

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\  
 Data File : BF094499.D  
 Acq On : 18 Apr 2017 21:10  
 Operator : SJ/MA  
 Sample : I2708-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-Z9-BASE

Manual Integrations  
 APPROVED

mohammad  
 4/19/2017 1:33:32 PM

Quant Time: Apr 19 02:43:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.77  | 152  | 122118   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.27  | 136  | 515090   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.40  | 164  | 189241   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 375678   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.47 | 240  | 267108   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 16.09 | 264  | 247653   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.33  | 112  | 1005978  | 136.67 | ng    | 0.03     |
| 7) Phenol-d6                | 5.40  | 99   | 1352471  | 155.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.42  | 82   | 810725   | 97.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.38 | 330  | 245899   | 166.12 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.59  | 172  | 1232529  | 95.83  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.20 | 244  | 893475   | 89.41  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 5.41  | 94   | 67920    | 6.37   | ng    | 90       |
| 17) 2-Methylphenol          | 6.09  | 107  | 66530    | 10.09  | ng    | 93       |
| 20) 3+4-Methylphenols       | 6.27  | 107  | 115530   | 12.89  | ng    | # 62     |
| 27) 2,4-Dimethylphenol      | 6.89  | 122  | 21840    | 2.85   | ng    | 92       |
| 31) Naphthalene             | 7.28  | 128  | 182700   | 7.38   | ng    | # 84     |
| 49) Dimethylphthalate       | 9.09  | 163  | 500141   | 35.46  | ng    | 99       |
| 70) Phenanthrene            | 11.24 | 178  | 223842   | 10.58  | ng    | 98       |
| 71) Anthracene              | 11.31 | 178  | 47399    | 2.17   | ng    | 96       |
| 74) Fluoranthene            | 12.71 | 202  | 375591   | 17.13  | ng    | 99       |
| 77) Pyrene                  | 12.98 | 202  | 345202   | 18.50  | ng    | 97       |
| 80) Benzo(a)anthracene      | 14.45 | 228  | 145405   | 9.37   | ng    | 96       |
| 82) Chrysene                | 14.49 | 228  | 141393   | 9.97   | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.35 | 276  | 90666    | 6.72   | ng    | # 91     |
| 87) Benzo(b)fluoranthene    | 15.69 | 252  | 189595m  | 12.51  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.71 | 252  | 56638m   | 3.95   | ng    |          |
| 89) Benzo(a)pyrene          | 16.03 | 252  | 133544   | 9.48   | ng    | 98       |
| 91) Benzo(a,h,i)perylene    | 17.72 | 276  | 88464    | 7.42   | ng    | 98       |

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

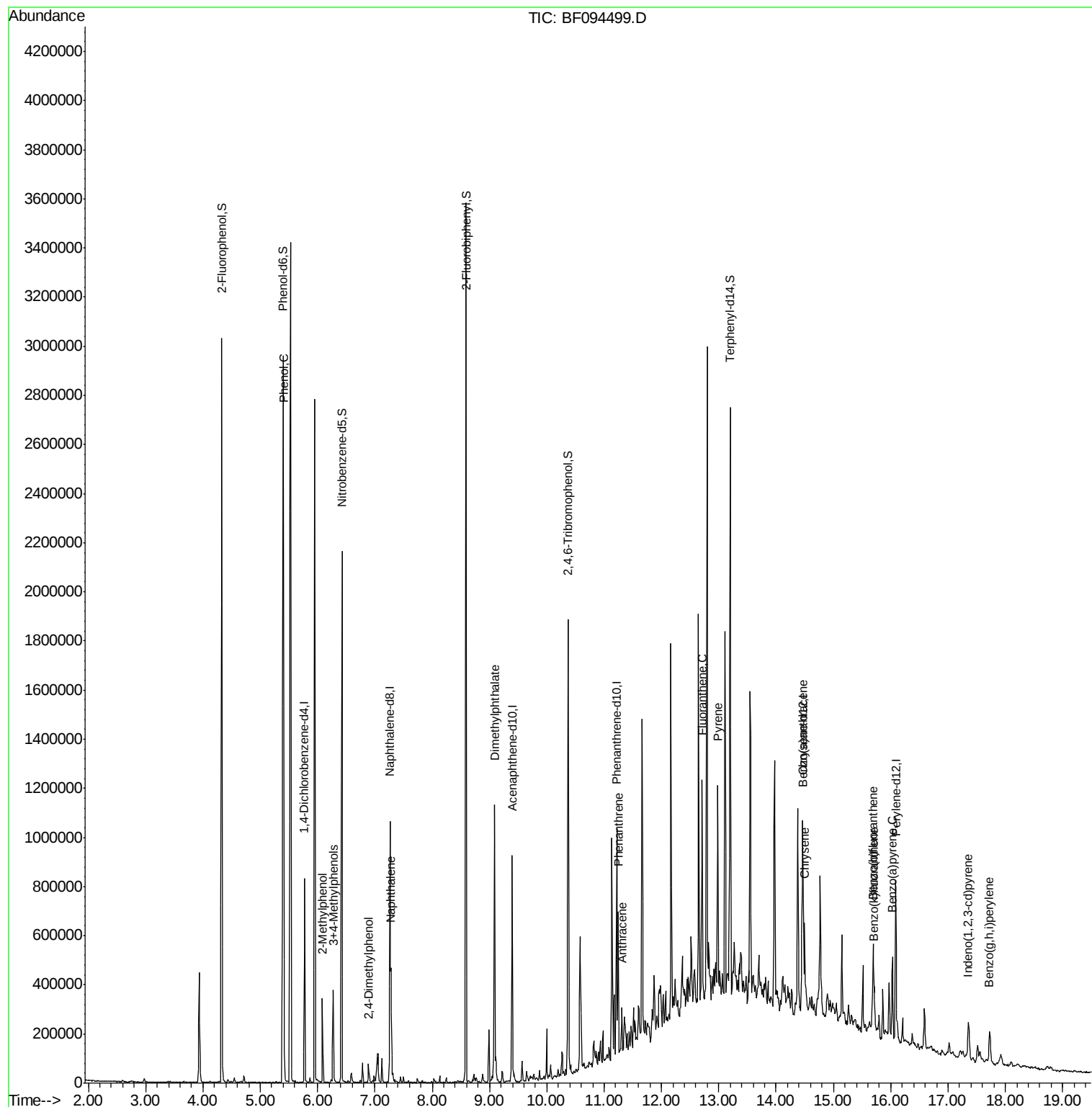
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\  
Data File : BF094499.D  
Acq On : 18 Apr 2017 21:10  
Operator : SJ/MA  
Sample : I2708-07  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

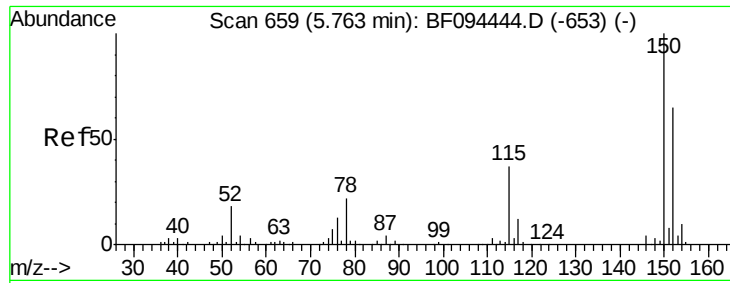
Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM

Quant Time: Apr 19 02:43:23 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 17 14:59:23 2017  
Response via : Initial Calibration





#1

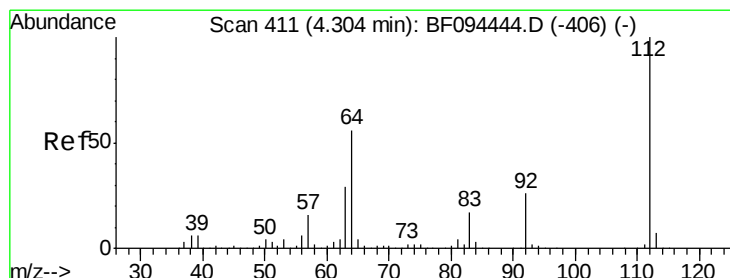
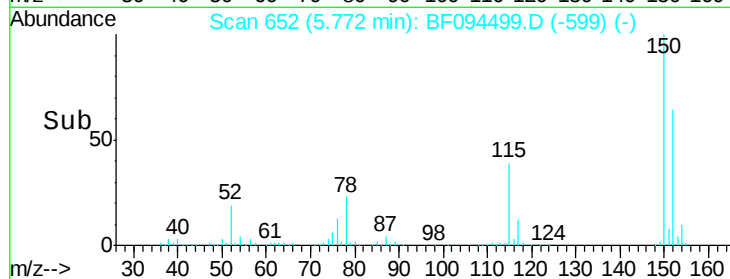
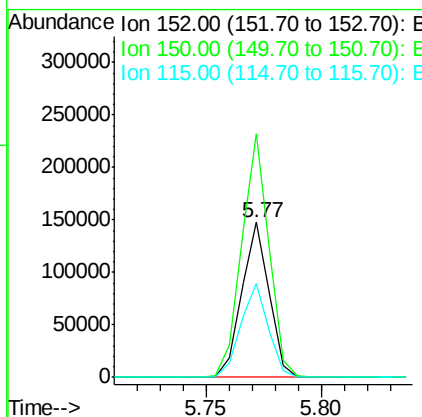
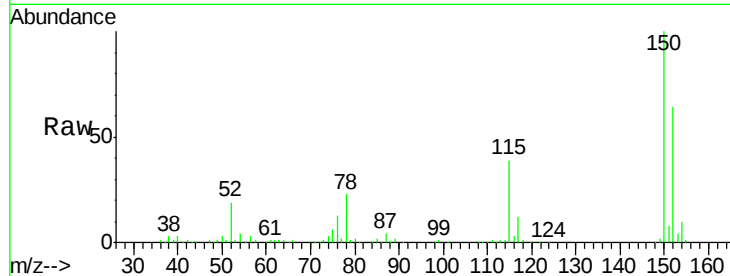
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.77 min Scan# 652  
Delta R.T. 0.01 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 126.2 | 189.2 |
| 115     | 60.8  | 52.2  | 78.2  |

