

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\  
 Data File : BF094037.D  
 Acq On : 29 Mar 2017 23:51  
 Operator : SJ/MA  
 Sample : I2431-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-U11-SSW

Manual Integrations  
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 3/30/2017 2:33:01 PM

Quant Time: Mar 30 16:06:25 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.92  | 152  | 168607   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.42  | 136  | 667187   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10        | 9.56  | 164  | 286486   | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.39 | 188  | 485515   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12            | 14.64 | 240  | 321599   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 16.28 | 264  | 277469   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.45  | 112  | 843879   | 84.54 | ng    | -0.02    |
| 7) Phenol-d6                | 5.52  | 99   | 1132885  | 91.74 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 6.57  | 82   | 825063   | 70.57 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 213292   | 94.22 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 8.75  | 172  | 1375134  | 73.21 | ng    | -0.04    |
| 78) Terphenyl-d14           | 13.37 | 244  | 895338   | 62.40 | ng    | -0.04    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 7.45  | 128  | 465645   | 14.51 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.29  | 142  | 397224   | 18.57 | ng    | 98       |
| 45) 1,1'-Biphenyl           | 8.86  | 154  | 80983    | 3.50  | ng    | 96       |
| 48) Acenaphthylene          | 9.39  | 152  | 134508   | 4.47  | ng    | 98       |
| 49) Dimethylphthalate       | 9.24  | 163  | 101497   | 4.98  | ng    | 99       |
| 54) Dibenzofuran            | 9.82  | 168  | 147268   | 6.17  | ng    | 96       |
| 70) Phenanthrene            | 11.42 | 178  | 311404   | 11.53 | ng    | 98       |
| 71) Anthracene              | 11.48 | 178  | 100047   | 3.60  | ng    | 98       |
| 74) Fluoranthene            | 12.88 | 202  | 391912   | 14.17 | ng    | 99       |
| 77) Pyrene                  | 13.16 | 202  | 356622   | 15.28 | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.63 | 228  | 261453m  | 13.94 | ng    |          |
| 82) Chrysene                | 14.67 | 228  | 299451   | 17.21 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.63 | 276  | 205330   | 13.62 | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 15.87 | 252  | 521175m  | 30.64 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.89 | 252  | 153717m  | 9.24  | ng    |          |
| 89) Benzo(a)pyrene          | 16.22 | 252  | 253899   | 16.21 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 17.64 | 278  | 53642    | 4.04  | ng    | # 87     |
| 91) Benzo(g,h,i)perylene    | 18.03 | 276  | 179954   | 13.46 | ng    | 100      |

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

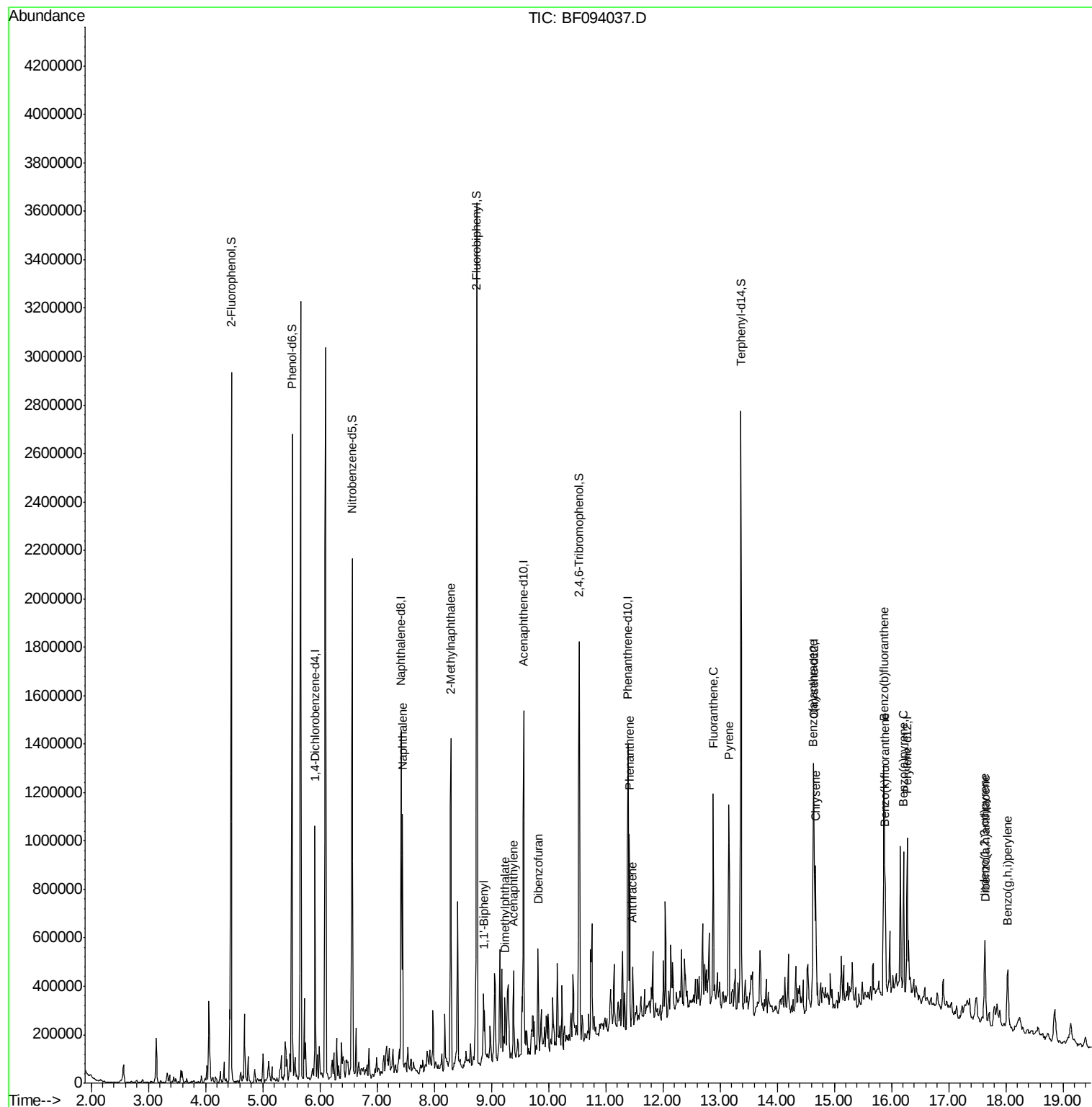
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\  
Data File : BF094037.D  
Acq On : 29 Mar 2017 23:51  
Operator : SJ/MA  
Sample : I2431-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 27 16:10:49 2017  
Response via : Initial Calibration





#1

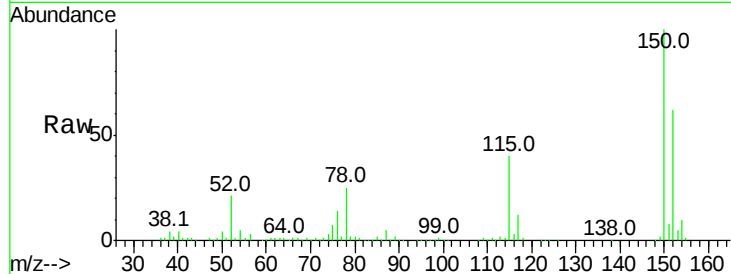
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.92 min Scan# 685  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

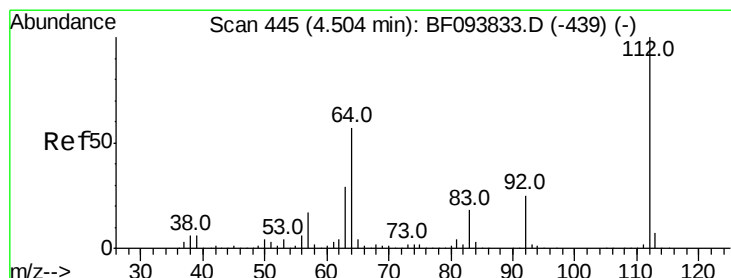
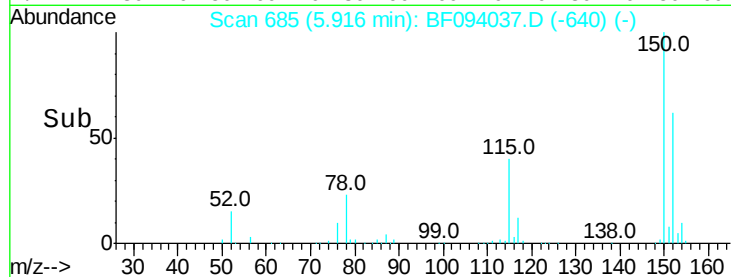
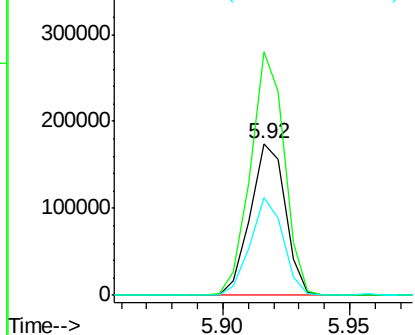
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.7 | 126.2 | 189.2 |
| 115     | 64.2  | 52.2  | 78.2  |

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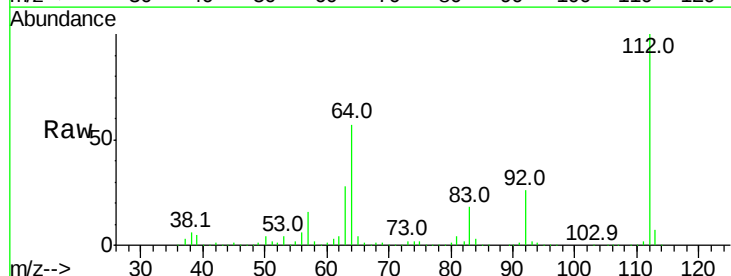
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



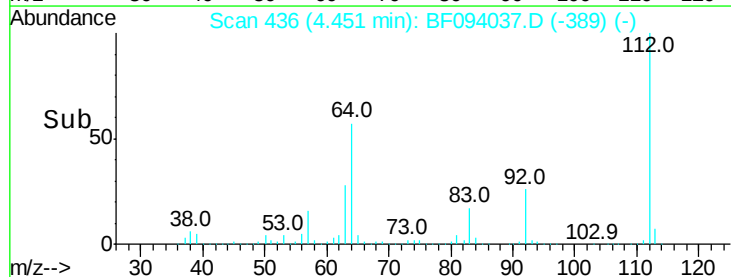
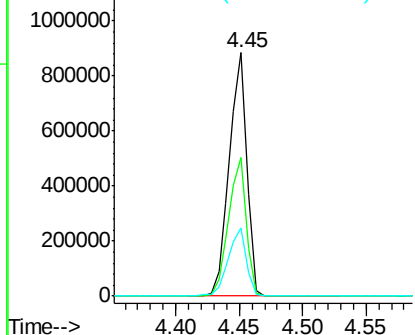
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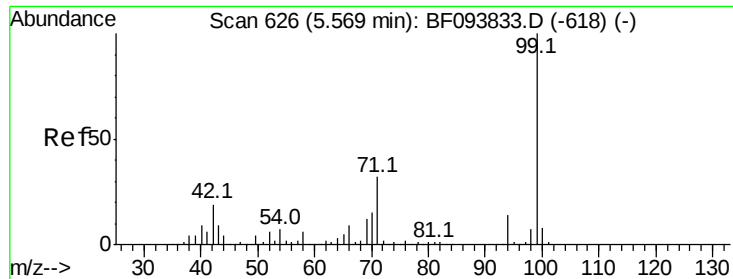
2-Fluorophenol  
Concen: 84.54 ng  
RT: 4.45 min Scan# 436  
Delta R.T. -0.02 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.8  | 46.0  | 69.0  |
| 63      | 27.9  | 23.4  | 35.0  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.74 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.04 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

