

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022817\  
 Data File : BF093276.D  
 Acq On : 1 Mar 2017 6:25  
 Operator : SJ/MA  
 Sample : I1972-02 2X  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2B15-BASE-2

Manual Integrations  
 APPROVED

mohammad  
 3/1/2017 4:08:59 PM

Quant Time: Mar 01 06:52:22 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 143801   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.10  | 136  | 501621   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 206689   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.33 | 188  | 327477   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 13.99 | 240  | 277029   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.41 | 264  | 189952   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 563112   | 67.18 | ng    | -0.03    |
| 7) Phenol-d6                | 6.46  | 99   | 710116   | 65.84 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 415686   | 46.15 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 88167    | 58.98 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 577064   | 50.58 | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.92 | 244  | 411336   | 34.89 | ng    | -0.05    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.48  | 94   | 39479    | 3.13  | ng    | 92       |
| 20) 3+4-Methylphenols       | 7.25  | 107  | 66426    | 7.00  | ng    | # 63     |
| 31) Naphthalene             | 8.11  | 128  | 69023    | 2.71  | ng    | 100      |
| 49) Dimethylphthalate       | 9.56  | 163  | 47369    | 3.40  | ng    | 98       |
| 51) Acenaphthene            | 9.88  | 154  | 27055    | 2.24  | ng    | 97       |
| 54) Dibenzofuran            | 10.05 | 168  | 44259    | 2.74  | ng    | 93       |
| 57) Fluorene                | 10.40 | 166  | 45851m   | 3.68  | ng    |          |
| 70) Phenanthrene            | 11.36 | 178  | 379742   | 20.24 | ng    | 98       |
| 71) Anthracene              | 11.41 | 178  | 92799    | 4.93  | ng    | 99       |
| 74) Fluoranthene            | 12.56 | 202  | 493827   | 25.52 | ng    | 94       |
| 77) Pyrene                  | 12.79 | 202  | 461026   | 22.24 | ng    | 98       |
| 80) Benzo(a)anthracene      | 13.97 | 228  | 215074   | 12.69 | ng    | 95       |
| 82) Chrysene                | 14.01 | 228  | 189851m  | 11.97 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.81 | 276  | 67459    | 5.49  | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 15.00 | 252  | 166018m  | 13.28 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.01 | 252  | 71811m   | 6.65  | ng    |          |
| 89) Benzo(a)pyrene          | 15.36 | 252  | 118727   | 10.98 | ng    | # 91     |
| 90) Dibenzo(a,h)anthracene  | 16.81 | 278  | 18092    | 2.07  | ng    | # 65     |
| 91) Benzo(g,h,i)perylene    | 17.23 | 276  | 67682    | 7.67  | ng    | # 88     |

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

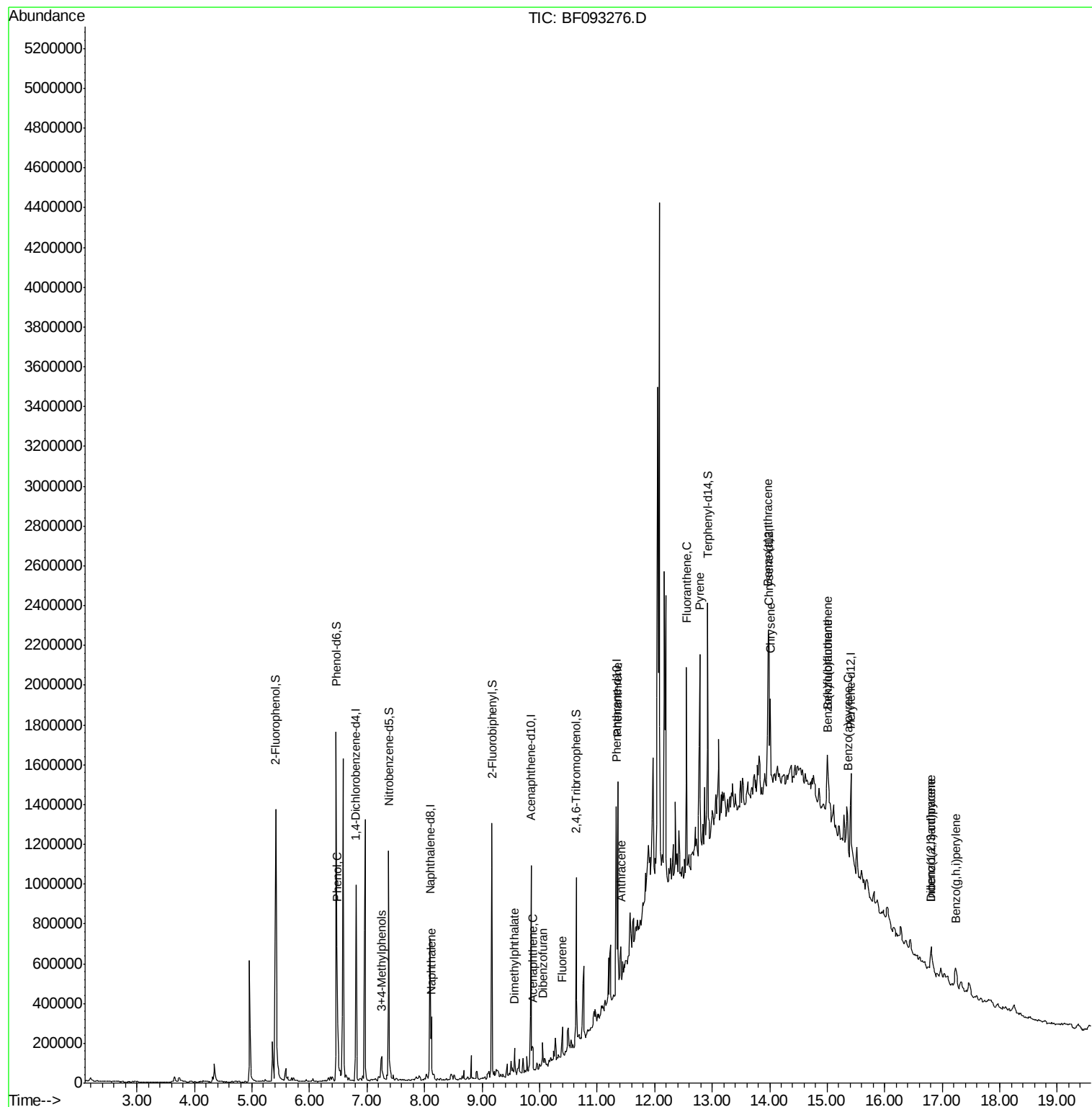
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022817\  
Data File : BF093276.D  
Acq On : 1 Mar 2017 6:25  
Operator : SJ/MA  
Sample : I1972-02 2X  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

