

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
 Data File : BF094281.D  
 Acq On : 7 Apr 2017 19:07  
 Operator : SJ/MA  
 Sample : I2586-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

Manual Integrations  
 APPROVED

mohammad  
 4/10/2017 2:07:41 PM

Quant Time: Apr 10 04:09:20 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.95  | 152  | 189664m  | 20.00 | ng    | 0.09     |
| 21) Naphthalene-d8          | 7.40  | 136  | 715555   | 20.00 | ng    | 0.04     |
| 38) Acenaphthene-d10        | 9.49  | 164  | 299180   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.31 | 188  | 481413   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.57 | 240  | 420876   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 16.20 | 264  | 293792   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 25196m   | 2.24  | ng    | 1.05     |
| 7) Phenol-d6                | 6.03  | 99   | 243580m  | 17.53 | ng    | 0.56     |
| 23) Nitrobenzene-d5         | 6.64  | 82   | 694861   | 55.42 | ng    | 0.13     |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 126253   | 53.40 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.67  | 172  | 1102460  | 56.21 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.30 | 244  | 504331   | 26.86 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 32) Benzoic acid            | 7.30  | 122  | 111071   | 16.42 | ng    | 98       |
| 49) Dimethylphthalate       | 9.17  | 163  | 138633   | 6.52  | ng    | 97       |

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

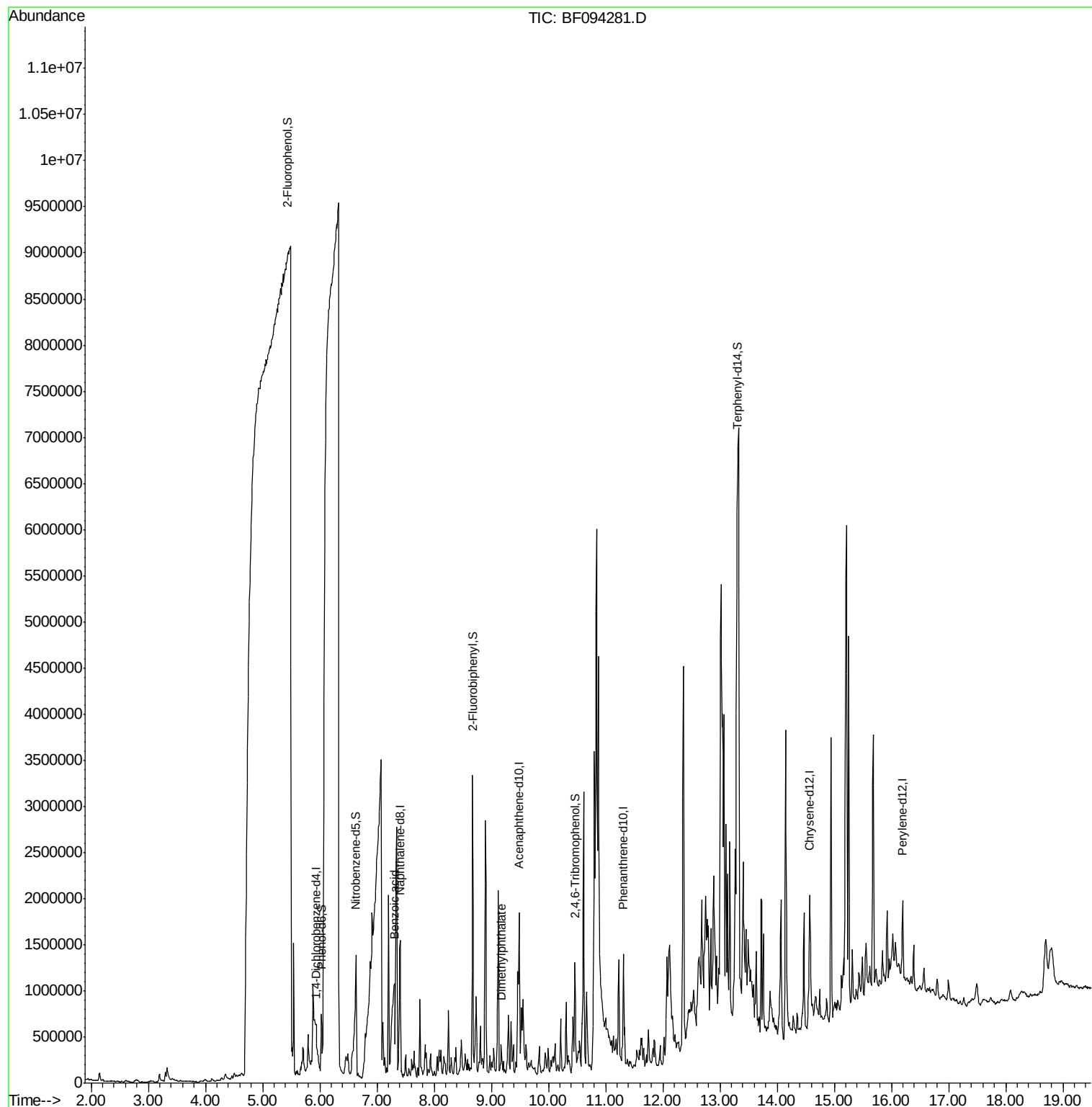
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
Data File : BF094281.D  
Acq On : 7 Apr 2017 19:07  
Operator : SJ/MA  
Sample : I2586-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