Instrument :

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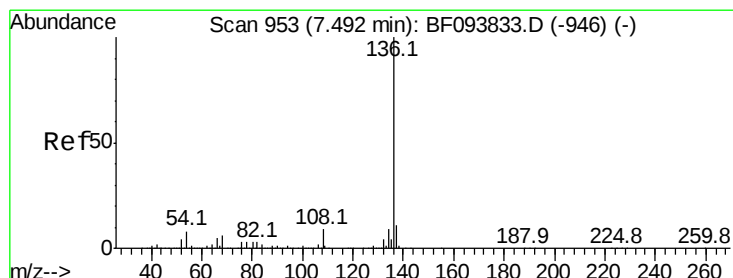
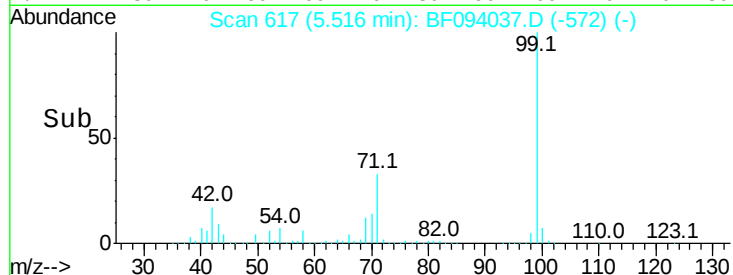
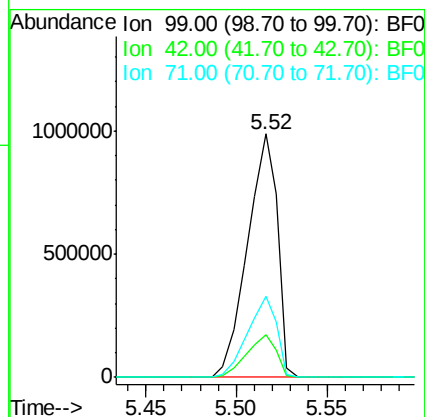
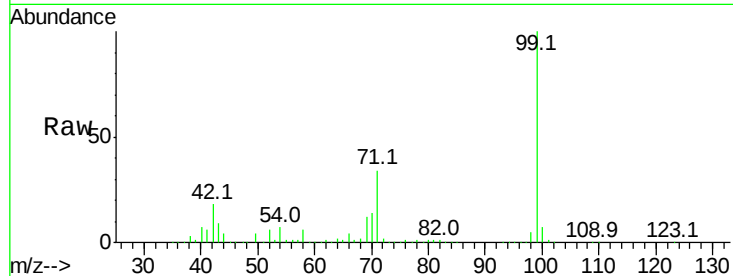
ClientSampleId :

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|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1132885 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 17.5  | 13.5  | 20.3    |
| 71       | 33.5  | 24.5  | 36.7    |

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#21

Naphthalene-d8

Concen: 20.00 ng

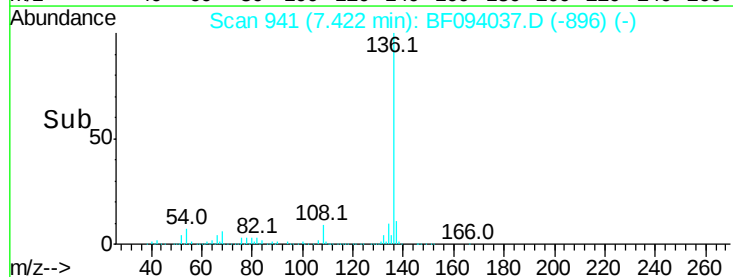
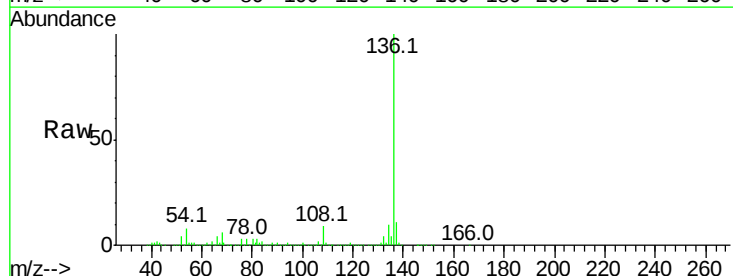
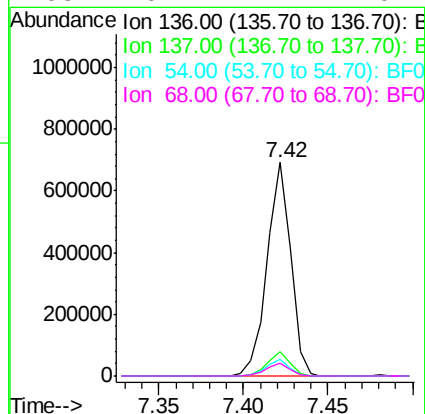
RT: 7.42 min Scan# 941

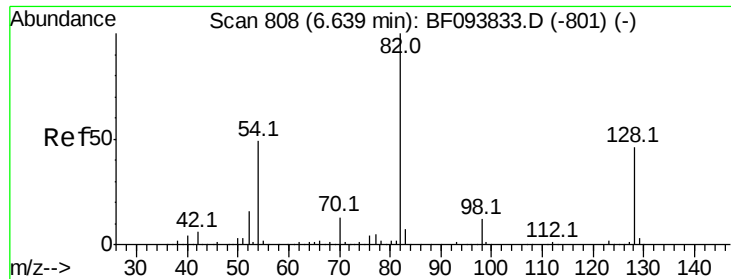
Delta R.T. -0.04 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 667187 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 7.6   | 4.9   | 7.3#   |
| 68       | 6.1   | 4.1   | 6.1    |





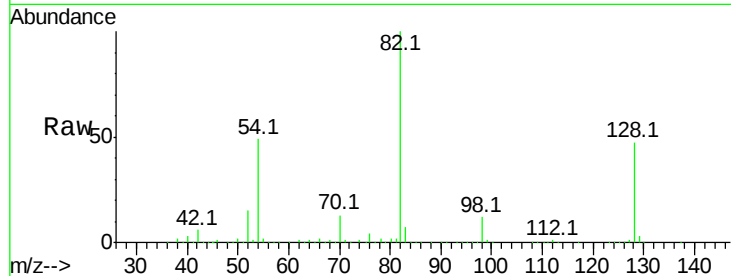
#23  
Nitrobenzene-d5  
Concen: 70.57 ng  
RT: 6.57 min Scan# 796  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

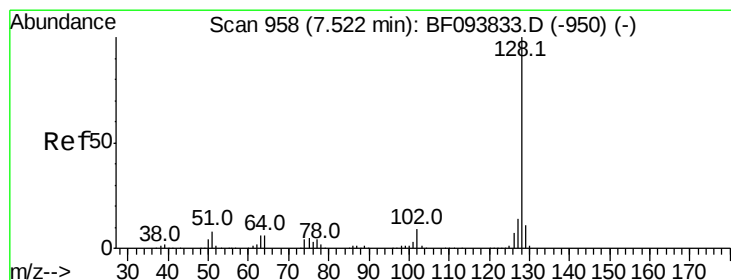
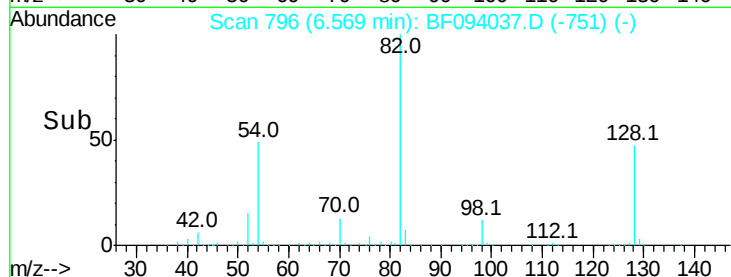
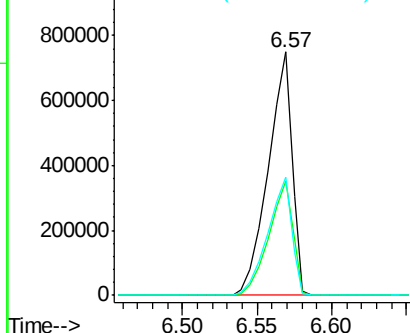
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.8  | 34.0 | 51.0  |       |
| 54      | 48.7  | 42.2 | 63.2  |       |

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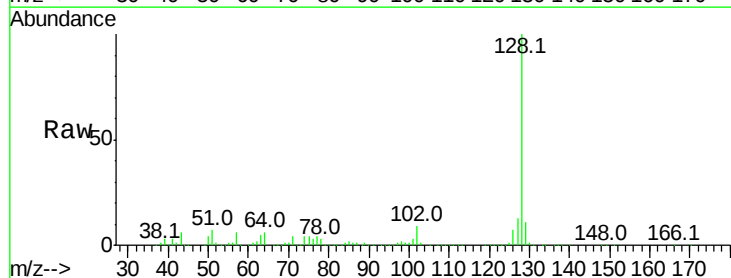


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

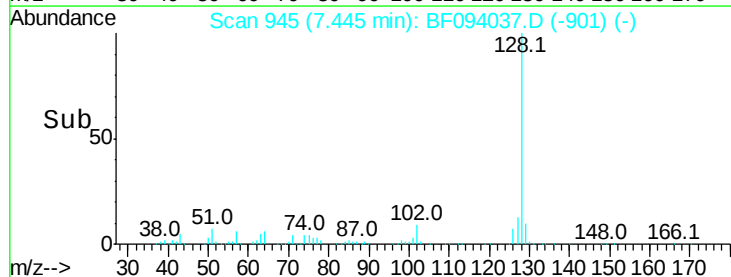
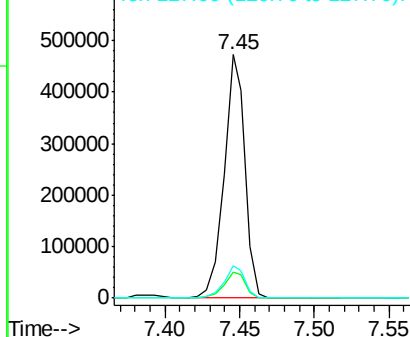


