

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
 Data File : BF111019.D  
 Acq On : 27 Nov 2018 19:37  
 Operator : JU/SJ  
 Sample : J6051-01 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-01

Manual Integrations  
 APPROVED

mohammad  
 11/28/2018 4:56:47 PM

Quant Time: Nov 28 01:33:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 27 15:32:10 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 44748    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 175301   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.98  | 164  | 71178    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.48 | 188  | 136120   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.15 | 240  | 98203    | 20.00 | ng    | 0.02     |
| 87) Perylene-d12          | 15.69 | 264  | 73420    | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |       |      |    |      |
|--------------------------|-------|-----|-------|------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 24979 | 9.26 | ng | 0.03 |
| 7) Phenol-d6             | 6.59  | 99  | 34860 | 9.91 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 20124 | 6.57 | ng | 0.02 |
| 42) 2,4,6-Tribromophenol | 10.79 | 330 | 6580  | 9.31 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.30  | 172 | 38716 | 7.88 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.06 | 244 | 39145 | 7.76 | ng | 0.00 |

## Target Compounds

|                            |       |     |          |         |    | Qvalue |
|----------------------------|-------|-----|----------|---------|----|--------|
| 49) Acenaphthylene         | 9.85  | 152 | 16401    | 2.424   | ng | 94     |
| 52) Acenaphthene           | 10.02 | 154 | 77608    | 17.893  | ng | 98     |
| 55) Dibenzofuran           | 10.19 | 168 | 39180    | 6.192   | ng | 98     |
| 58) Fluorene               | 10.53 | 166 | 73458    | 14.921  | ng | 99     |
| 71) Phenanthrene           | 11.52 | 178 | 1513525  | 209.941 | ng | 99     |
| 72) Anthracene             | 11.56 | 178 | 358271   | 48.798  | ng | 98     |
| 73) Carbazole              | 11.72 | 167 | 243957   | 34.234  | ng | 100    |
| 75) Fluoranthene           | 12.73 | 202 | 3195861  | 431.311 | ng | 97     |
| 78) Pyrene                 | 12.96 | 202 | 2740218  | 382.046 | ng | 99     |
| 81) Benzo(a)anthracene     | 14.14 | 228 | 1303003  | 224.742 | ng | 98     |
| 83) Chrysene               | 14.19 | 228 | 1183985m | 207.447 | ng |        |
| 86) Indeno(1,2,3-cd)pyrene | 17.31 | 276 | 655985   | 160.122 | ng | 95     |
| 88) Benzo(b)fluoranthene   | 15.24 | 252 | 1417993m | 328.761 | ng |        |
| 89) Benzo(k)fluoranthene   | 15.27 | 252 | 467132m  | 105.223 | ng |        |
| 90) Benzo(a)pyrene         | 15.64 | 252 | 941060   | 234.397 | ng | 97     |
| 91) Dibenzo(a,h)anthracene | 17.30 | 278 | 146397m  | 44.195  | ng |        |
| 92) Benzo(g,h,i)perylene   | 17.80 | 276 | 630462   | 197.394 | ng | 98     |

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

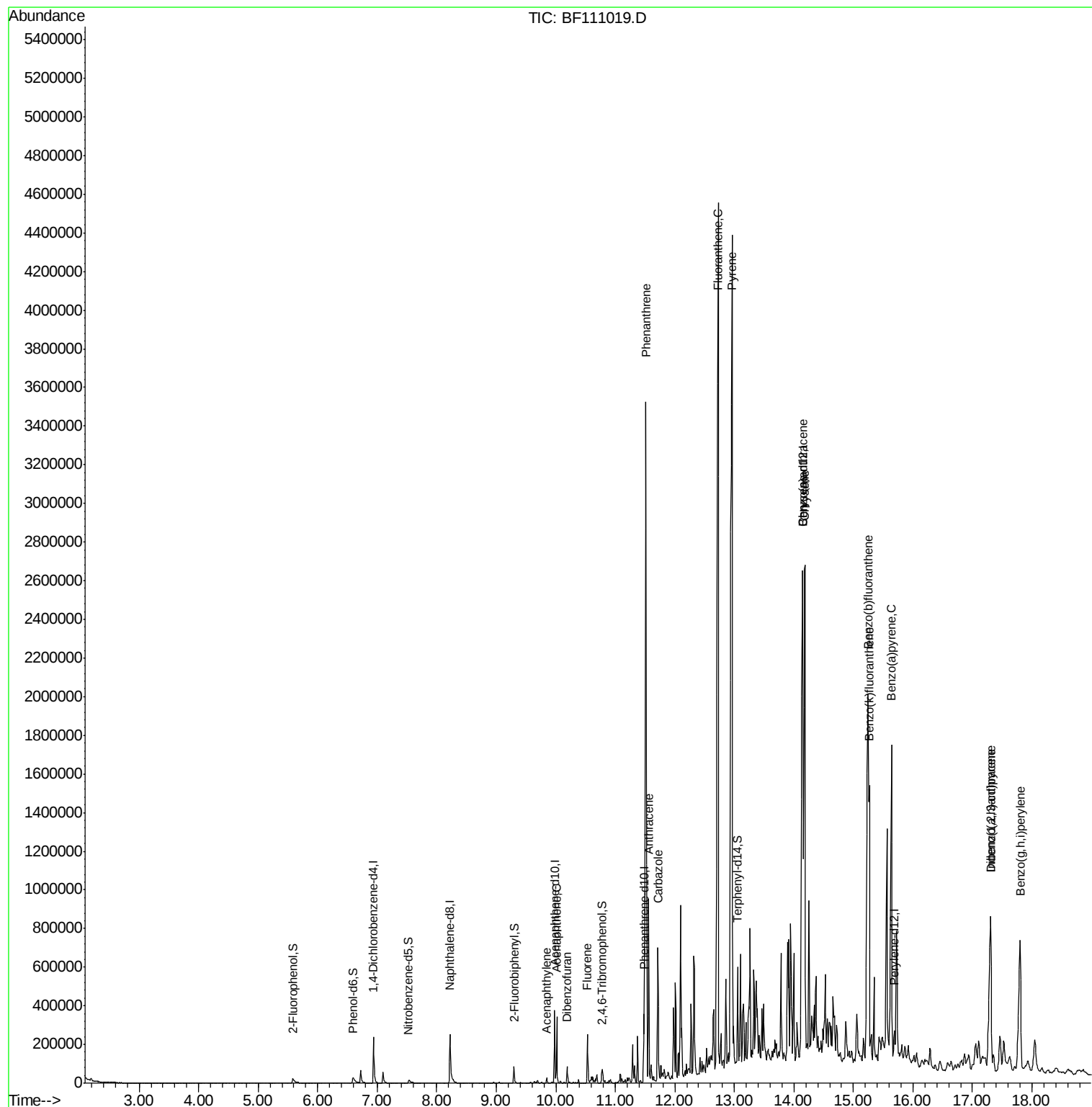
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\  
Data File : BF111019.D  
Acq On : 27 Nov 2018 19:37  
Operator : JU/SJ  
Sample : J6051-01 10X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

Manual Integrations  
APPROVED

mohammad  
11/28/2018 4:56:47 PM

Quant Time: Nov 28 01:33:16 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 27 15:32:10 2018  
Response via : Initial Calibration





#1

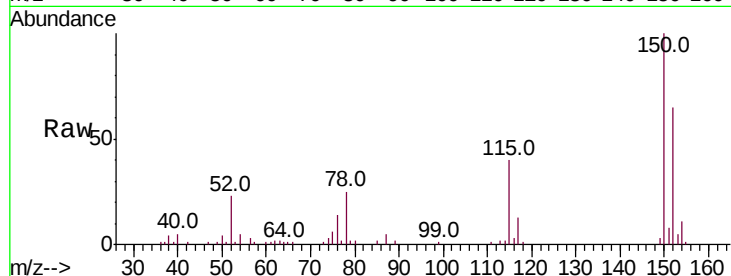
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampled :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 122.7 | 184.1 |
| 115     | 61.5  | 49.1  | 73.7  |

Manual Integrations  
APPROVED

mohammad  
11/28/2018 4:56:47 PM

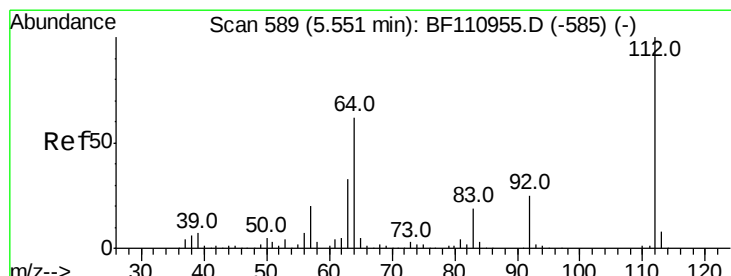
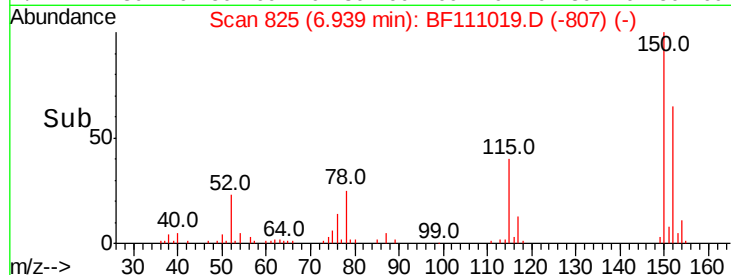
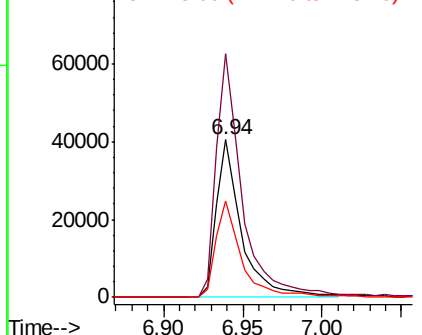


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

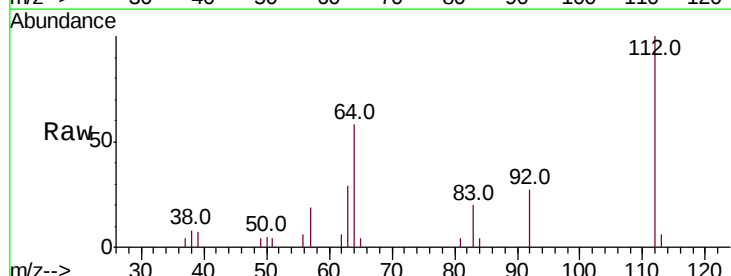
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 9.257 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.03 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 44.1  | 66.1  |
| 63      | 28.6  | 23.7  | 35.5  |