Manual Integrations  
APPROVED

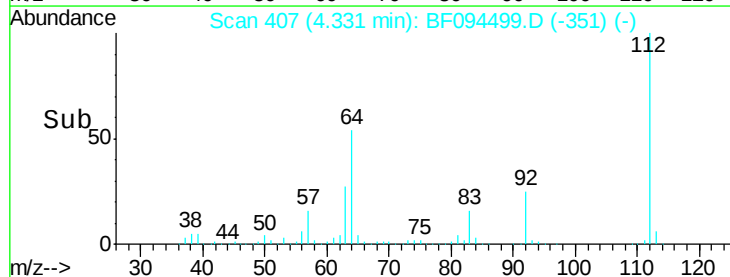
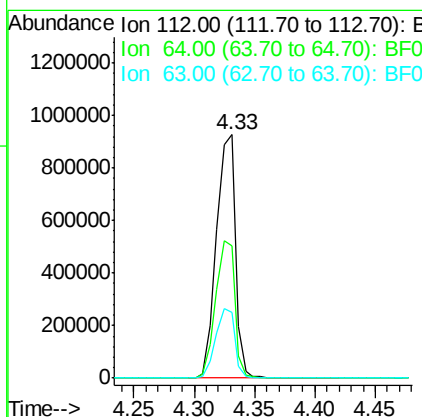
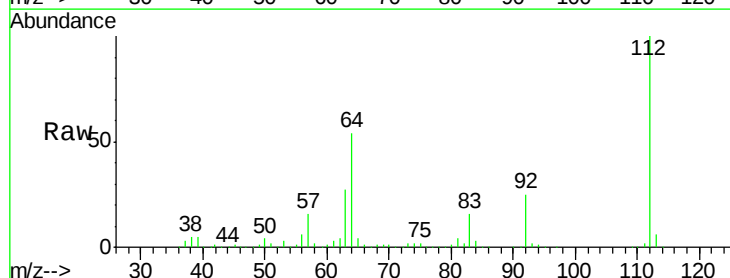
mohammad  
4/19/2017 1:33:32 PM

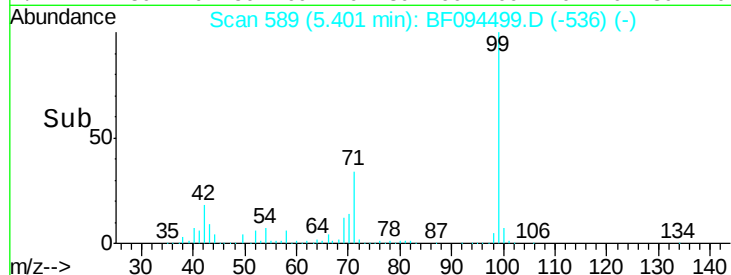
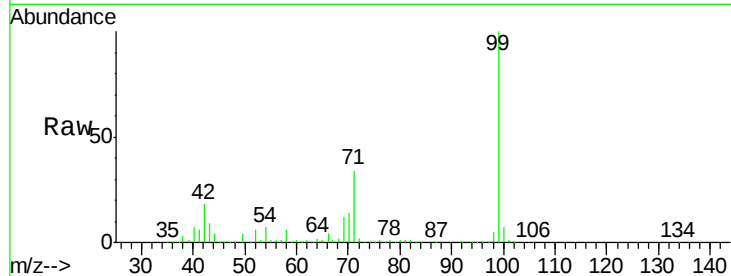
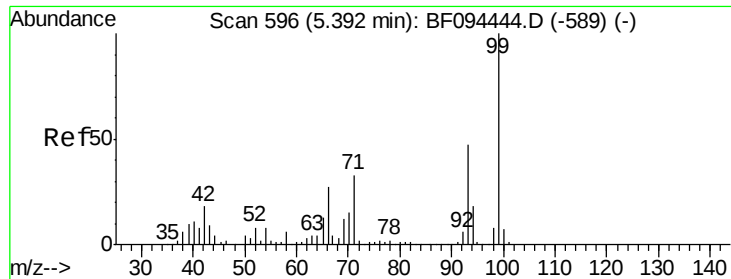


#5

2-Fluorophenol  
Concen: 136.67 ng  
RT: 4.33 min Scan# 407  
Delta R.T. 0.03 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.2  | 46.0  | 69.0  |
| 63      | 26.9  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 155.86 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1352471 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 17.7  | 13.5  | 20.3    |
| 71       | 33.9  | 24.5  | 36.7    |

Instrument :

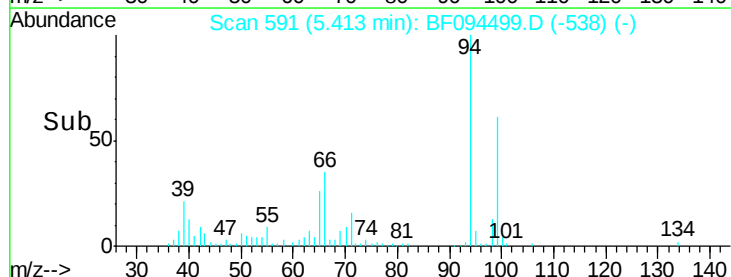
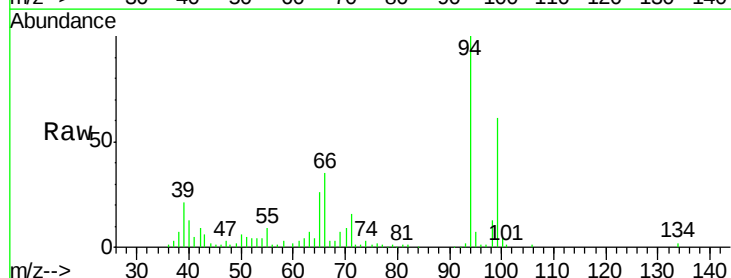
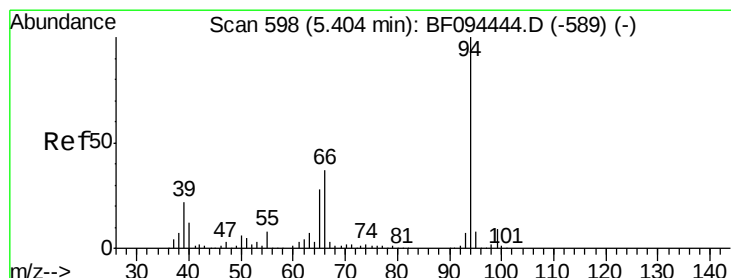
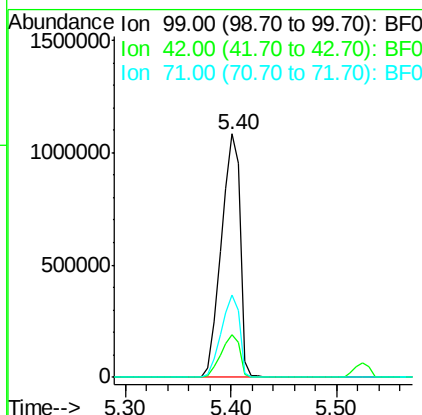
BNA\_F

ClientSampleId :

E2-Z9-BASE

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM



#10

Phenol

Concen: 6.37 ng

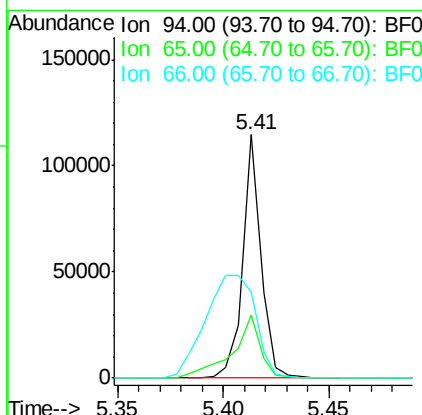
RT: 5.41 min Scan# 591

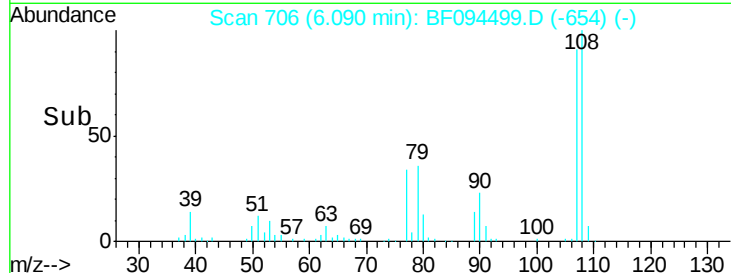
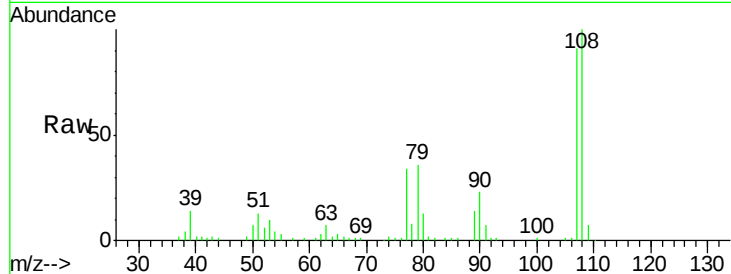
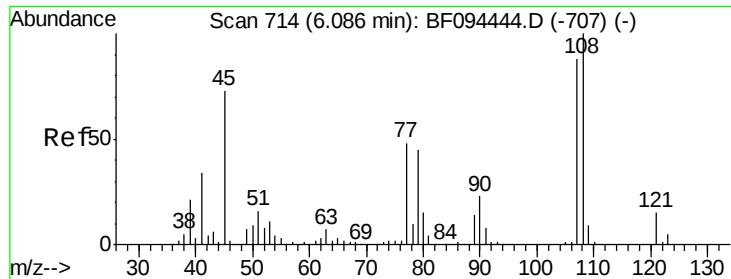
Delta R.T. 0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 67920 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 26.1  | 9.9   | 49.9  |
| 66       | 35.2  | 23.1  | 63.1  |