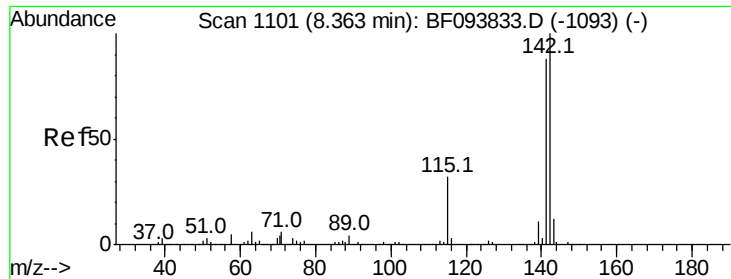
#31  
Naphthalene  
Concen: 14.51 ng  
RT: 7.45 min Scan# 945  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 10.5  | 9.0  | 13.6  |       |
| 127     | 13.1  | 10.8 | 16.2  |       |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





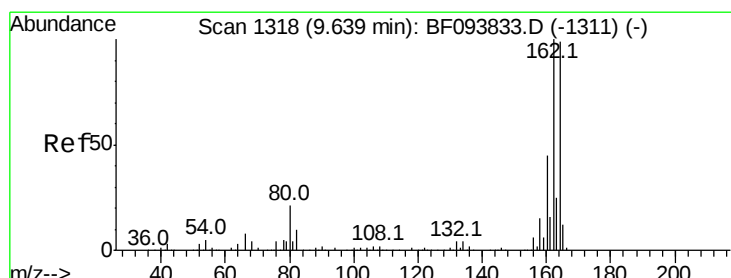
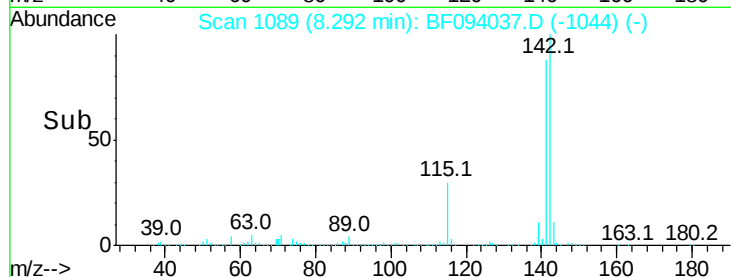
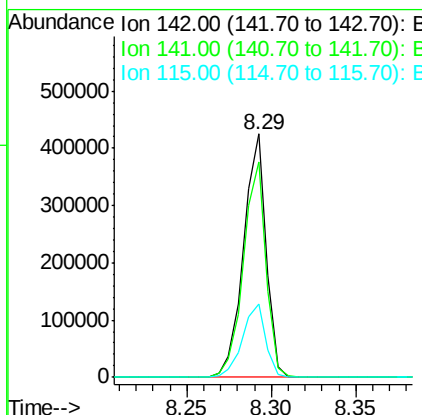
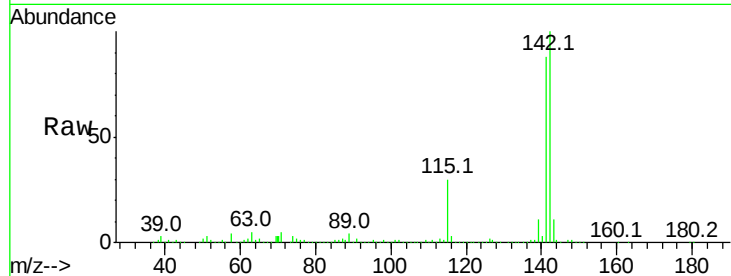
#37  
 2-Methylnaphthalene  
 Concen: 18.57 ng  
 RT: 8.29 min Scan# 1089  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

Instrument :  
 BNA\_F  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 71.3  | 106.9 |
| 115     | 30.4  | 27.1  | 40.7  |

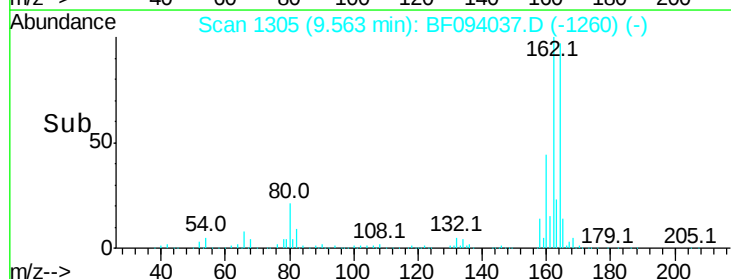
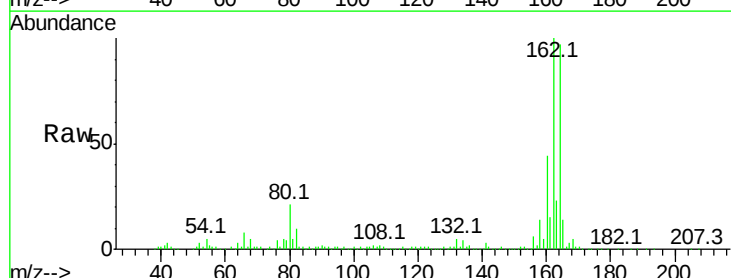
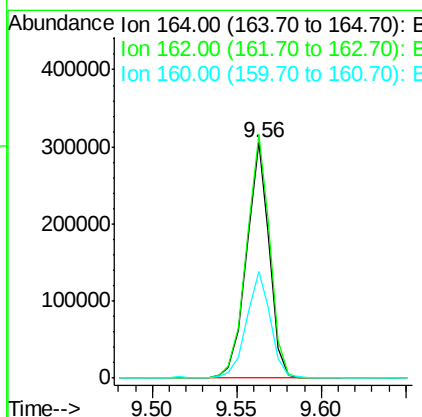
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.56 min Scan# 1305  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 82.6  | 123.8 |
| 160     | 45.6  | 36.2  | 54.2  |





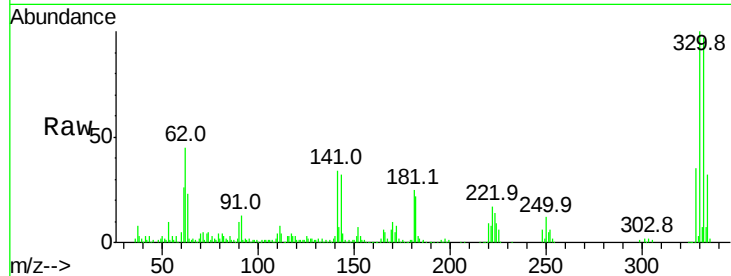
#41  
 2,4,6-Tribromophenol  
 Concen: 94.22 ng  
 RT: 10.54 min Scan# 1471  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

Instrument :  
 BNA\_F  
 ClientSampled :  
 E2-U11-SSW

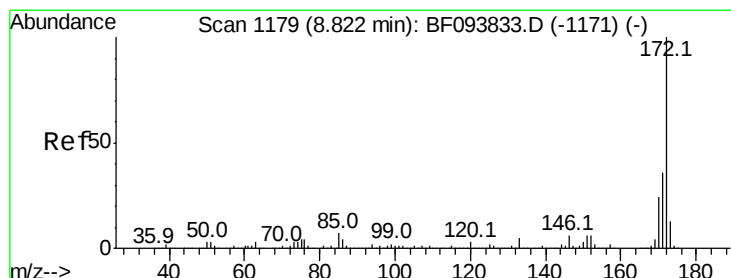
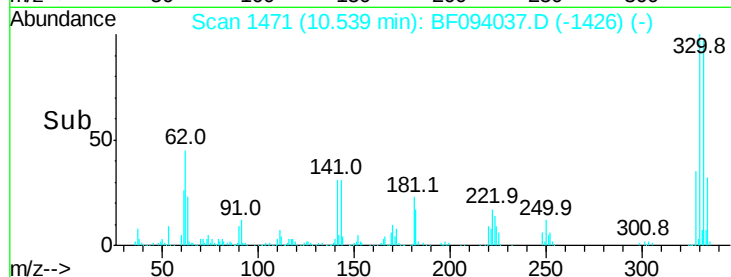
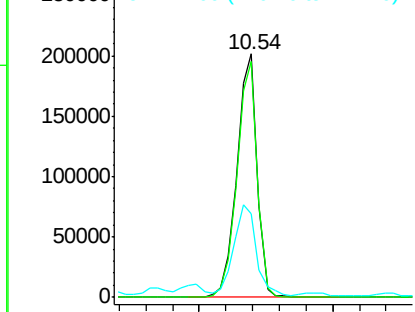
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 76.6  | 115.0 |
| 141     | 41.7  | 31.4  | 47.2  |

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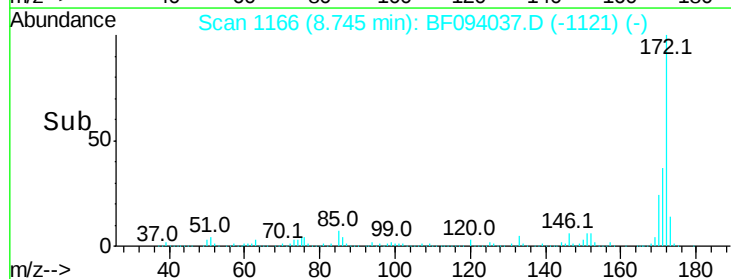
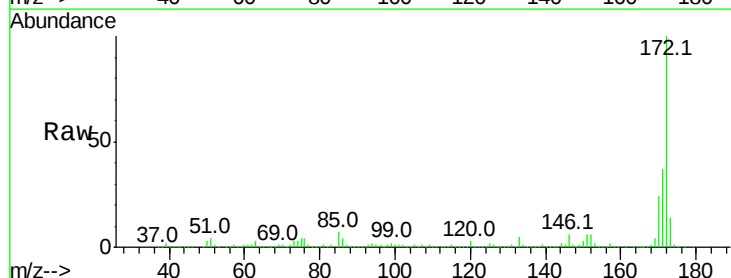
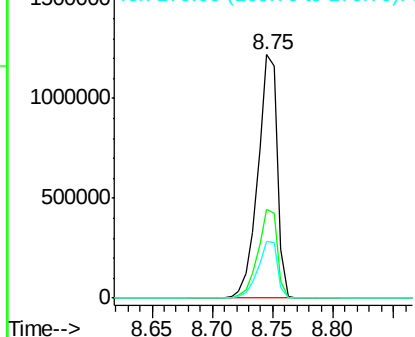
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