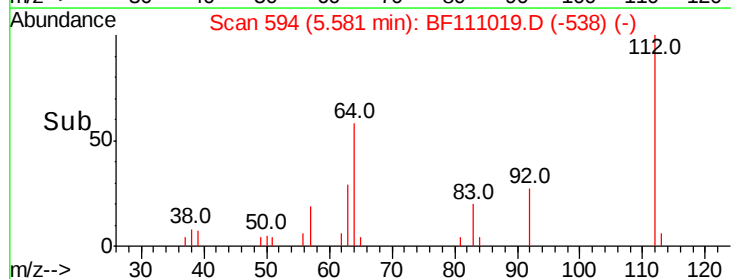
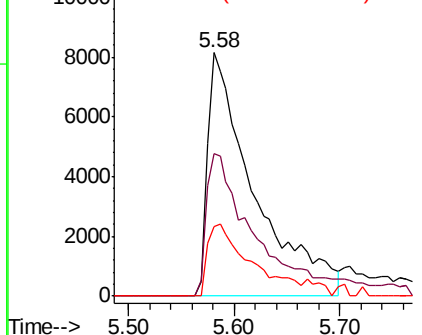


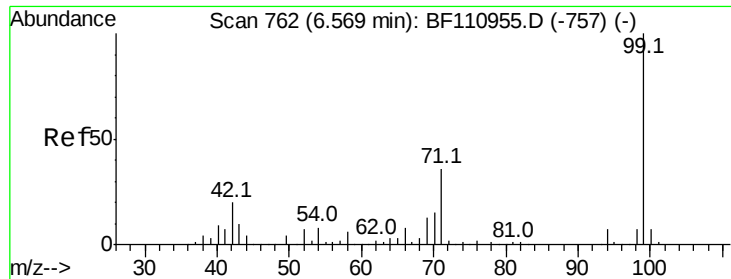
Abundance

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: 9.913 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.02 min

Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

Instrument :

BNA\_F

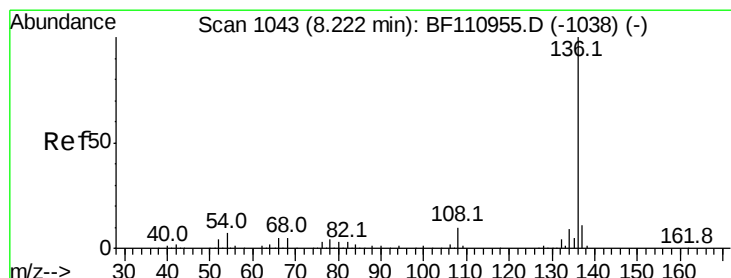
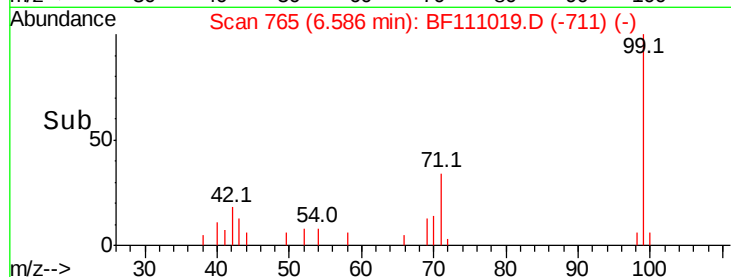
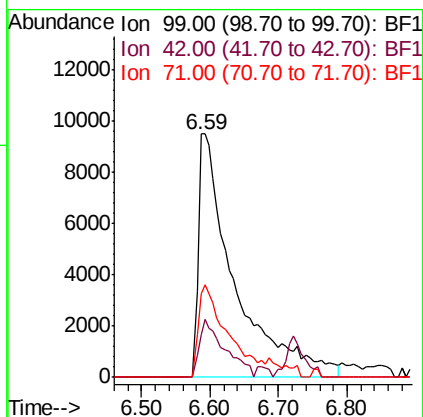
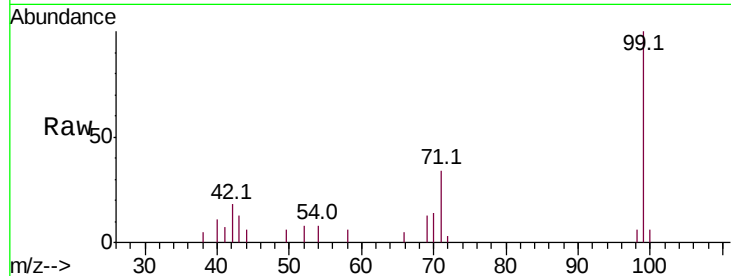
ClientSampled :

SS-01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 99      | 100  |       | 34860 |       |       |
| 42      | 17.8 | 15.8  | 23.6  |       |       |
| 71      | 34.1 | 28.0  | 42.0  |       |       |

Manual Integrations  
APPROVED

mohammad  
11/28/2018 4:56:47 PM



#21

Naphthalene-d8

Concen: 20.000 ng

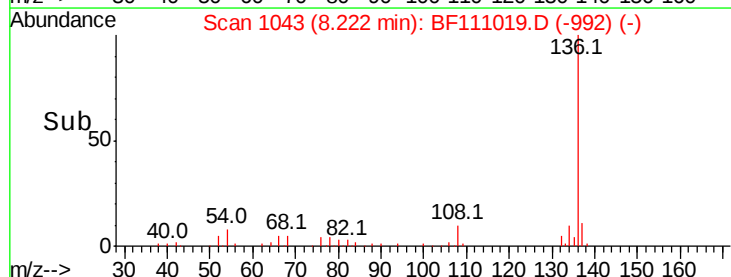
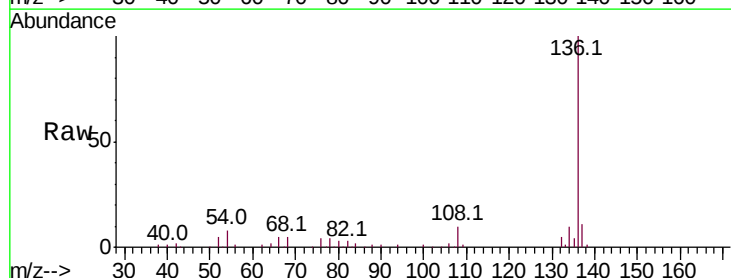
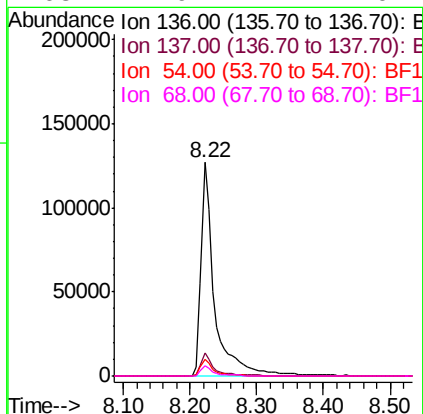
RT: 8.22 min Scan# 1043

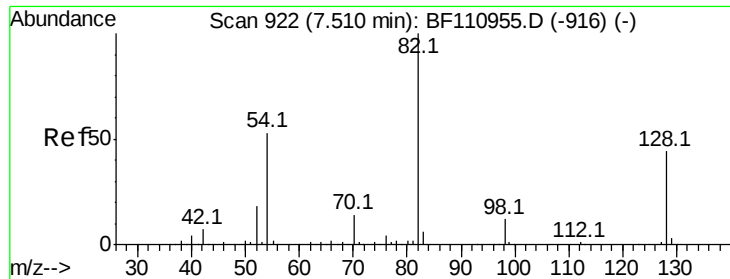
Delta R.T. -0.00 min

Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 175301 |       |       |
| 137     | 10.9 | 8.8   | 13.2   |       |       |
| 54      | 7.6  | 5.4   | 8.2    |       |       |
| 68      | 4.9  | 4.2   | 6.2    |       |       |





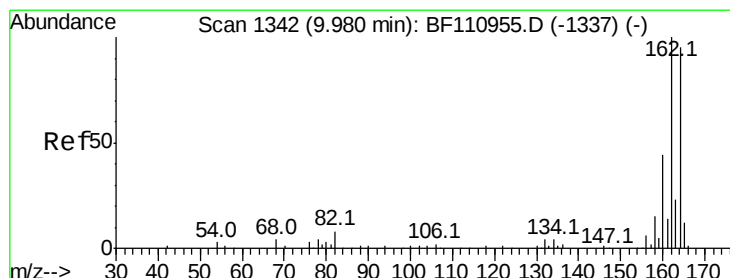
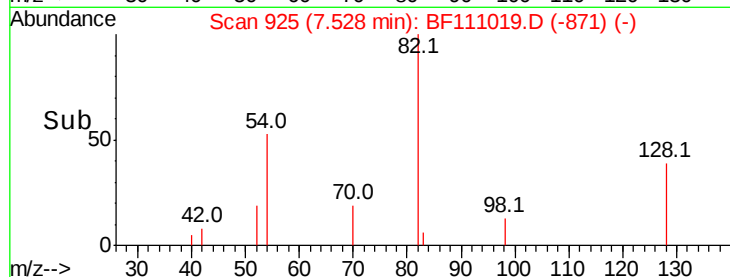
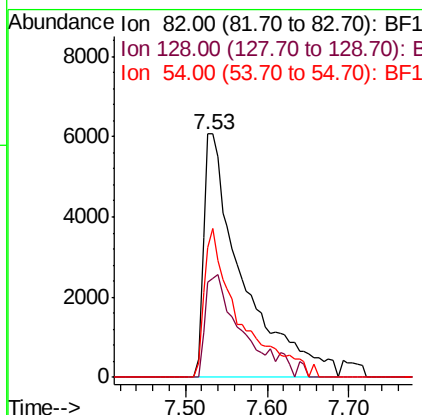
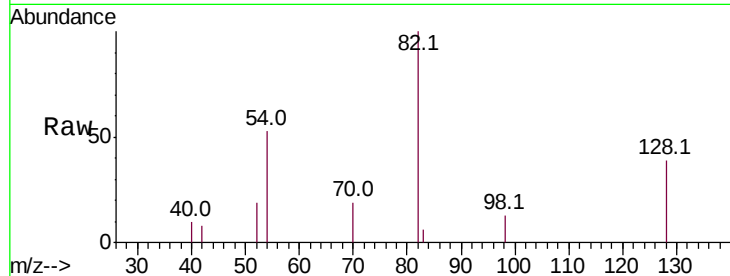
#23  
Nitrobenzene-d5  
Concen: 6.570 ng  
RT: 7.53 min Scan# 925  
Delta R.T. 0.02 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampled :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.2  | 34.2  | 51.2  |
| 54      | 53.4  | 38.6  | 58.0  |