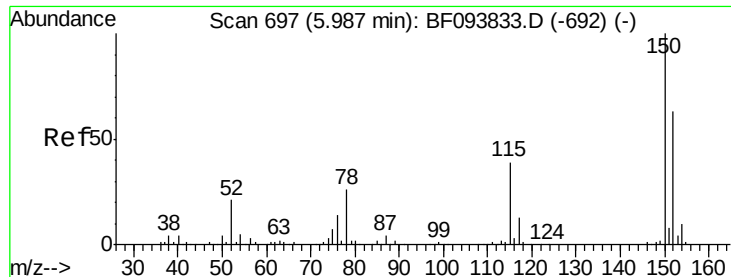
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

Manual Integrations  
APPROVED

mohammad  
4/10/2017 2:07:41 PM

Quant Time: Apr 10 04:09:20 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 06 13:20:29 2017  
Response via : Initial Calibration





#1

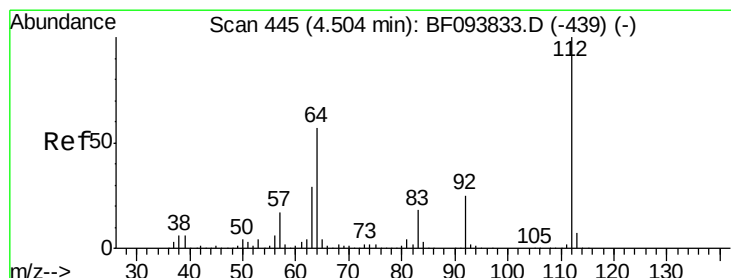
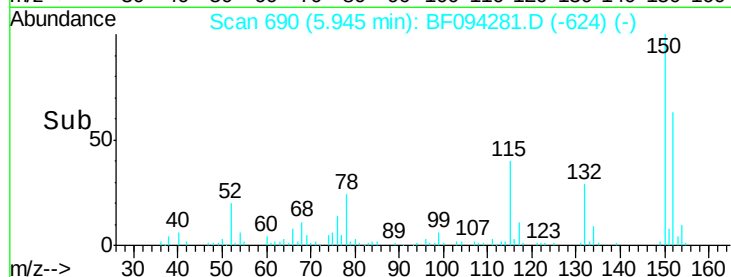
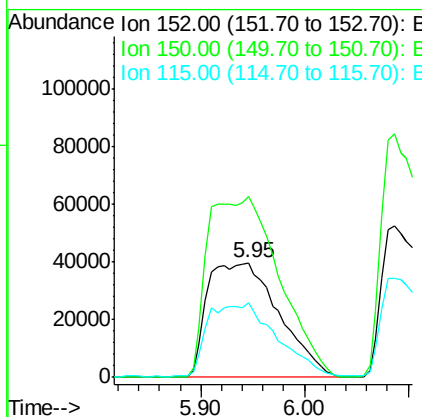
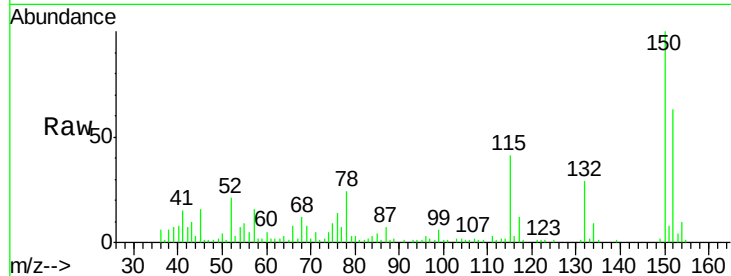
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng m  
RT: 5.95 min Scan# 690  
Delta R.T. 0.09 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 126.2 | 189.2 |
| 115     | 64.8  | 52.2  | 78.2  |

Manual Integrations  
APPROVED

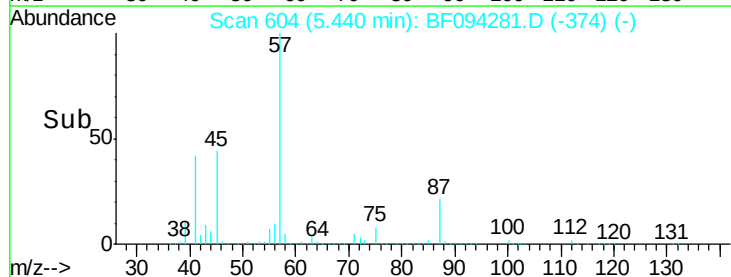
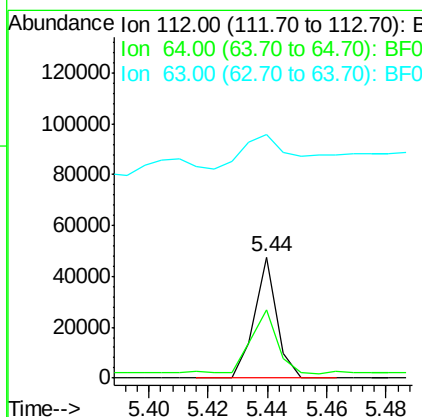
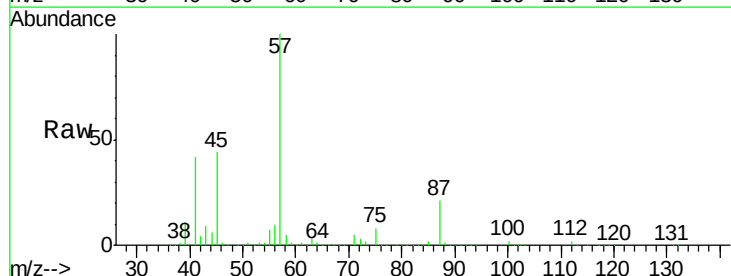
mohammad  
4/10/2017 2:07:41 PM