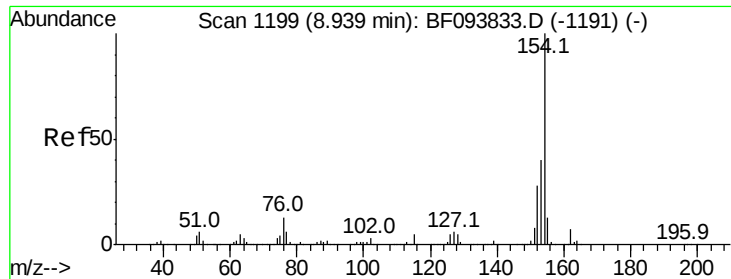


#44  
 2-Fluorobiphenyl  
 Concen: 73.21 ng  
 RT: 8.75 min Scan# 1166  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.6  | 44.4  |
| 170     | 23.6  | 19.8  | 29.8  |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.50 ng

RT: 8.86 min Scan# 1186

Delta R.T. -0.04 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

Instrument :

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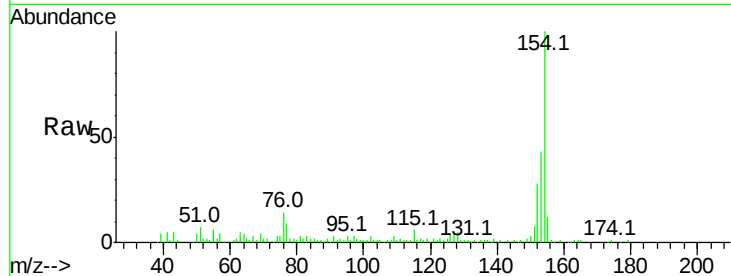
ClientSampleId :

E2-U11-SSW

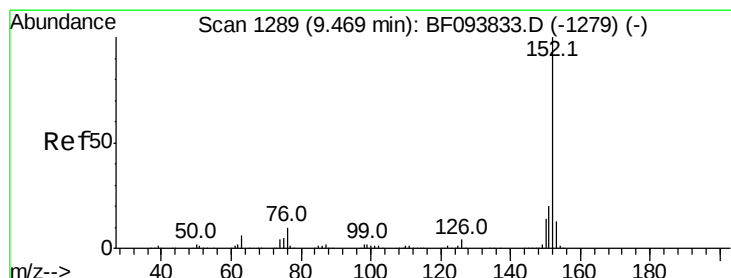
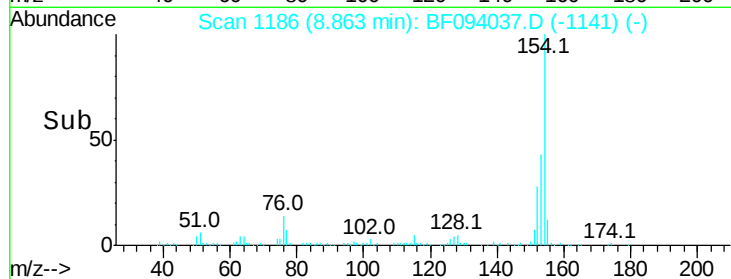
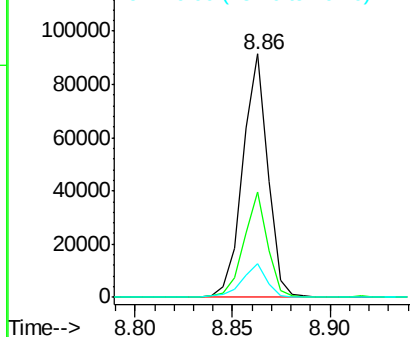
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 80983 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 43.1  | 21.2  | 61.2  |
| 76        | 13.6  | 0.0   | 29.9  |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.47 ng

RT: 9.39 min Scan# 1275

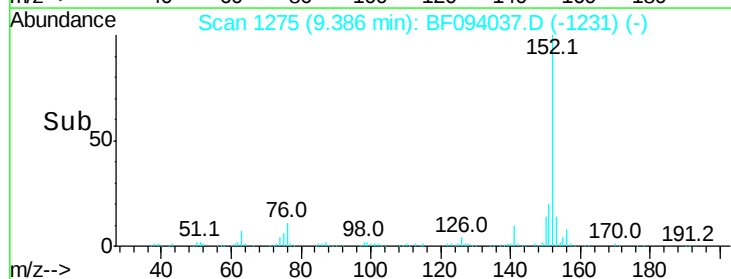
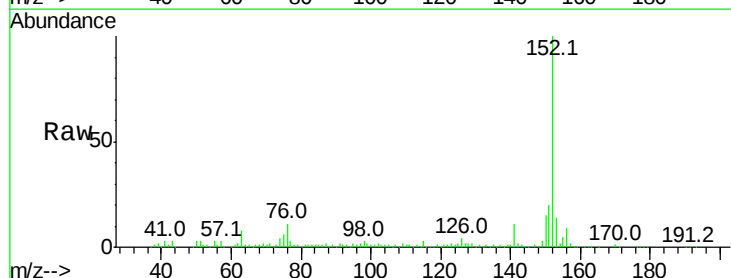
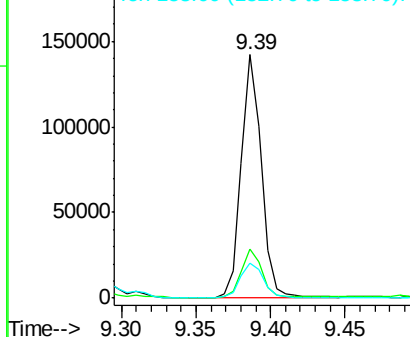
Delta R.T. -0.04 min

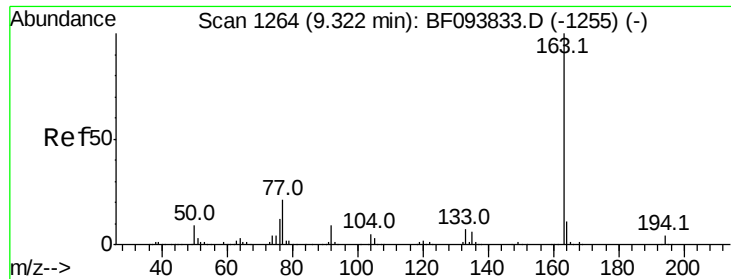
Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 134508 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.1  | 16.8  | 25.2   |
| 153       | 14.3  | 10.8  | 16.2   |

Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





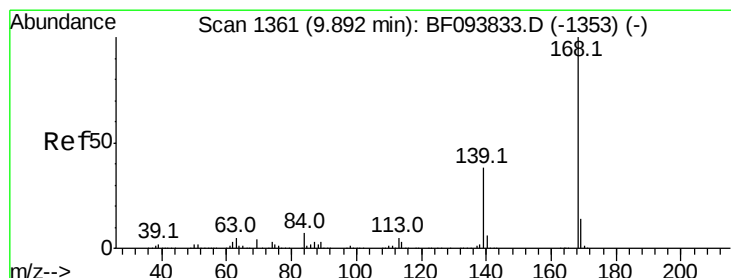
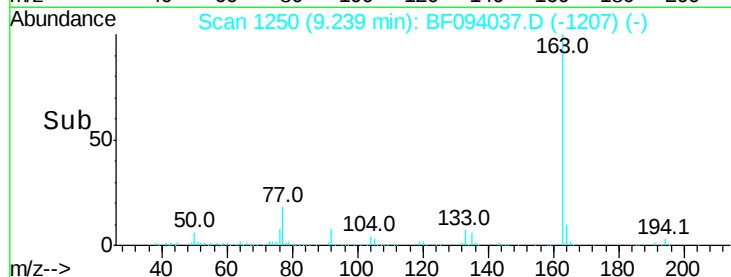
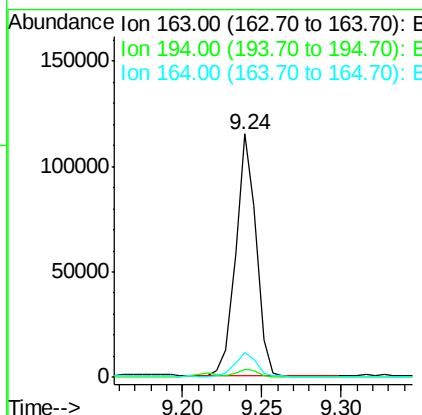
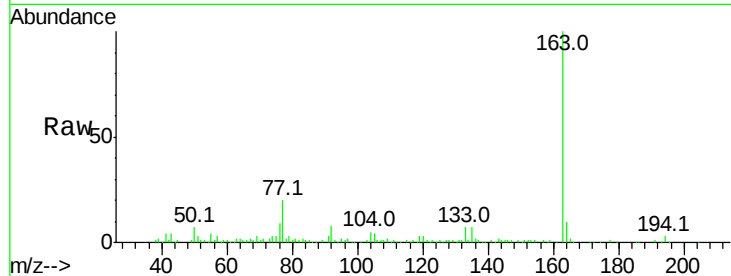
#49  
Dimethylphthalate  
Concen: 4.98 ng  
RT: 9.24 min Scan# 1250  
Delta R.T. -0.05 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 101497 |       |       |
| 194     | 3.1   |        | 2.6   | 4.0   |
| 164     | 10.2  |        | 8.4   | 12.6  |

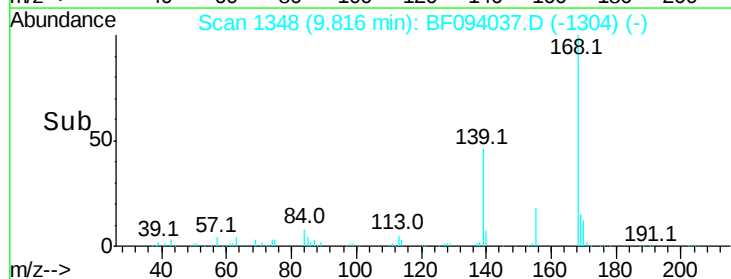
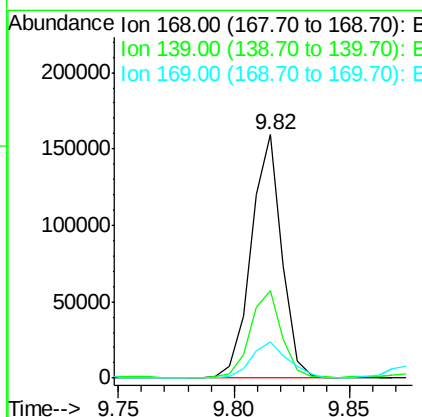
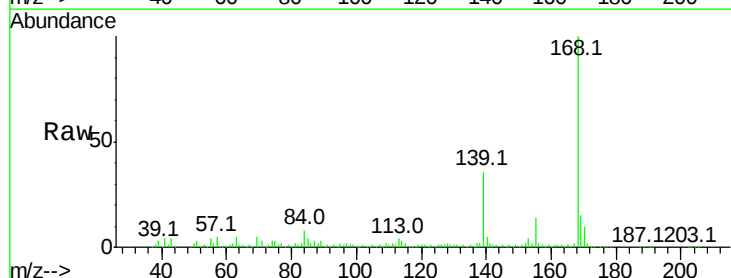
Manual Integrations  
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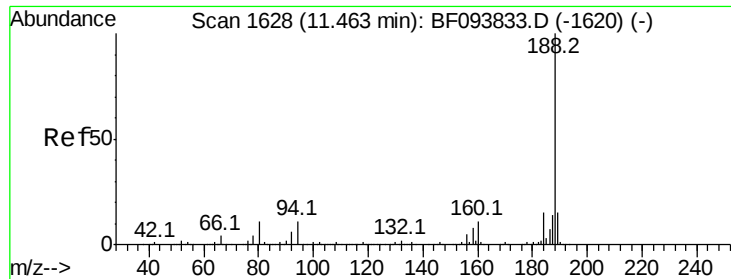
mohammad  
3/30/2017 2:33:01 PM