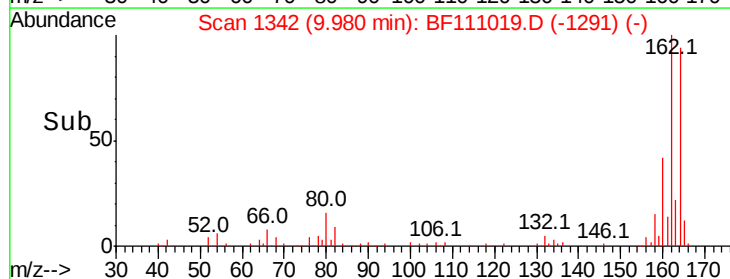
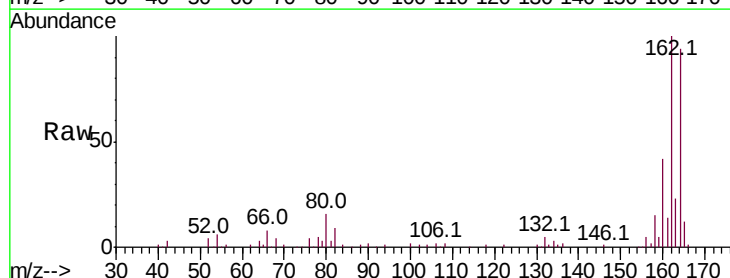
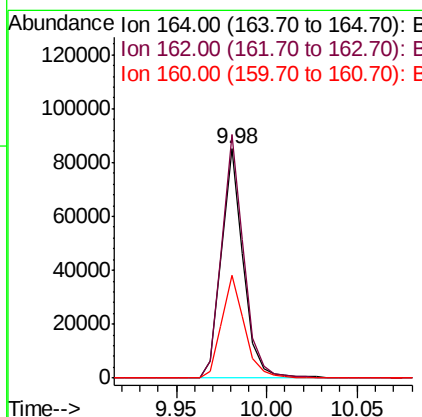
Manual Integrations  
APPROVED

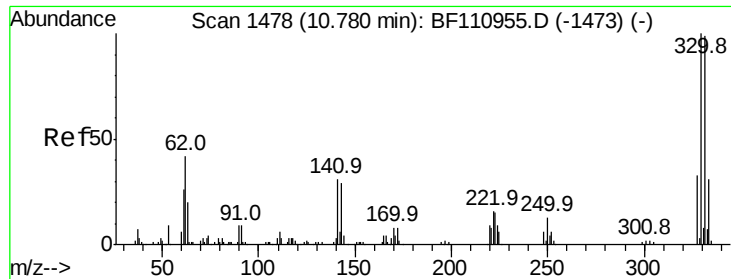
mohammad  
11/28/2018 4:56:47 PM



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.2 | 83.0  | 124.6 |
| 160     | 45.0  | 37.0  | 55.6  |





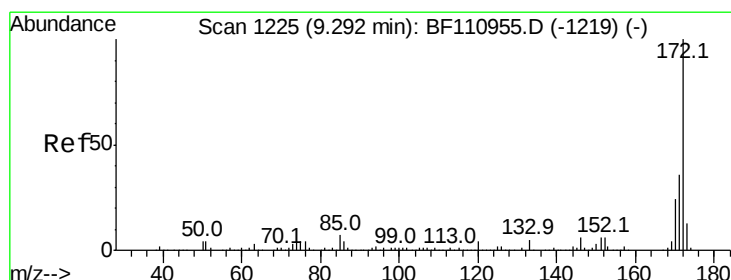
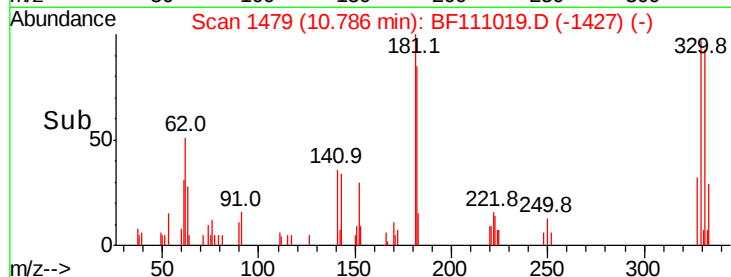
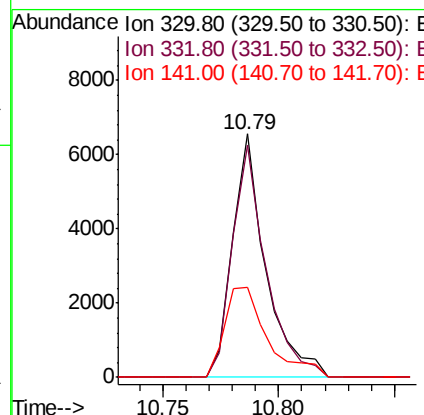
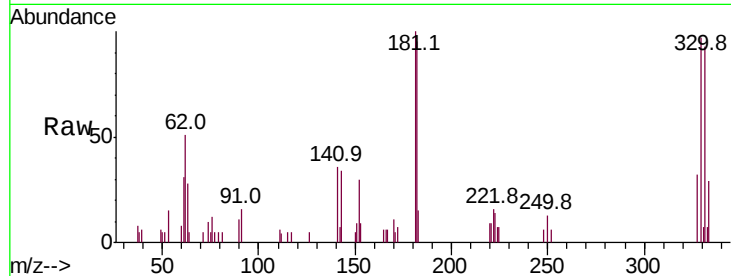
#42  
 2,4,6-Tribromophenol  
 Concen: 9.308 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. 0.01 min  
 Lab File: BF111019.D  
 Acq: 27 Nov 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampled :  
 SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.1  | 115.7 |
| 141     | 47.7  | 27.0  | 40.4  |

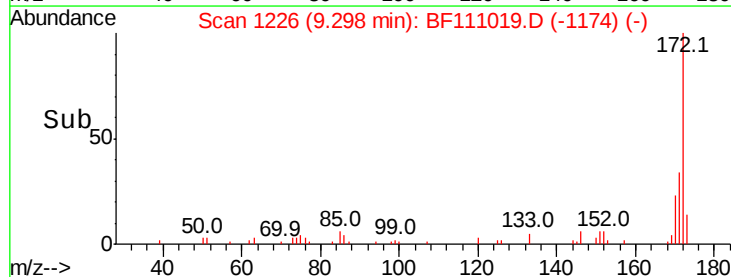
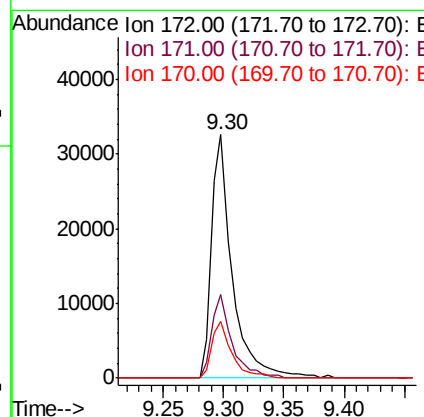
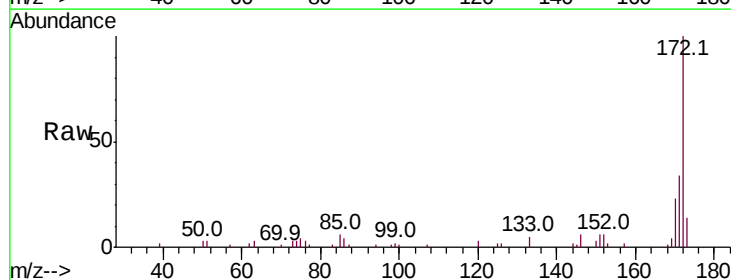
Manual Integrations  
 APPROVED

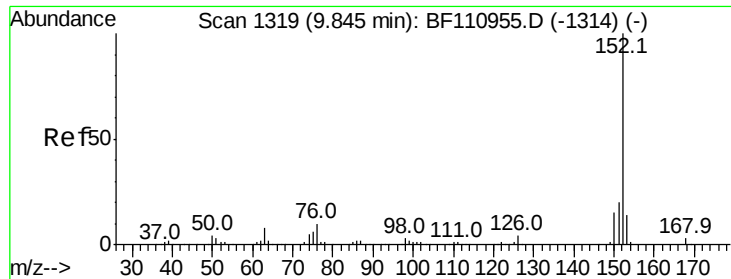
mohammad  
 11/28/2018 4:56:47 PM



#45  
 2-Fluorobiphenyl  
 Concen: 7.880 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. 0.01 min  
 Lab File: BF111019.D  
 Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 28.6  | 43.0  |
| 170     | 23.1  | 19.7  | 29.5  |





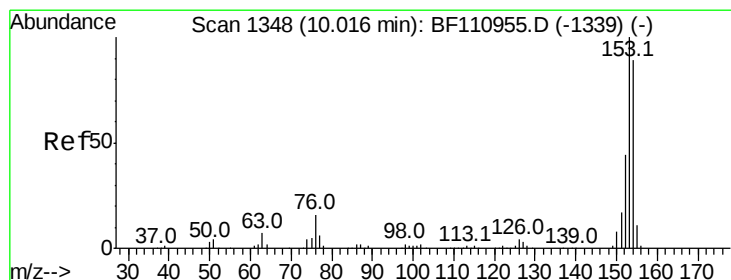
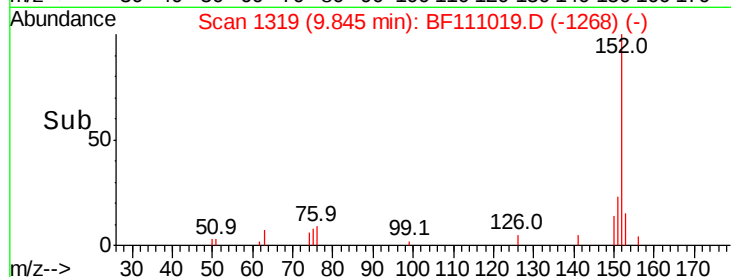
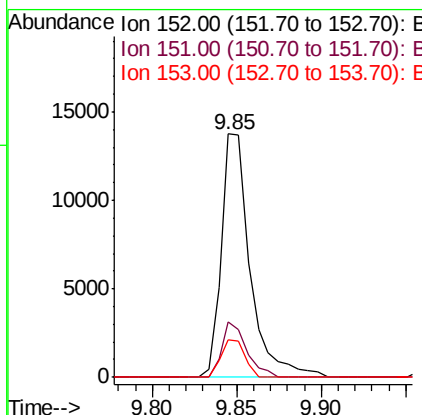
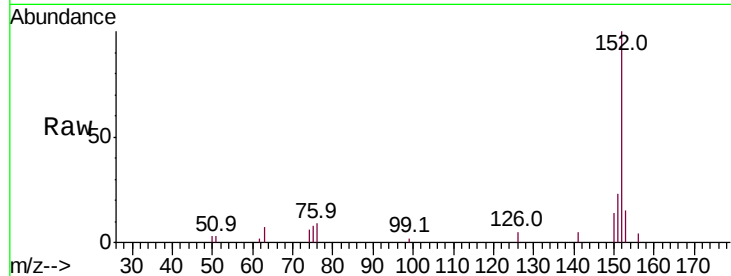
#49  
Acenaphthylene  
Concen: 2.424 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.00 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.8  | 15.8  | 23.8  |
| 153     | 15.3  | 10.4  | 15.6  |