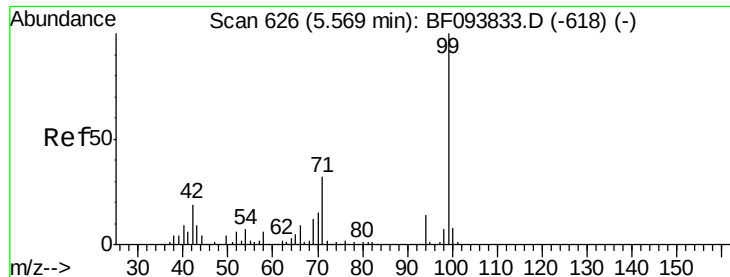


#5

2-Fluorophenol  
Concen: 2.24 ng m  
RT: 5.44 min Scan# 604  
Delta R.T. 1.05 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.5  | 46.0  | 69.0  |
| 63      | 201.5 | 23.4  | 35.0# |





#7

Phenol-d6

Concen: 17.53 ng/mL

RT: 6.03 min Scan# 704

Delta R.T. 0.56 min

Lab File: BF094281.D

Acq: 7 Apr 2017 19:07

Instrument :

BNA\_F

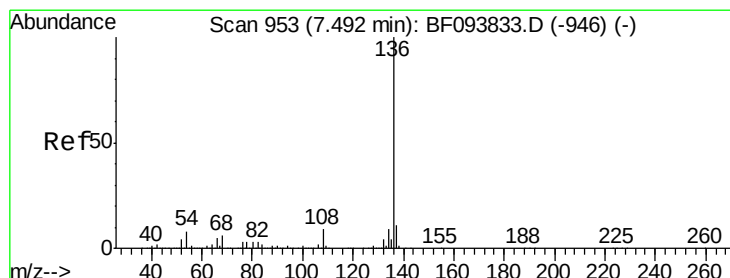
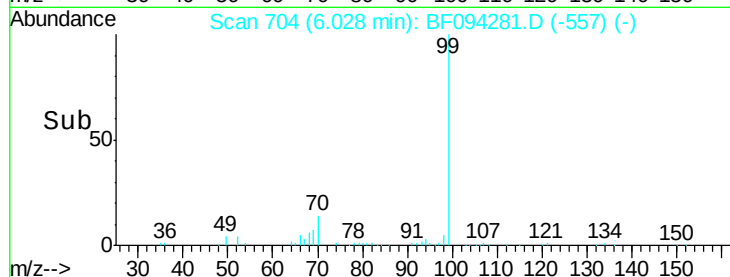
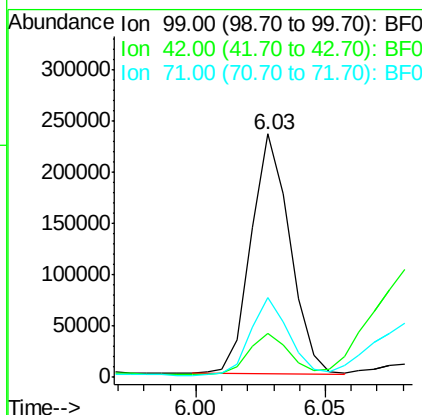
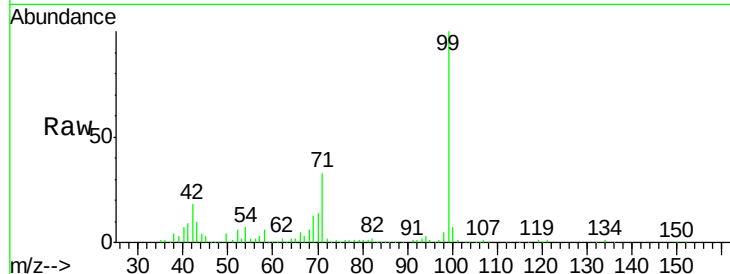
ClientSampleId :

EFF-WW

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 243580 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 18.0  | 13.5  | 20.3   |
| 71       | 32.6  | 24.5  | 36.7   |

Manual Integrations  
APPROVED

mohammad  
4/10/2017 2:07:41 PM



#21

Naphthalene-d8

Concen: 20.00 ng/mL

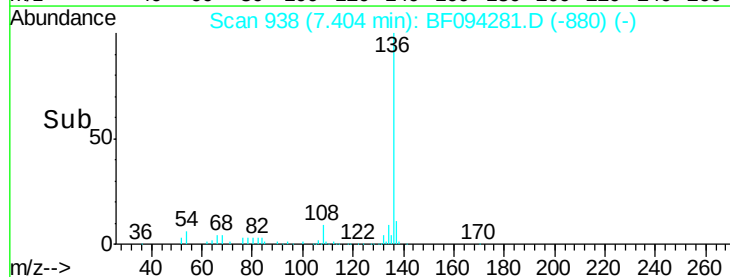
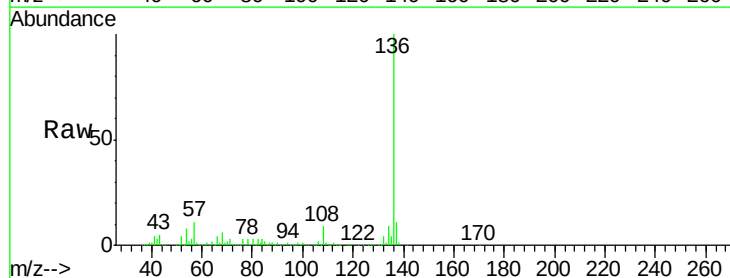
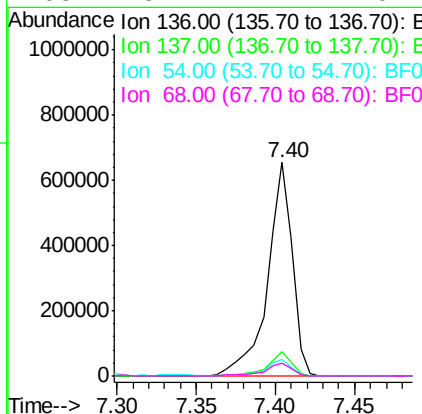
RT: 7.40 min Scan# 938