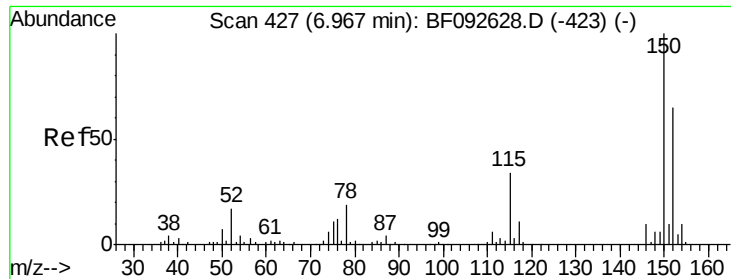
Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM

Quant Time: Mar 01 06:52:22 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration





#1

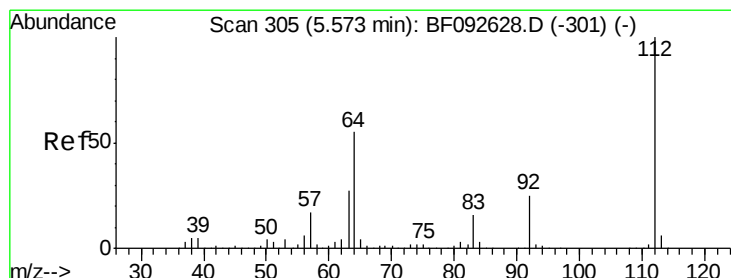
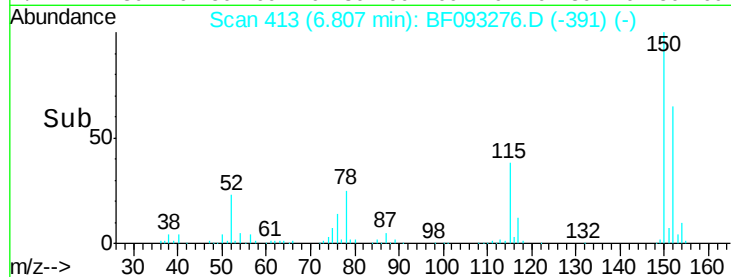
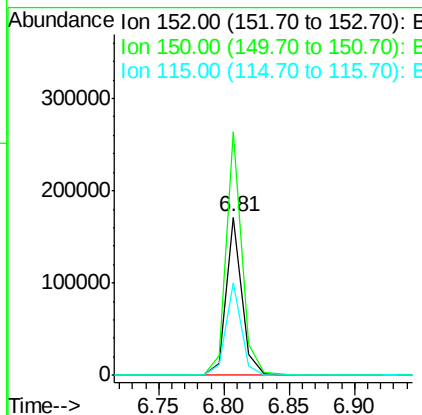
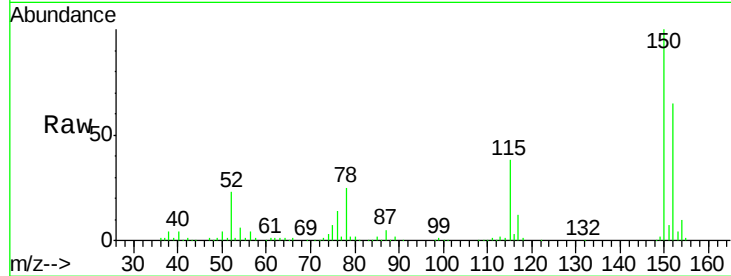
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.05 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 124.9 | 187.3 |
| 115     | 58.6  | 46.0  | 69.0  |

Manual Integrations  
APPROVED

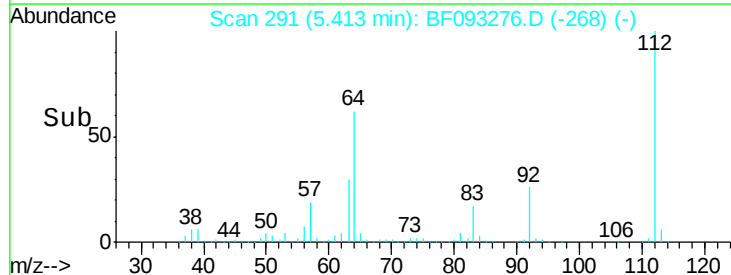
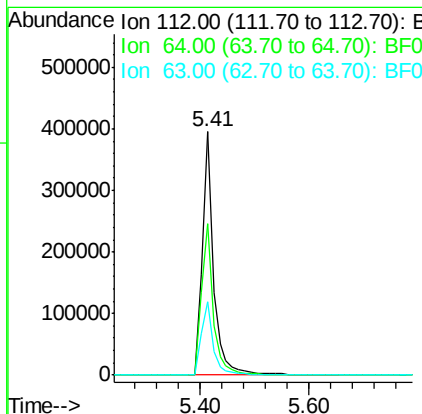
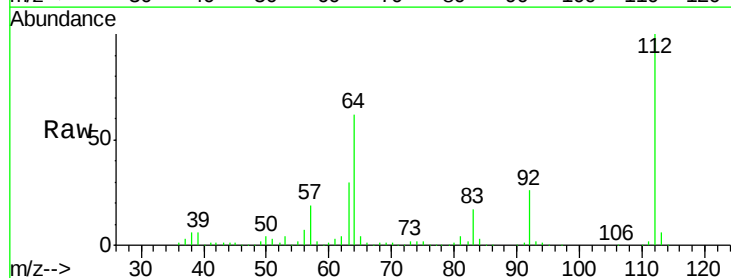
mohammad  
3/1/2017 4:08:59 PM



#5

2-Fluorophenol  
Concen: 67.18 ng  
RT: 5.41 min Scan# 291  
Delta R.T. -0.03 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.2  | 46.1  | 69.1  |
| 63      | 30.0  | 23.8  | 35.6  |