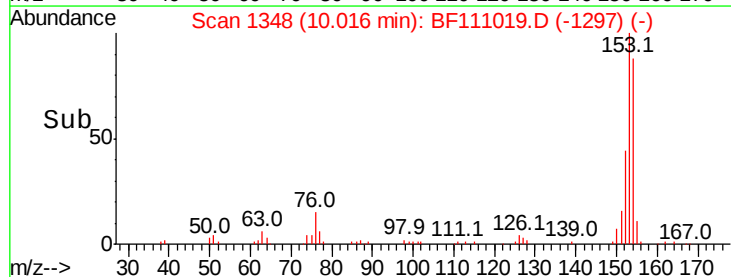
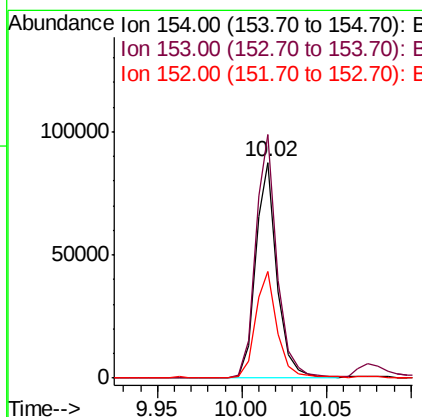
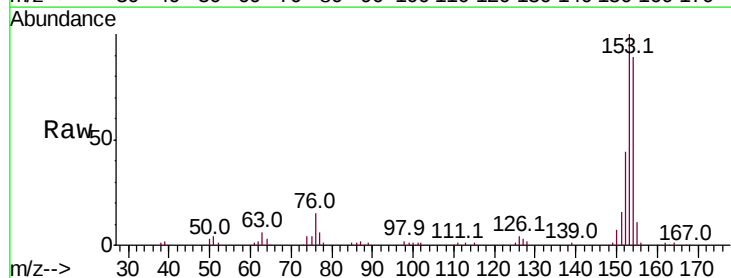
Manual Integrations  
APPROVED

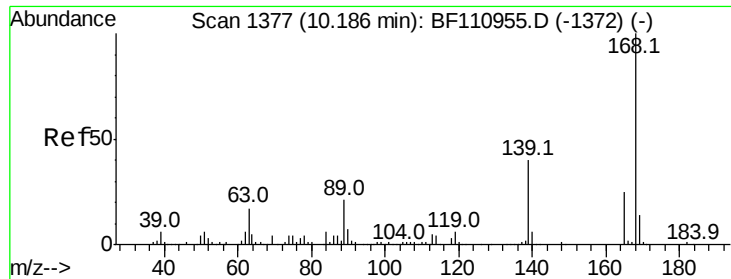
mohammad  
11/28/2018 4:56:47 PM



#52  
Acenaphthene  
Concen: 17.893 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.00 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.9 | 90.1  | 135.1 |
| 152     | 49.7  | 43.4  | 65.2  |





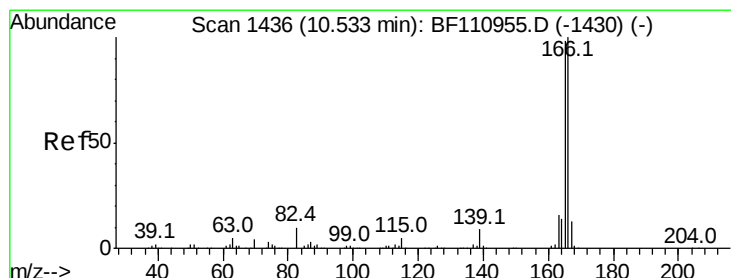
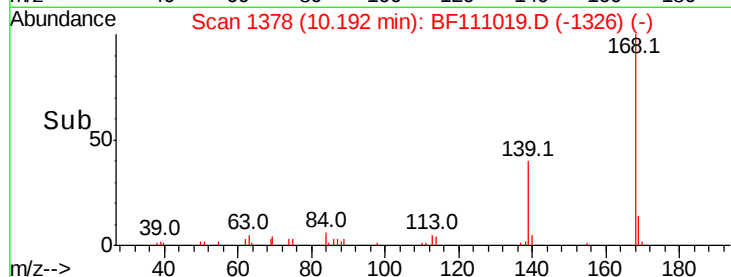
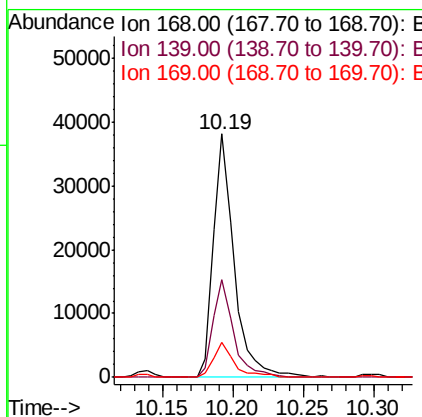
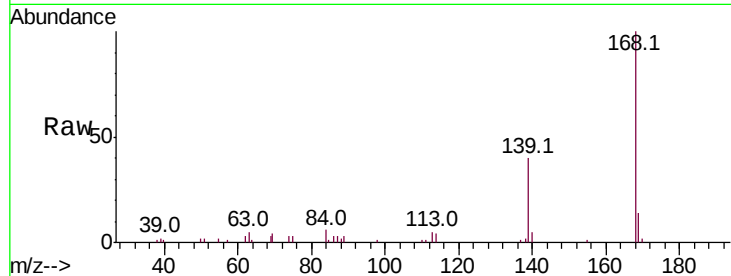
#55  
Dibenzofuran  
Concen: 6.192 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. 0.01 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampled :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.0  | 33.0  | 49.6  |
| 169     | 14.1  | 11.3  | 16.9  |

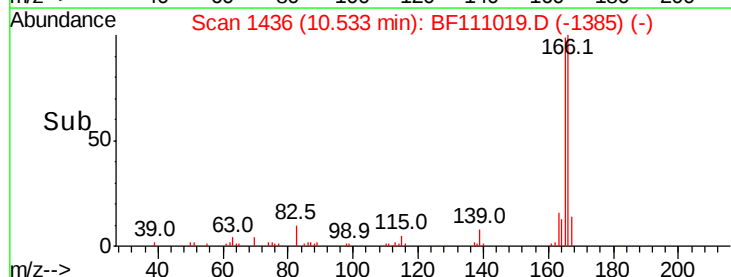
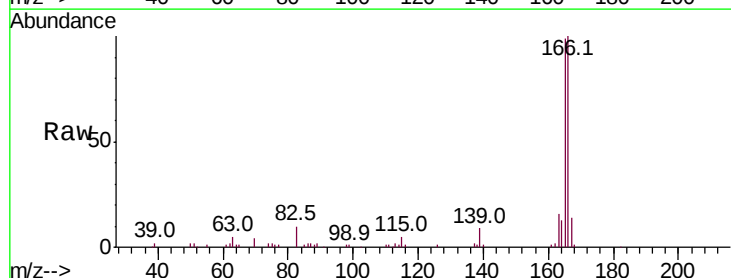
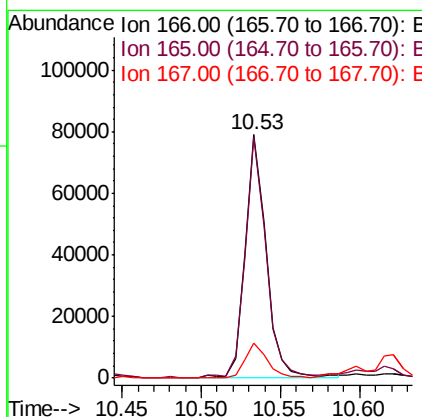
Manual Integrations  
APPROVED

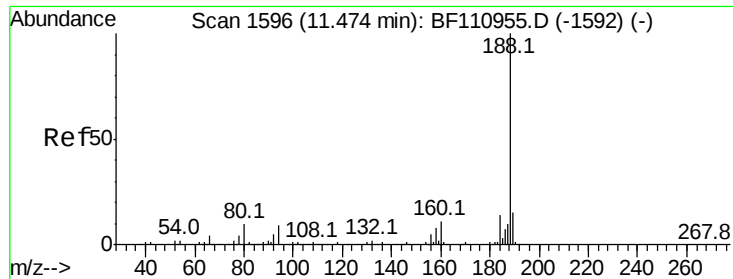
mohammad  
11/28/2018 4:56:47 PM



#58  
Fluorene  
Concen: 14.921 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.2  | 78.6  | 117.8 |
| 167     | 14.1  | 10.8  | 16.2  |





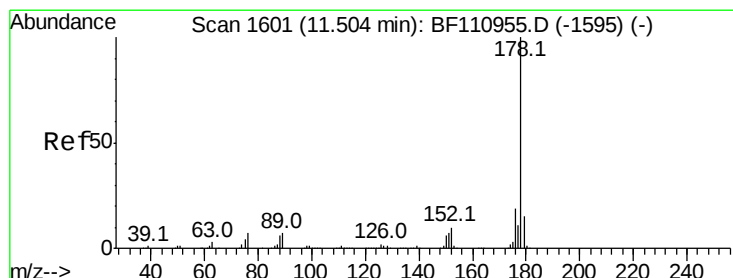
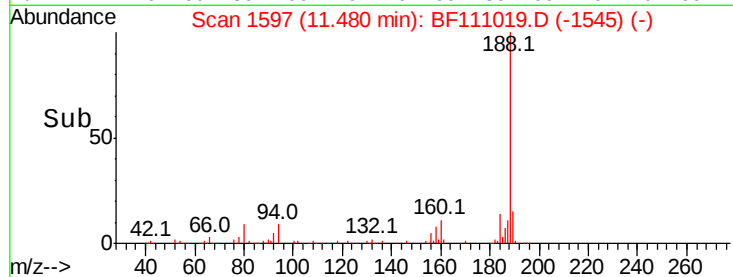
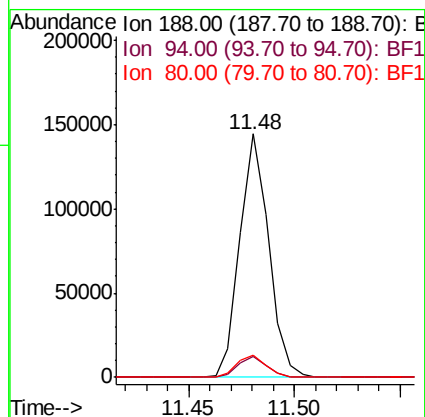
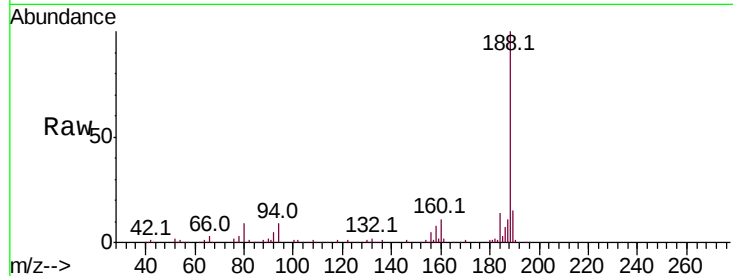
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. 0.01 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 8.6   | 7.2        | 10.8  |
| 80      | 9.1   | 7.9        | 11.9  |