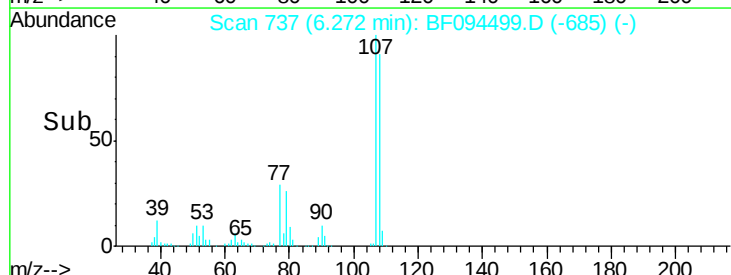
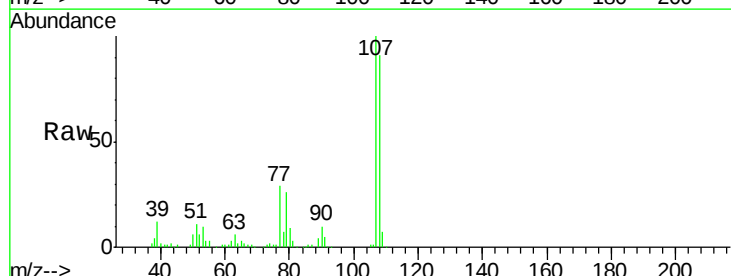
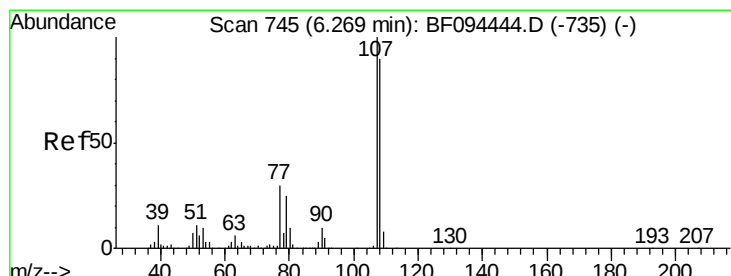
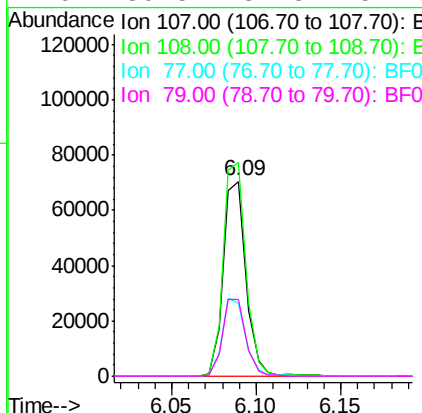
#17  
2-Methylphenol  
Concen: 10.09 ng  
RT: 6.09 min Scan# 706  
Delta R.T. 0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tot Ion | 107   | Resp  | 66530 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 107     | 100   |       |       |
| 108     | 109.5 | 93.4  | 140.0 |
| 77      | 37.6  | 35.8  | 53.6  |
| 79      | 39.5  | 34.8  | 52.2  |

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

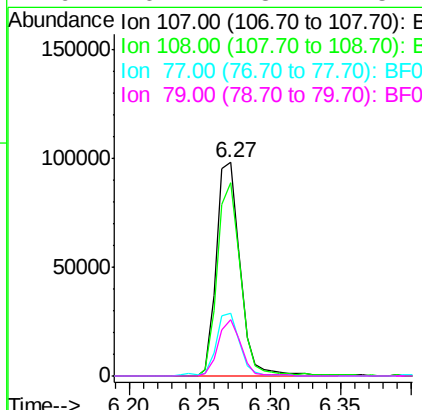
Manual Integrations  
APPROVED

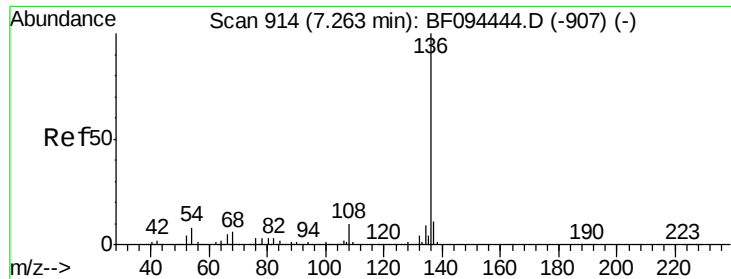
mohammad  
4/19/2017 1:33:32 PM



#20  
3+4-Methylphenols  
Concen: 12.89 ng  
RT: 6.27 min Scan# 737  
Delta R.T. 0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | 107   | Resp  | 115530 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 107     | 100   |       |        |
| 108     | 90.6  | 71.0  | 111.0  |
| 77      | 29.1  | 90.5  | 130.5# |
| 79      | 26.4  | 8.4   | 48.4   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA\_F

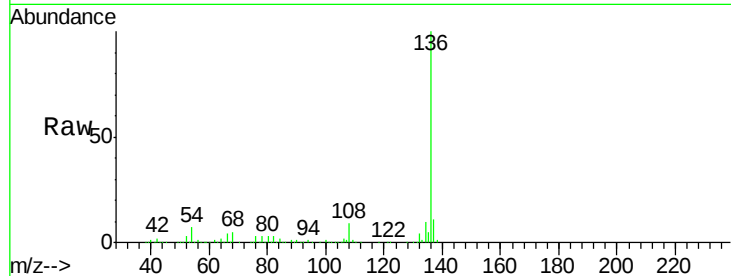
ClientSampleId :

E2-Z9-BASE

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 515090 |       |       |
| 137     | 10.7 |       | 8.5    | 12.7  |       |
| 54      | 6.6  |       | 4.9    | 7.3   |       |
| 68      | 5.5  |       | 4.1    | 6.1   |       |

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM

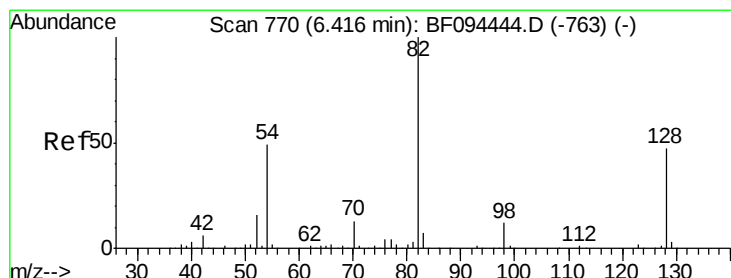
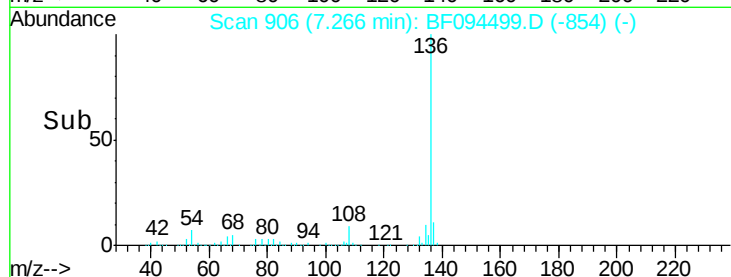
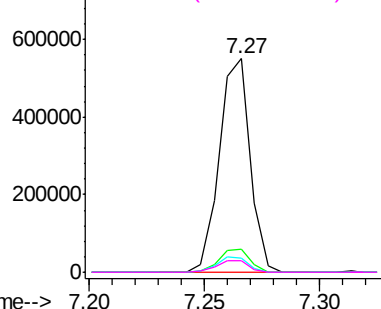


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 97.19 ng

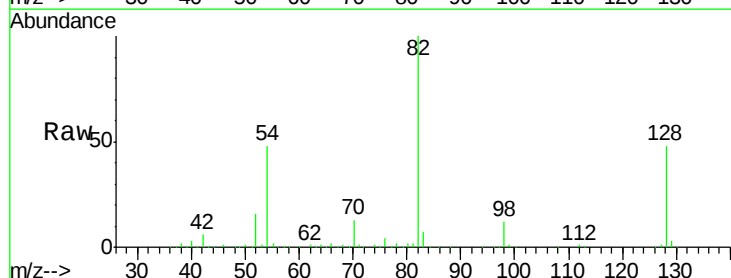
RT: 6.42 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

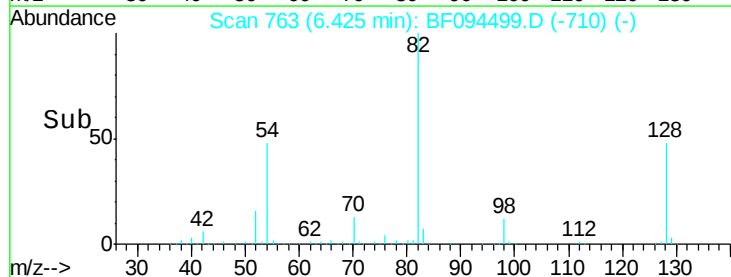
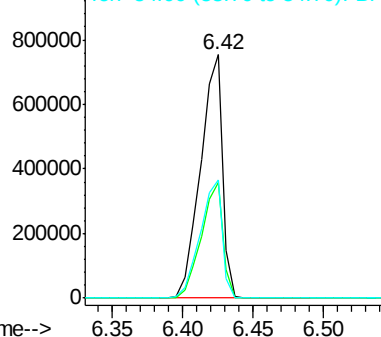
| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 810725 |       |       |
| 128     | 47.6 |       | 34.0   | 51.0  |       |
| 54      | 48.4 |       | 42.2   | 63.2  |       |

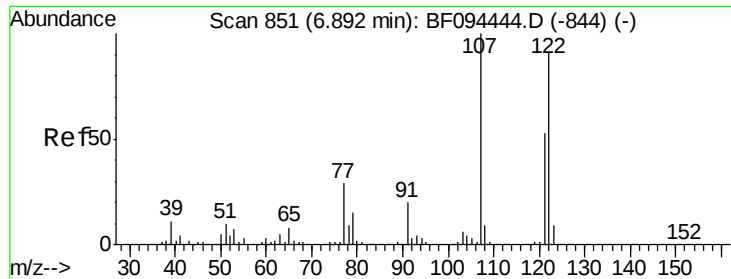


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 2.85 ng

RT: 6.89 min Scan# 842

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA\_F

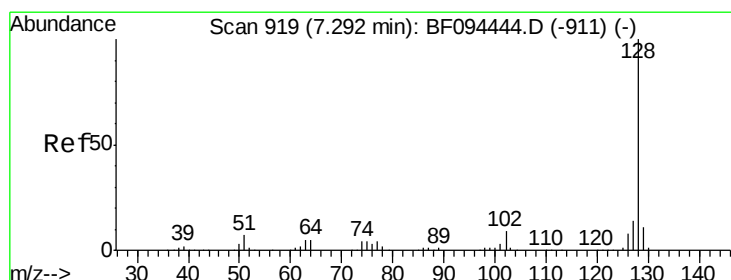
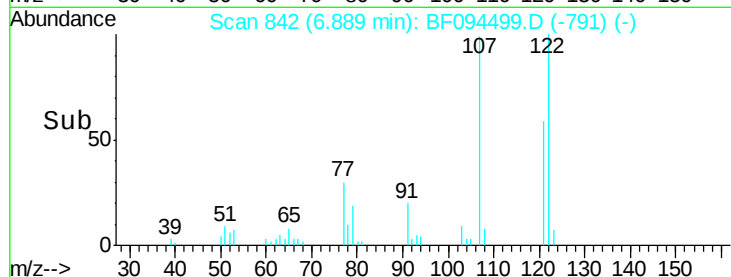
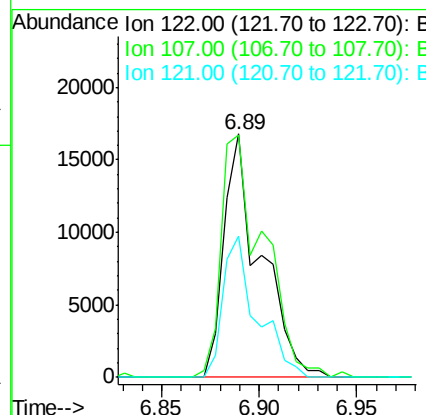
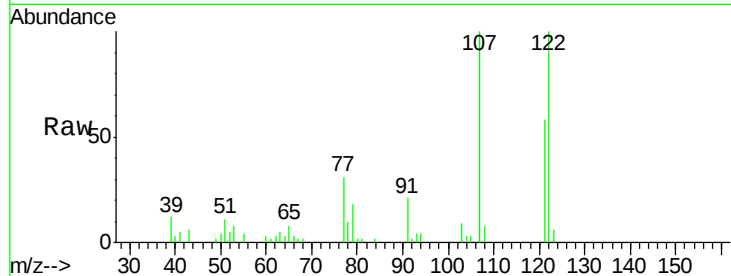
ClientSampleId :