#7

Phenol-d6

Concen: 65.84 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

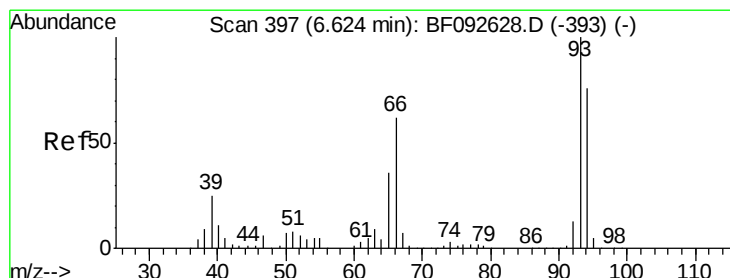
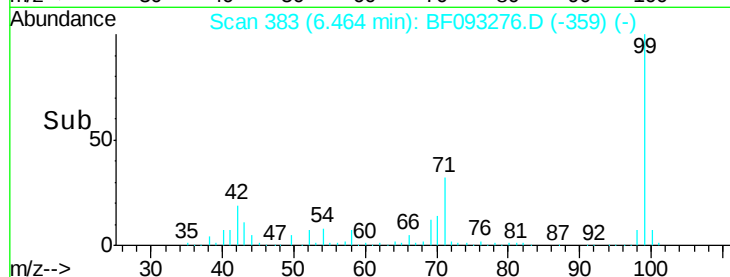
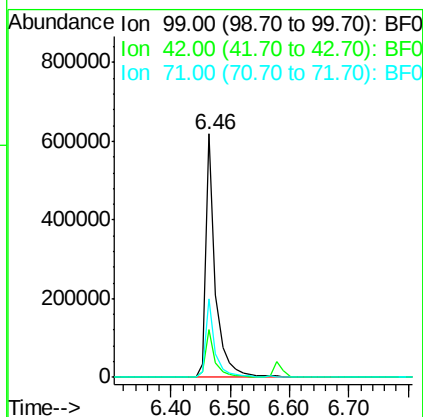
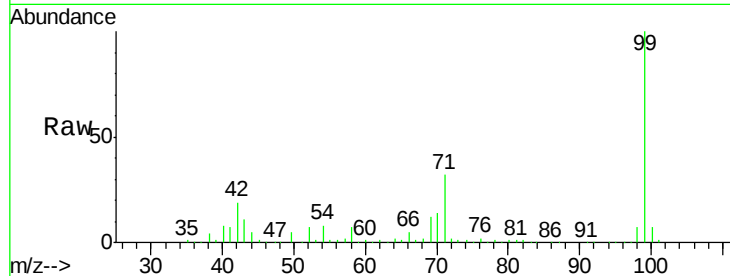
ClientSampleId :

E2B15-BASE-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 710116 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 19.5  | 15.6  | 23.4   |
| 71       | 32.0  | 27.5  | 41.3   |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#10

Phenol

Concen: 3.13 ng

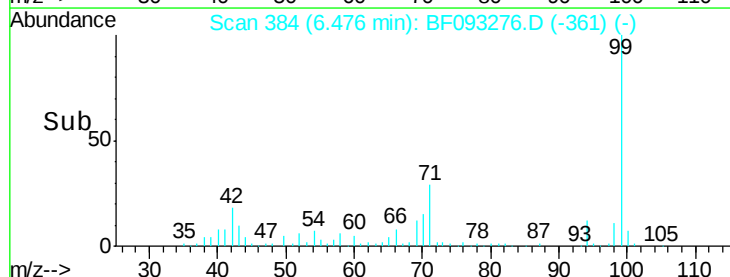
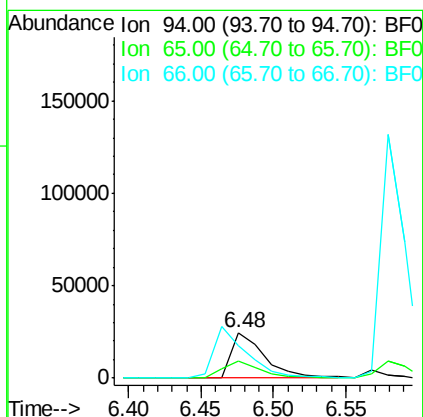
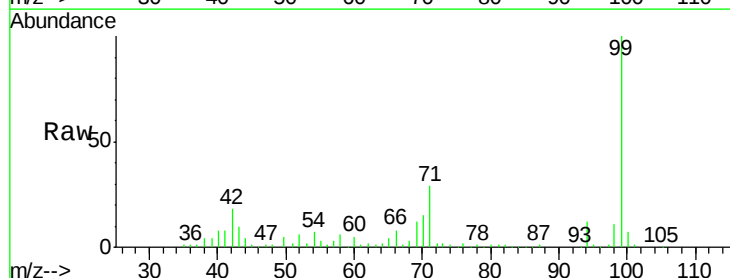
RT: 6.48 min Scan# 384

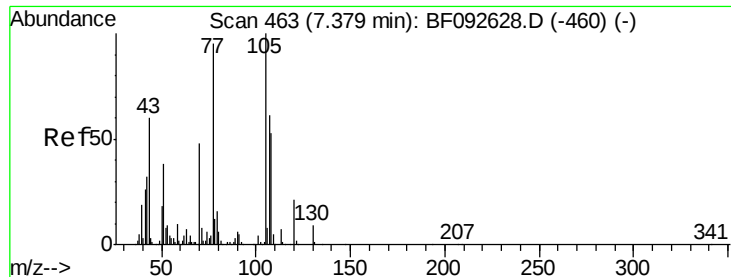
Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 39479 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 36.3  | 21.4  | 61.4  |
| 66       | 70.7  | 44.0  | 84.0  |





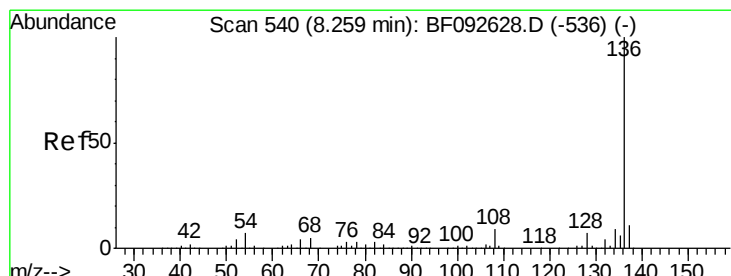
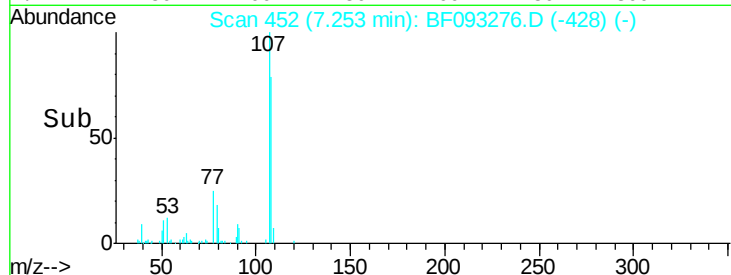
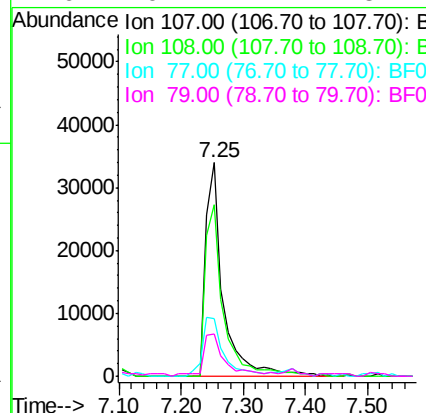
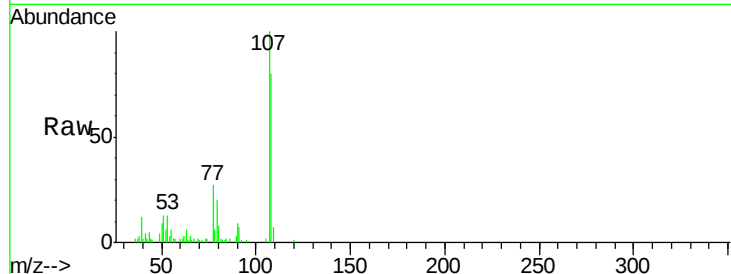
#20  
3+4-Methylphenols  
Concen: 7.00 ng  
RT: 7.25 min Scan# 452  
Delta R.T. -0.02 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 107 | 100  |       | 66426  |       |       |
| 108 | 80.3 | 73.0  | 113.0  |       |       |
| 77  | 27.0 | 71.3  | 111.3# |       |       |
| 79  | 19.7 | 11.1  | 51.1   |       |       |