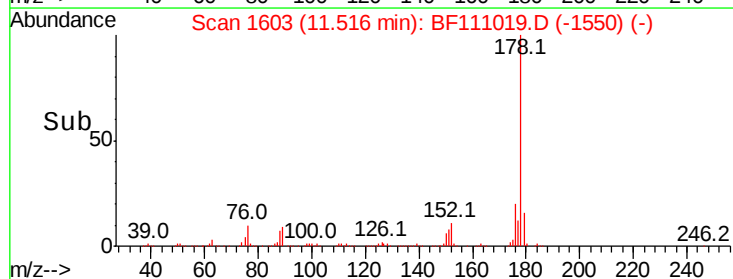
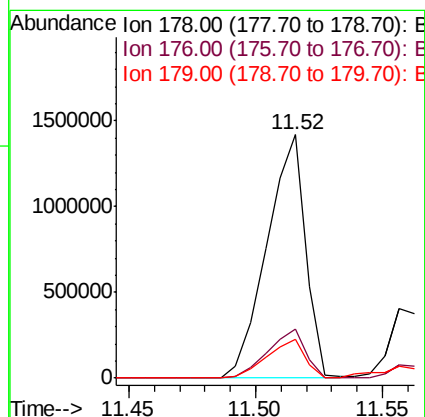
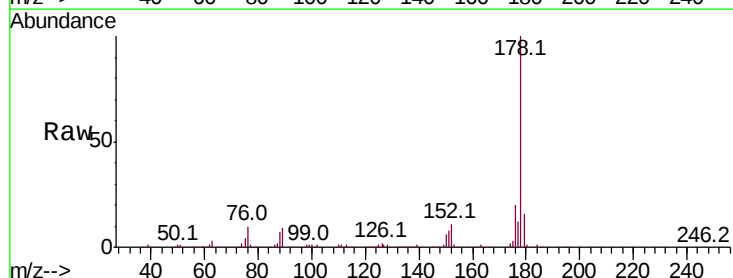
Manual Integrations  
APPROVED

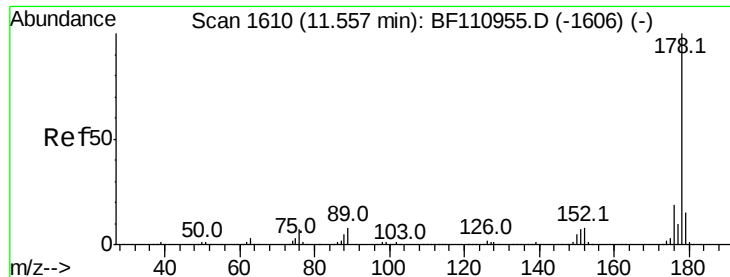
mohammad  
11/28/2018 4:56:47 PM



#71  
Phenanthrene  
Concen: 209.941 ng  
RT: 11.52 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 20.3  | 15.5       | 23.3  |
| 179     | 15.9  | 12.5       | 18.7  |





#72

Anthracene

Concen: 48.798 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

Instrument :

BNA\_F

ClientSampleId :

SS-01

Tot Ion:178 Resp: 358271

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

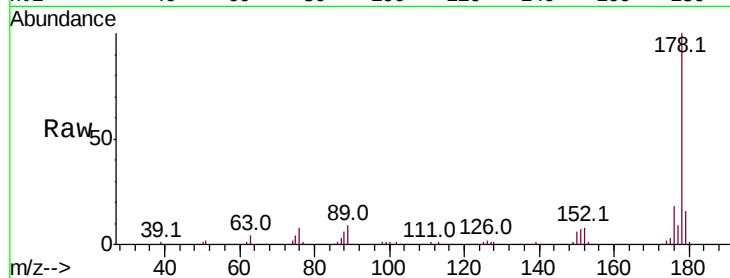
179 16.4 12.6 18.8

Manual Integrations

APPROVED

mohammad

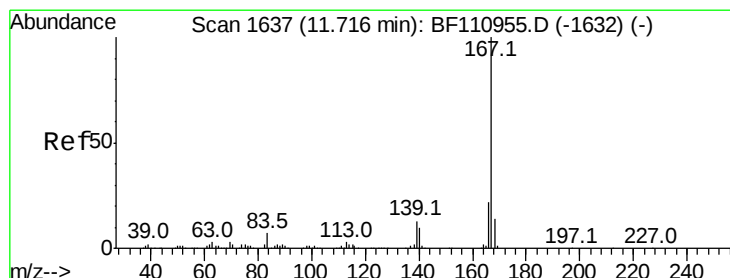
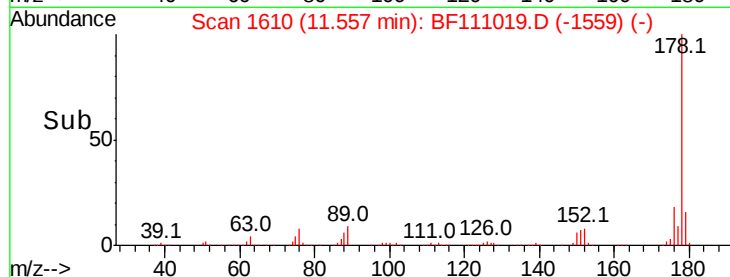
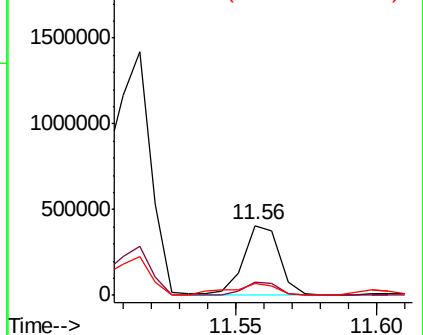
11/28/2018 4:56:47 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 34.234 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

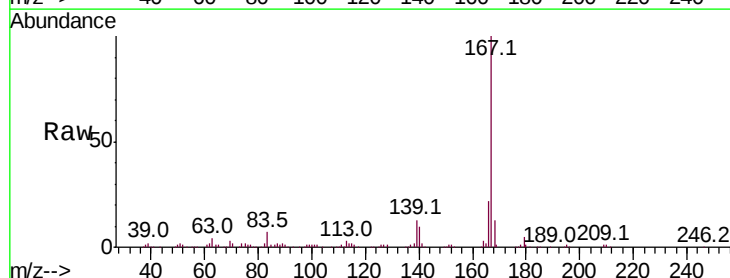
Tgt Ion:167 Resp: 243957

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

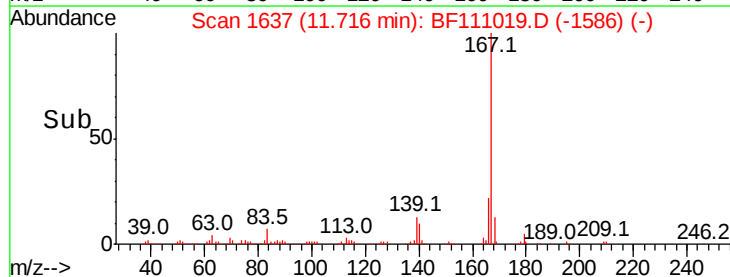
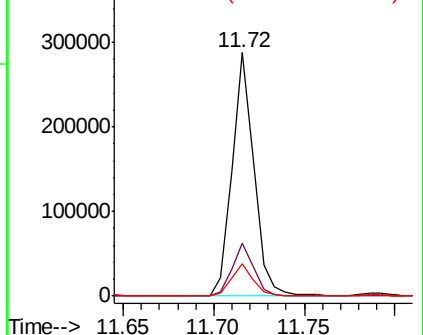
139 13.3 10.9 16.3

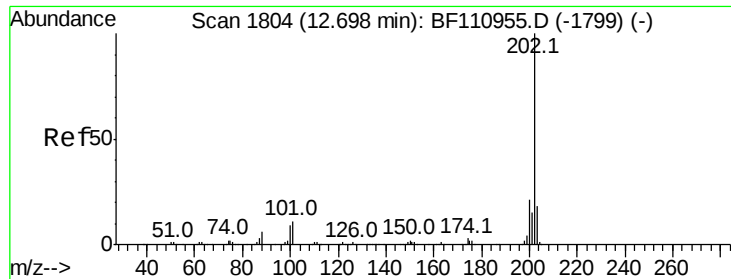


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 431.311 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.03 min

Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

Instrument :

BNA\_F

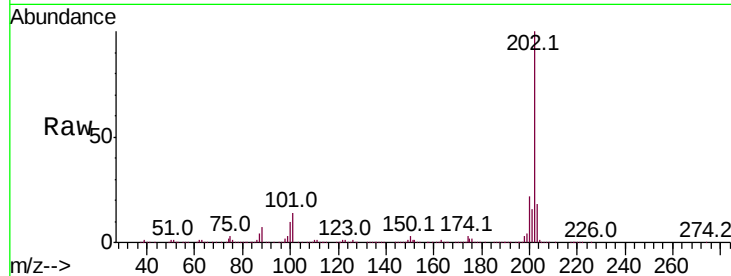
ClientSampled :

SS-01

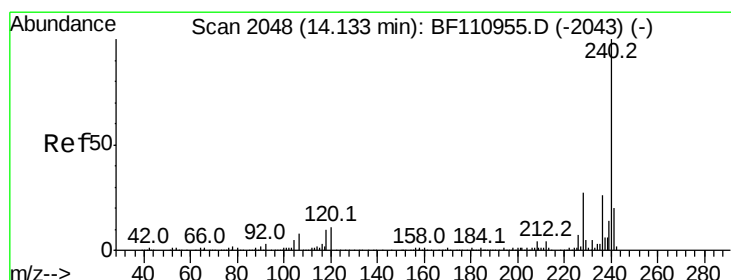
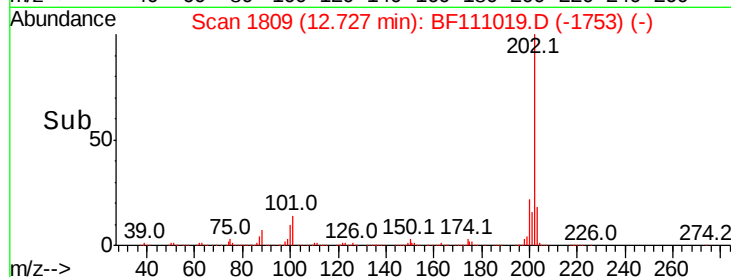
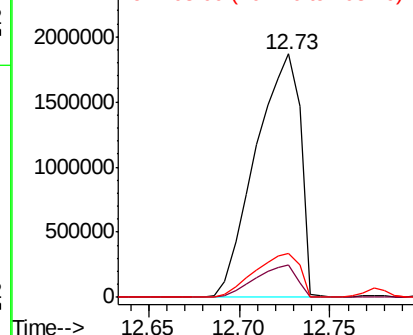
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 3195861 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 13.5  | 0.0   | 31.4    |
| 203      | 18.0  | 0.0   | 37.7    |

