

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
 Data File : BF100787.D  
 Acq On : 21 Nov 2017 18:19  
 Operator : SJ/JU  
 Sample : I6499-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

Manual Integrations  
 APPROVED

Sohil  
 11/22/2017 5:04:19 PM

Quant Time: Nov 22 06:25:32 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 81951    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 317737   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.91  | 164  | 140190   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.40 | 188  | 240534   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.04 | 240  | 161879   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.52 | 264  | 187870   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 566923   | 110.89 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.50  | 99   | 678217   | 107.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 423032   | 88.02  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 156405   | 109.49 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 760723   | 82.63  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.98 | 244  | 535781   | 76.05  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 10) Phenol                     | 6.51  | 94   | 39260    | 5.932  | ng    | 81       |
| 48) Acenaphthylene             | 9.77  | 152  | 46180    | 3.168  | ng    | 98       |
| 49) Dimethylphthalate          | 9.62  | 163  | 65495    | 6.119  | ng    | 98       |
| 51) Acenaphthene               | 9.94  | 154  | 24247    | 2.735  | ng    | 96       |
| 57) Fluorene                   | 10.45 | 166  | 24496    | 2.691  | ng    | 99       |
| 70) Phenanthrene               | 11.42 | 178  | 470016   | 37.113 | ng    | 99       |
| 71) Anthracene                 | 11.47 | 178  | 104377   | 8.124  | ng    | 98       |
| 72) Carbazole                  | 11.62 | 167  | 40657    | 3.429  | ng    | 98       |
| 74) Fluoranthene               | 12.62 | 202  | 685818   | 51.097 | ng    | 96       |
| 77) Pyrene                     | 12.84 | 202  | 625203   | 54.180 | ng    | 99       |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 348769   | 35.777 | ng    | 97       |
| 82) Chrysene                   | 14.06 | 228  | 345069m  | 36.554 | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 12996    | 2.100  | ng    | # 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 227155   | 29.750 | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 480612m  | 43.181 | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.11 | 252  | 180823m  | 17.194 | ng    |          |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 350680   | 35.539 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.00 | 278  | 58691    | 7.273  | ng    | 97       |
| 91) Benzo(a,h,i)perylene       | 17.44 | 276  | 202522   | 25.638 | ng    | # 93     |

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

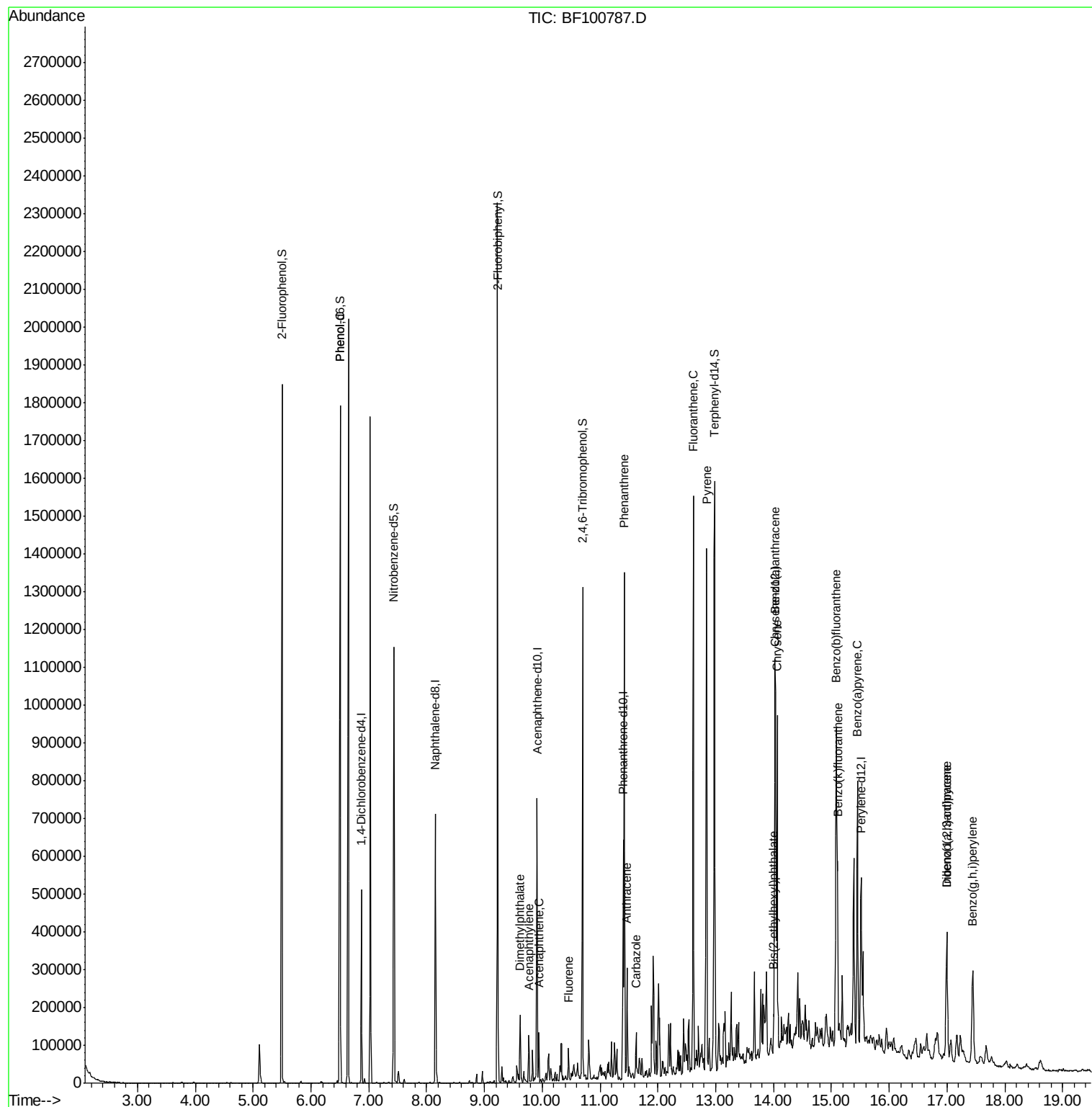
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
Data File : BF100787.D  
Acq On : 21 Nov 2017 18:19  
Operator : SJ/JU  
Sample : I6499-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

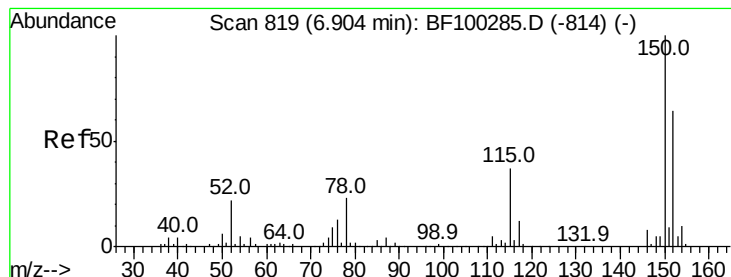
Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM

Quant Time: Nov 22 06:25:32 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 15:22:08 2017  
Response via : Initial Calibration





#1

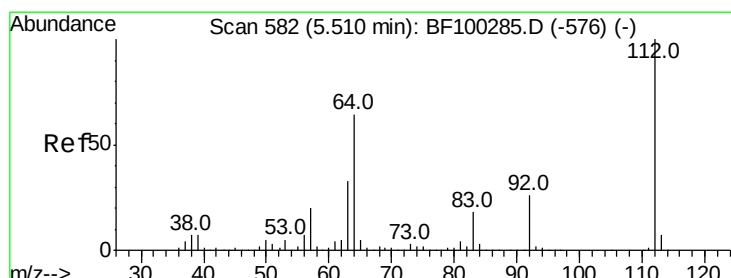
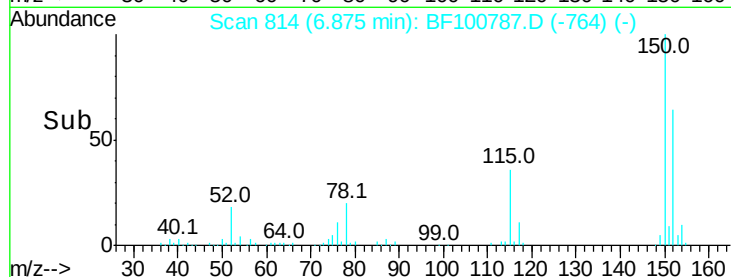
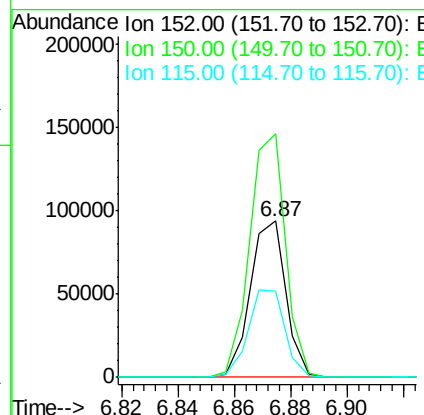
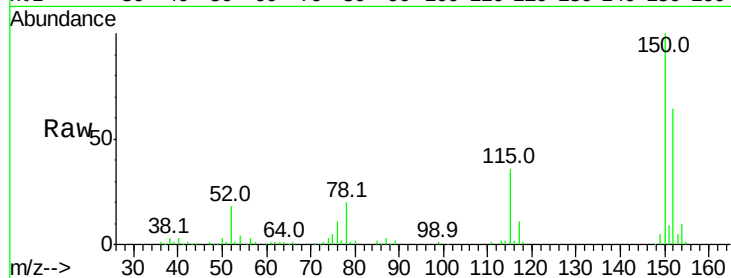
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 124.6 | 186.8 |
| 115     | 55.3  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

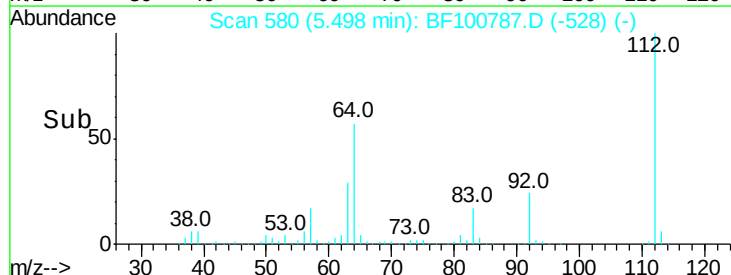
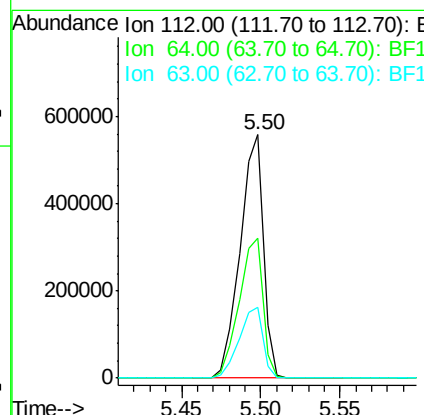
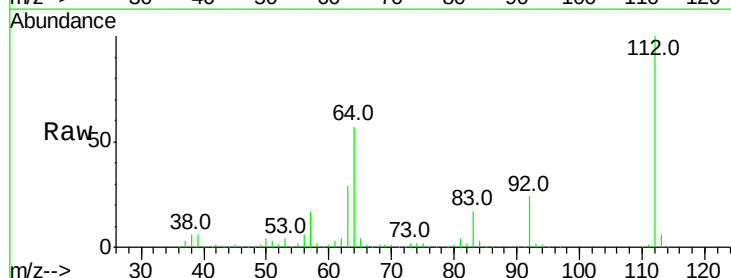
Sohil  
11/22/2017 5:04:19 PM