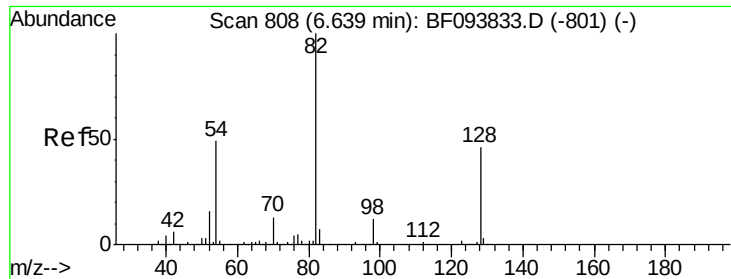
Delta R.T. 0.04 min

Lab File: BF094281.D

Acq: 7 Apr 2017 19:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 715555 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 7.6   | 4.9   | 7.3#   |
| 68       | 5.7   | 4.1   | 6.1    |





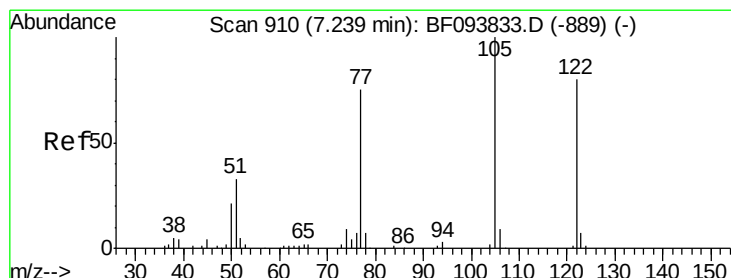
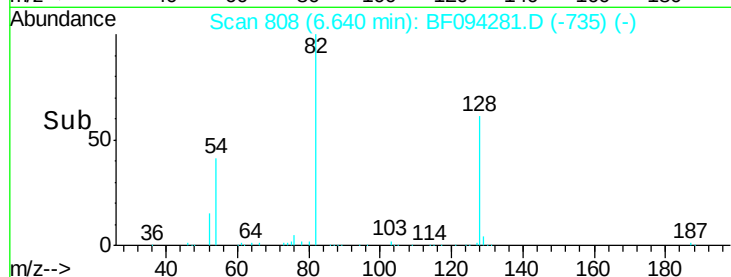
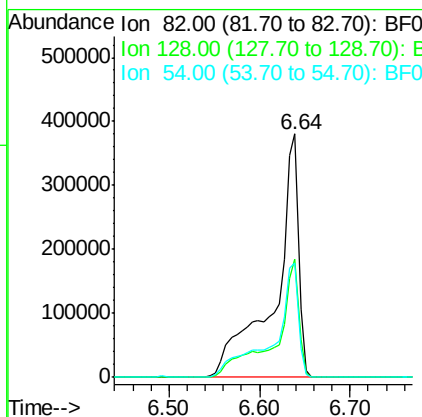
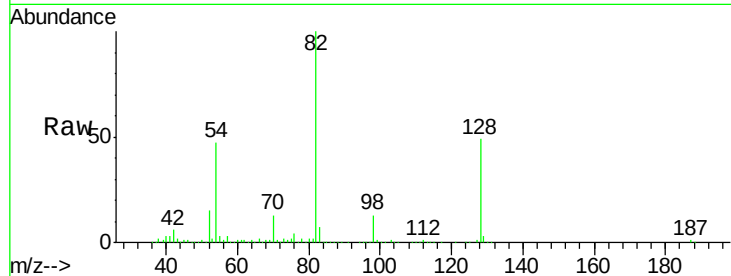
#23  
Nitrobenzene-d5  
Concen: 55.42 ng  
RT: 6.64 min Scan# 808  
Delta R.T. 0.13 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

Instrument :  
BNA\_F  
ClientSampled :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.6  | 34.0  | 51.0  |
| 54      | 47.2  | 42.2  | 63.2  |

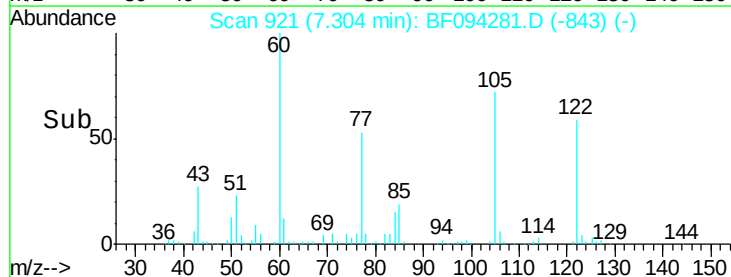
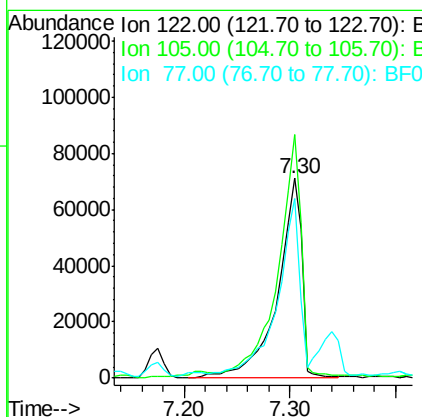
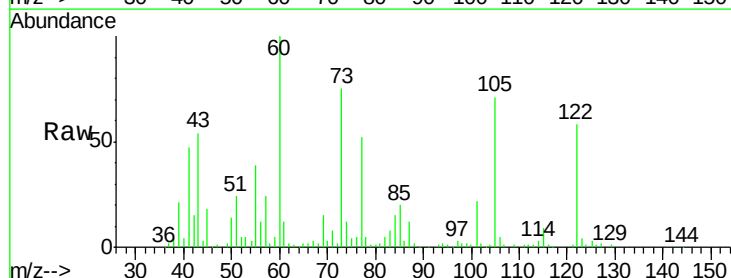
Manual Integrations  
APPROVED