Manual Integrations  
APPROVED

mohammad  
11/28/2018 4:56:47 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
2500000 Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

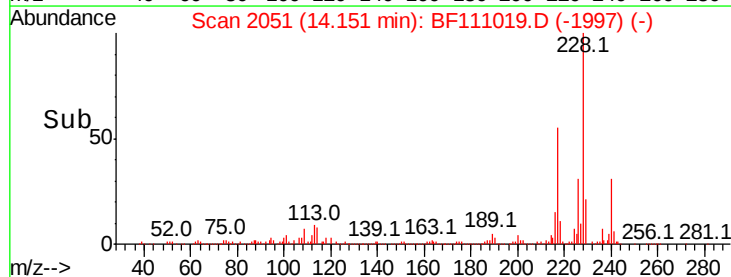
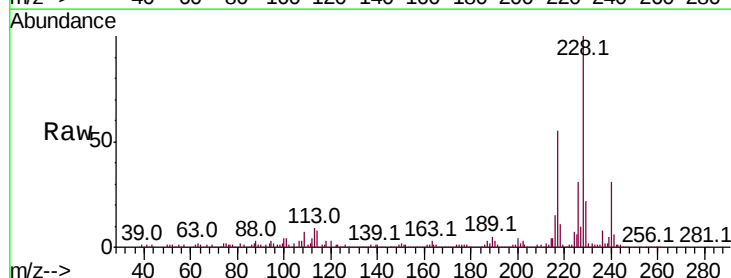
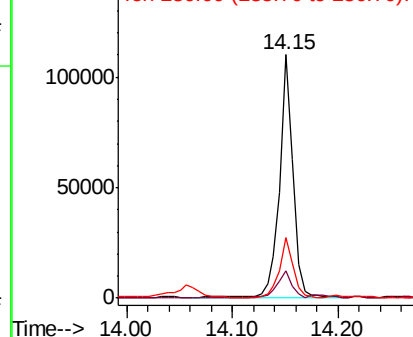
Delta R.T. 0.02 min

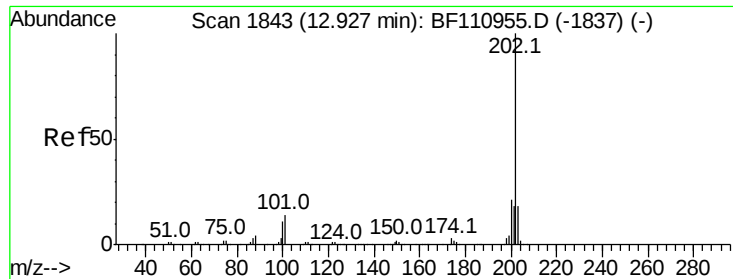
Lab File: BF111019.D

Acq: 27 Nov 2018 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 98203 |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 11.3  | 8.3   | 12.5  |
| 236      | 24.9  | 21.2  | 31.8  |

Abundance Ion 240.00 (239.70 to 240.70): E  
150000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





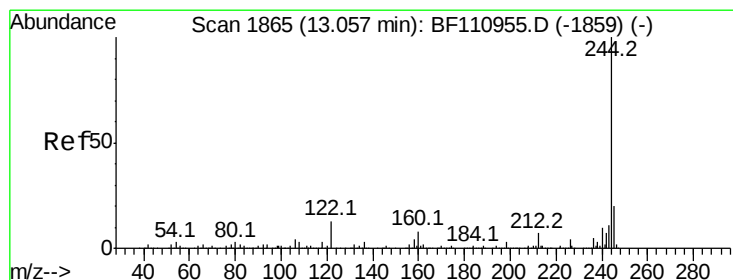
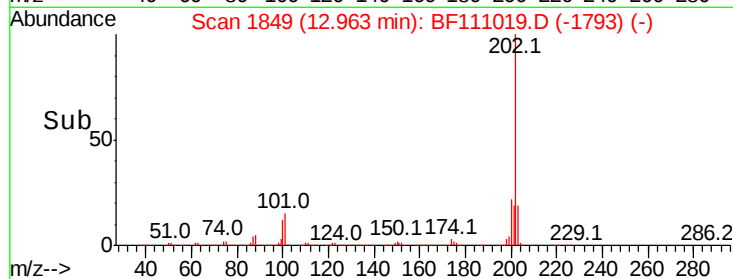
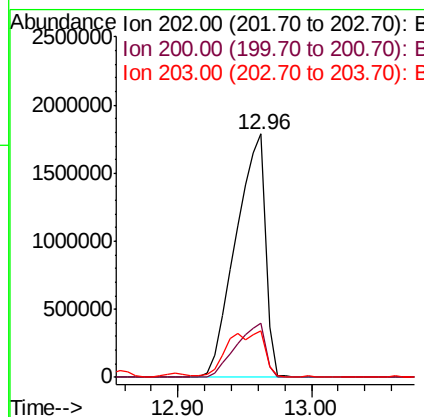
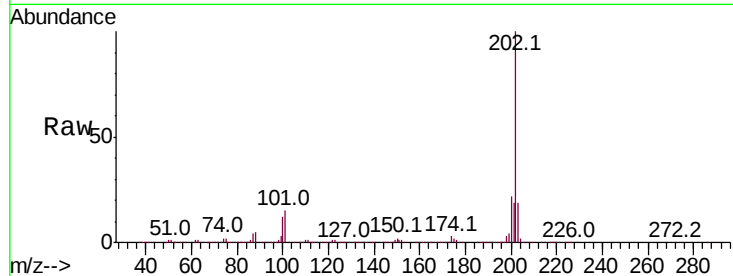
#78  
Pvrene  
Concen: 382.046 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. 0.03 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.3  | 17.8  | 26.6  |
| 203     | 18.9  | 14.2  | 21.4  |

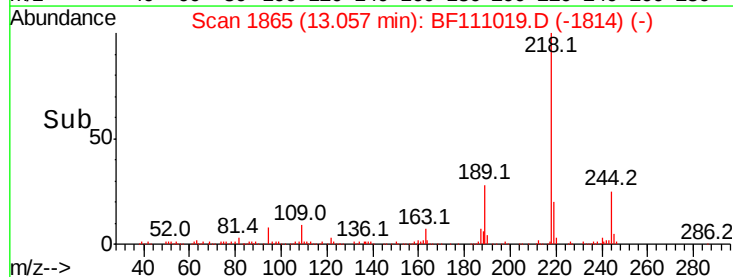
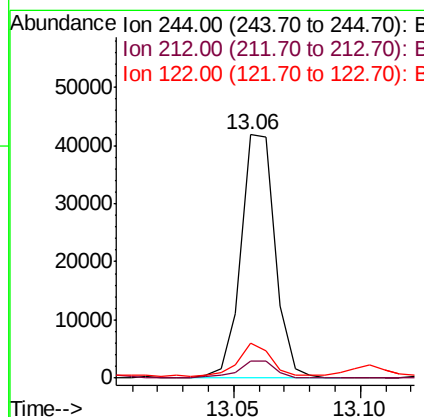
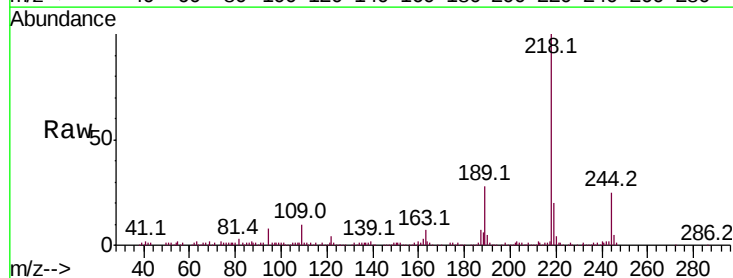
Manual Integrations  
APPROVED

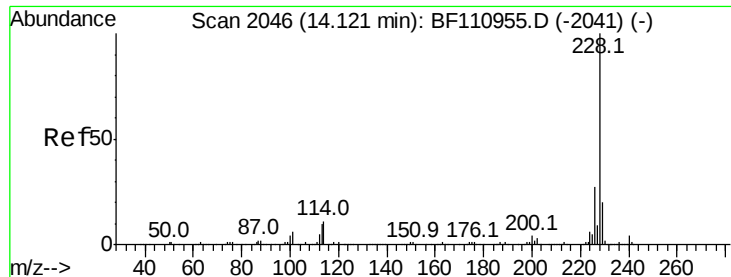
mohammad  
11/28/2018 4:56:47 PM



#79  
Terphenyl-d14  
Concen: 7.760 ng  
RT: 13.06 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.8   | 8.8   |
| 122     | 14.2  | 8.7   | 13.1# |





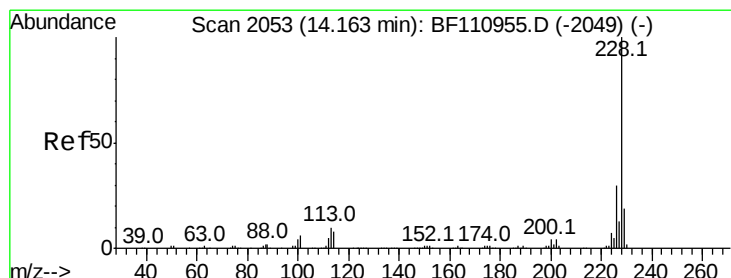
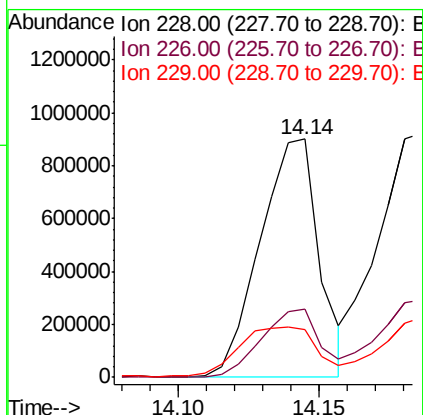
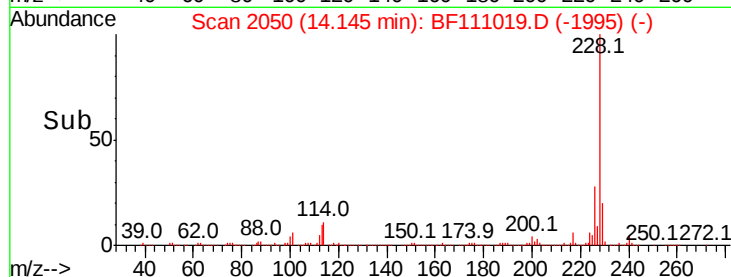
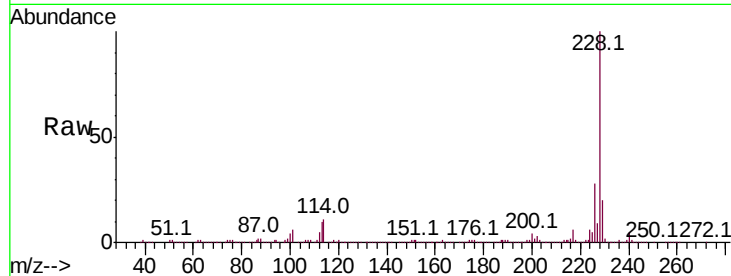
#81  
Benzo(a)anthracene  
Concen: 224.742 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. 0.02 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.4  | 22.1  | 33.1  |
| 229     | 20.3  | 15.6  | 23.4  |