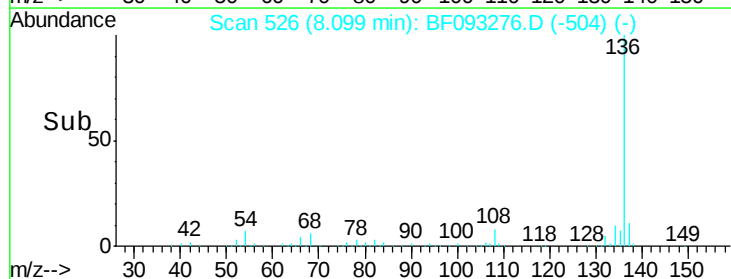
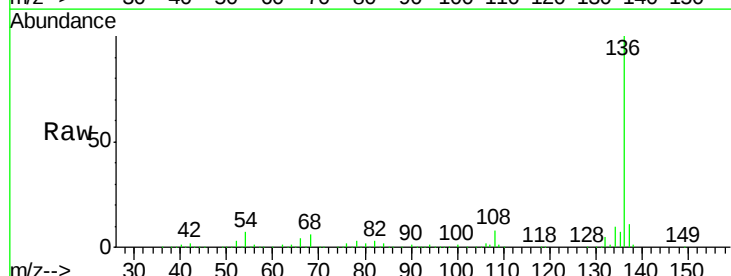
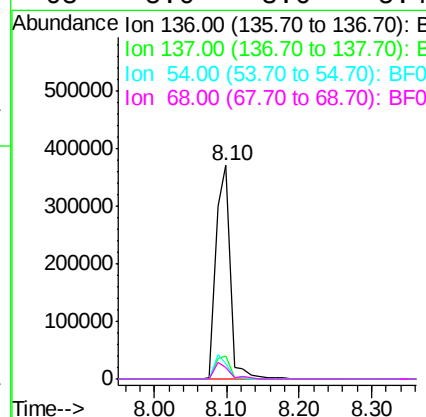
Manual Integrations  
APPROVED

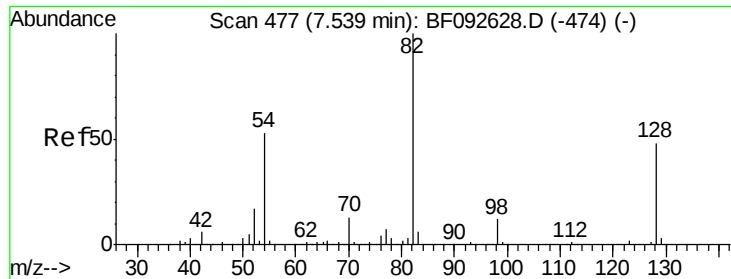
mohammad  
3/1/2017 4:08:59 PM



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 526  
Delta R.T. -0.05 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 136 | 100  |       | 501621 |       |       |
| 137 | 10.6 | 8.4   | 12.6   |       |       |
| 54  | 7.3  | 4.5   | 6.7#   |       |       |
| 68  | 5.6  | 3.6   | 5.4#   |       |       |





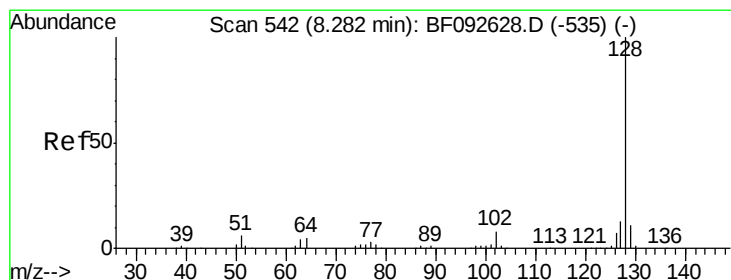
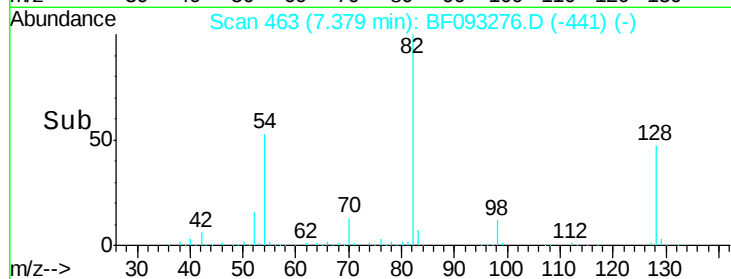
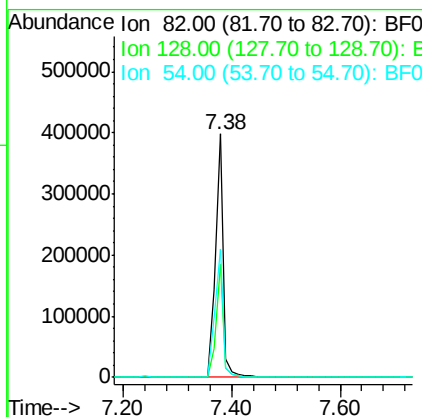
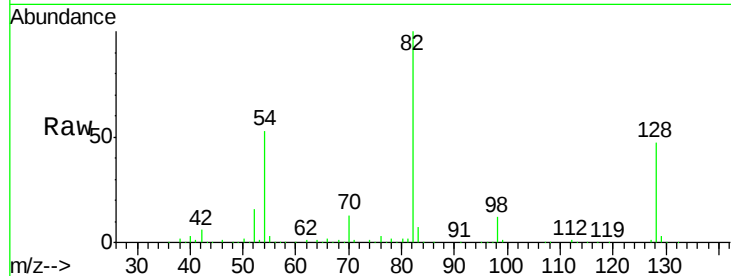
#23  
Nitrobenzene-d5  
Concen: 46.15 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.05 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 415686 |       |       |
| 128     | 46.7  | 34.6   | 52.0  |       |
| 54      | 52.6  | 39.5   | 59.3  |       |