#54  
Dibenzofuran  
Concen: 6.17 ng  
RT: 9.82 min Scan# 1348  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 147268 |       |       |
| 139     | 36.0  |        | 30.6  | 45.8  |
| 169     | 14.8  |        | 10.8  | 16.2  |





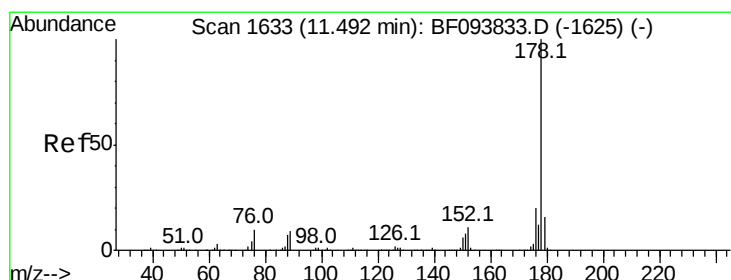
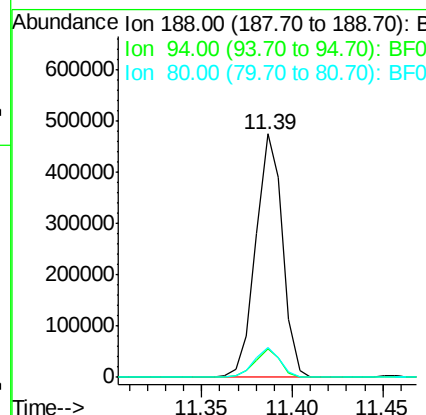
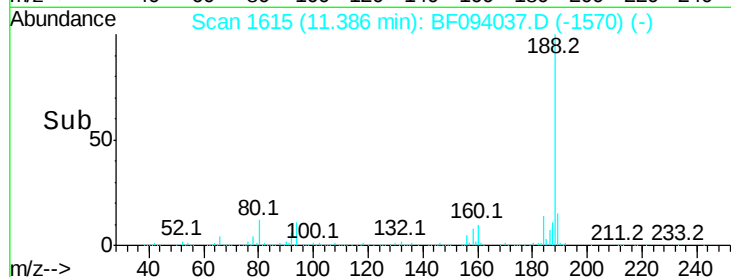
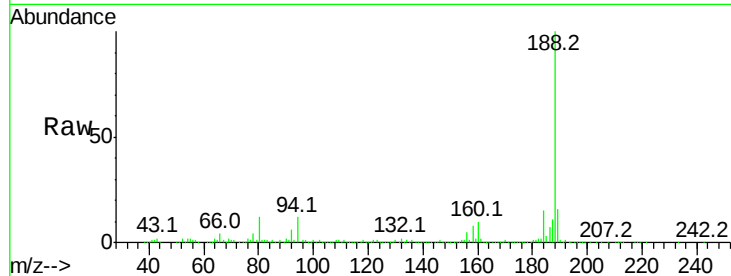
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 1615  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 485515 |       |       |
| 94      | 11.5  |        | 9.4   | 14.2  |
| 80      | 12.1  |        | 10.2  | 15.2  |

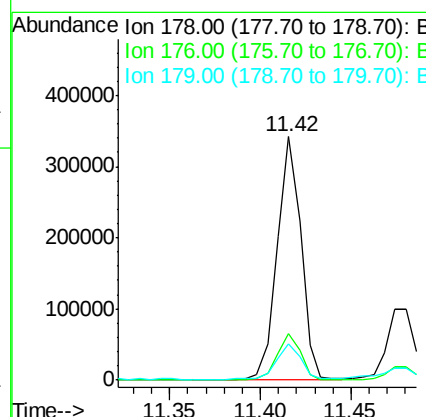
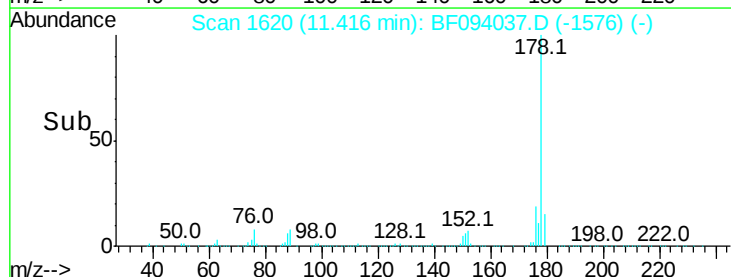
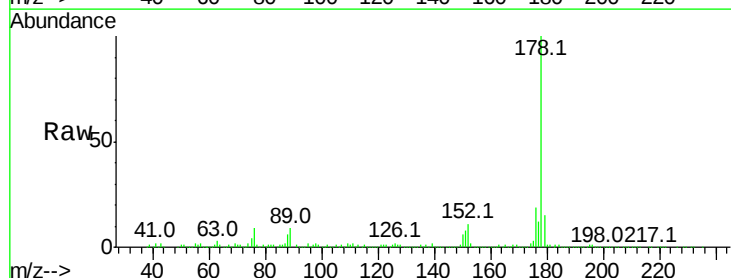
Manual Integrations  
APPROVED

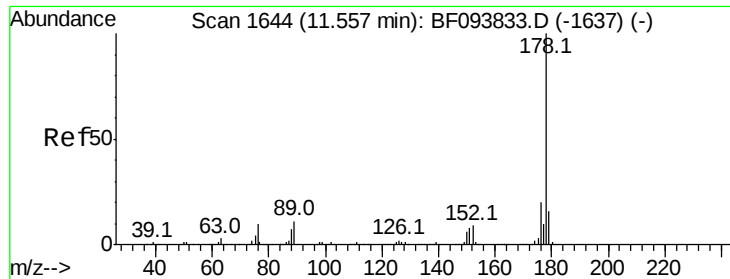
mohammad  
3/30/2017 2:33:01 PM



#70  
Phenanthrene  
Concen: 11.53 ng  
RT: 11.42 min Scan# 1620  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 311404 |       |       |
| 176     | 19.3  |        | 16.2  | 24.4  |
| 179     | 15.0  |        | 12.6  | 19.0  |





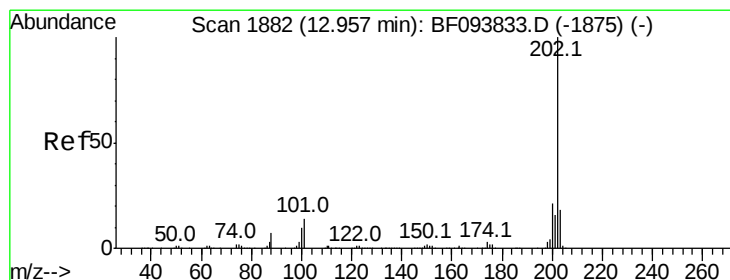
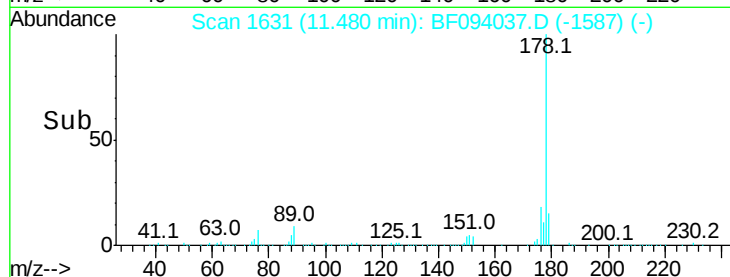
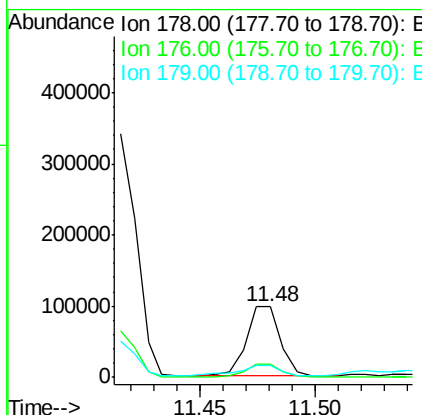
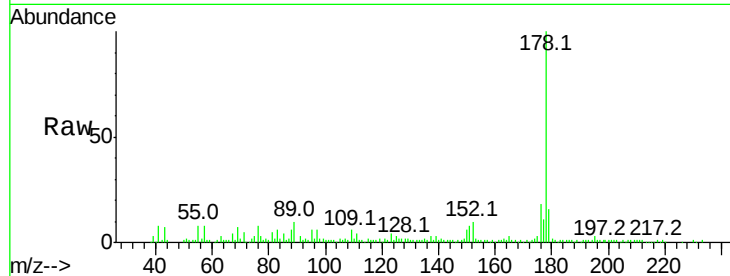
#71  
 Anthracene  
 Concen: 3.60 ng  
 RT: 11.48 min Scan# 1631  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-U11-SSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.8  | 23.8  |
| 179     | 16.5  | 12.7  | 19.1  |

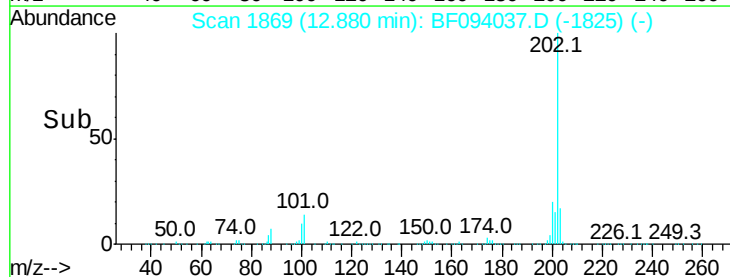
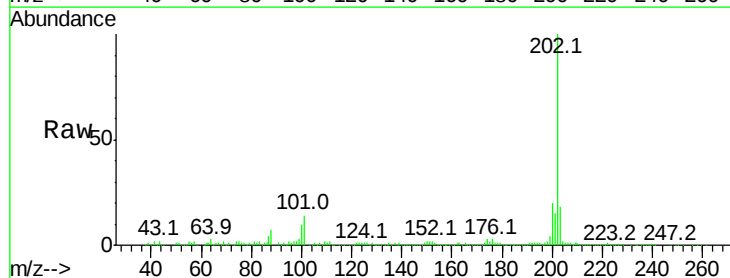
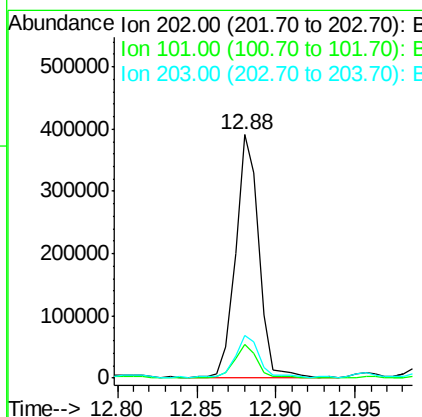
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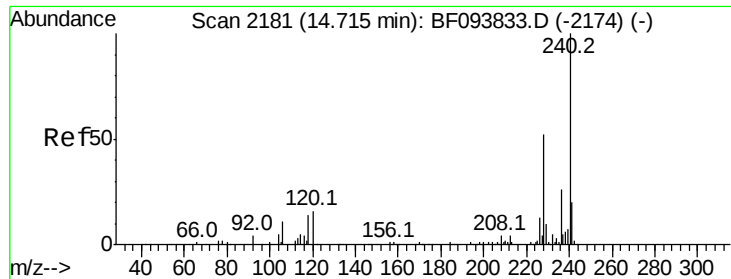
mohammad  
 3/30/2017 2:33:01 PM