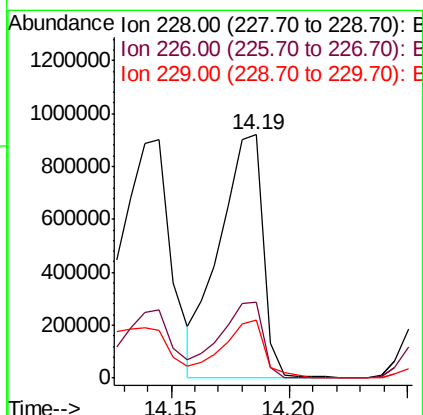
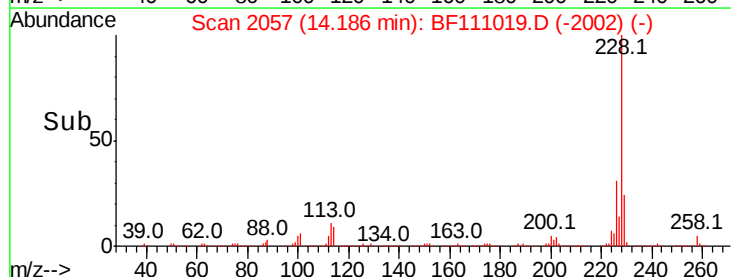
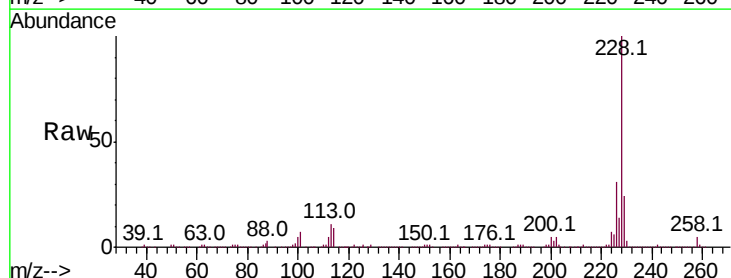
Manual Integrations  
APPROVED

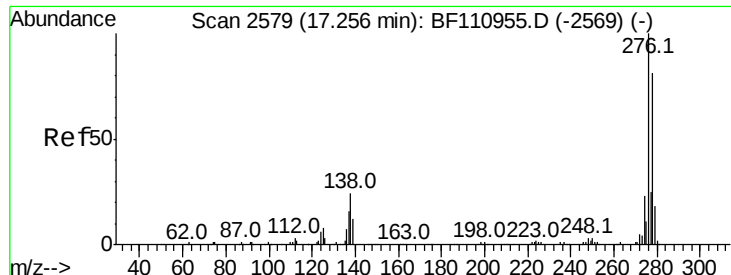
mohammad  
11/28/2018 4:56:47 PM



#83  
Chrysene  
Concen: 207.447 ng m  
RT: 14.19 min Scan# 2057  
Delta R.T. 0.02 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 24.7  | 37.1  |
| 229     | 23.9  | 15.9  | 23.9# |





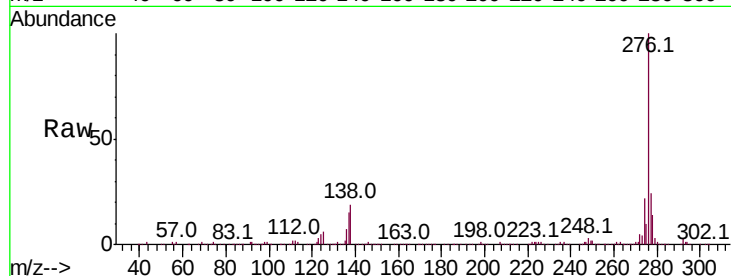
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 160.122 ng  
RT: 17.31 min Scan# 2588  
Delta R.T. 0.06 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

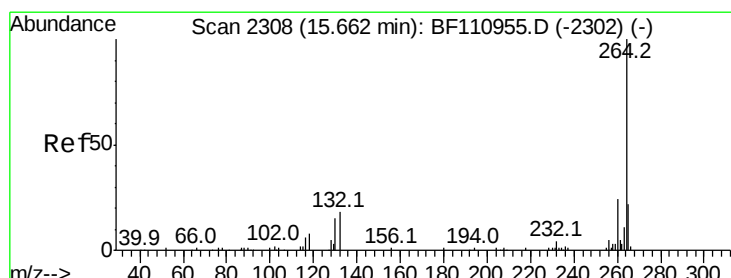
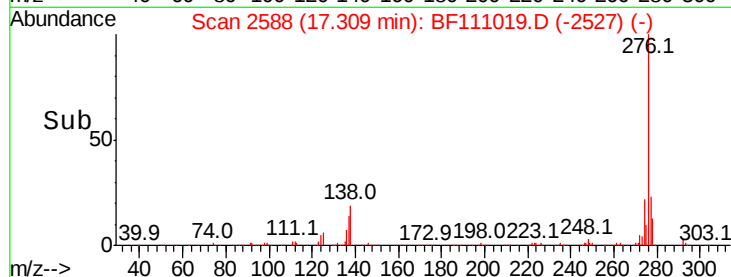
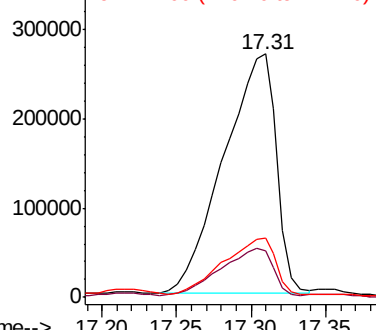
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.0  | 18.5  | 27.7  |
| 277     | 23.5  | 20.0  | 30.0  |

Manual Integrations  
APPROVED

mohammad  
11/28/2018 4:56:47 PM

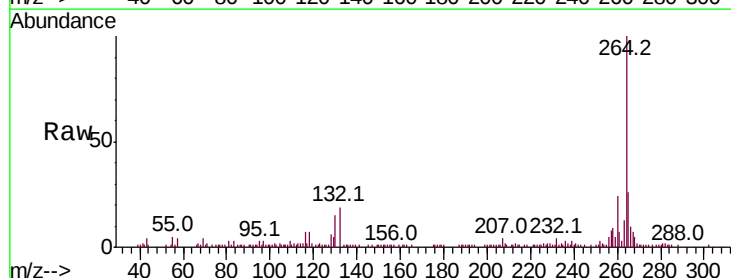


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

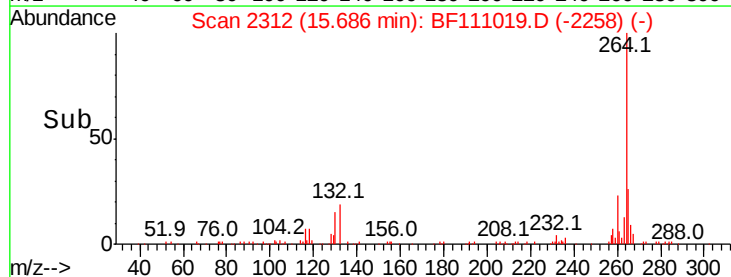
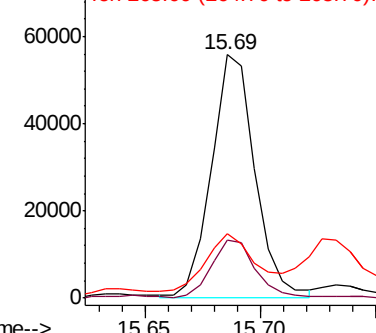


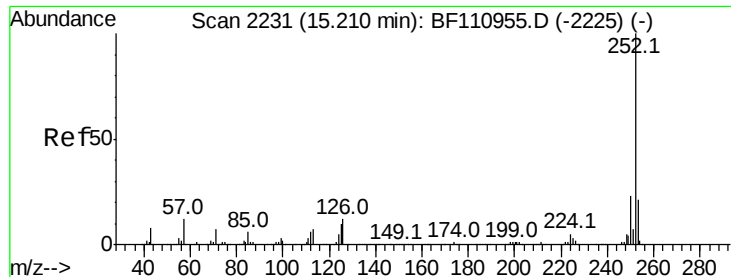
#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2312  
Delta R.T. 0.02 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.7  | 28.1  |
| 265     | 26.2  | 16.7  | 25.1# |