E2-Z9-BASE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 122   | Resp: | 21840 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 99.7  | 89.2  | 133.8 |
| 121       | 58.1  | 45.2  | 67.8  |

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM



#31

Naphthalene

Concen: 7.38 ng

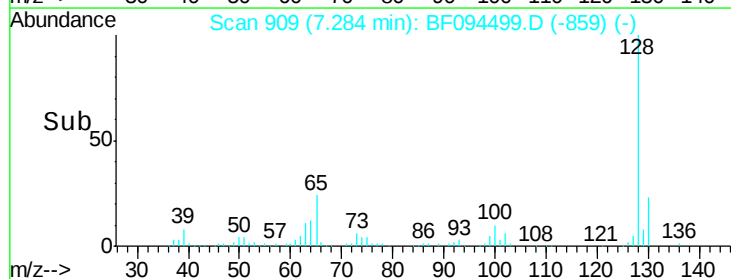
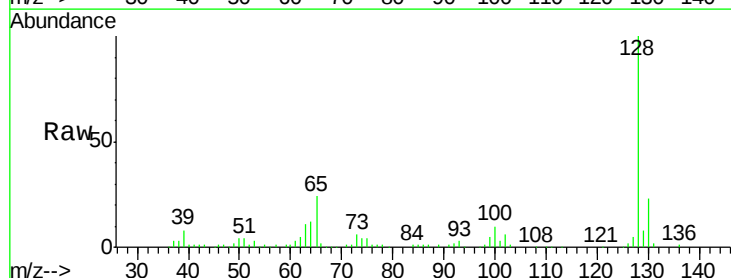
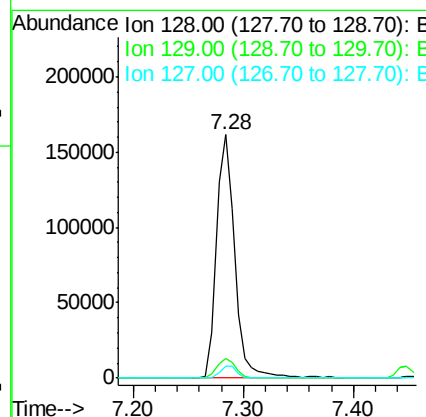
RT: 7.28 min Scan# 909

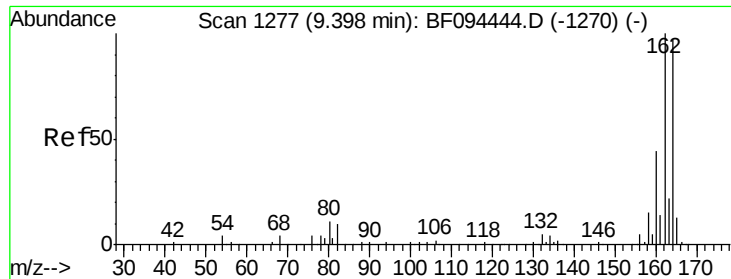
Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 182700 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 8.2   | 9.0   | 13.6#  |
| 127       | 4.7   | 10.8  | 16.2#  |





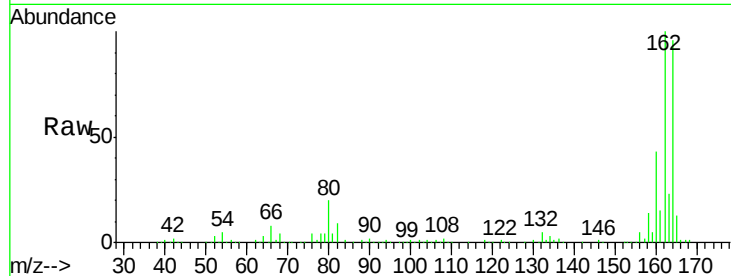
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.40 min Scan# 1268  
Delta R.T. -0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

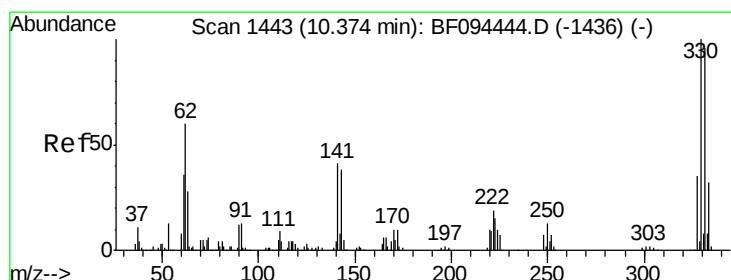
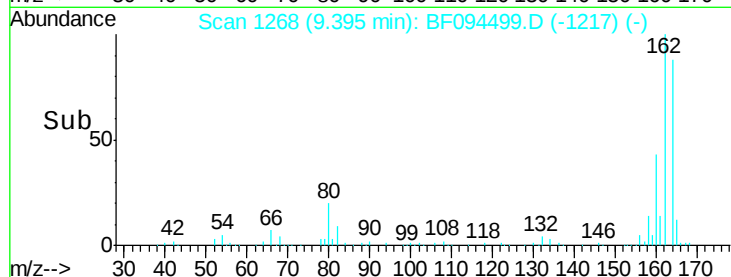
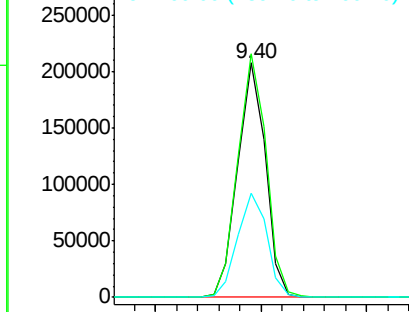
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 82.6  | 123.8 |
| 160     | 44.5  | 36.2  | 54.2  |

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM

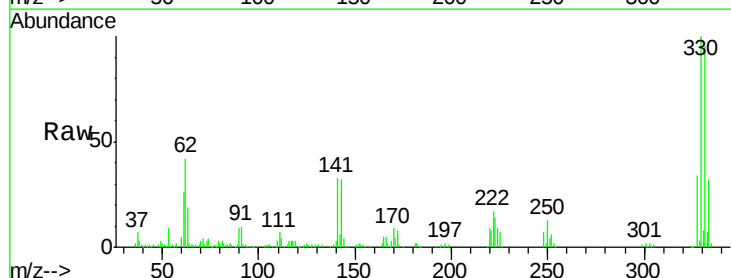


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

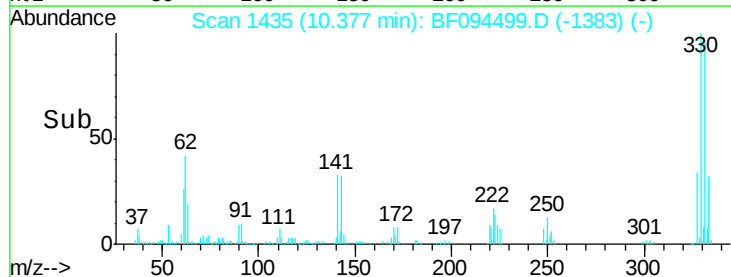
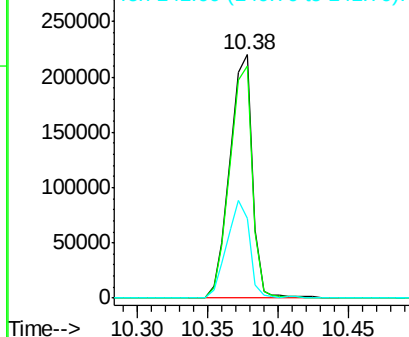


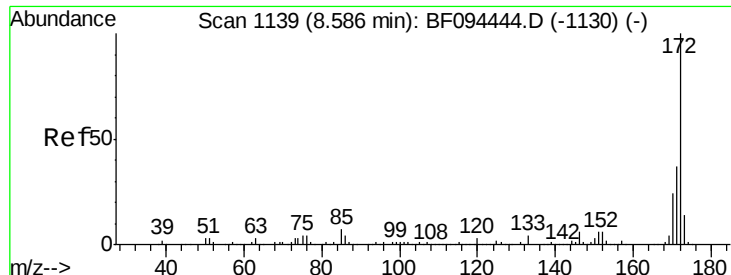
#41  
2,4,6-Tribromophenol  
Concen: 166.12 ng  
RT: 10.38 min Scan# 1435  
Delta R.T. 0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.6  | 115.0 |
| 141     | 40.9  | 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: 95.83 ng

RT: 8.59 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA\_F

ClientSampleId :

E2-Z9-BASE

Tot Ion:172 Resp: 1232529

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

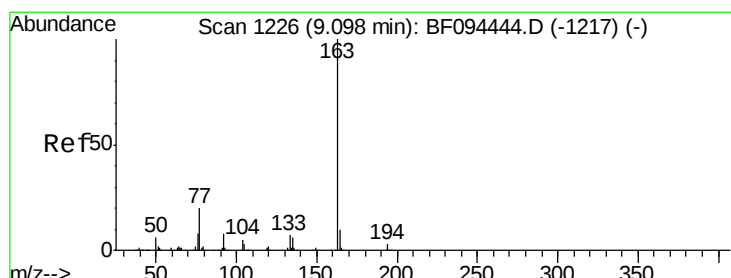
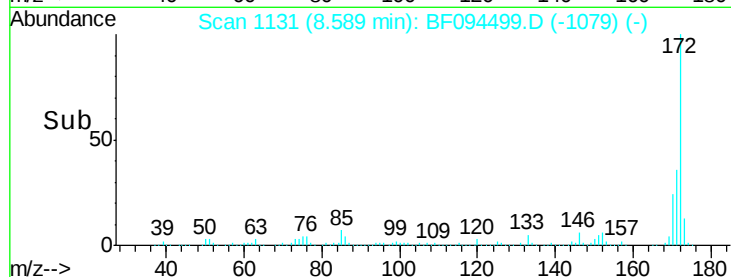
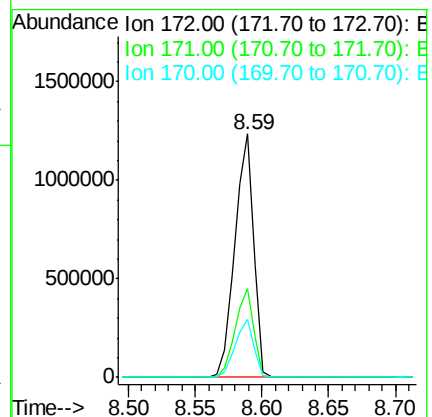
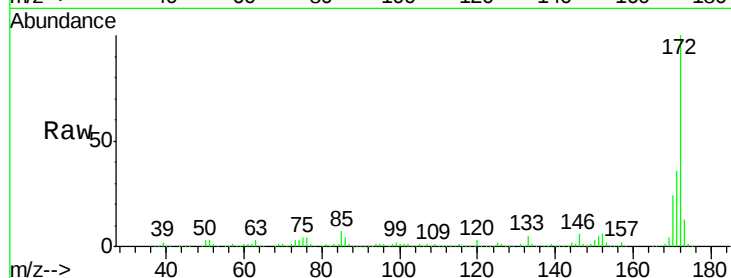
170 24.0 19.8 29.8