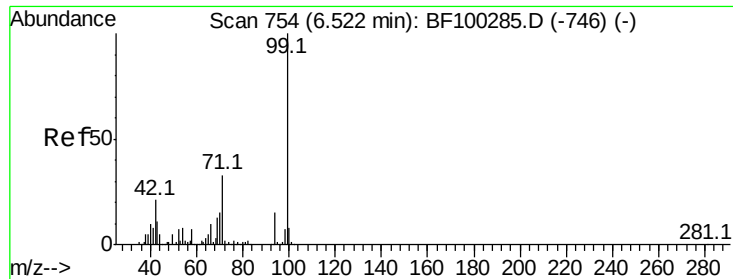


#5

2-Fluorophenol  
Concen: 110.892 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.4  | 47.9  | 71.9  |
| 63      | 29.2  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 107.581 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

Instrument :

BNA\_F

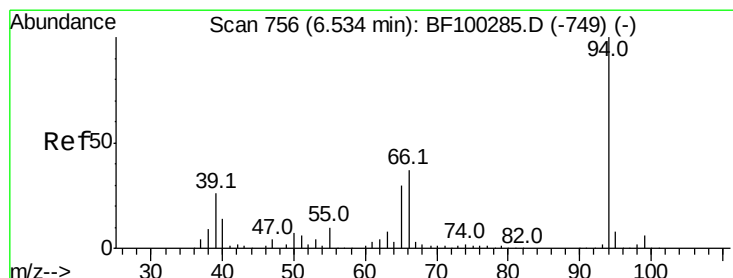
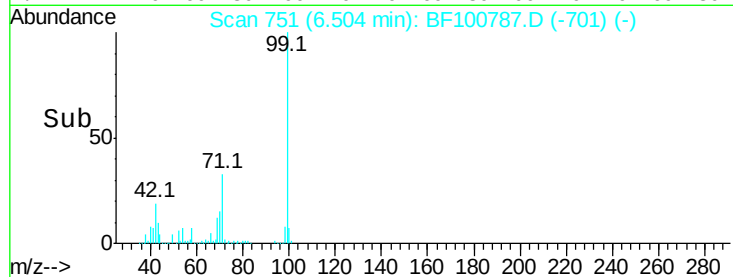
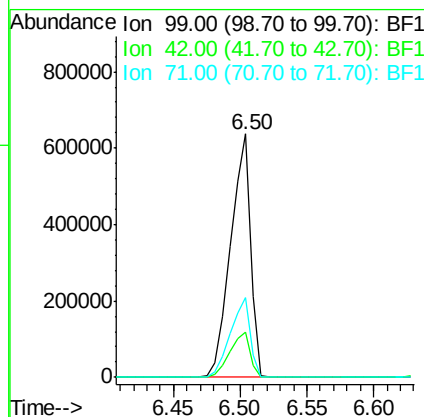
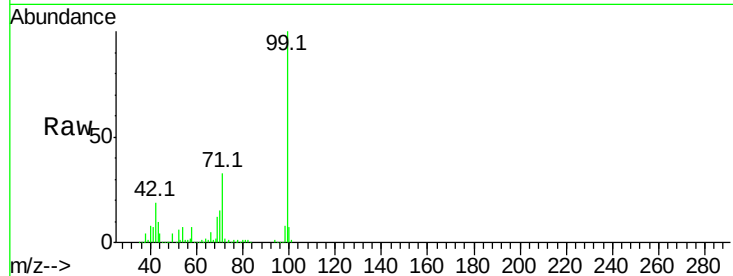
ClientSampleId :

PG1-2-E(0-1)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 678217 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.6  | 14.5  | 21.7   |
| 71        | 32.7  | 25.4  | 38.0   |

Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM



#10

Phenol

Concen: 5.932 ng

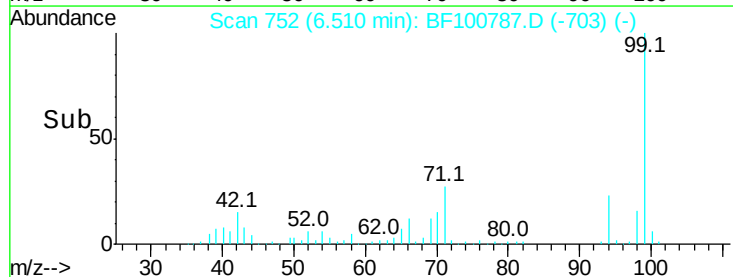
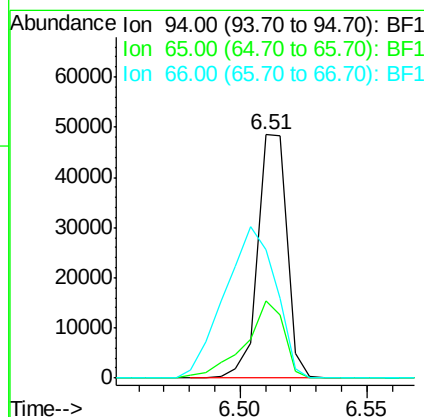
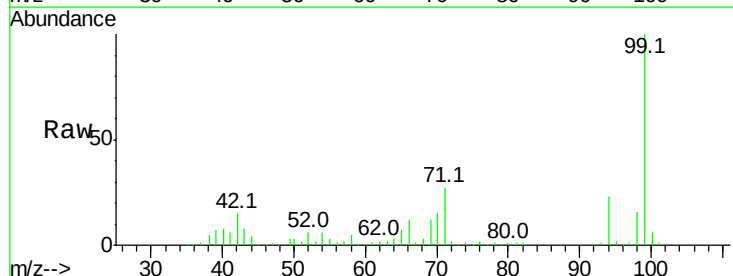
RT: 6.51 min Scan# 752

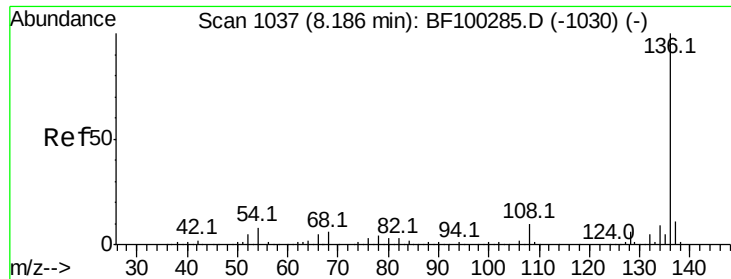
Delta R.T. -0.01 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 39260 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 31.9  | 7.9   | 47.9  |
| 66        | 52.6  | 16.2  | 56.2  |





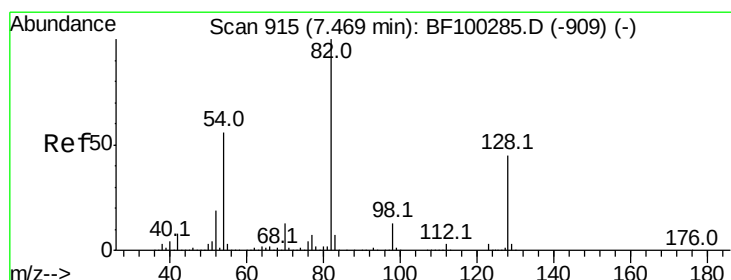
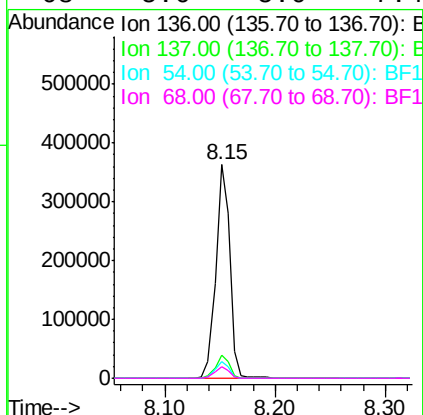
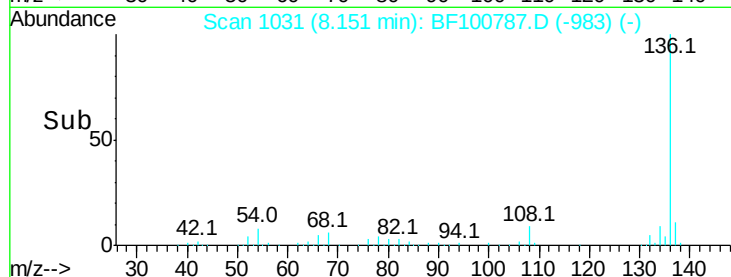
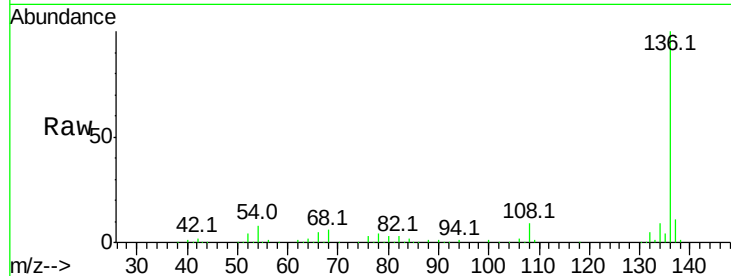
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.1  | 8.9  | 13.3  |       |
| 54      | 8.1   | 6.6  | 9.8   |       |
| 68      | 5.6   | 5.0  | 7.4   |       |

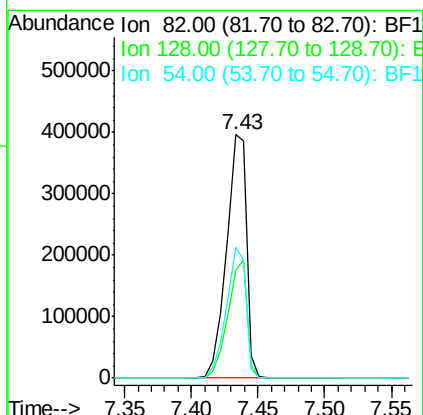
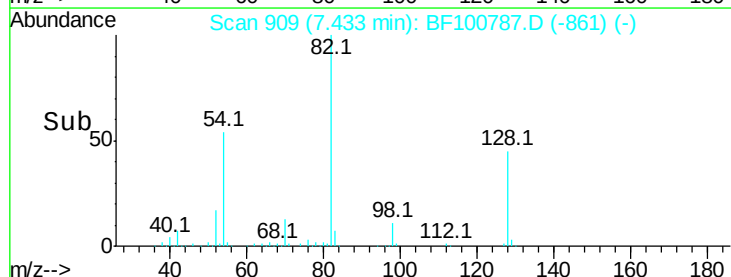
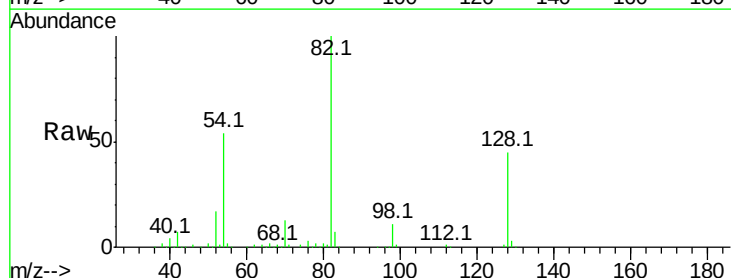
Manual Integrations  
APPROVED