#74  
 Fluoranthene  
 Concen: 14.17 ng  
 RT: 12.88 min Scan# 1869  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.9  | 0.0   | 33.2  |
| 203     | 17.6  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

Instrument :

BNA\_F

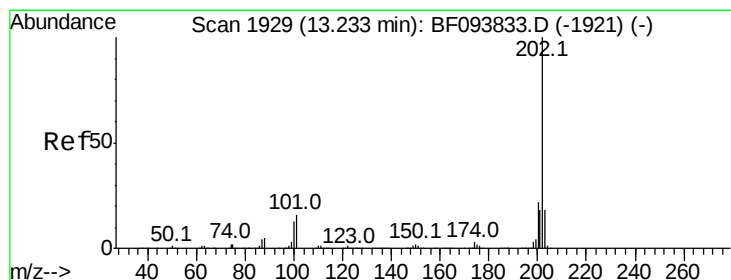
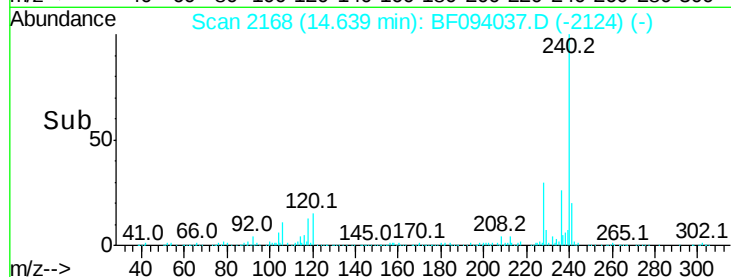
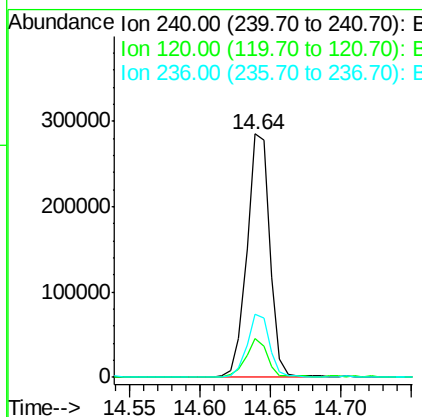
ClientSampleId :

E2-U11-SSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.7  | 5.8   | 8.8#  |
| 236     | 26.1  | 20.5  | 30.7  |

Manual Integrations  
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#77

Pyrene

Concen: 15.28 ng

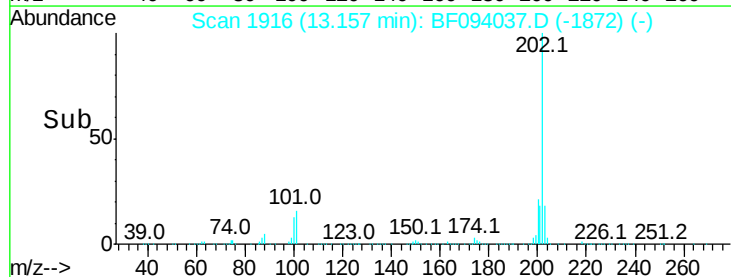
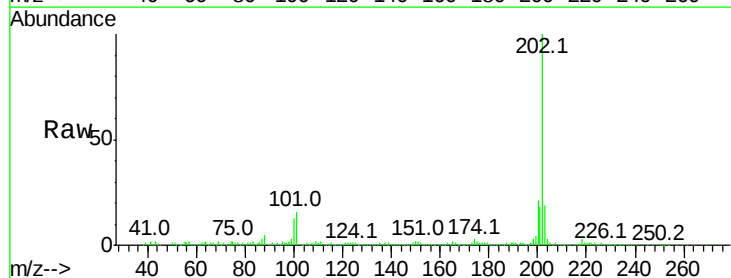
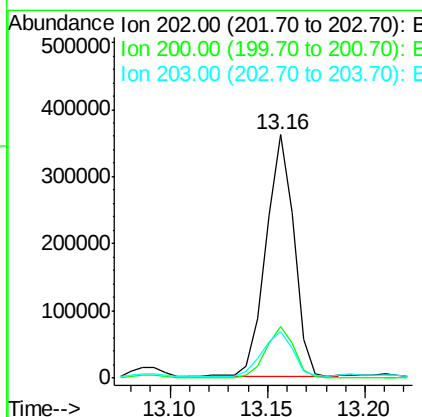
RT: 13.16 min Scan# 1916

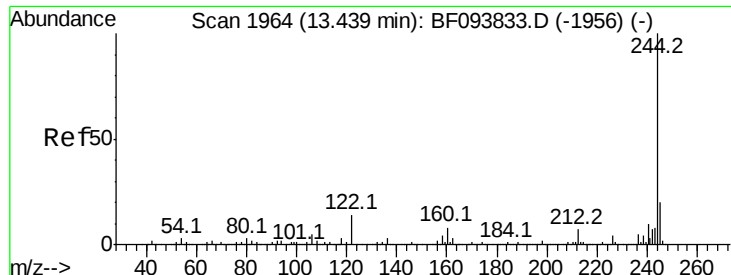
Delta R.T. -0.04 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.0  | 17.6  | 26.4  |
| 203     | 18.9  | 14.4  | 21.6  |





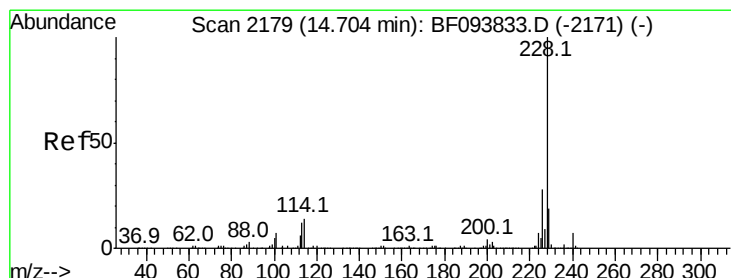
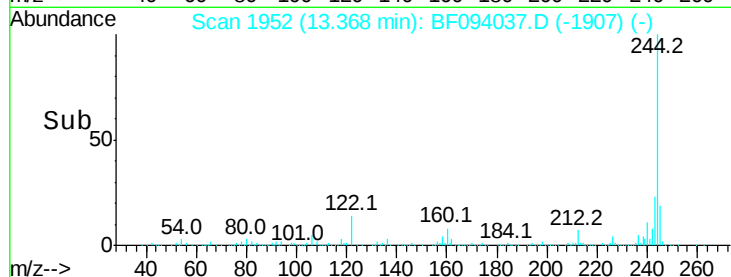
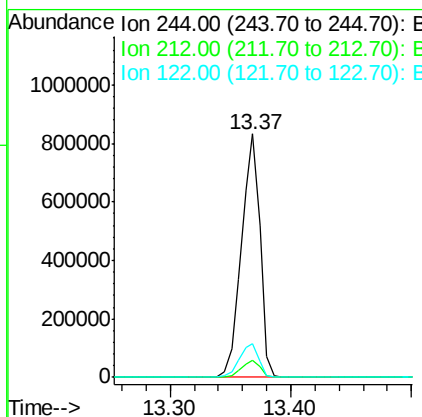
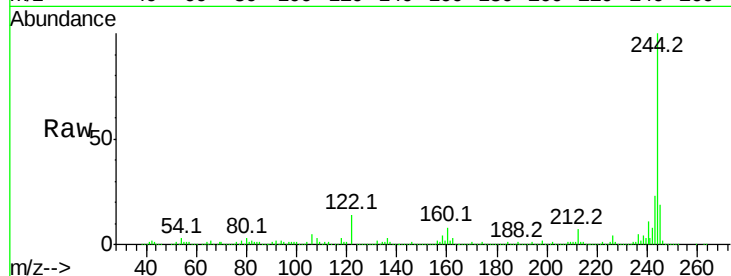
#78  
 Terphenyl-d14  
 Concen: 62.40 ng  
 RT: 13.37 min Scan# 1952  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-U11-SSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.0   | 9.0   |
| 122     | 14.1  | 10.3  | 15.5  |

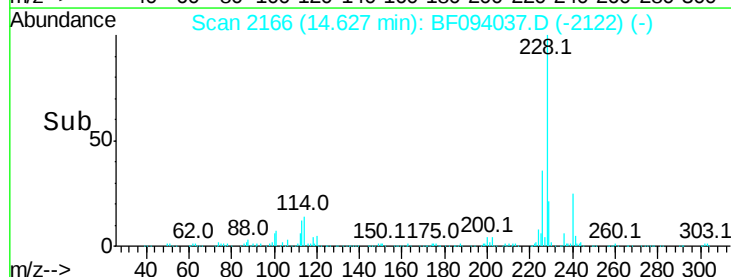
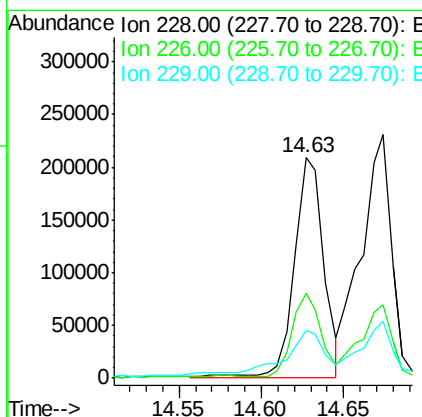
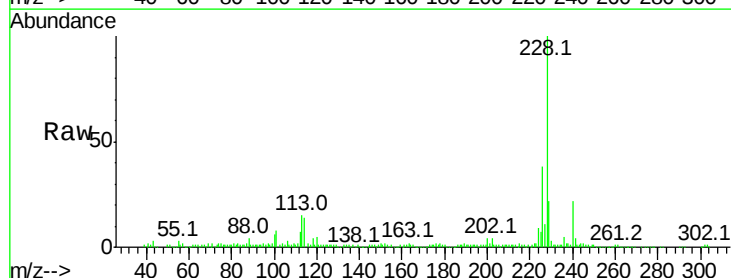
Manual Integrations  
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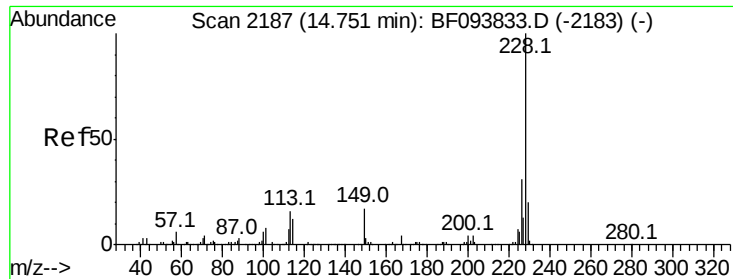
mohammad  
 3/30/2017 2:33:01 PM