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





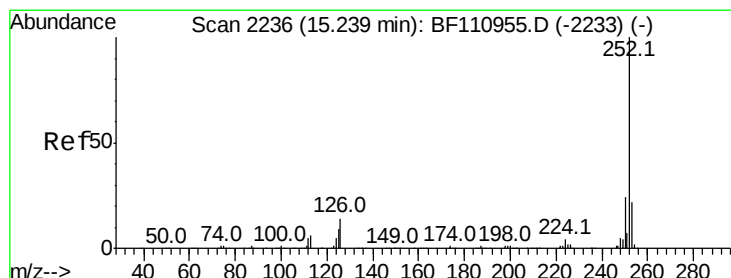
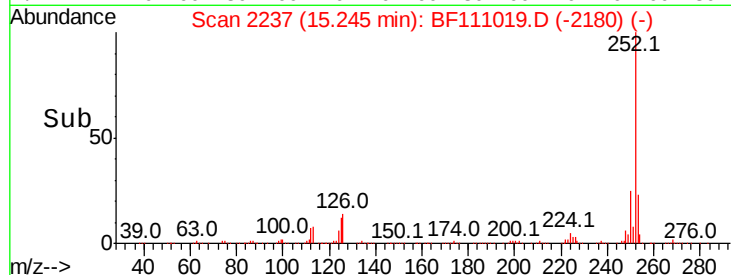
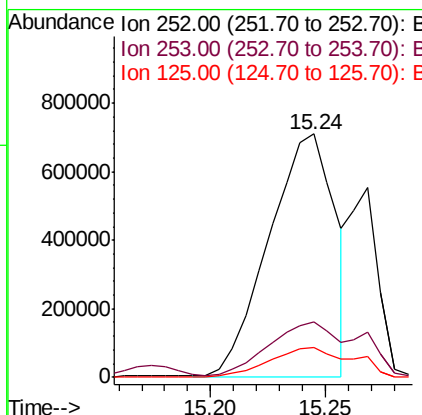
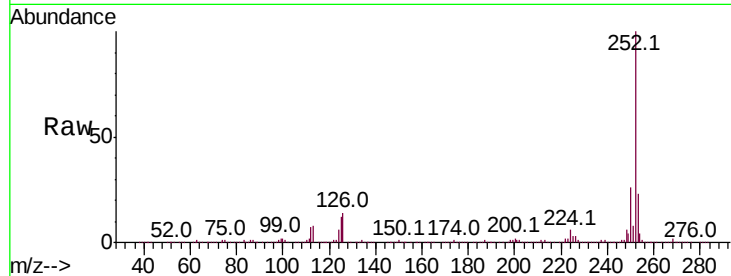
#88  
Benzo(b)fluoranthene  
Concen: 328.761 ng m  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.04 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

Tot Ion:252 Resp: 1417993  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.2 25.8  
125 12.1 8.2 12.4

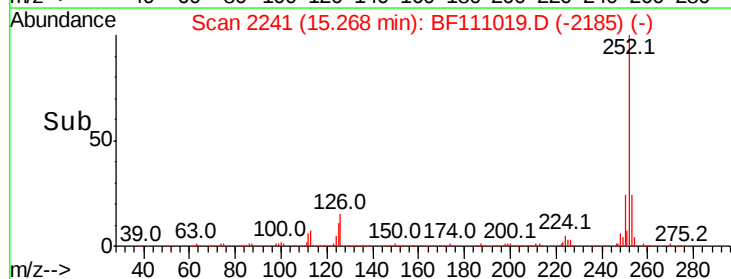
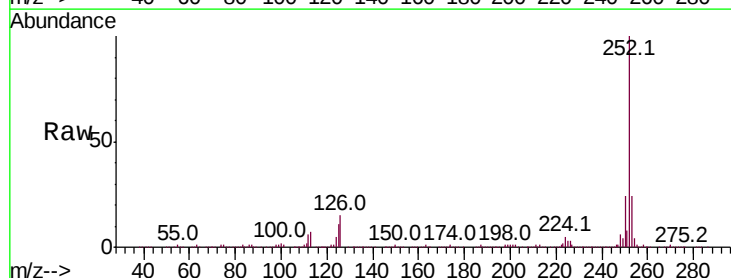
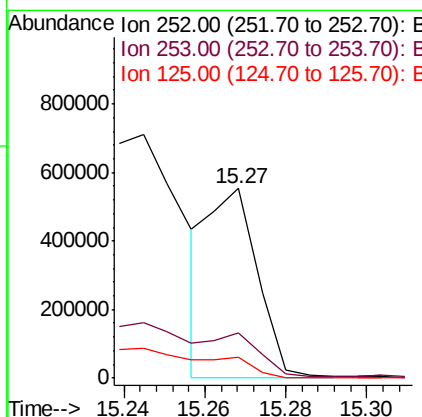
Manual Integrations  
APPROVED

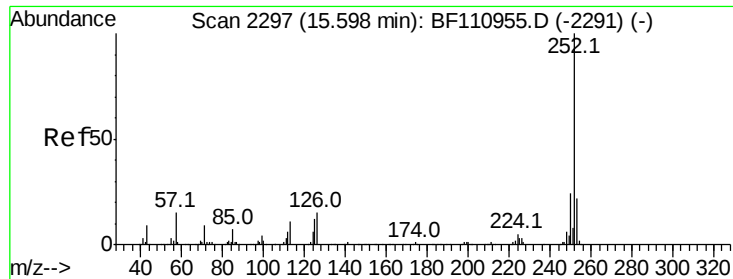
mohammad  
11/28/2018 4:56:47 PM



#89  
Benzo(k)fluoranthene  
Concen: 105.223 ng m  
RT: 15.27 min Scan# 2241  
Delta R.T. 0.03 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Tgt Ion:252 Resp: 467132  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.2 25.8  
125 10.7 7.4 11.0





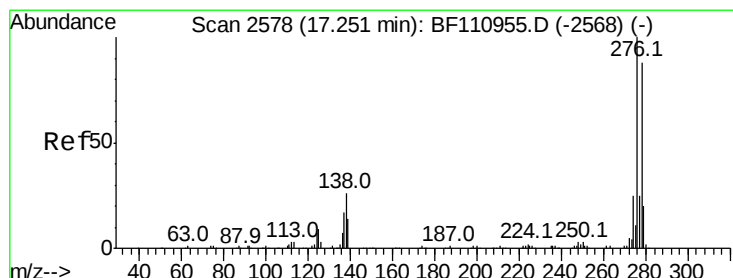
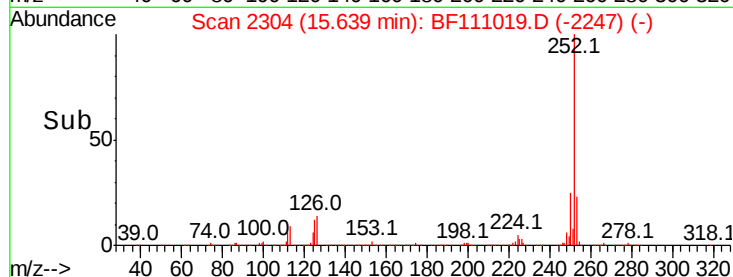
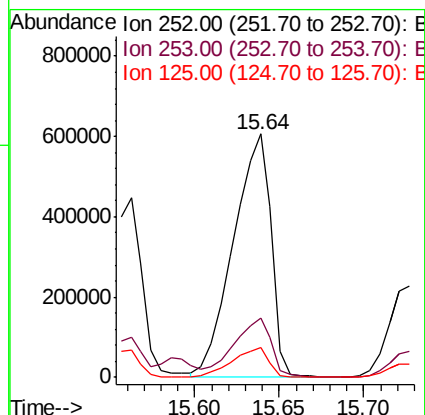
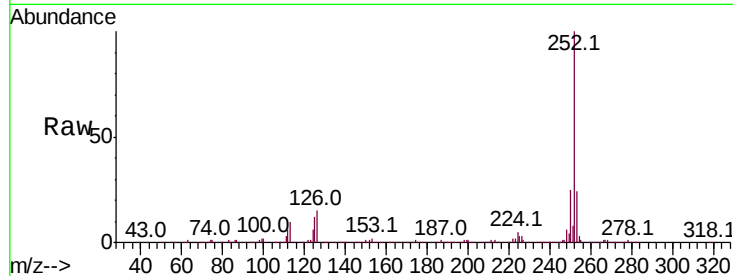
#90  
Benzo(a)pyrene  
Concen: 234.397 ng  
RT: 15.64 min Scan# 2304  
Delta R.T. 0.04 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
SS-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 18.2  | 27.4  |
| 125     | 12.0  | 9.0   | 13.6  |

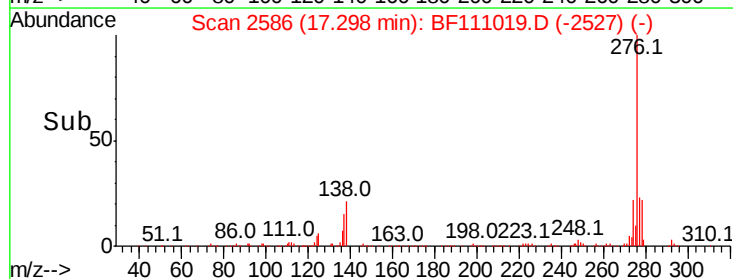
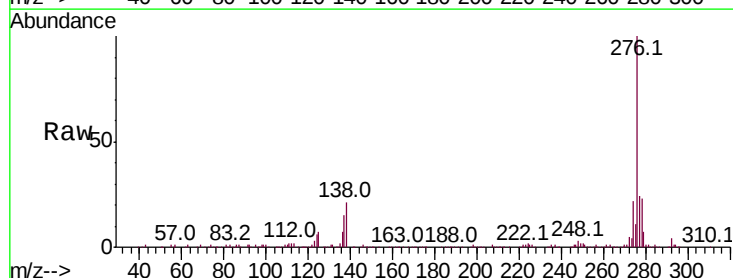
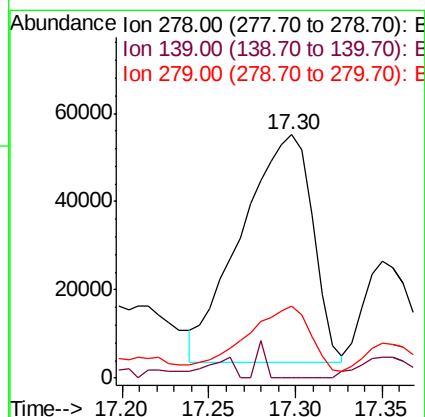
Manual Integrations  
APPROVED

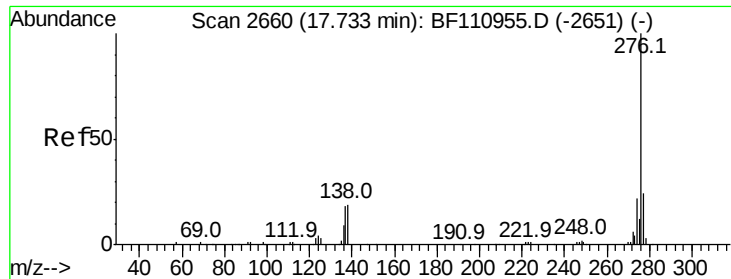
mohammad  
11/28/2018 4:56:47 PM



#91  
Dibenzo(a,h)anthracene  
Concen: 44.195 ng m  
RT: 17.30 min Scan# 2586  
Delta R.T. 0.05 min  
Lab File: BF111019.D  
Acq: 27 Nov 2018 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 12.7  | 19.1# |
| 279     | 29.6  | 19.0  | 28.4# |





#92  
 Benzo(a,h,i)perylene  
 Concen: 197.394 ng  
 RT: 17.80 min Scan# 2671  
 Delta R.T. 0.06 min  
 Lab File: BF111019.D  
 Acq: 27 Nov 2018 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 630462 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.7  | 18.8  | 28.2   |
| 138       | 20.6  | 16.0  | 24.0   |

Manual Integrations  
 APPROVED

mohammad  
 11/28/2018 4:56:47 PM