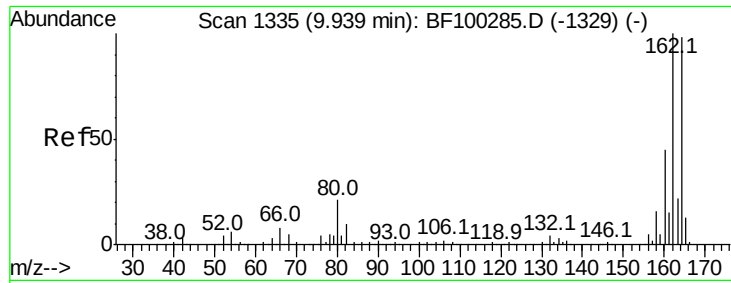
Sohil  
11/22/2017 5:04:19 PM



#23  
Nitrobenzene-d5  
Concen: 88.023 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 44.6  | 36.1 | 54.1  |       |
| 54      | 54.0  | 41.4 | 62.2  |       |





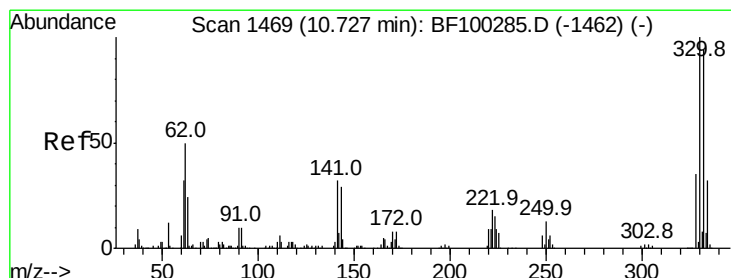
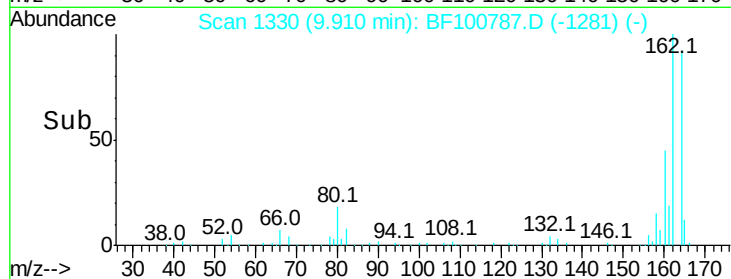
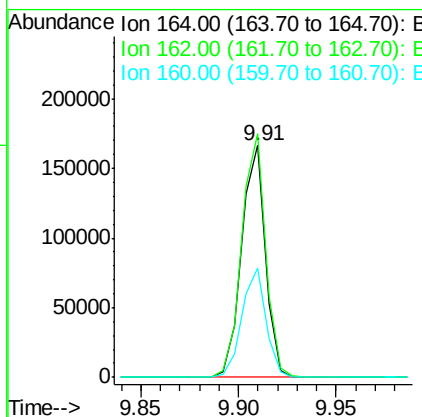
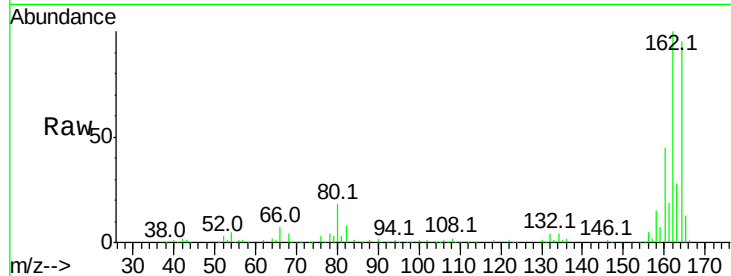
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 140190 |       |       |
| 162     | 105.0 | 86.1   | 129.1 |       |
| 160     | 47.1  | 38.3   | 57.5  |       |

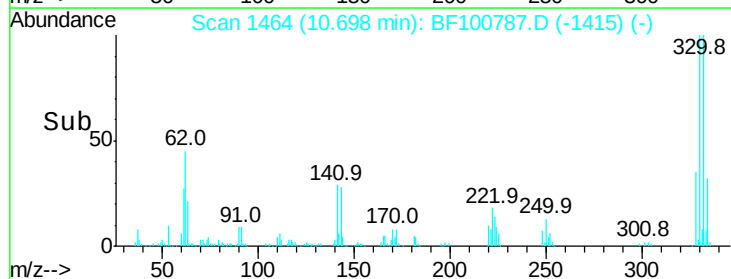
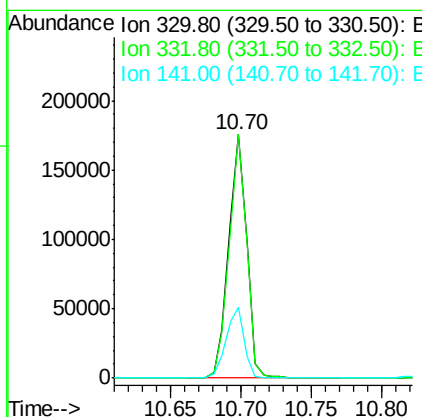
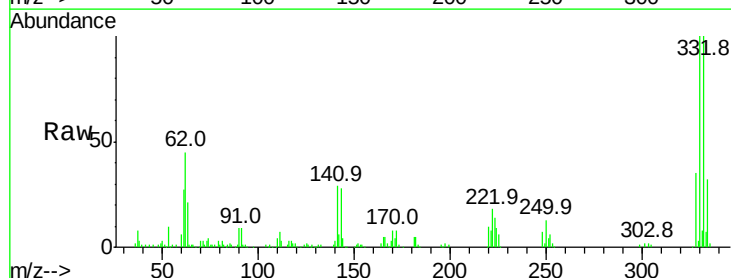
Manual Integrations  
 APPROVED

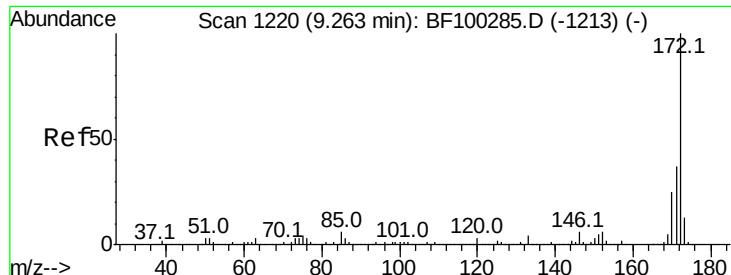
Sohil  
 11/22/2017 5:04:19 PM



#41  
 2,4,6-Tribromophenol  
 Concen: 109.486 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 156405 |       |       |
| 332     | 97.3  | 77.0   | 115.6 |       |
| 141     | 29.5  | 29.9   | 44.9# |       |





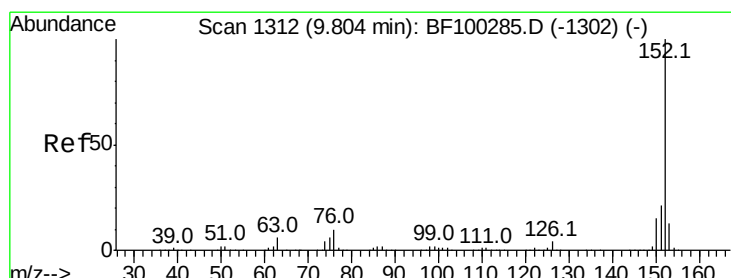
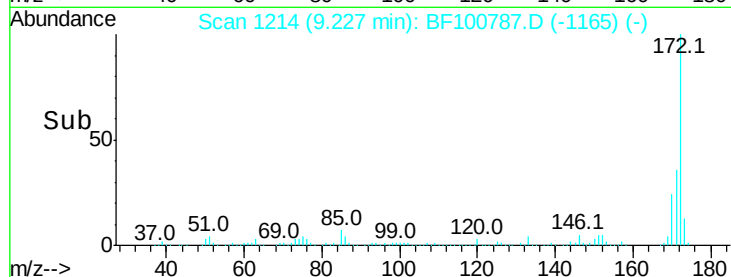
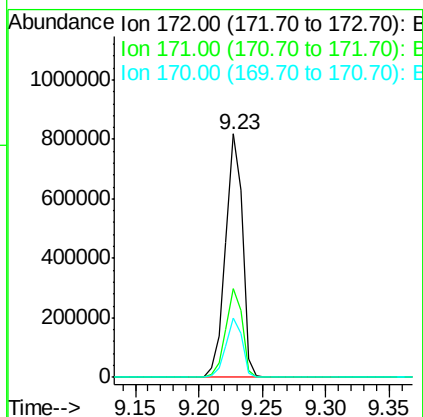
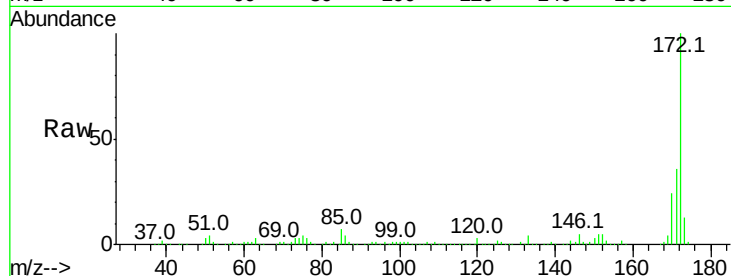
#44  
2-Fluorobiphenyl  
Concen: 82.628 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampled :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.4  | 29.7 | 44.5  |       |
| 170     | 24.2  | 19.6 | 29.4  |       |

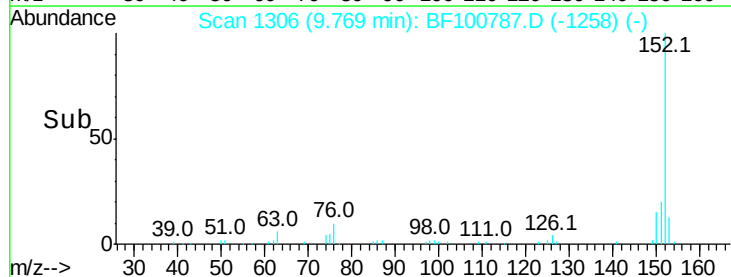
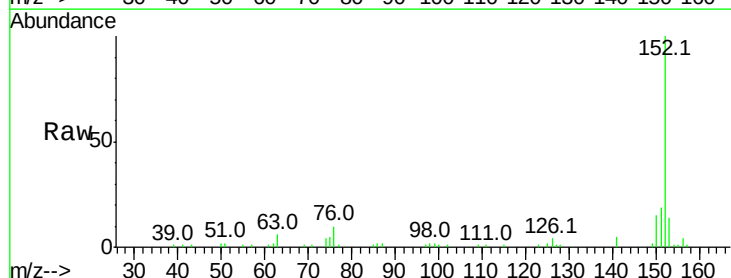
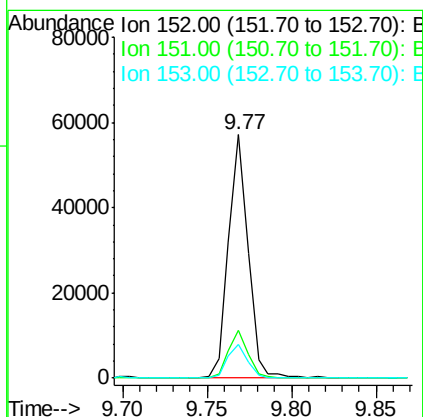
Manual Integrations  
APPROVED