Manual Integrations

APPROVED

mohammad

4/19/2017 1:33:32 PM



#49

Dimethylphthalate

Concen: 35.46 ng

RT: 9.09 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

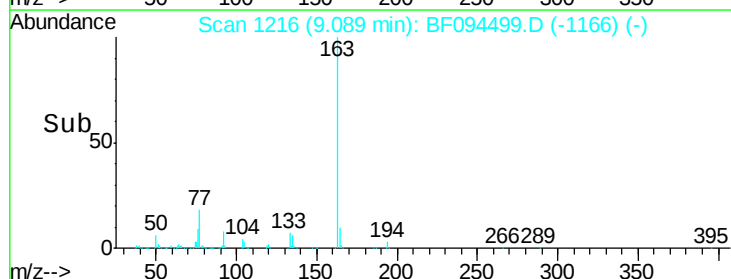
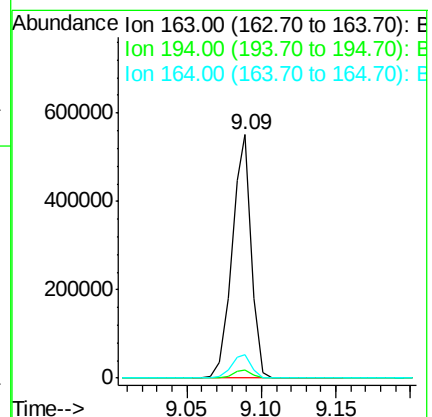
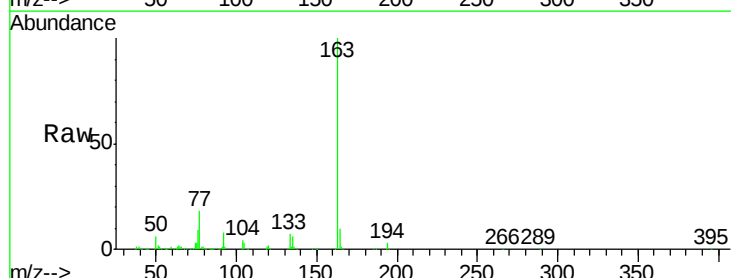
Tgt Ion:163 Resp: 500141

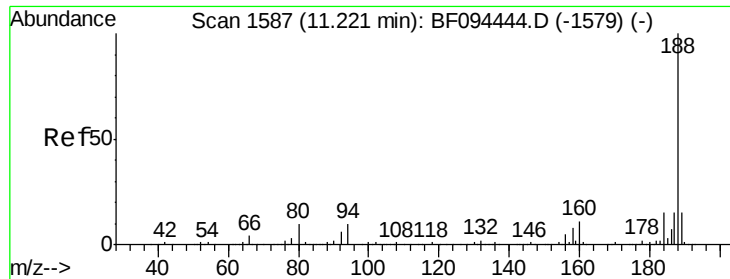
Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

164 9.8 8.4 12.6





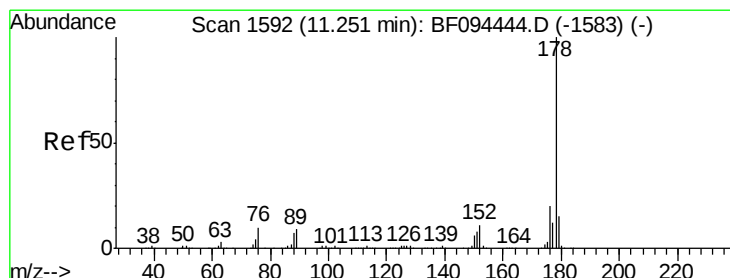
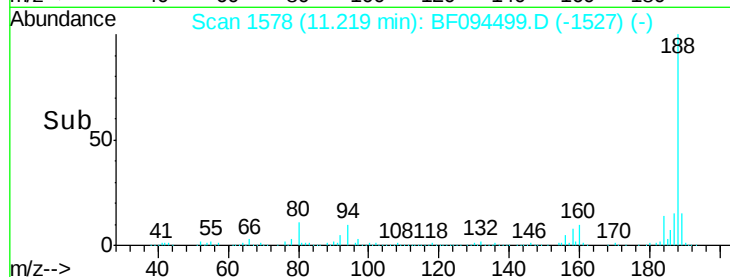
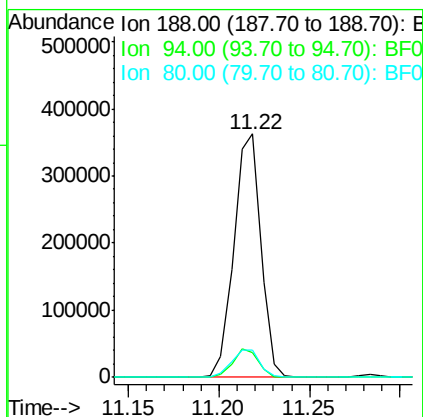
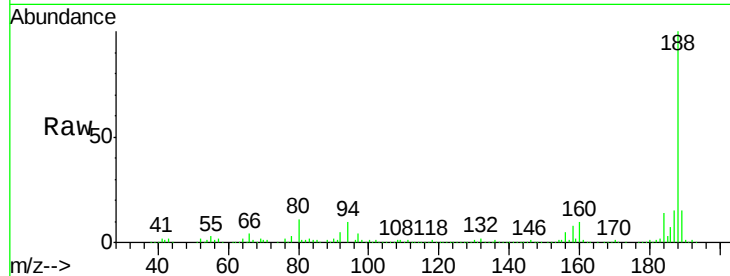
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 10.0  | 9.4        | 14.2  |
| 80      | 11.2  | 10.2       | 15.2  |

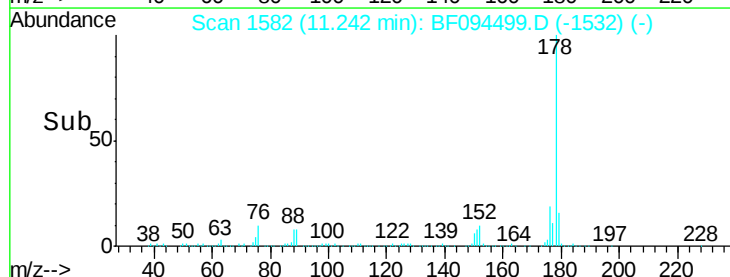
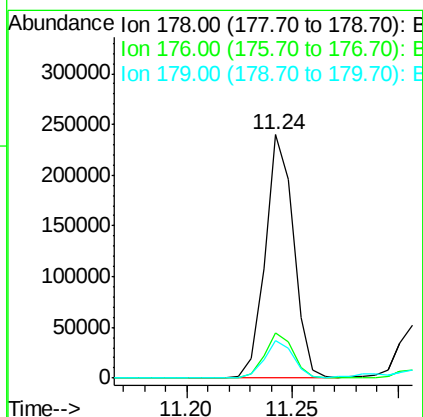
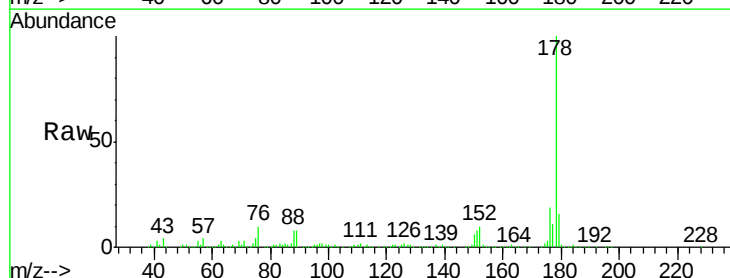
Manual Integrations  
APPROVED

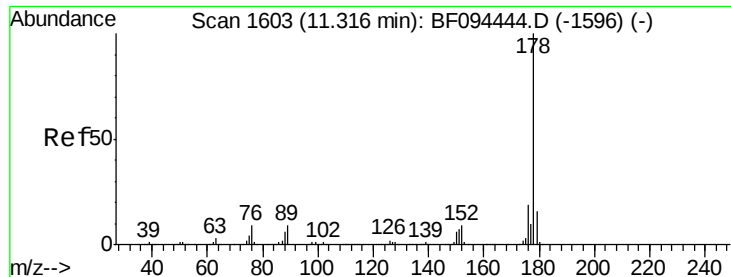
mohammad  
4/19/2017 1:33:32 PM



#70  
Phenanthrene  
Concen: 10.58 ng  
RT: 11.24 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 18.6  | 16.2       | 24.4  |
| 179     | 15.6  | 12.6       | 19.0  |





#71

Anthracene

Concen: 2.17 ng

RT: 11.31 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA\_F

ClientSampleId :