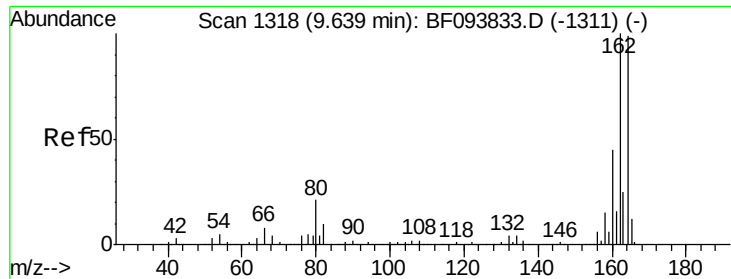
mohammad  
4/10/2017 2:07:41 PM



#32  
Benzoic acid  
Concen: 16.42 ng  
RT: 7.30 min Scan# 921  
Delta R.T. 0.16 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 122.0 | 103.3 | 143.3 |
| 77      | 90.1  | 73.7  | 113.7 |





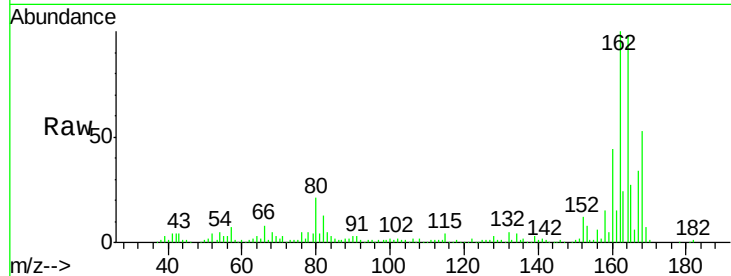
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.49 min Scan# 1292  
 Delta R.T. -0.01 min  
 Lab File: BF094281.D  
 Acq: 7 Apr 2017 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WW

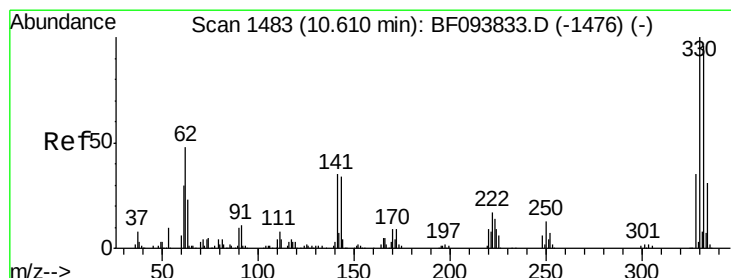
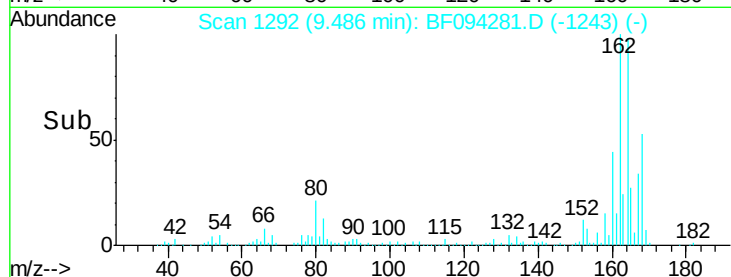
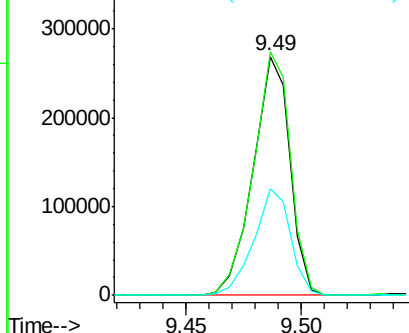
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 299180 |       |       |
| 162     | 102.0 | 82.6   | 123.8 |       |
| 160     | 44.6  | 36.2   | 54.2  |       |