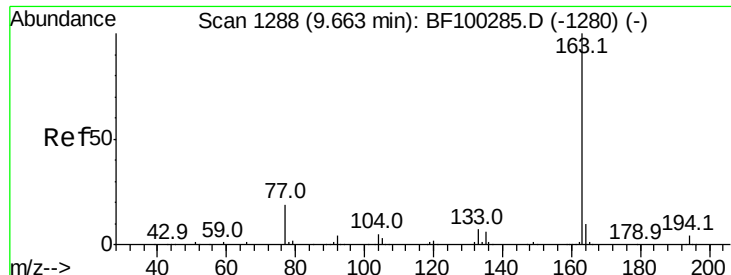
Sohil  
11/22/2017 5:04:19 PM



#48  
Acenaphthylene  
Concen: 3.168 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 152     | 100   |      |       |       |
| 151     | 19.5  | 16.3 | 24.5  |       |
| 153     | 13.7  | 10.7 | 16.1  |       |





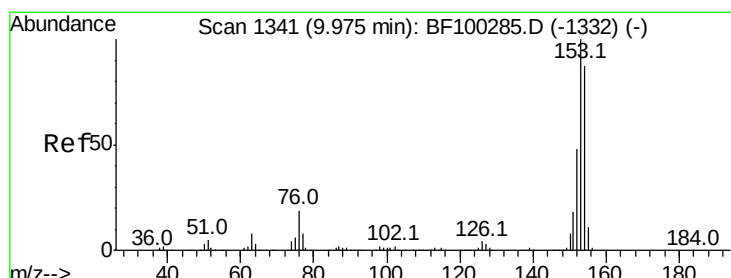
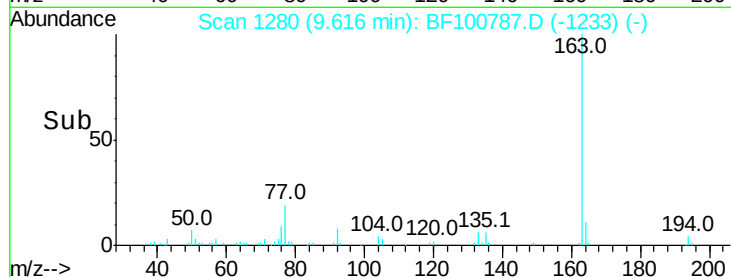
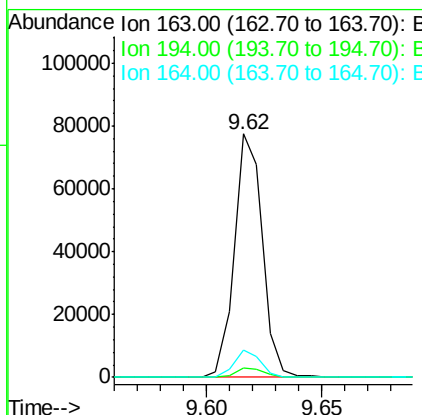
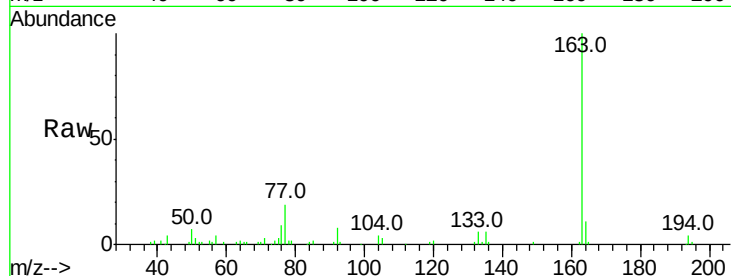
#49  
Dimethylphthalate  
Concen: 6.119 ng  
RT: 9.62 min Scan# 1280  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 2.7   | 4.1   |
| 164     | 11.2  | 8.2   | 12.2  |

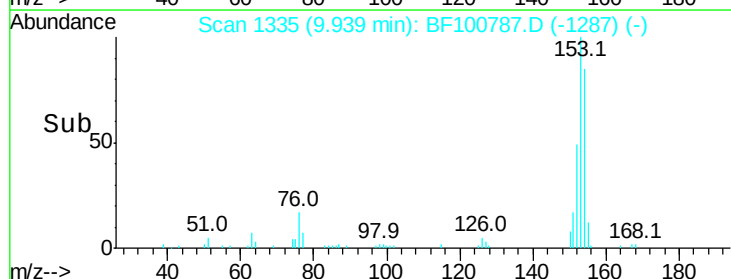
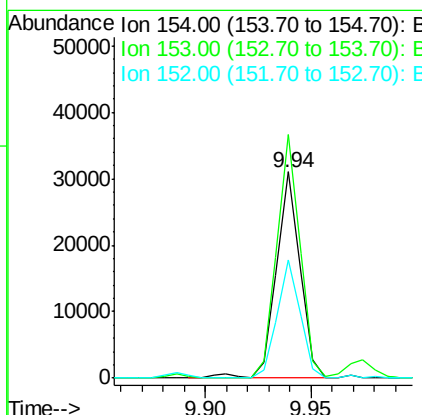
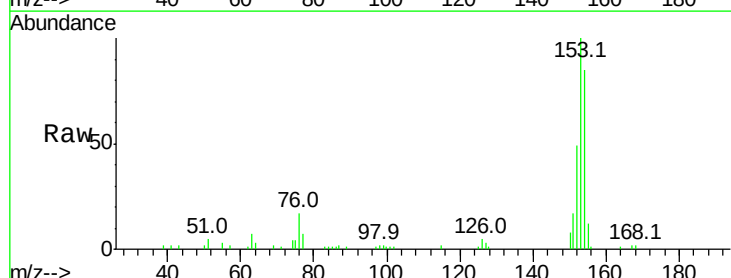
Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM

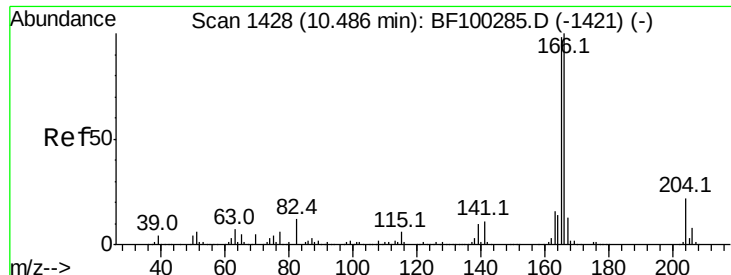


#51  
Acenaphthene  
Concen: 2.735 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 118.0 | 91.2  | 136.8 |
| 152     | 57.4  | 43.8  | 65.8  |







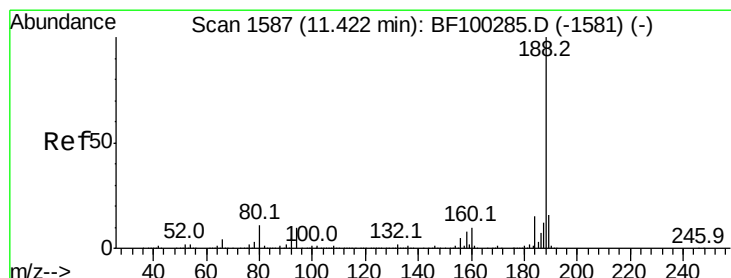
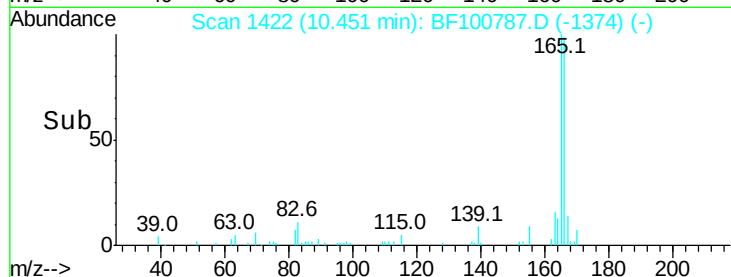
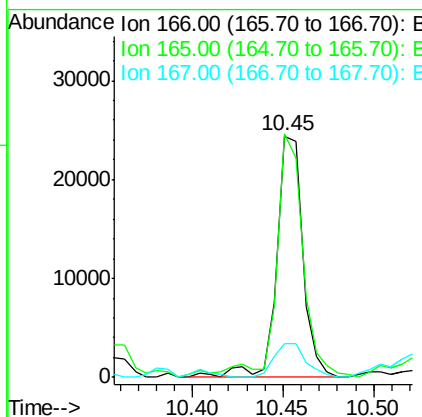
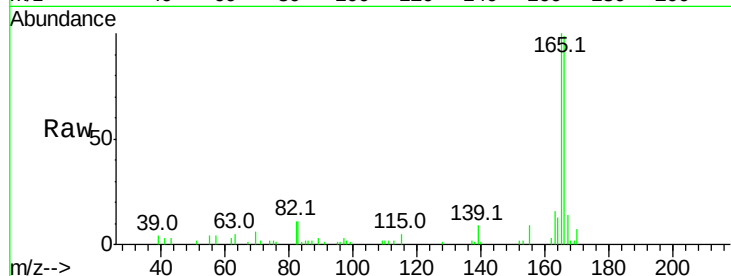
#57  
**Fluorene**  
 Concen: 2.691 ng  
 RT: 10.45 min Scan# 1422  
 Delta R.T. -0.02 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.9 | 79.8  | 119.8 |
| 167     | 13.8  | 10.6  | 16.0  |

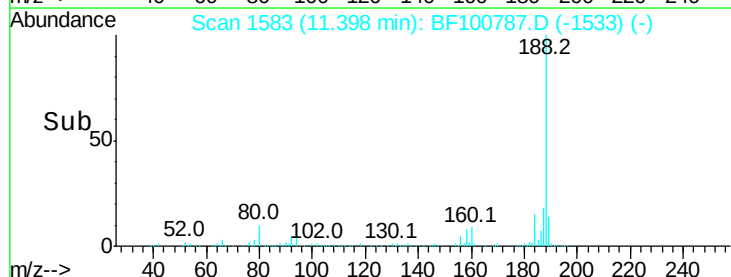
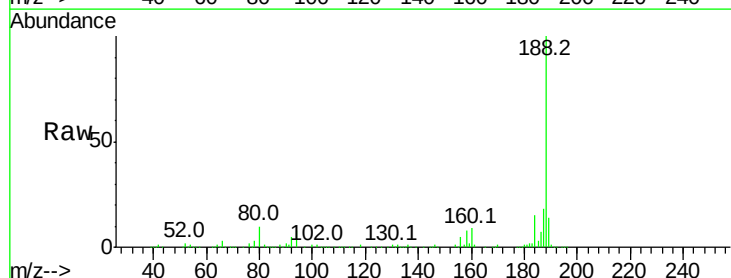
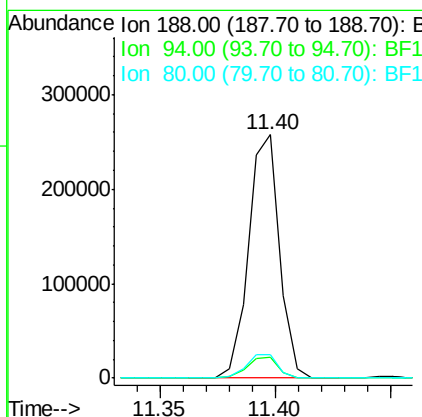
Manual Integrations  
 APPROVED