E2-Z9-BASE

Tot Ion:178 Resp: 47399

Ion Ratio Lower Upper

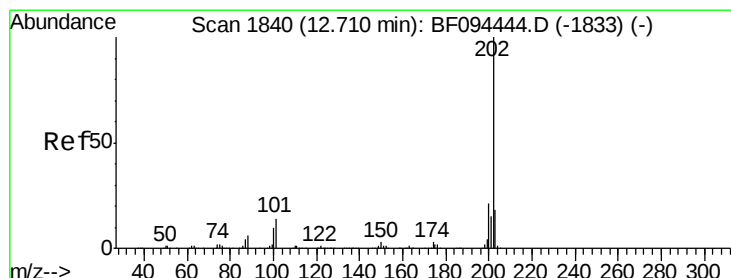
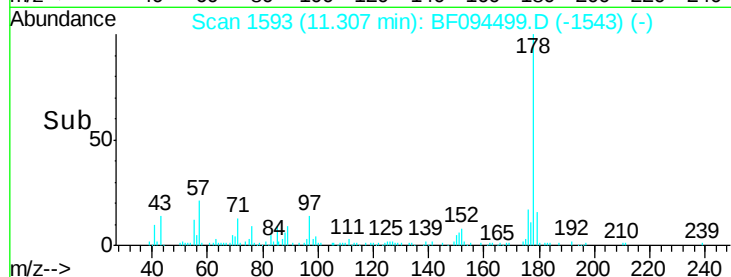
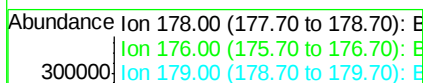
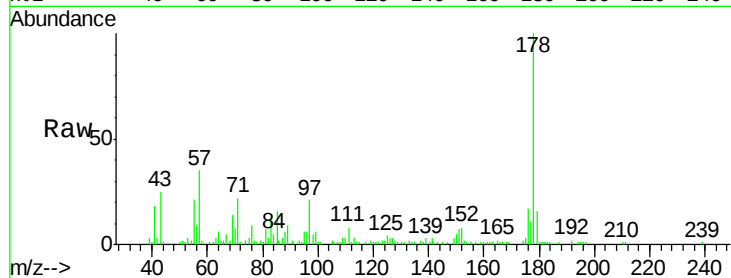
178 100

176 16.6 15.8 23.8

179 15.7 12.7 19.1

Manual Integrations  
APPROVED

mohammad  
4/19/2017 1:33:32 PM



#74

Fluoranthene

Concen: 17.13 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

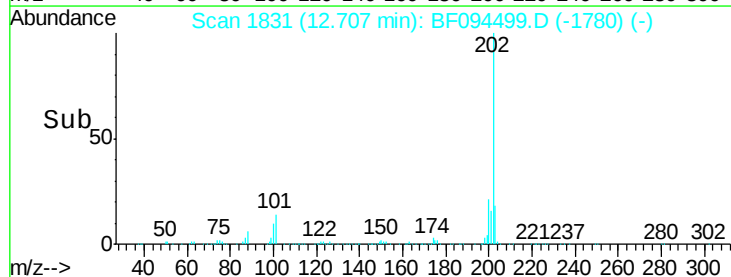
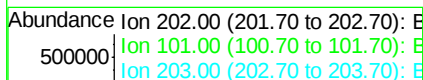
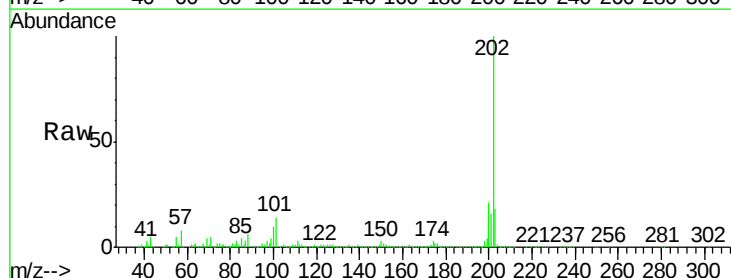
Tgt Ion:202 Resp: 375591

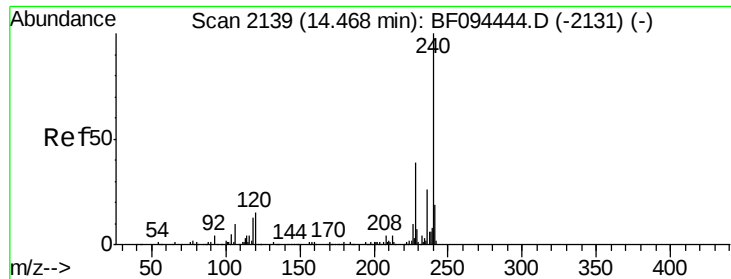
Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

Instrument :

BNA\_F

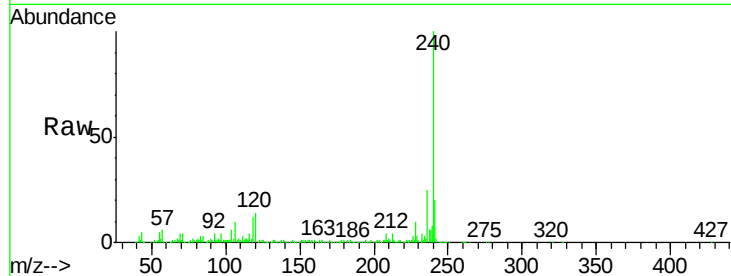
ClientSampleId :

E2-Z9-BASE

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

Manual Integrations  
APPROVED

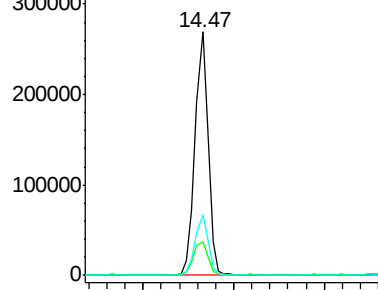
mohammad  
4/19/2017 1:33:32 PM



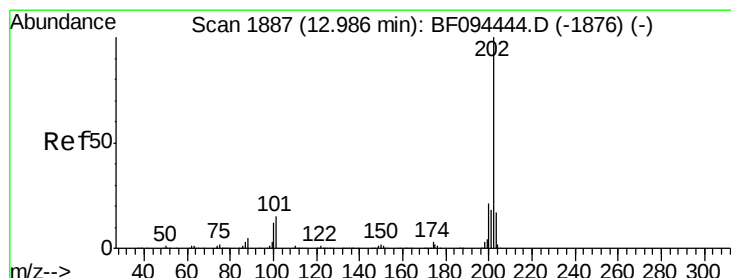
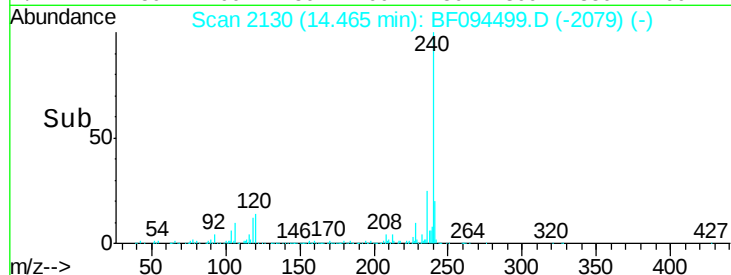
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 18.50 ng

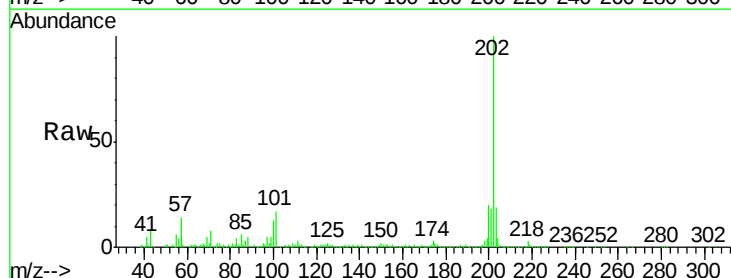
RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094499.D

Acq: 18 Apr 2017 21:10

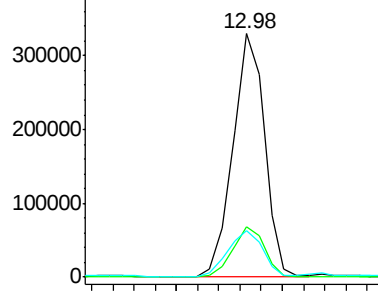
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.5  | 17.6  | 26.4  |
| 203     | 19.2  | 14.4  | 21.6  |



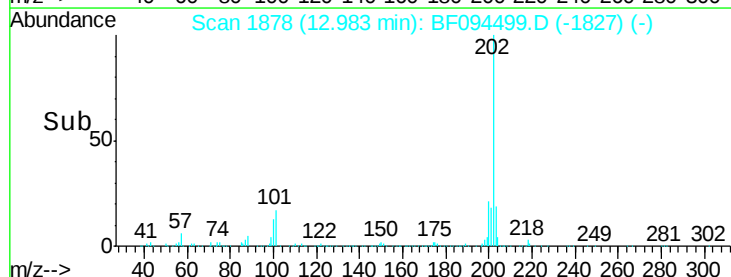
Abundance Ion 202.00 (201.70 to 202.70): E

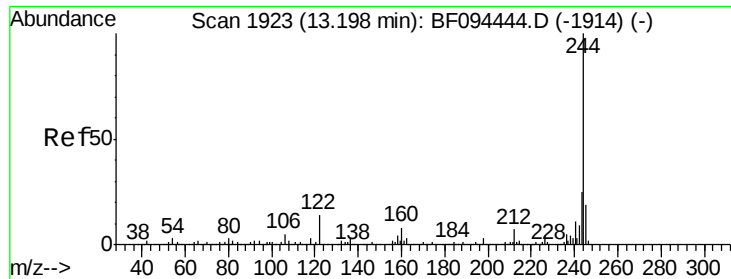
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





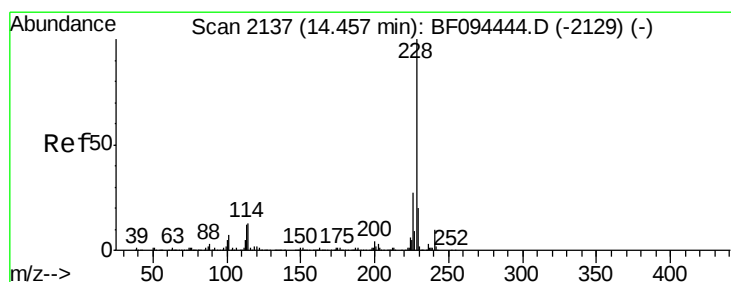
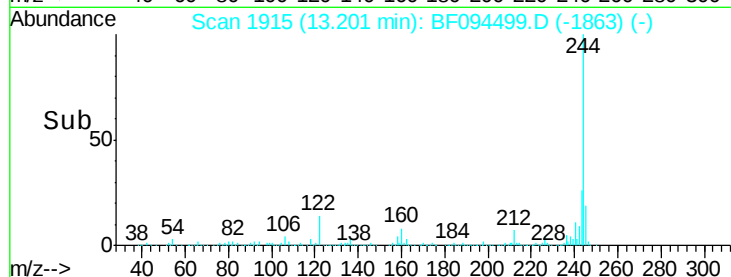
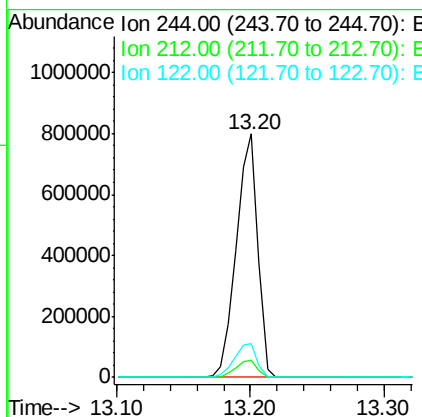
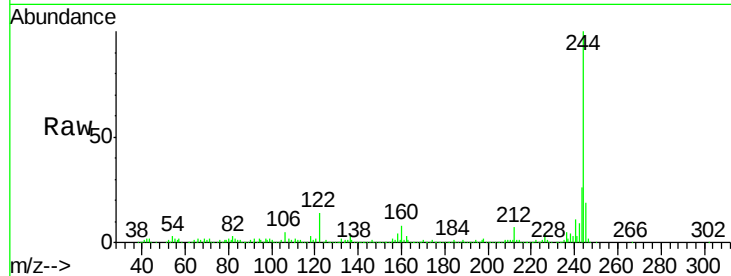
#78  
 Terphenyl-d14  
 Concen: 89.41 ng  
 RT: 13.20 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: BF094499.D  
 Acq: 18 Apr 2017 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 6.0   | 9.0   |
| 122     | 13.6  | 10.3  | 15.5  |