Manual Integrations  
 APPROVED

mohammad  
 4/10/2017 2:07:41 PM

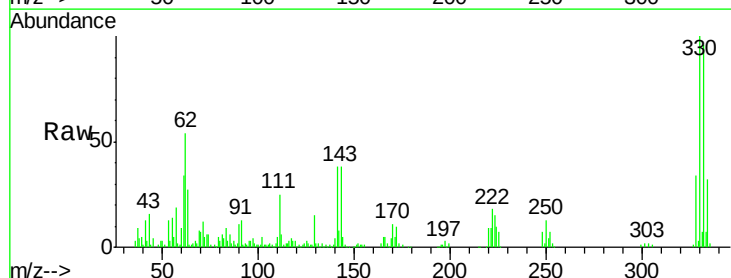


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

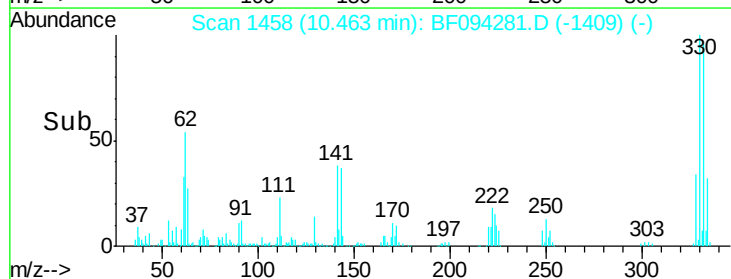
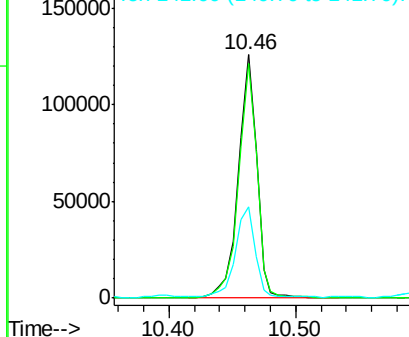


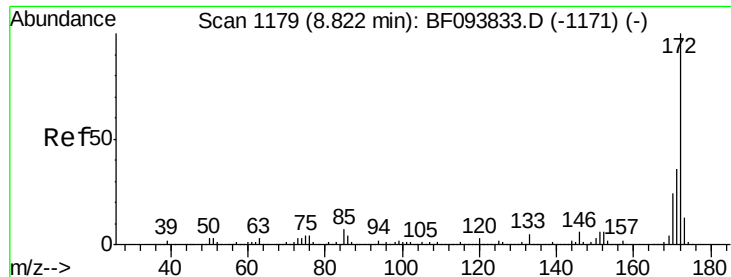
#41  
 2,4,6-Tribromophenol  
 Concen: 53.40 ng  
 RT: 10.46 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF094281.D  
 Acq: 7 Apr 2017 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 126253 |       |       |
| 332     | 96.2  | 76.6   | 115.0 |       |
| 141     | 39.8  | 31.4   | 47.2  |       |



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





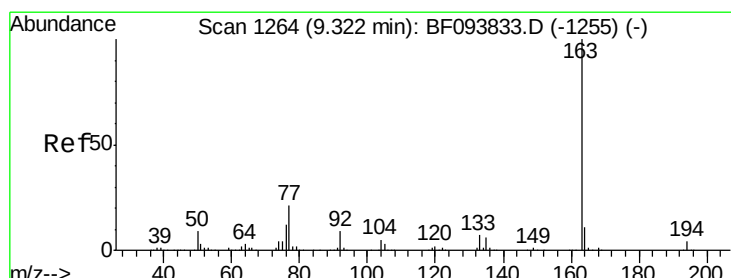
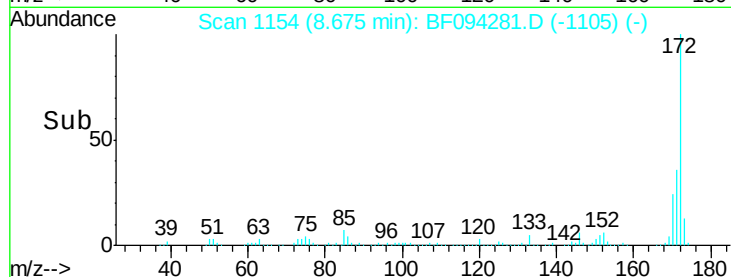
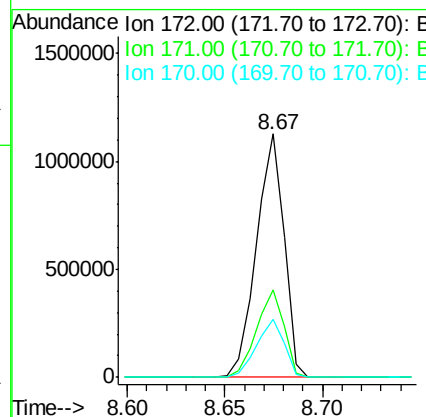
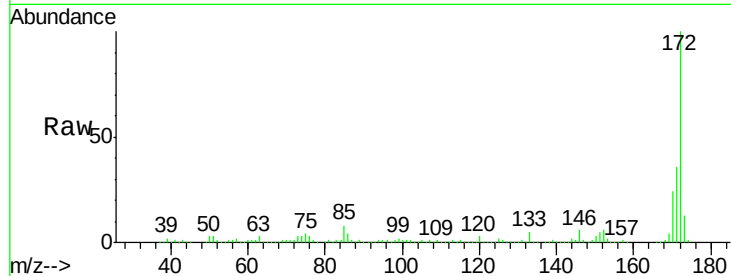
#44  
2-Fluorobiphenyl  
Concen: 56.21 ng  
RT: 8.67 min Scan# 1154  
Delta R.T. -0.01 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |