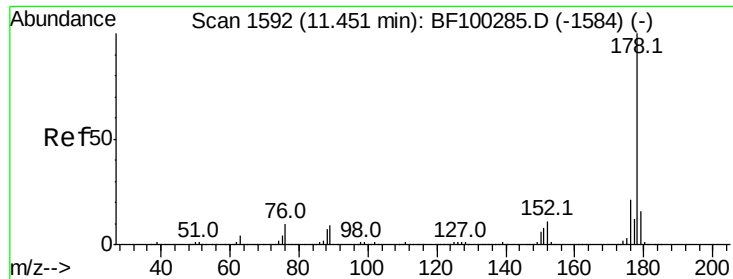
Sohil  
 11/22/2017 5:04:19 PM



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 8.5   | 12.7# |
| 80      | 9.7   | 9.2   | 13.8  |





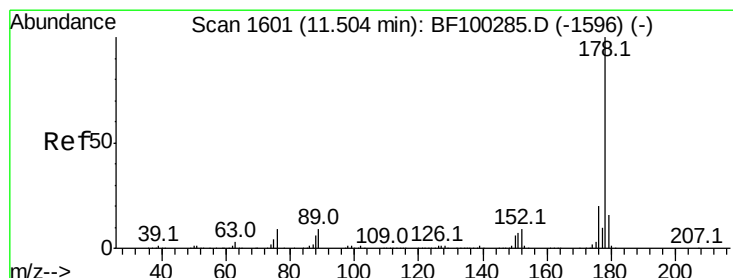
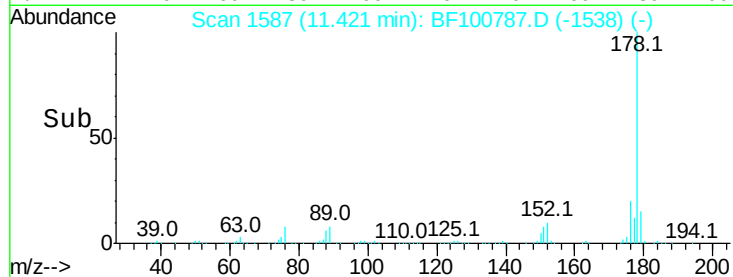
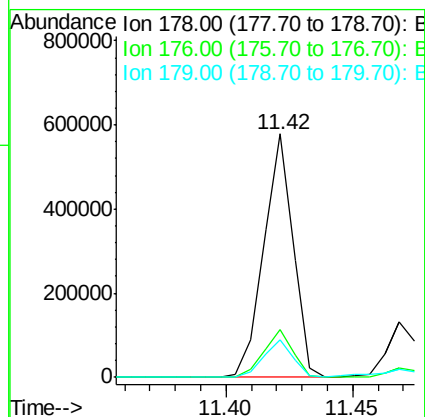
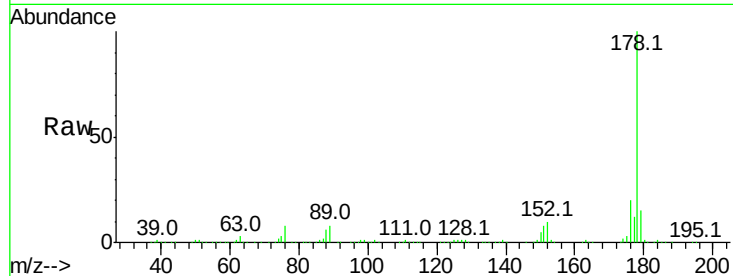
#70  
Phenanthrene  
Concen: 37.113 ng  
RT: 11.42 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.8  | 23.8  |
| 179     | 15.4  | 13.0  | 19.6  |

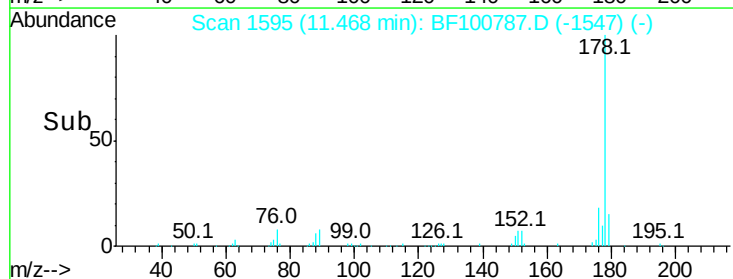
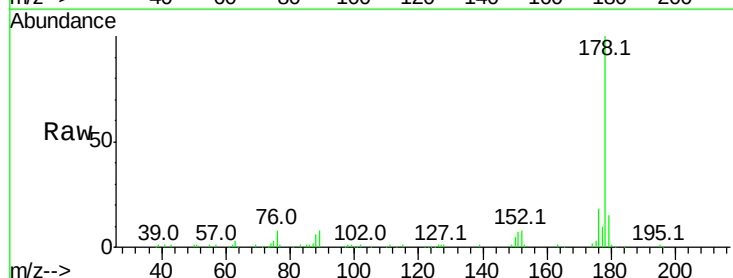
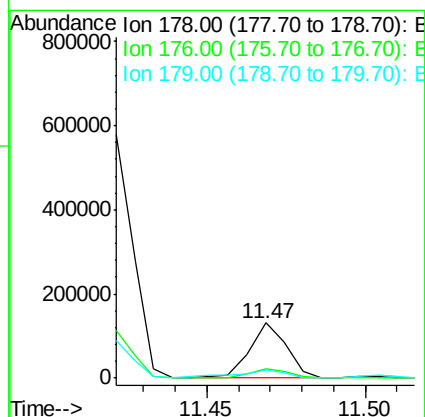
Manual Integrations  
APPROVED

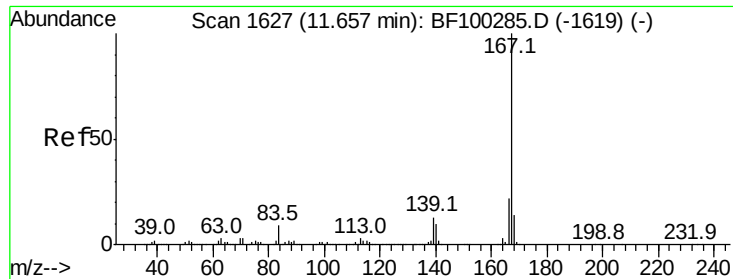
Sohil  
11/22/2017 5:04:19 PM



#71  
Anthracene  
Concen: 8.124 ng  
RT: 11.47 min Scan# 1595  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.8  | 15.4  | 23.2  |
| 179     | 15.4  | 12.6  | 19.0  |





#72

Carbazole

Concen: 3.429 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

Instrument :

BNA\_F

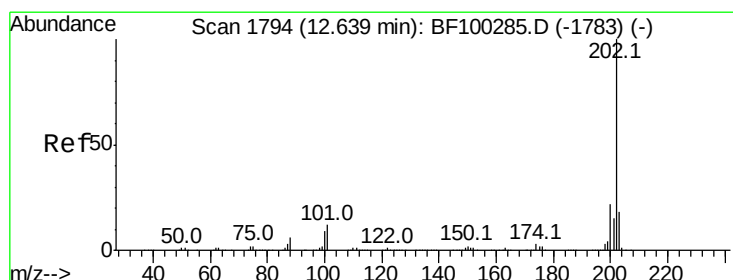
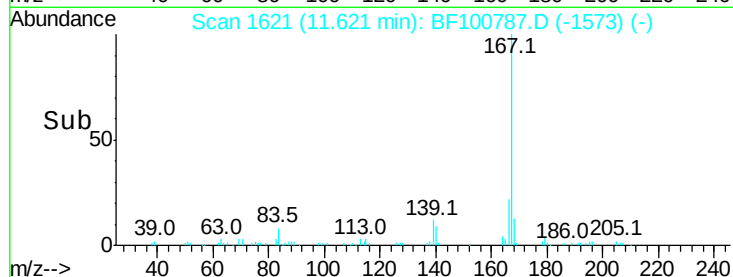
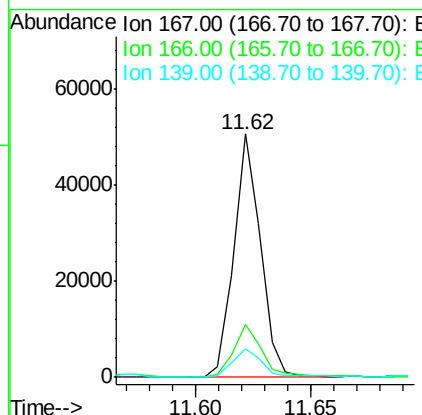
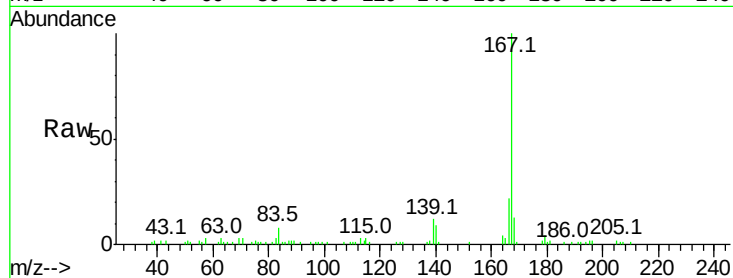
ClientSampleId :

PG1-2-E(0-1)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 40657 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.0  | 17.6  | 26.4  |
| 139       | 11.7  | 10.9  | 16.3  |

Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM



#74

Fluoranthene

Concen: 51.097 ng

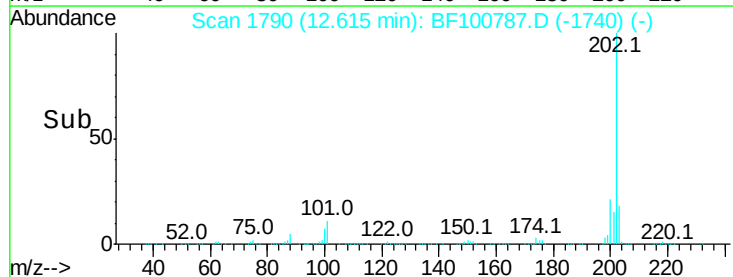
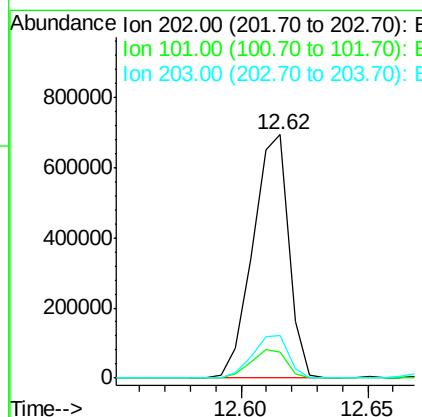
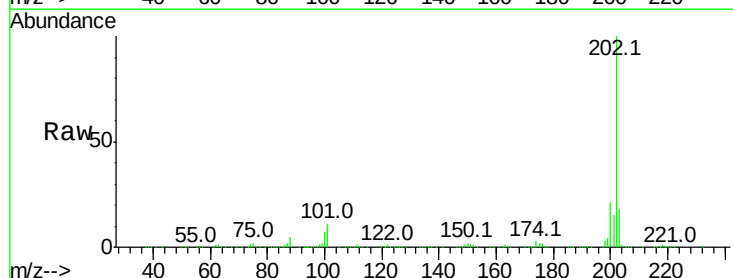
RT: 12.62 min Scan# 1790

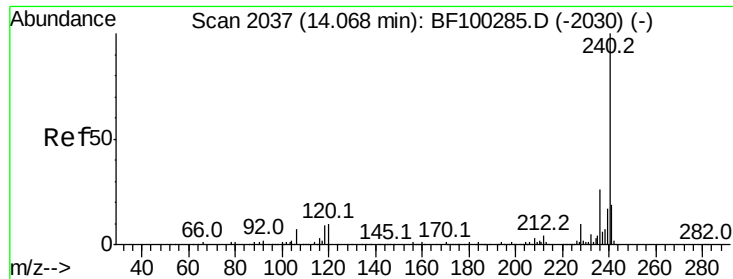
Delta R.T. -0.01 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 685818 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.7  | 0.0   | 34.1   |
| 203       | 17.8  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