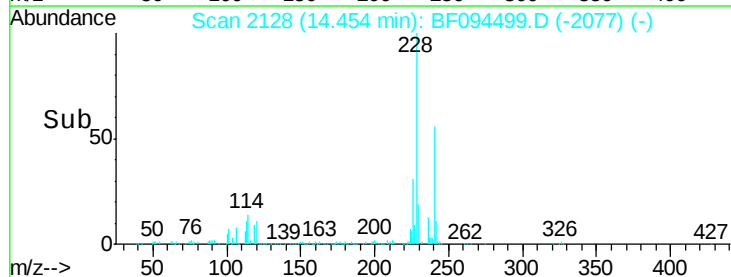
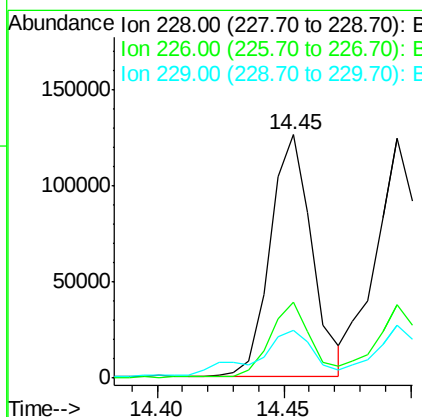
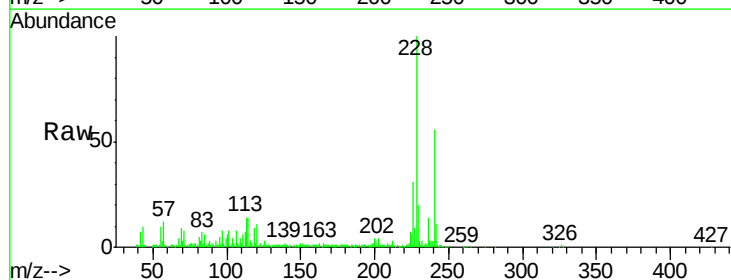
Manual Integrations  
 APPROVED

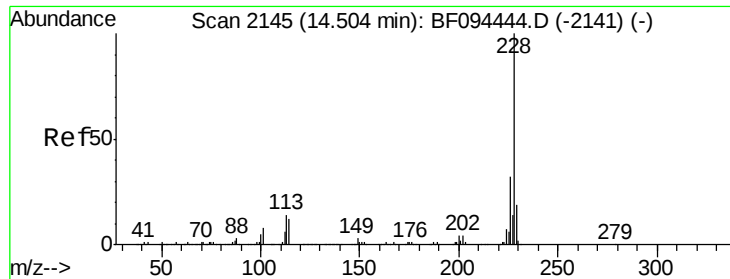
mohammad  
 4/19/2017 1:33:32 PM



#80  
 Benzo(a)anthracene  
 Concen: 9.37 ng  
 RT: 14.45 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: BF094499.D  
 Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 22.6  | 33.8  |
| 229     | 19.5  | 16.3  | 24.5  |





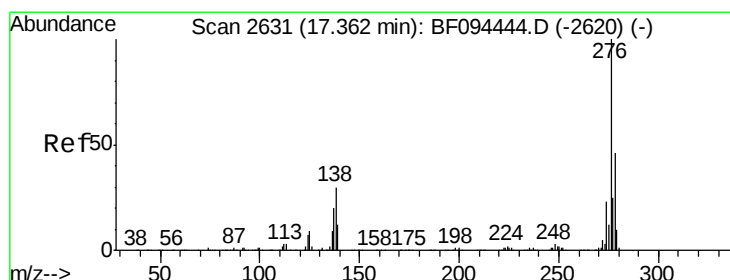
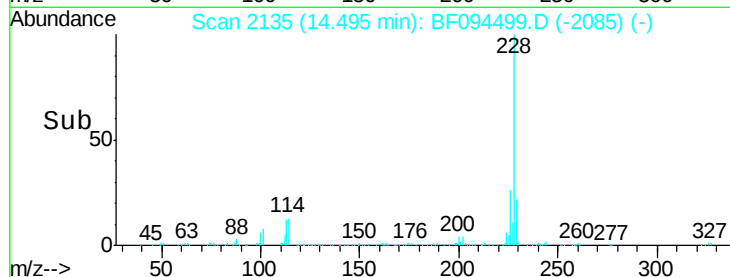
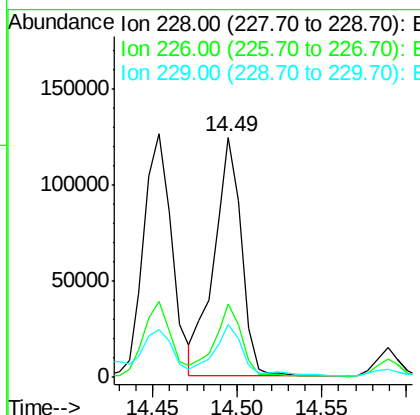
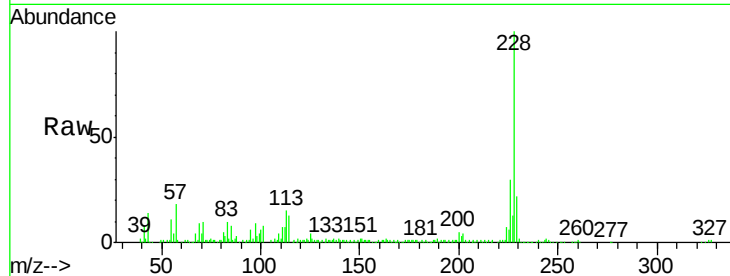
#82  
Chrysene  
Concen: 9.97 ng  
RT: 14.49 min Scan# 2135  
Delta R.T. -0.01 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.9  | 37.3  |
| 229     | 22.2  | 15.8  | 23.6  |

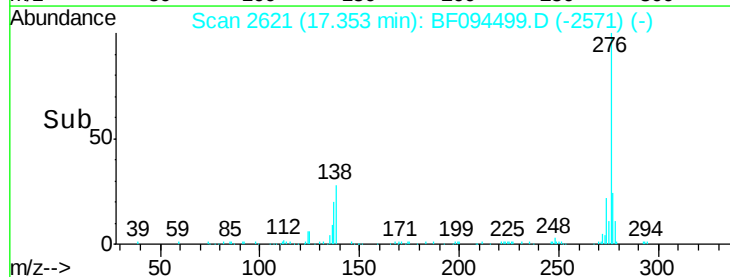
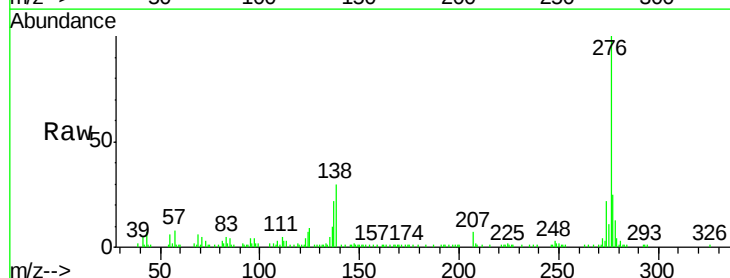
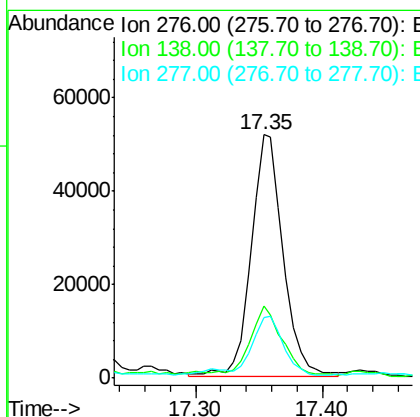
Manual Integrations  
APPROVED

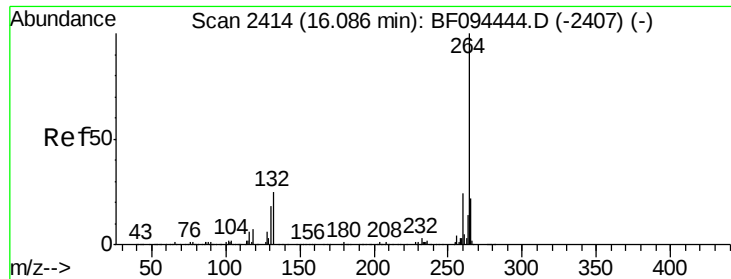
mohammad  
4/19/2017 1:33:32 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 6.72 ng  
RT: 17.35 min Scan# 2621  
Delta R.T. -0.01 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.6  | 27.8  | 41.6# |
| 277     | 26.1  | 20.2  | 30.4  |