#80  
 Benzo(a)anthracene  
 Concen: 13.94 ng m  
 RT: 14.63 min Scan# 2166  
 Delta R.T. -0.04 min  
 Lab File: BF094037.D  
 Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 38.3  | 22.6  | 33.8# |
| 229     | 21.9  | 16.3  | 24.5  |





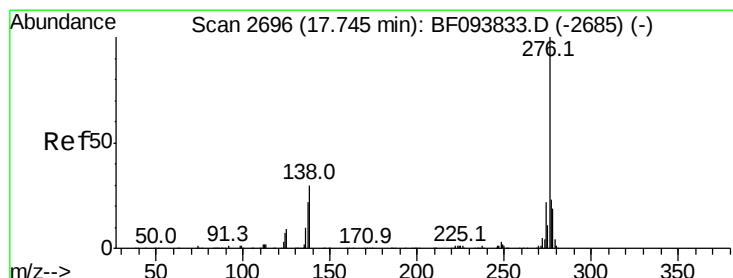
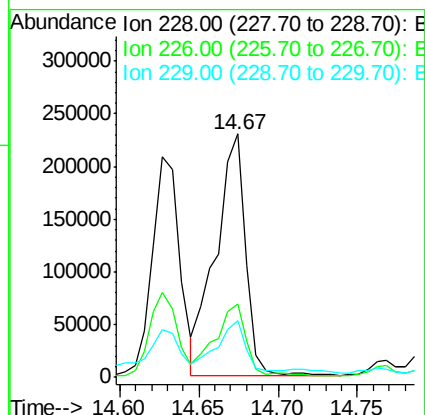
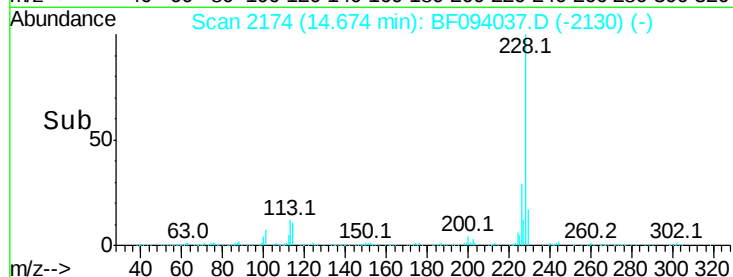
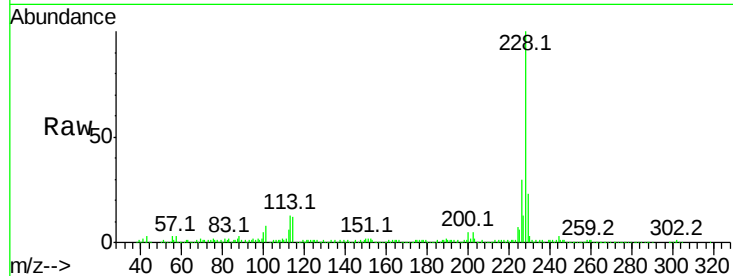
#82  
Chrysene  
Concen: 17.21 ng  
RT: 14.67 min Scan# 2174  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 24.9  | 37.3  |
| 229     | 23.1  | 15.8  | 23.6  |

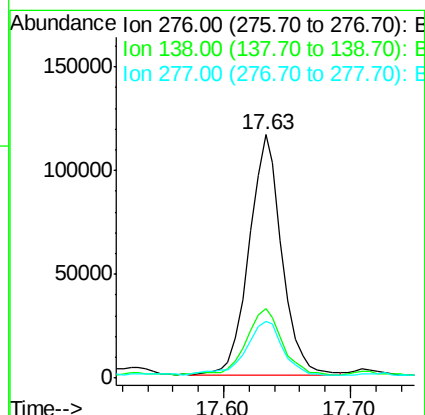
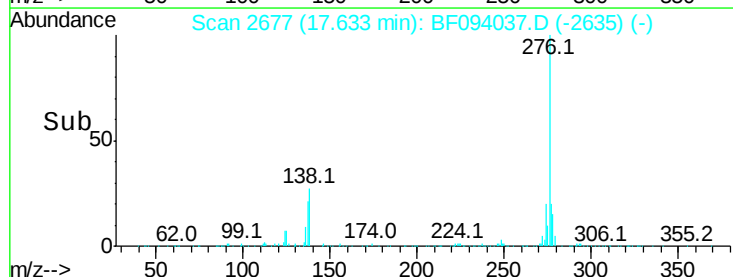
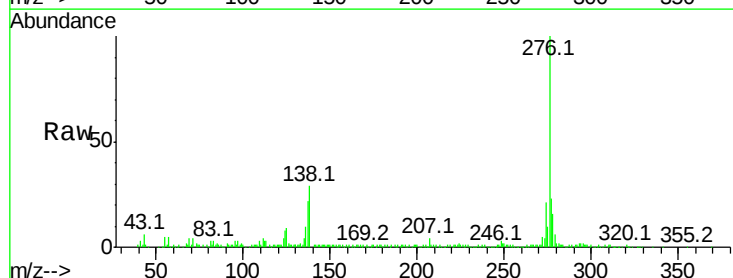
Manual Integrations  
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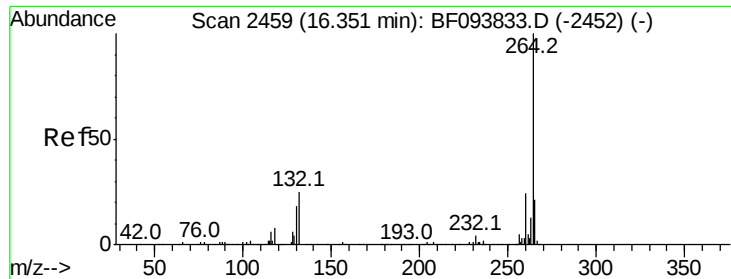
mohammad  
3/30/2017 2:33:01 PM



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 13.62 ng  
RT: 17.63 min Scan# 2677  
Delta R.T. -0.05 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.0  | 27.8  | 41.6  |
| 277     | 27.0  | 20.2  | 30.4  |





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.03 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

Instrument :

BNA\_F

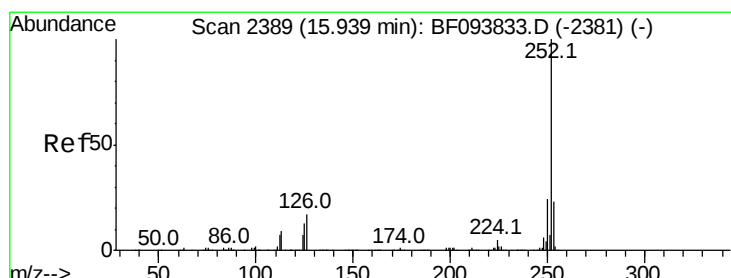
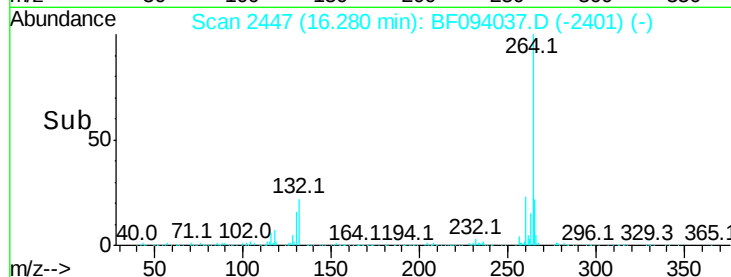
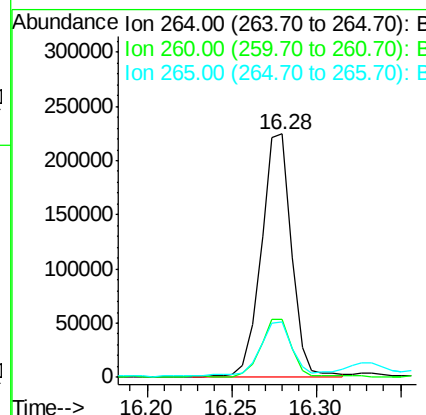
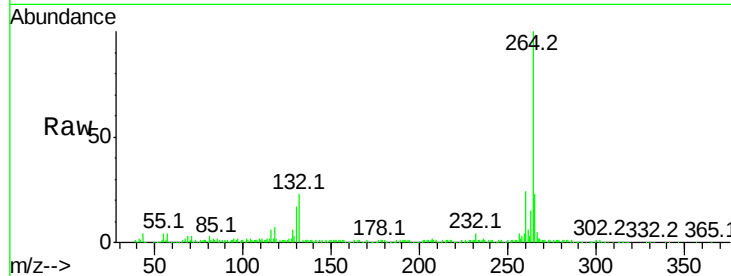
ClientSampleId :

E2-U11-SSW

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 277469 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 19.5  | 29.3   |
| 265       | 22.5  | 17.2  | 25.8   |

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3/30/2017 2:33:01 PM



#87

Benzo(b)fluoranthene

Concen: 30.64 ng m

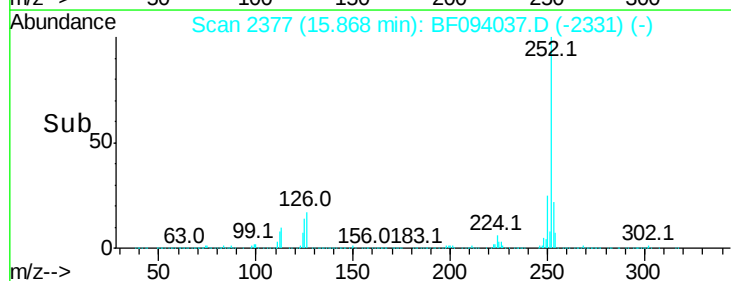
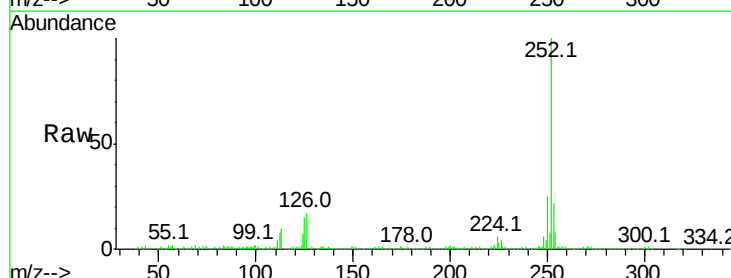
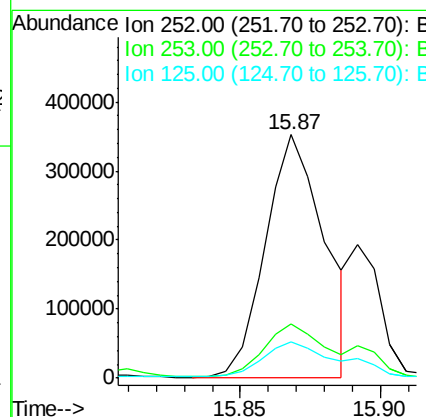
RT: 15.87 min Scan# 2377