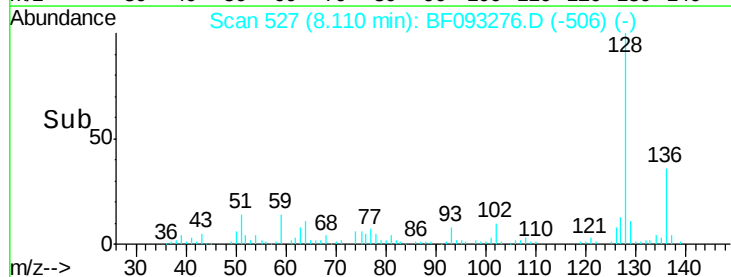
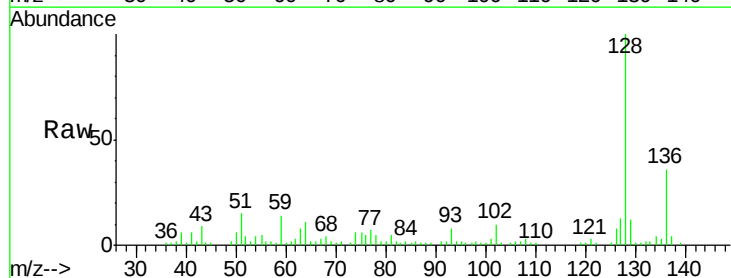
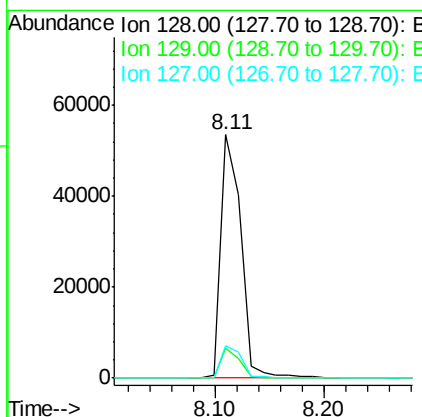
Manual Integrations  
APPROVED

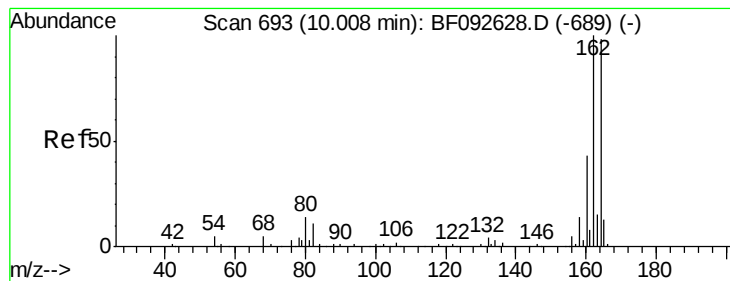
mohammad  
3/1/2017 4:08:59 PM



#31  
Naphthalene  
Concen: 2.71 ng  
RT: 8.11 min Scan# 527  
Delta R.T. -0.06 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 69023 |       |       |
| 129     | 12.0  | 9.5   | 14.3  |       |
| 127     | 13.5  | 10.8  | 16.2  |       |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093276.D

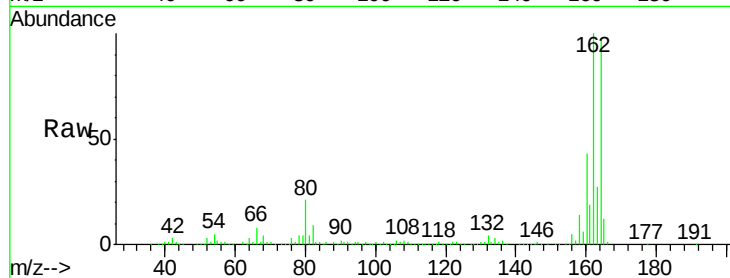
Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

ClientSampleId :

E2B15-BASE-2



Tgt Ion:164 Resp: 206689

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

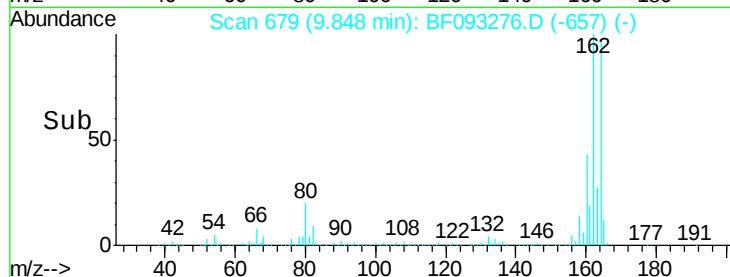
160 44.6 36.9 55.3

Manual Integrations

APPROVED

mohammad

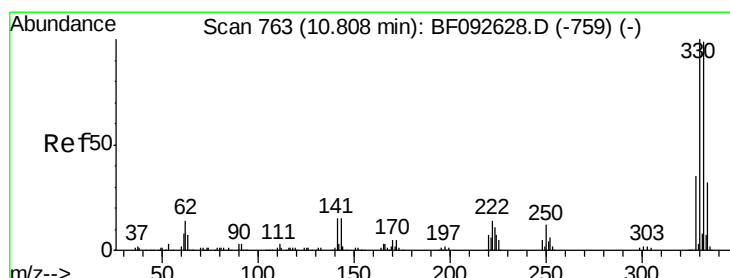
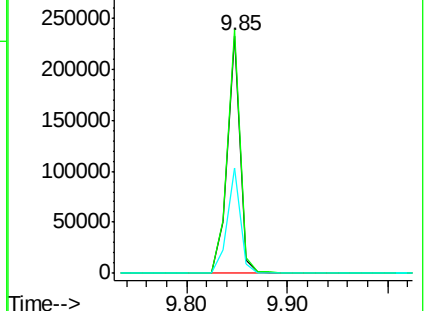
3/1/2017 4:08:59 PM



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: 58.98 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

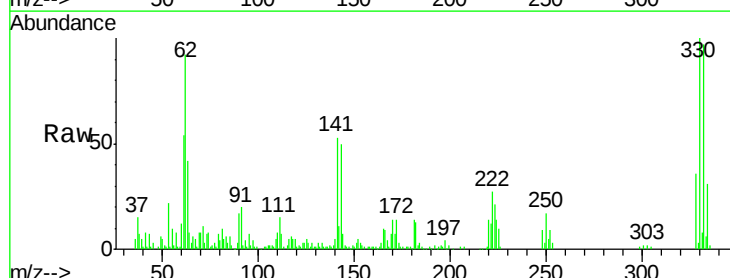
Tgt Ion:330 Resp: 88167

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

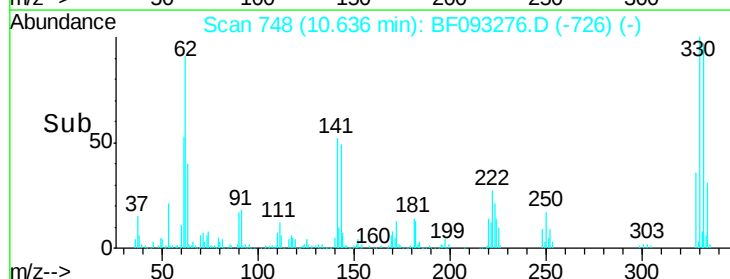
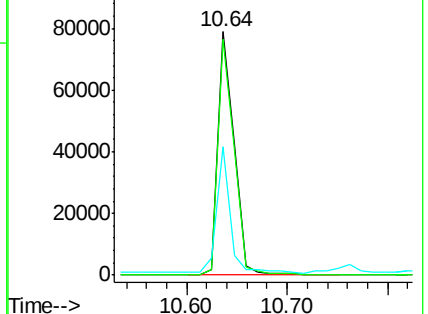
141 42.9 34.1 51.1