Instrument :

BNA\_F

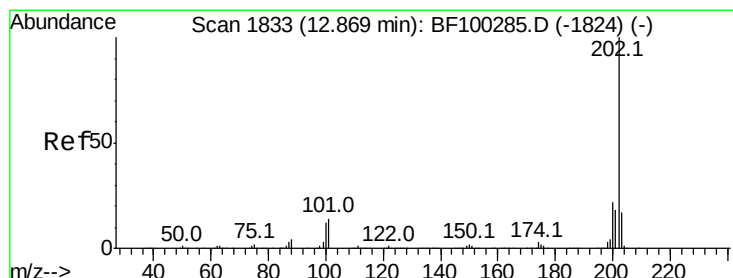
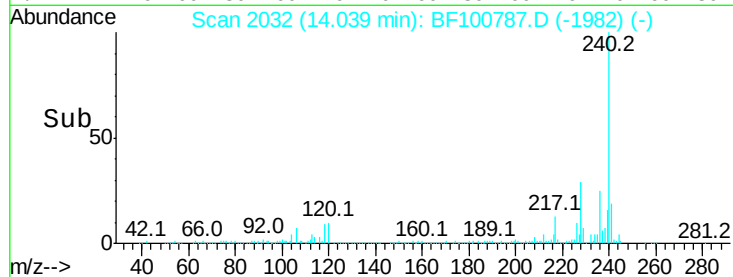
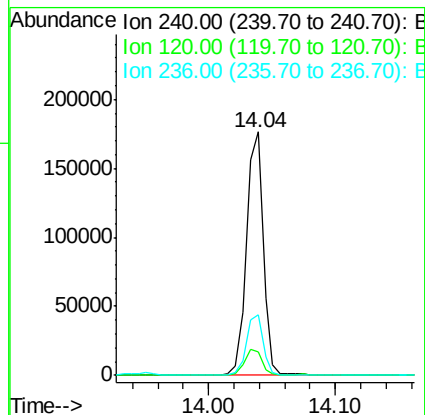
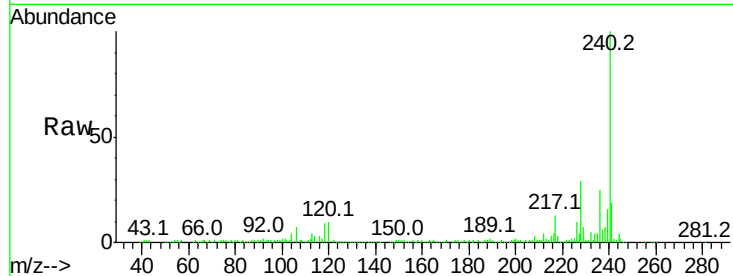
ClientSampleId :

PG1-2-E(0-1)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 161879 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.9   | 9.5   | 14.3   |
| 236       | 24.8  | 20.7  | 31.1   |

Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM



#77

Pyrene

Concen: 54.180 ng

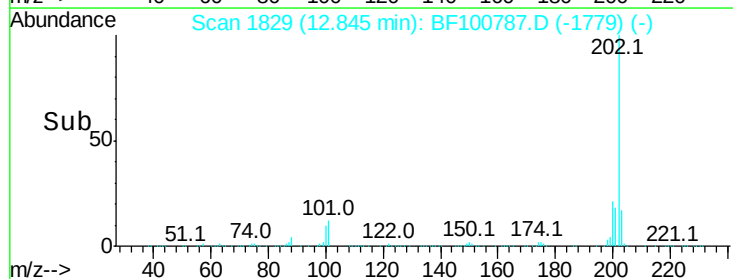
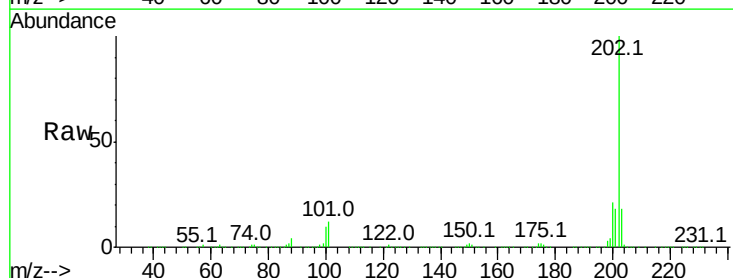
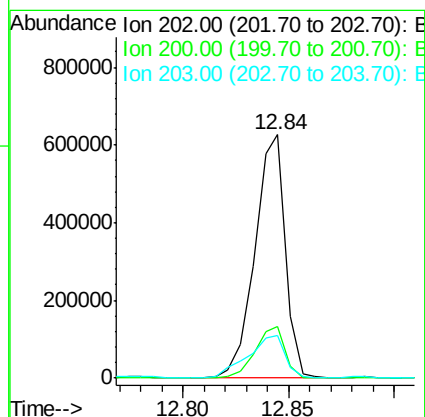
RT: 12.84 min Scan# 1829

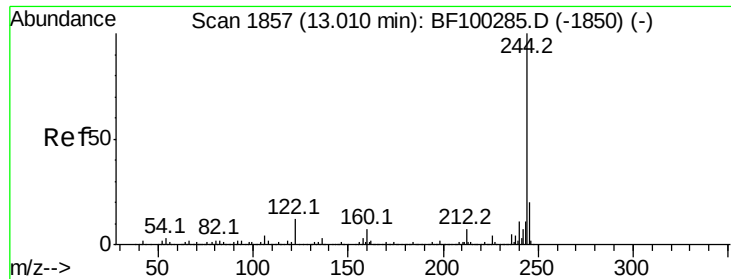
Delta R.T. -0.01 min

Lab File: BF100787.D

Acq: 21 Nov 2017 18:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 625203 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.2  | 17.4  | 26.2   |
| 203       | 17.6  | 14.3  | 21.5   |





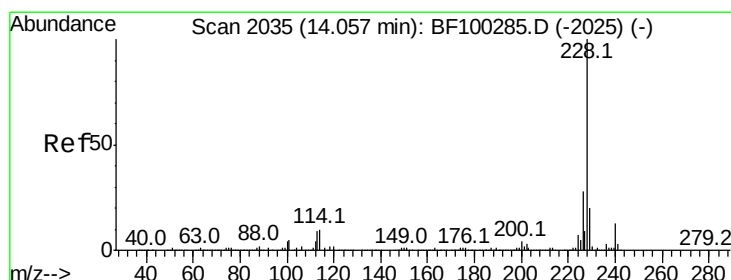
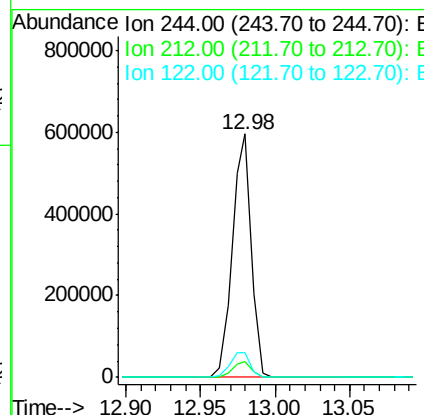
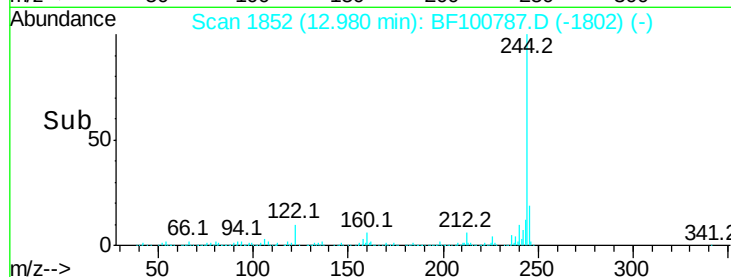
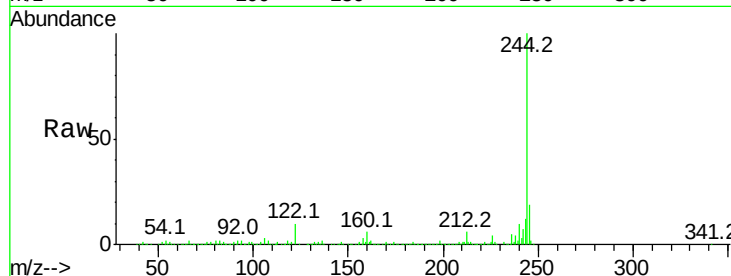
#78  
 Terphenyl-d14  
 Concen: 76.049 ng  
 RT: 12.98 min Scan# 1852  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.3   | 5.4   | 8.0   |
| 122     | 10.0  | 11.0  | 16.4  |

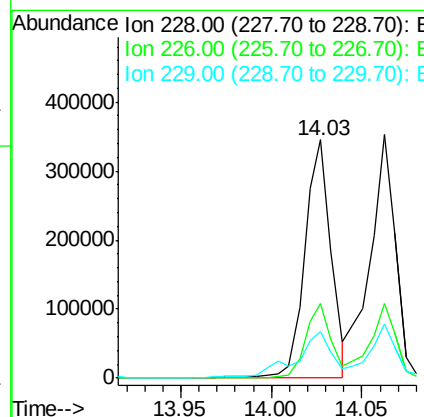
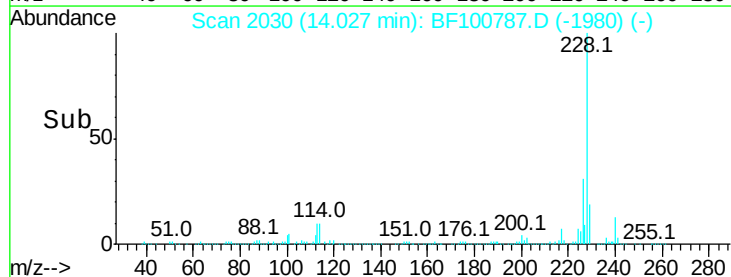
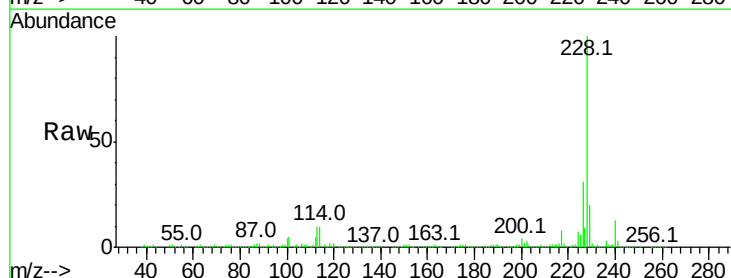
Manual Integrations  
 APPROVED

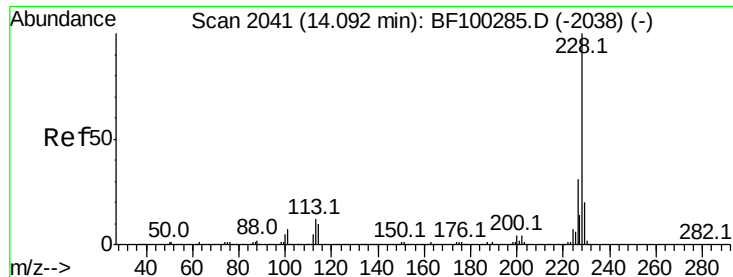
Sohil  
 11/22/2017 5:04:19 PM



#80  
 Benzo(a)anthracene  
 Concen: 35.777 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 22.6  | 33.8  |
| 229     | 19.8  | 15.8  | 23.6  |





