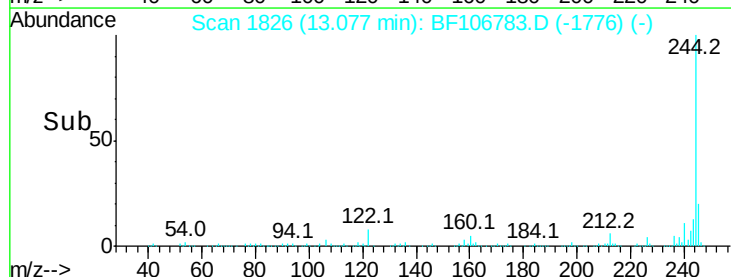
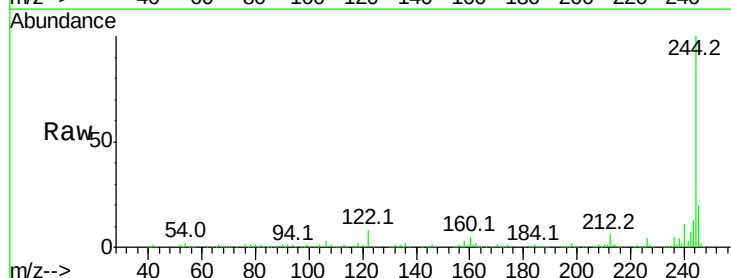
Manual Integrations  
APPROVED

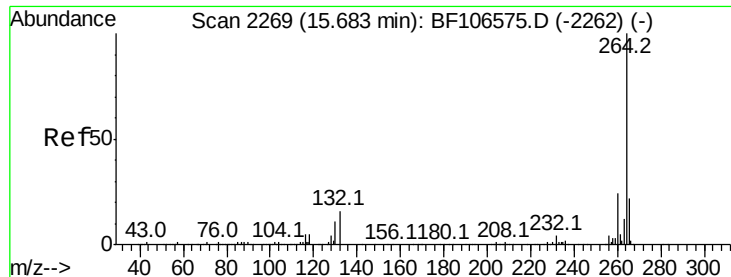
Sohil  
6/27/2018 10:55:37 AM



#78  
Terphenyl-d14  
Concen: 99.180 ng  
RT: 13.08 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF106783.D  
Acq: 25 Jun 2018 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.3   | 5.4   | 8.0   |
| 122     | 8.1   | 11.0  | 16.4# |





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

Instrument :

BNA\_F

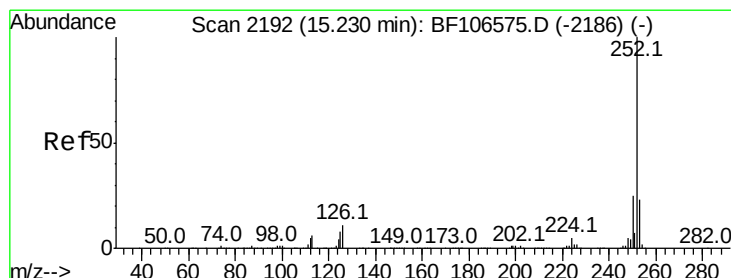
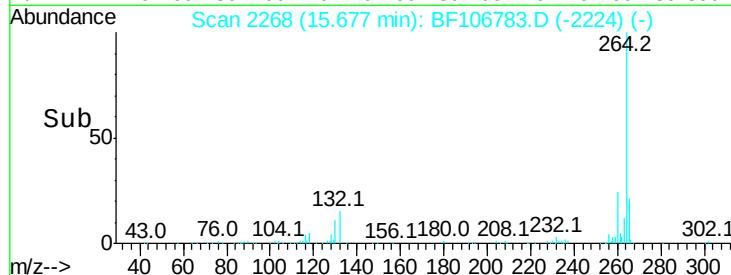
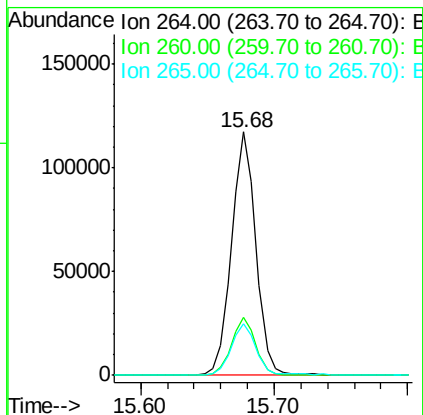
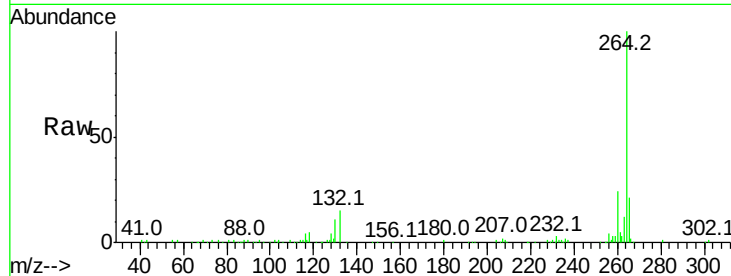
ClientSampleId :

SC-01-ABC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 149801 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.8 | 19.2  | 28.8   |
| 265       | 21.4 | 17.5  | 26.3   |

Manual Integrations  
APPROVED

Sohil  
6/27/2018 10:55:37 AM



#87

Benzo(b)fluoranthene

Concen: 2.211 ng m

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF106783.D

Acq: 25 Jun 2018 20:36

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 252  | Resp: | 20571 |
| Ion Ratio |      | Lower | Upper |
| 252       | 100  |       |       |
| 253       | 23.5 | 17.0  | 25.6  |
| 125       | 10.4 | 9.0   | 13.6  |