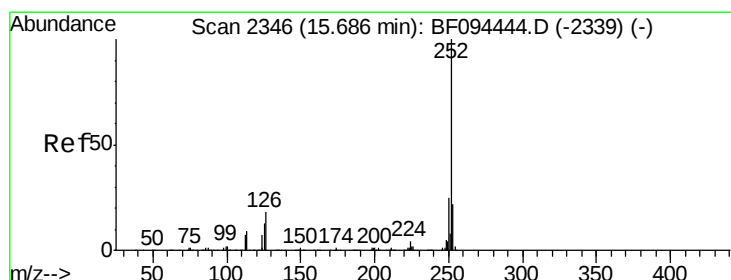
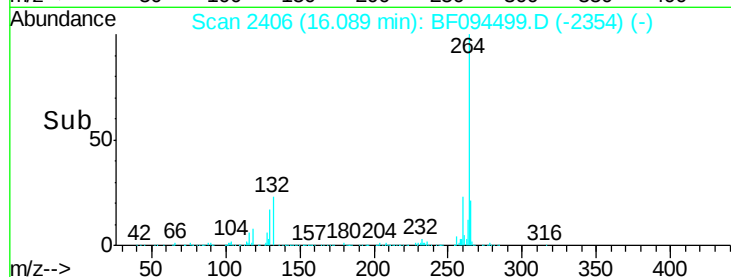
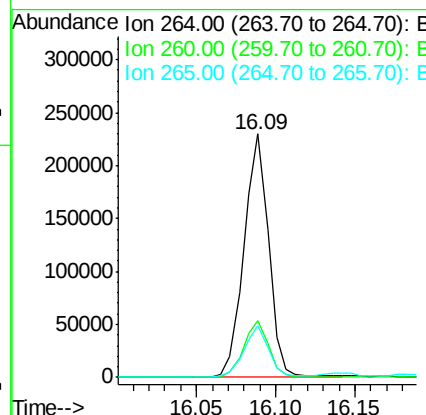
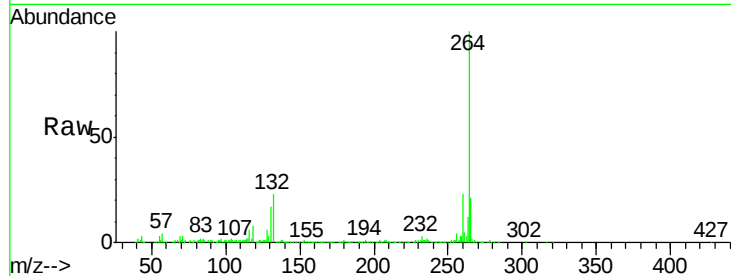
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.09 min Scan# 2406  
Delta R.T. 0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.5  | 29.3  |
| 265     | 21.1  | 17.2  | 25.8  |

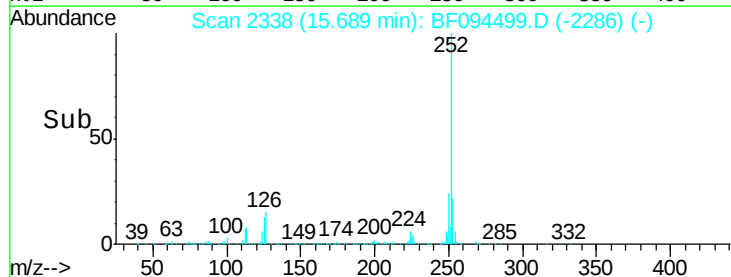
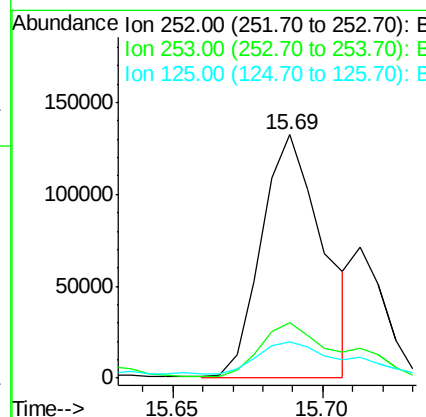
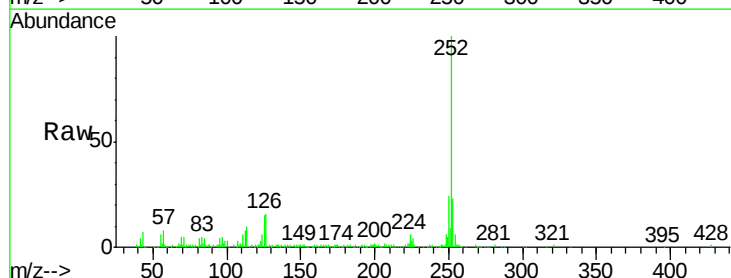
Manual Integrations  
APPROVED

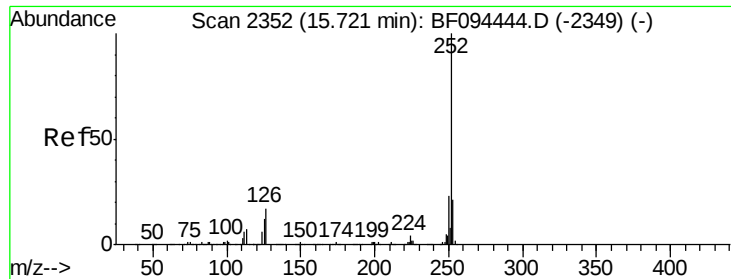
mohammad  
4/19/2017 1:33:32 PM



#87  
Benzo(b)fluoranthene  
Concen: 12.51 ng m  
RT: 15.69 min Scan# 2338  
Delta R.T. 0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 15.0  | 9.8   | 14.8# |





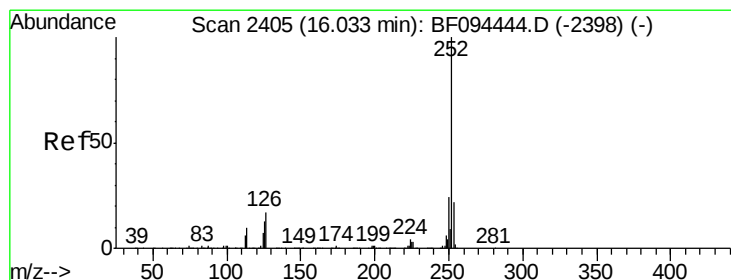
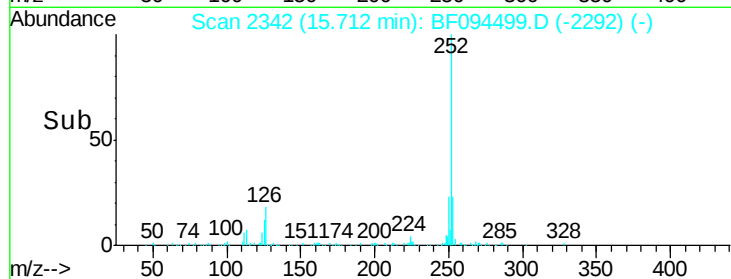
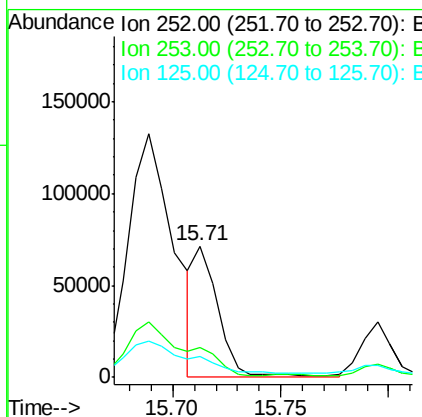
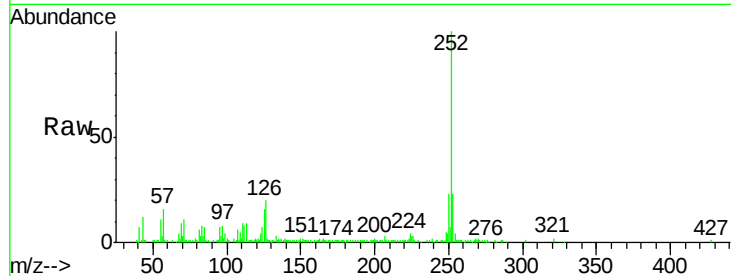
#88  
Benzo(k)fluoranthene  
Concen: 3.95 ng m  
RT: 15.71 min Scan# 2342  
Delta R.T. -0.01 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.4  | 27.6  |
| 125     | 15.6  | 13.1  | 19.7  |

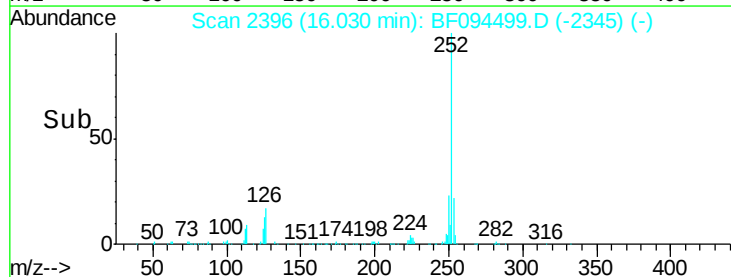
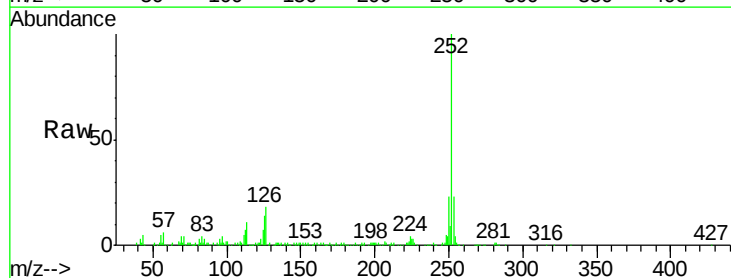
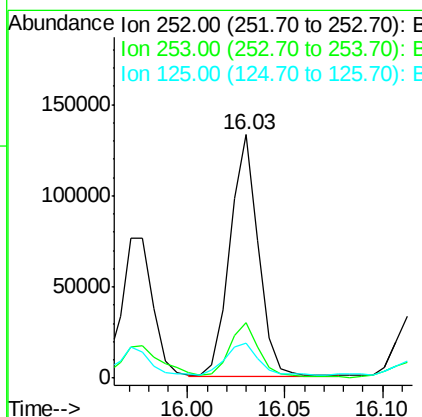
Manual Integrations  
APPROVED

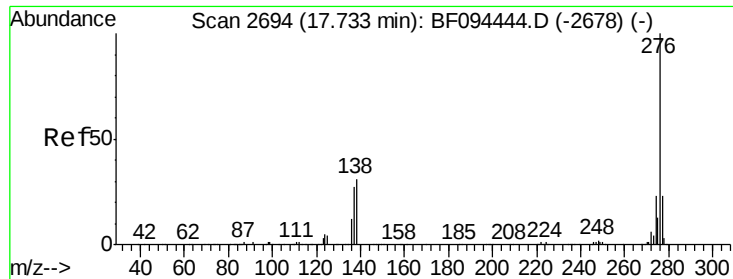
mohammad  
4/19/2017 1:33:32 PM



#89  
Benzo(a)pyrene  
Concen: 9.48 ng  
RT: 16.03 min Scan# 2396  
Delta R.T. -0.00 min  
Lab File: BF094499.D  
Acq: 18 Apr 2017 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.5  | 26.3  |
| 125     | 14.4  | 11.0  | 16.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 7.42 ng  
 RT: 17.72 min Scan# 2684  
 Delta R.T. -0.01 min  
 Lab File: BF094499.D  
 Acq: 18 Apr 2017 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-Z9-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.7  | 18.6  | 28.0  |
| 138     | 32.1  | 25.4  | 38.0  |

Manual Integrations  
 APPROVED

mohammad  
 4/19/2017 1:33:32 PM