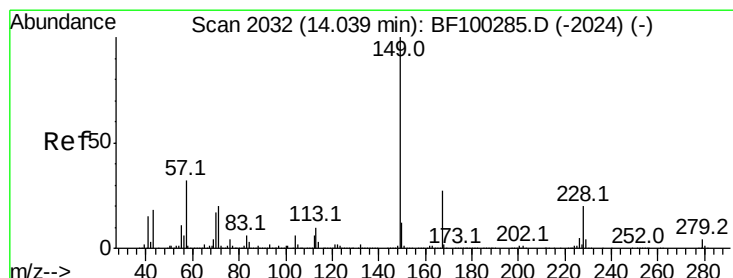
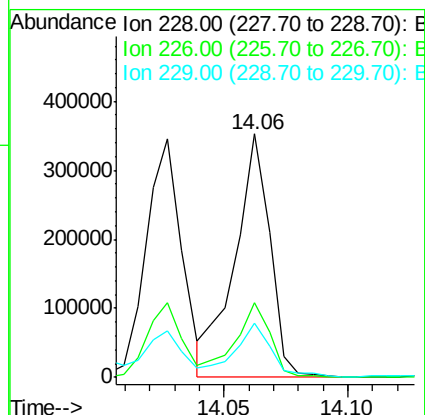
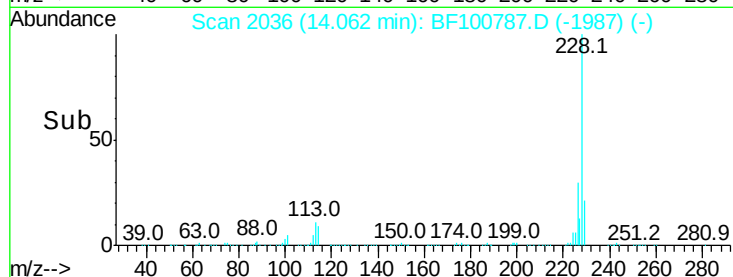
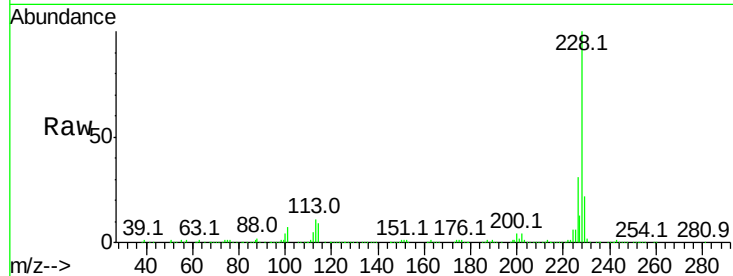
#82  
 Chrysene  
 Concen: 36.554 ng m  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 345069 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 25.0  | 37.6   |
| 229       | 22.1  | 16.2  | 24.4   |

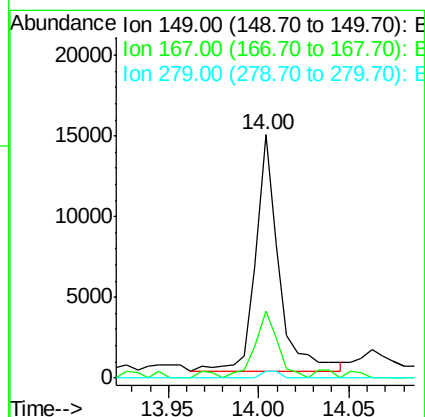
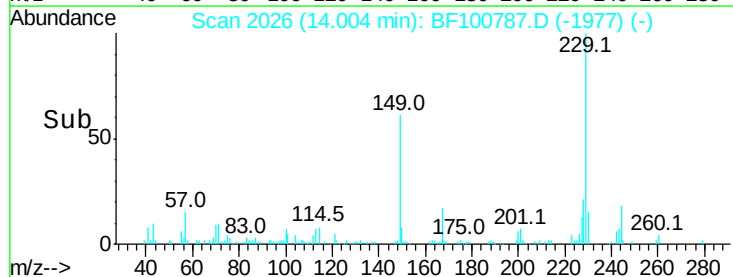
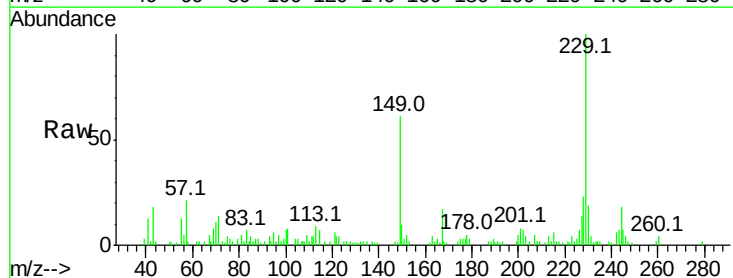
Manual Integrations  
 APPROVED

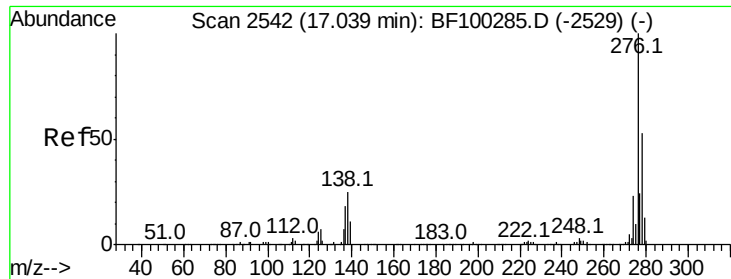
Sohil  
 11/22/2017 5:04:19 PM



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.100 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 12996 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 27.6  | 21.3  | 31.9  |
| 279       | 2.9   | 3.0   | 4.4#  |





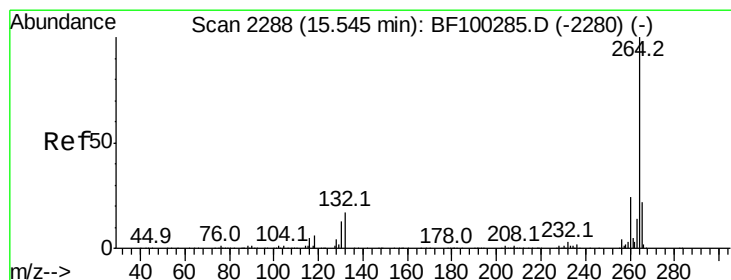
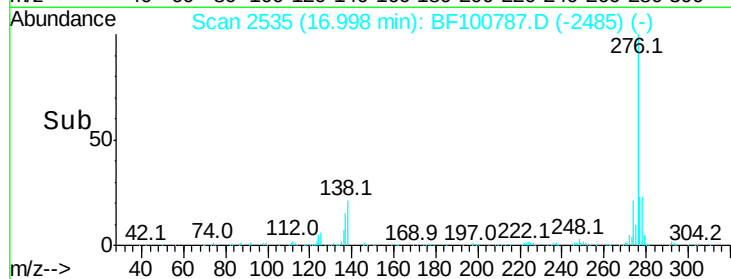
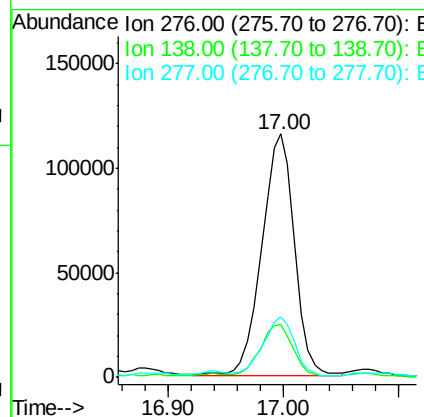
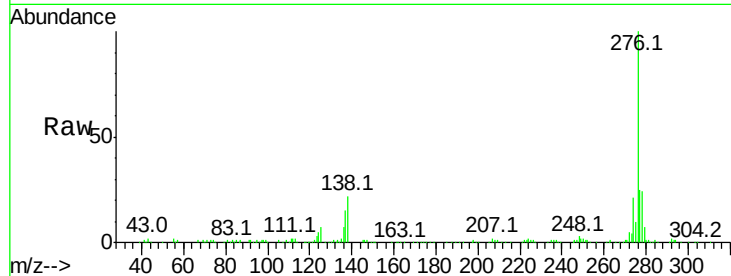
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 29.750 ng  
RT: 17.00 min Scan# 2535  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.0  | 25.0  | 37.6# |
| 277     | 23.4  | 20.1  | 30.1  |

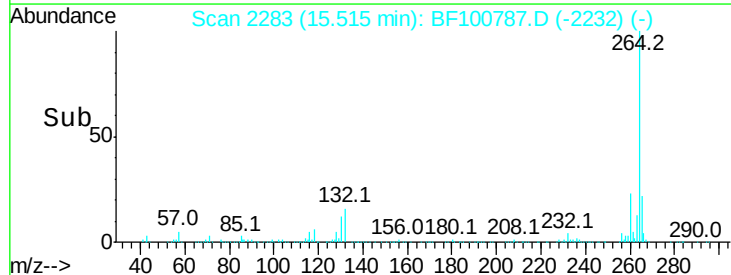
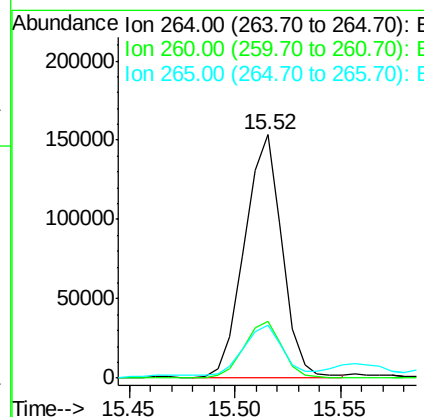
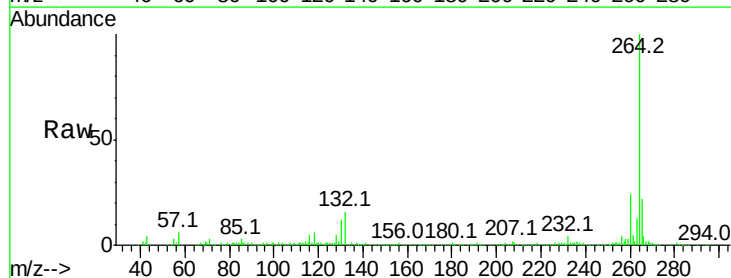
Manual Integrations  
APPROVED

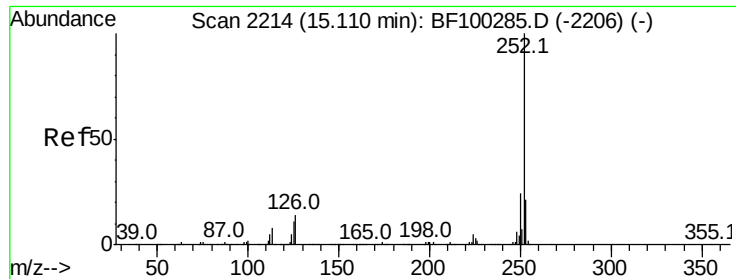
Sohil  
11/22/2017 5:04:19 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. -0.00 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.7  | 17.5  | 26.3  |