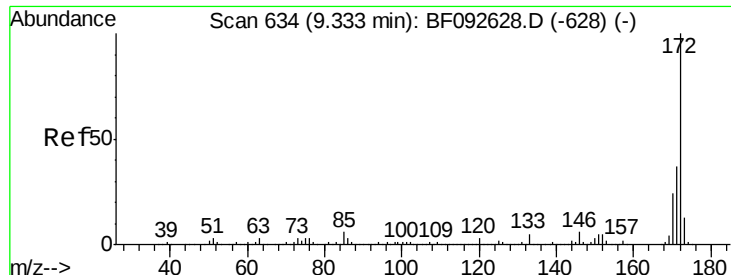


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





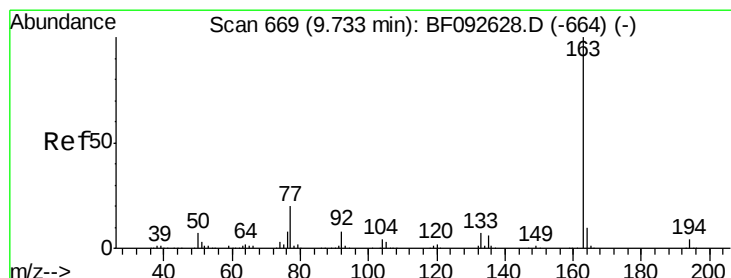
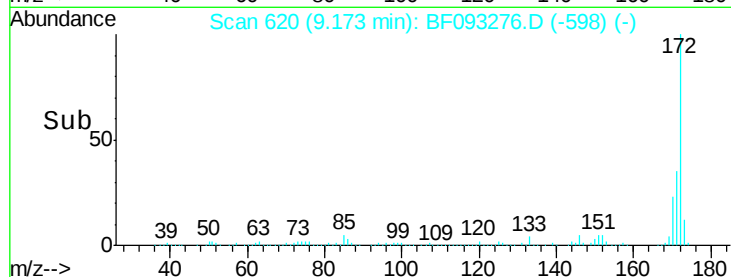
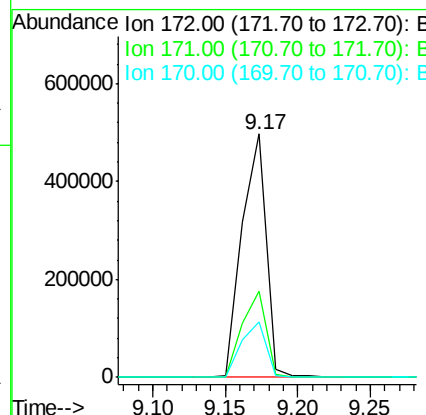
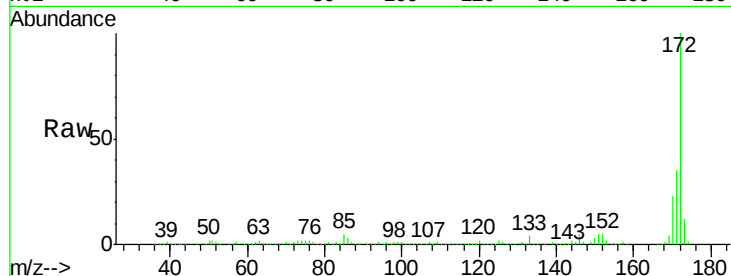
#44  
 2-Fluorobiphenyl  
 Concen: 50.58 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.05 min  
 Lab File: BF093276.D  
 Acq: 1 Mar 2017 6:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2B15-BASE-2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 577064 |       |       |
| 171     | 35.1  | 29.4   | 44.0  |       |
| 170     | 23.0  | 20.2   | 30.4  |       |

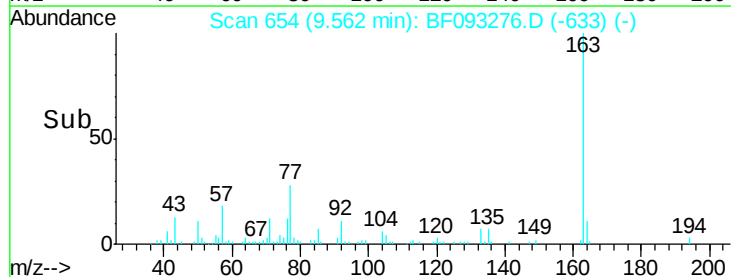
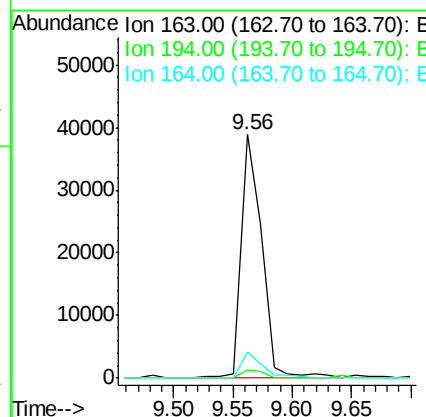
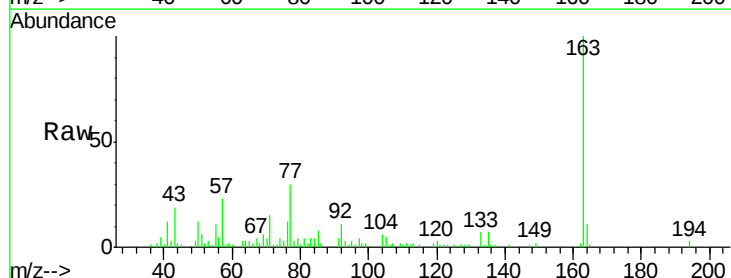
Manual Integrations  
 APPROVED

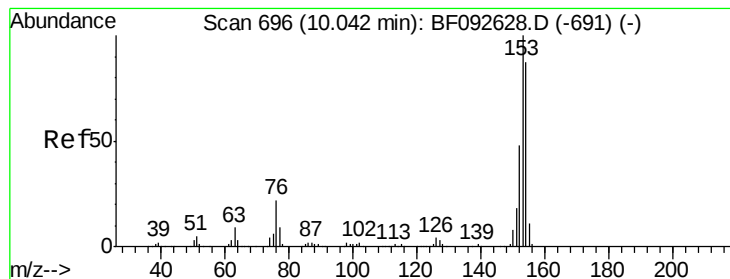
mohammad  
 3/1/2017 4:08:59 PM



#49  
 Dimethylphthalate  
 Concen: 3.40 ng  
 RT: 9.56 min Scan# 654  
 Delta R.T. -0.06 min  
 Lab File: BF093276.D  
 Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 47369 |       |       |
| 194     | 3.1   | 3.0   | 4.4   |       |
| 164     | 10.7  | 8.0   | 12.0  |       |