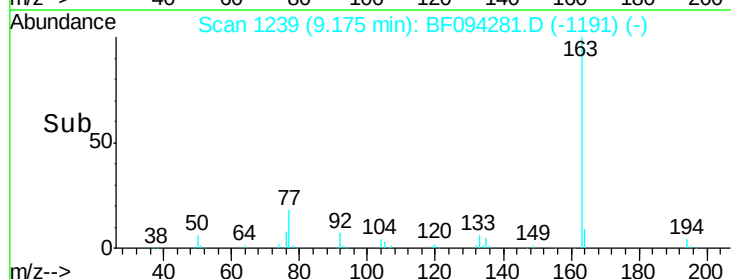
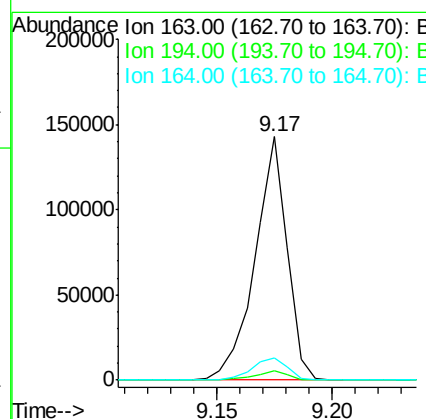
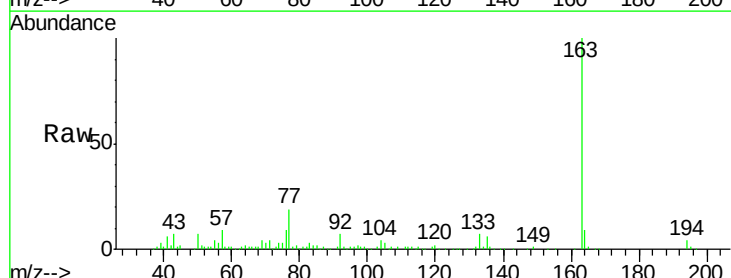
Manual Integrations  
APPROVED

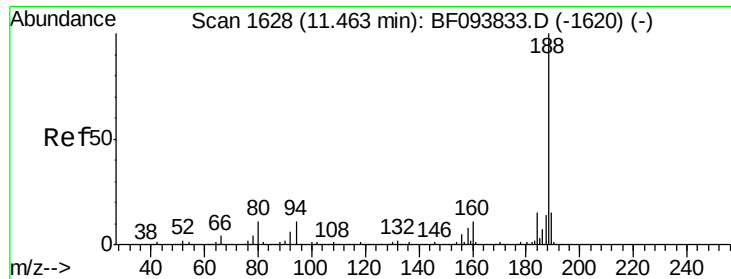
mohammad  
4/10/2017 2:07:41 PM



#49  
Dimethylphthalate  
Concen: 6.52 ng  
RT: 9.17 min Scan# 1239  
Delta R.T. -0.02 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 2.6   | 4.0   |
| 164     | 9.3   | 8.4   | 12.6  |





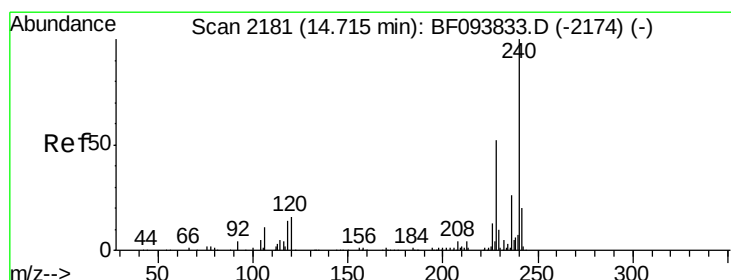
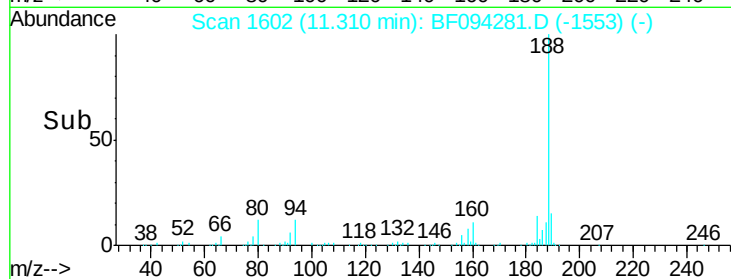
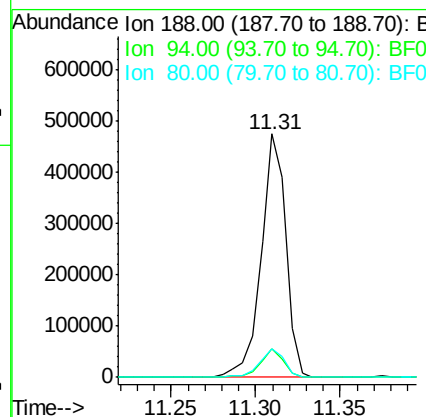
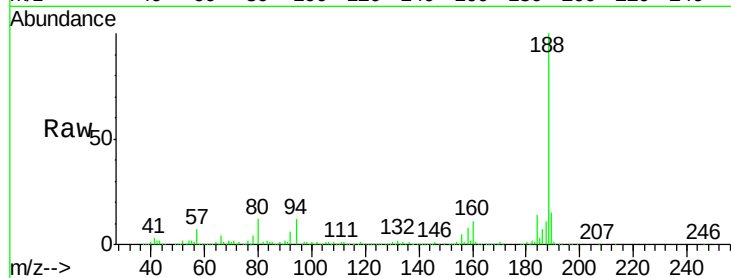
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.31 min Scan# 1602  
Delta R.T. -0.01 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WW

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 481413 |       |       |
| 94      | 11.6  |        | 9.4   | 14.2  |
| 80      | 11.8  |        | 10.2  | 15.2  |