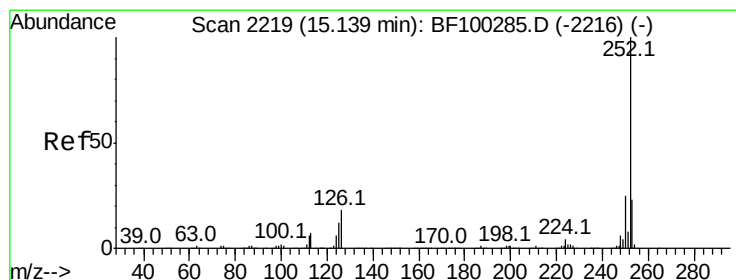
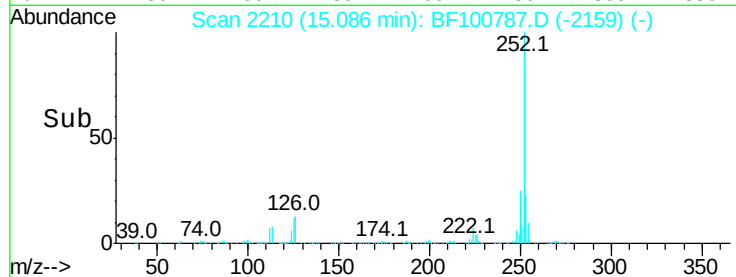
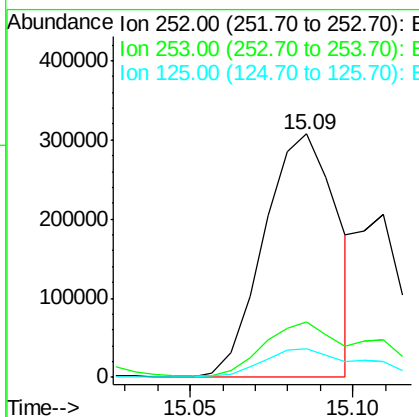
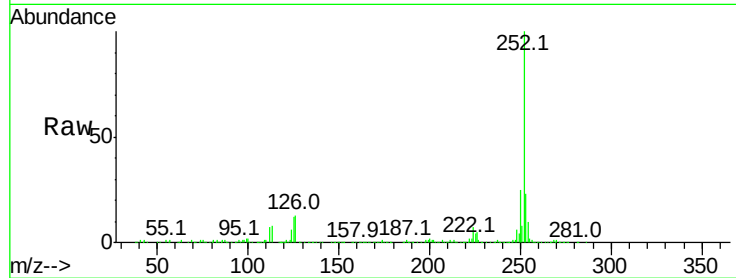
#87  
Benzo(b)fluoranthene  
Concen: 43.181 ng m  
RT: 15.09 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.0  | 25.6  |
| 125     | 11.9  | 9.0   | 13.6  |

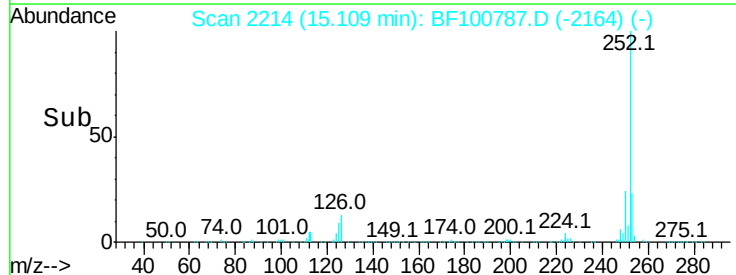
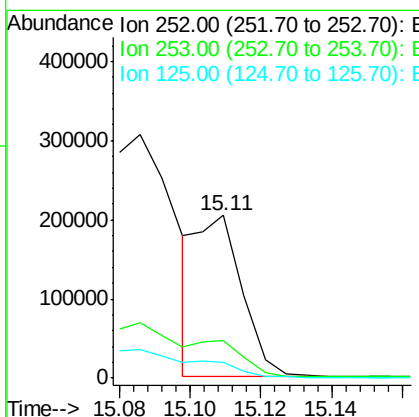
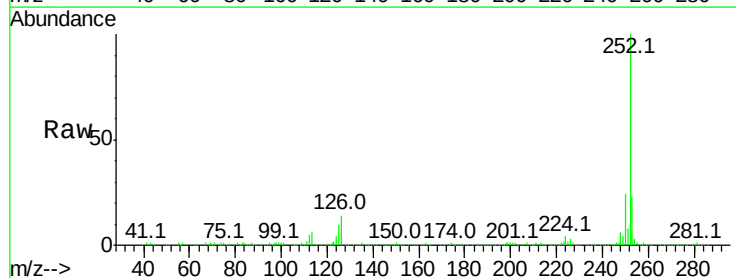
Manual Integrations  
APPROVED

Sohil  
11/22/2017 5:04:19 PM

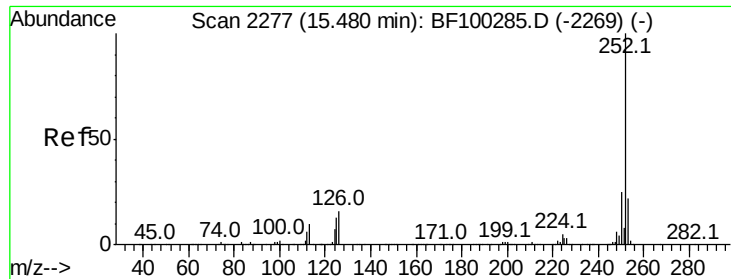


#88  
Benzo(k)fluoranthene  
Concen: 17.194 ng m  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.9  | 26.9  |
| 125     | 9.6   | 10.2  | 15.2# |







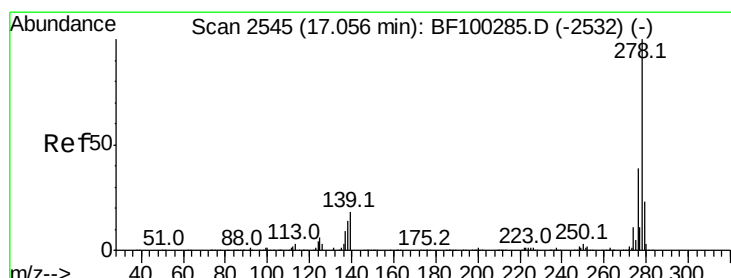
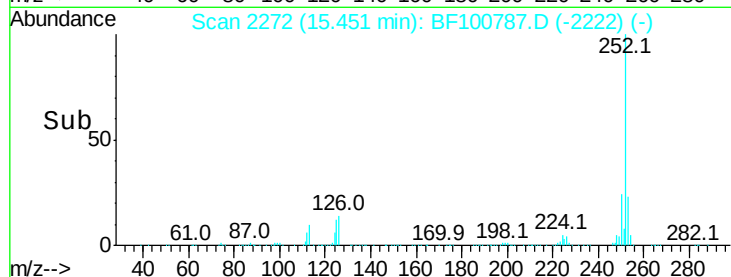
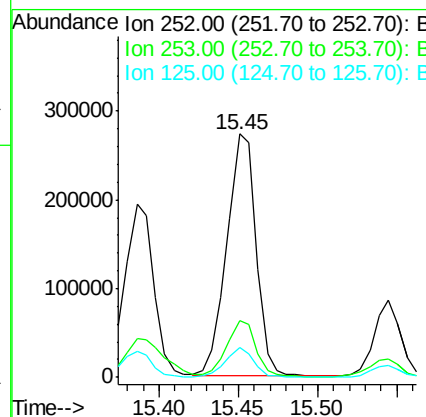
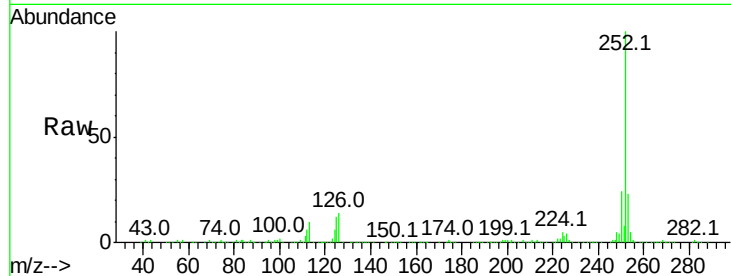
#89  
Benzo(a)pyrene  
Concen: 35.539 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.01 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
PG1-2-E(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.1  | 25.7  |
| 125     | 12.1  | 9.8   | 14.6  |

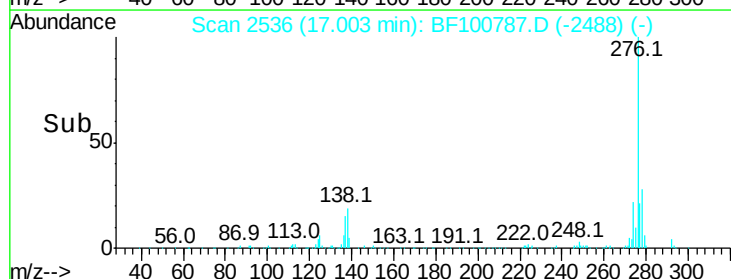
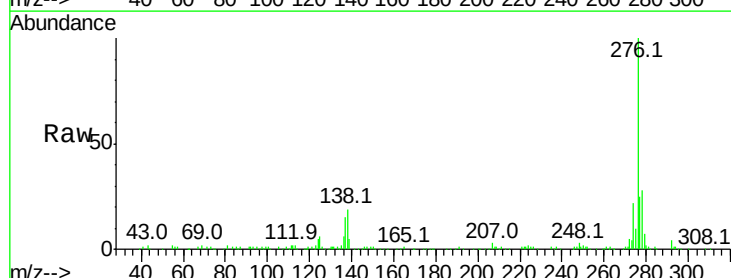
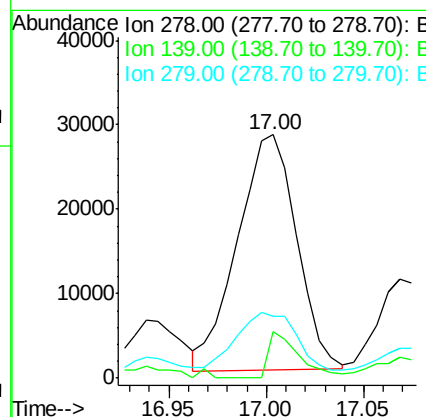
Manual Integrations  
APPROVED

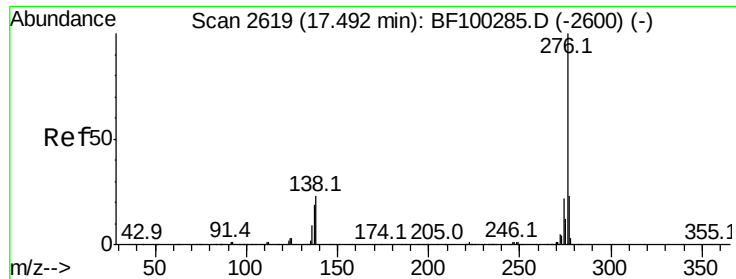
Sohil  
11/22/2017 5:04:19 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 7.273 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. -0.02 min  
Lab File: BF100787.D  
Acq: 21 Nov 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.3  | 15.9  | 23.9  |
| 279     | 25.5  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 25.638 ng  
 RT: 17.44 min Scan# 2611  
 Delta R.T. -0.01 min  
 Lab File: BF100787.D  
 Acq: 21 Nov 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PG1-2-E(0-1)

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 23.4  | 17.9       | 26.9  |
| 138     | 21.7  | 21.8       | 32.8# |

Manual Integrations  
 APPROVED

Sohil  
 11/22/2017 5:04:19 PM