#51

Acenaphthene

Concen: 2.24 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

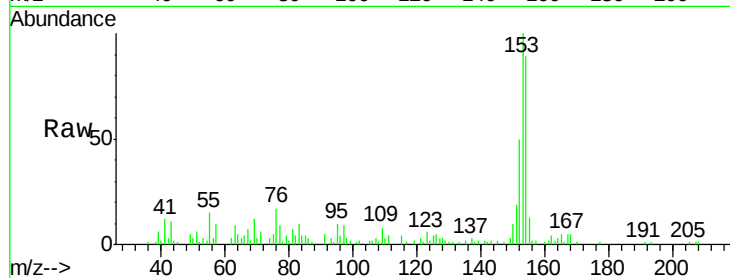
ClientSampleId :

E2B15-BASE-2

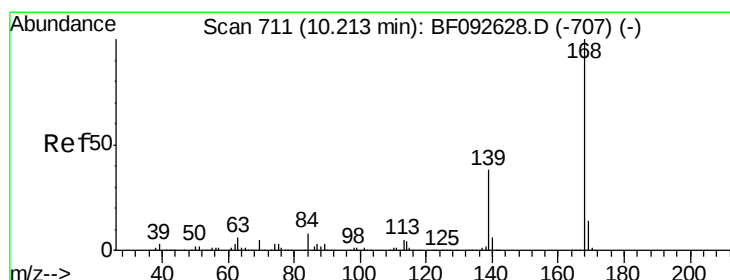
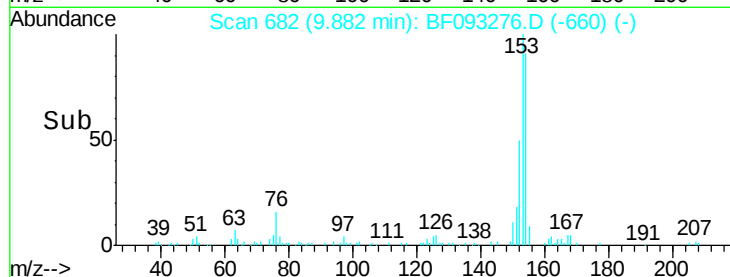
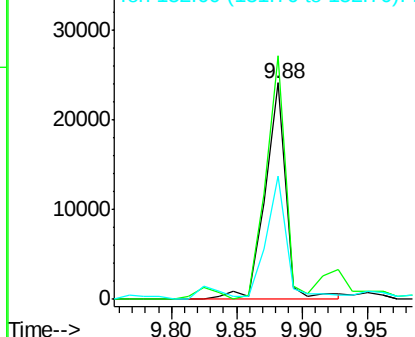
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 27055 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 112.4 | 88.6  | 133.0 |
| 152       | 56.7  | 41.6  | 62.4  |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.74 ng

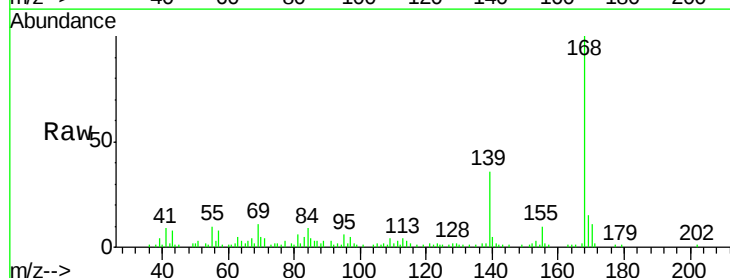
RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

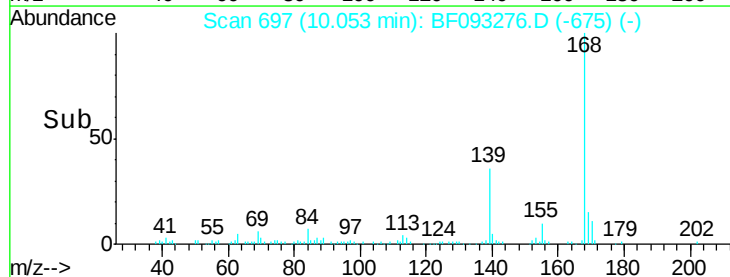
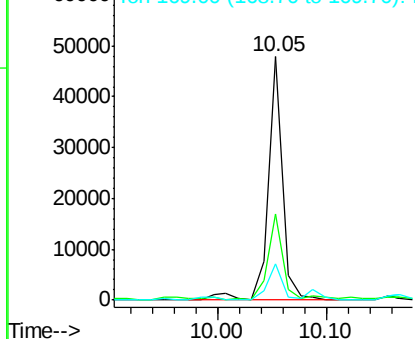
Lab File: BF093276.D

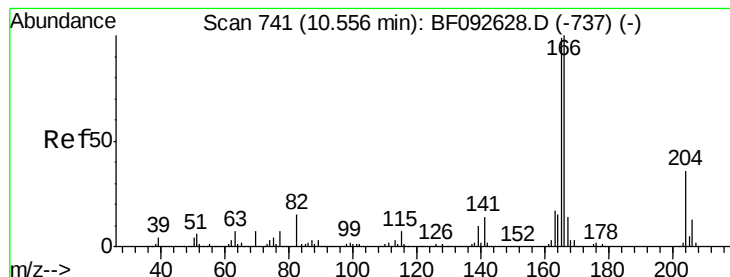
Acq: 1 Mar 2017 6:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 44259 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 35.6  | 32.6  | 49.0  |
| 169       | 15.0  | 11.3  | 16.9  |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.68 ng m