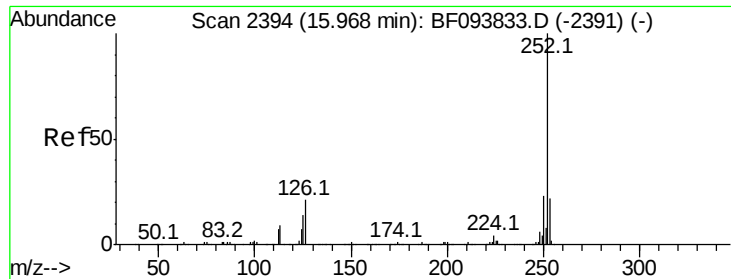
Delta R.T. -0.03 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 521175 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.1  | 27.1   |
| 125       | 14.9  | 9.8   | 14.8#  |





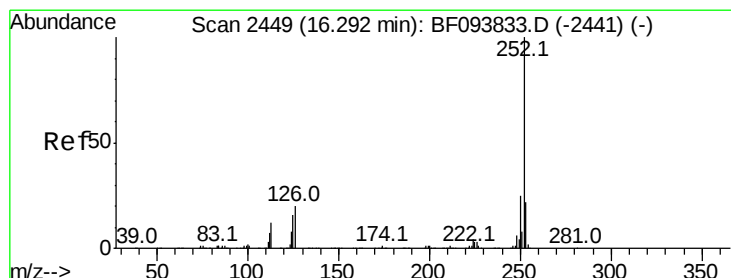
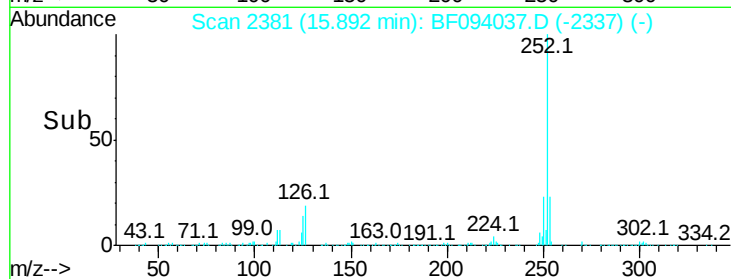
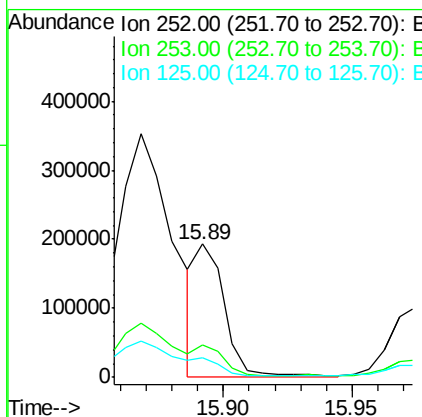
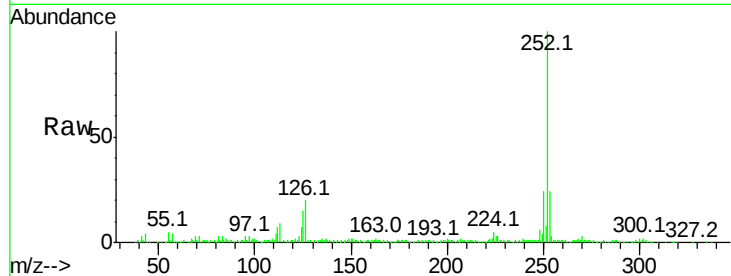
#88  
Benzo(k)fluoranthene  
Concen: 9.24 ng m  
RT: 15.89 min Scan# 2381  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
E2-U11-SSW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.4  | 27.6  |
| 125     | 15.2  | 13.1  | 19.7  |

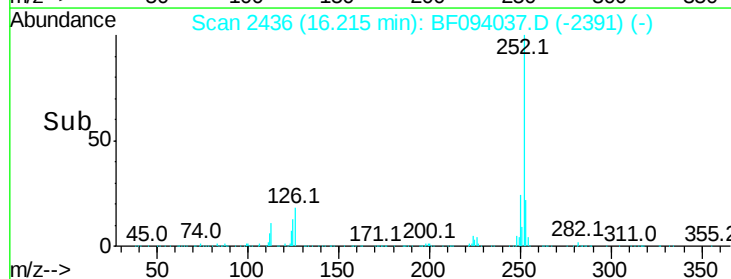
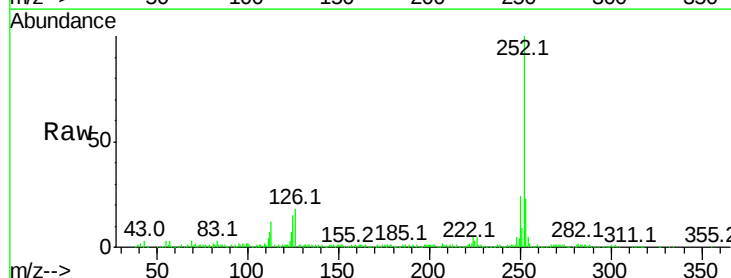
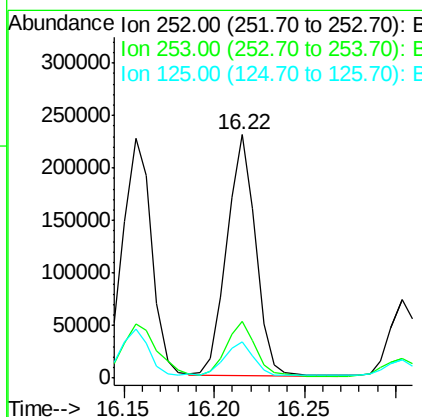
Manual Integrations  
APPROVED

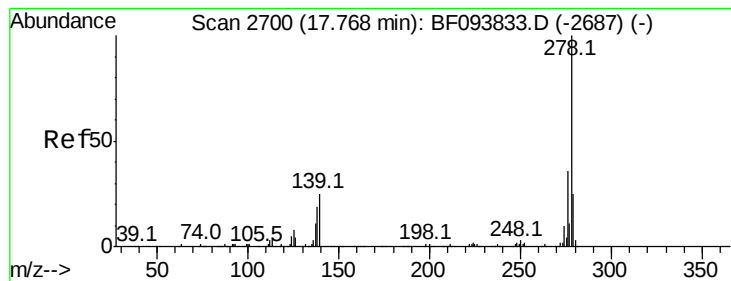
mohammad  
3/30/2017 2:33:01 PM



#89  
Benzo(a)pyrene  
Concen: 16.21 ng  
RT: 16.22 min Scan# 2436  
Delta R.T. -0.04 min  
Lab File: BF094037.D  
Acq: 29 Mar 2017 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.5  | 26.3  |
| 125     | 14.7  | 11.0  | 16.4  |





#90

Dibenzo(a,h)anthracene

Concen: 4.04 ng

RT: 17.64 min Scan# 2679

Delta R.T. -0.06 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

Instrument :

BNA\_F

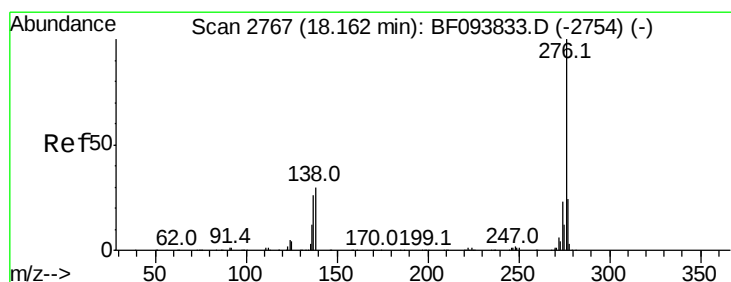
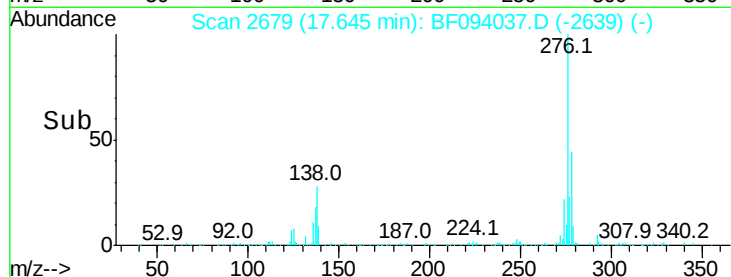
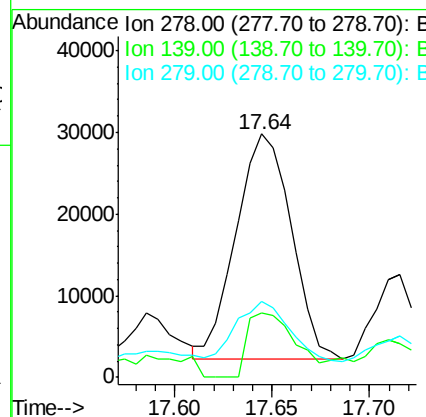
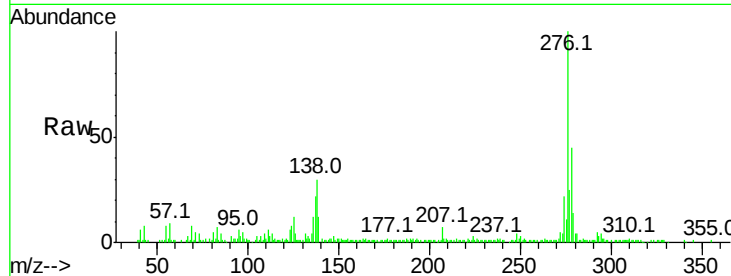
ClientSampleId :

E2-U11-SSW

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 278   | Resp: | 53642 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 26.4  | 16.6  | 24.8# |
| 279       | 31.0  | 19.3  | 28.9# |

Manual Integrations  
APPROVED

mohammad  
3/30/2017 2:33:01 PM



#91

Benzo(g,h,i)perylene

Concen: 13.46 ng

RT: 18.03 min Scan# 2745

Delta R.T. -0.06 min

Lab File: BF094037.D

Acq: 29 Mar 2017 23:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 179954 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.1  | 18.6  | 28.0   |
| 138       | 31.5  | 25.4  | 38.0   |