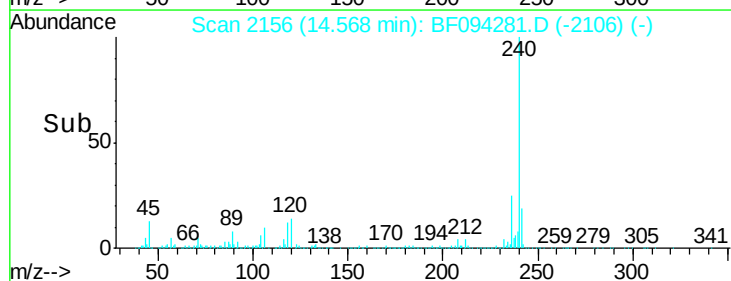
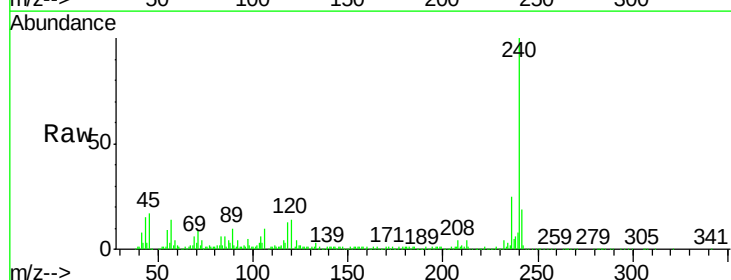
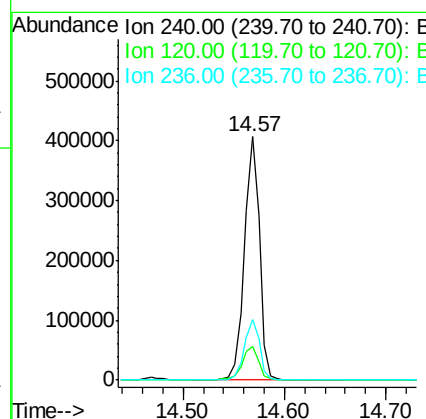
Manual Integrations  
APPROVED

mohammad  
4/10/2017 2:07:41 PM

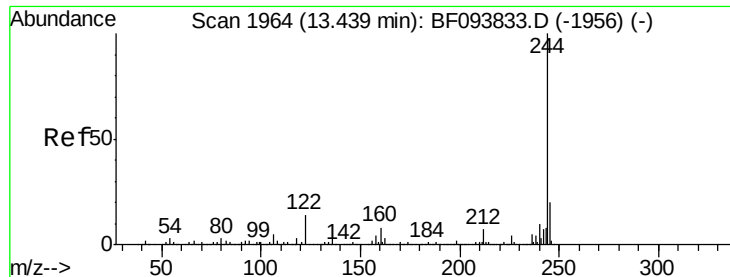


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.57 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BF094281.D  
Acq: 7 Apr 2017 19:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 420876 |       |       |
| 120     | 14.0  |        | 5.8   | 8.8#  |
| 236     | 25.1  |        | 20.5  | 30.7  |







#78

Terphenyl-d14

Concen: 26.86 ng

RT: 13.30 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BF094281.D

Acq: 7 Apr 2017 19:07

Instrument :

BNA\_F

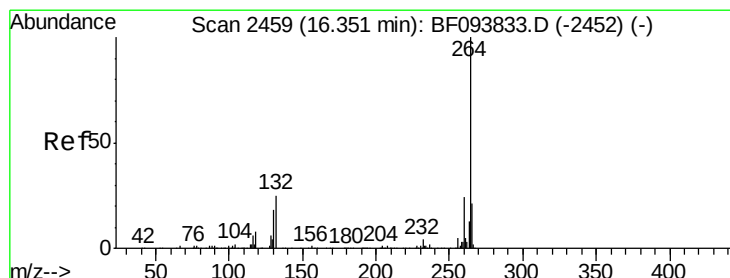
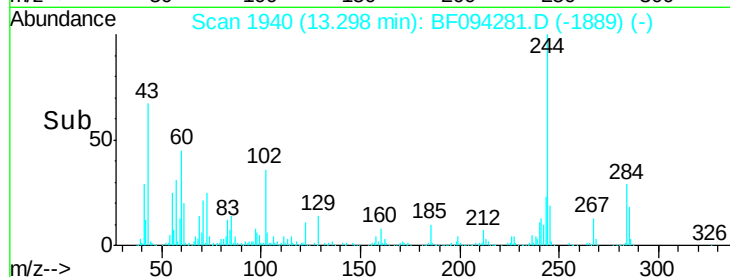
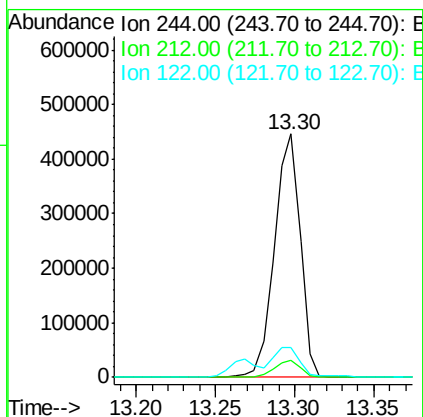
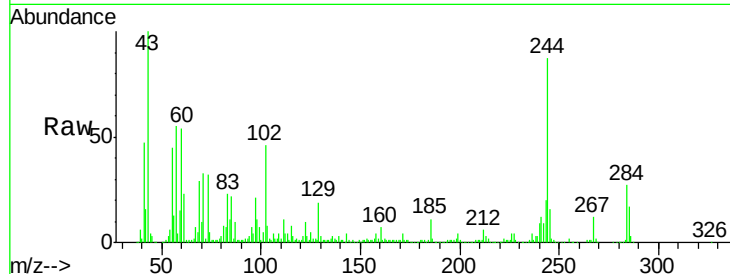
ClientSampleId :

EFF-WW

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 504331 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.9   | 6.0   | 9.0    |
| 122       | 12.0  | 10.3  | 15.5   |

Manual Integrations  
APPROVED

mohammad  
4/10/2017 2:07:41 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.20 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BF094281.D

Acq: 7 Apr 2017 19:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 293792 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 19.5  | 29.3   |
| 265       | 22.1  | 17.2  | 25.8   |