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

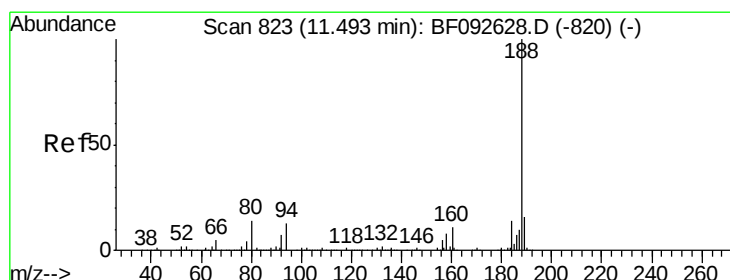
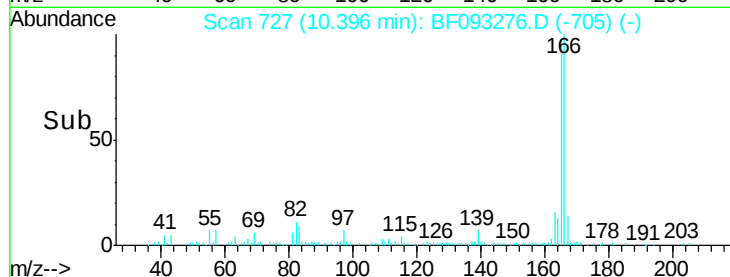
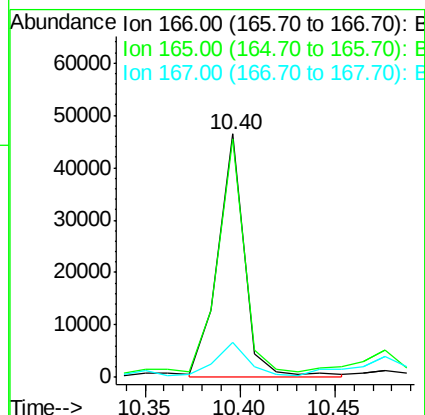
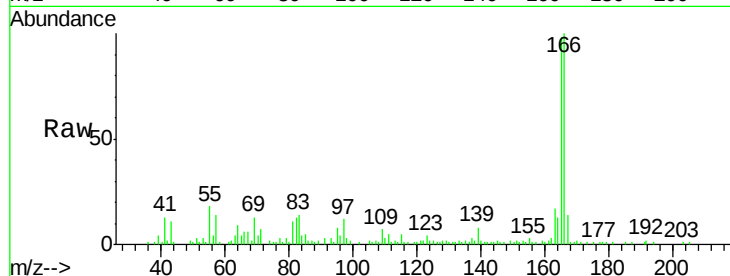
ClientSampleId :

E2B15-BASE-2

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 166     | 100   | 45851 |       |       |
| 165     | 97.9  | 77.8  | 116.8 |       |
| 167     | 14.1  | 10.8  | 16.2  |       |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

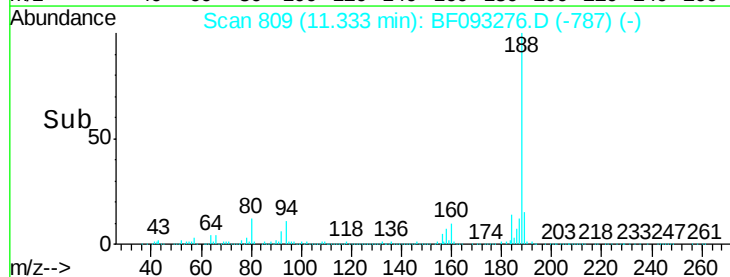
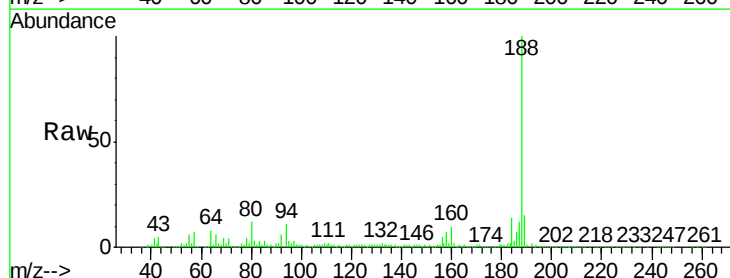
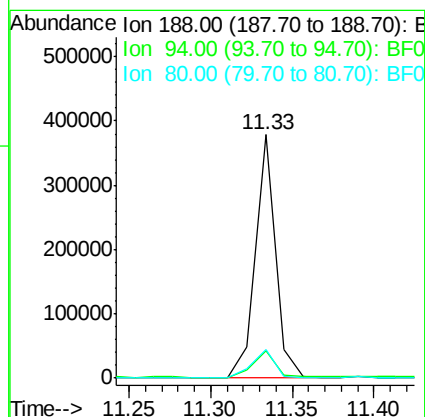
RT: 11.33 min Scan# 809

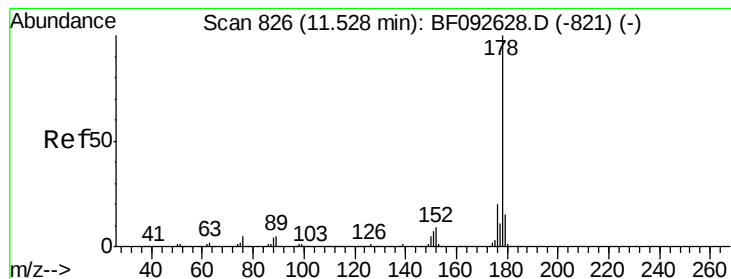
Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 327477 |       |       |
| 94      | 11.0  | 10.0   | 15.0  |       |
| 80      | 11.8  | 11.2   | 16.8  |       |





#70

Phenanthrene

Concen: 20.24 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

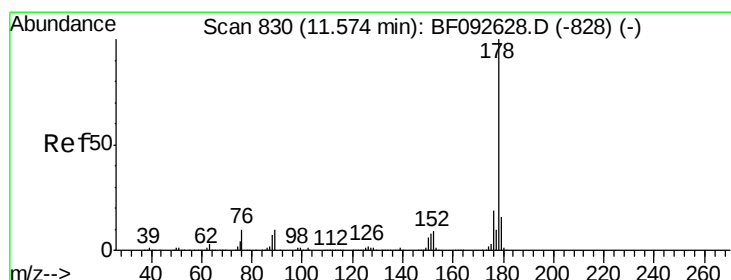
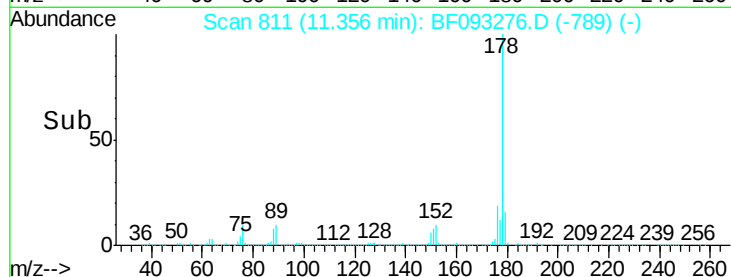
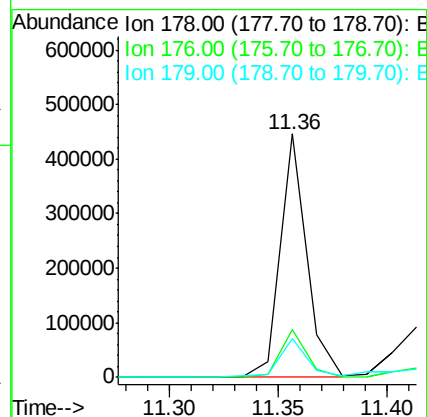
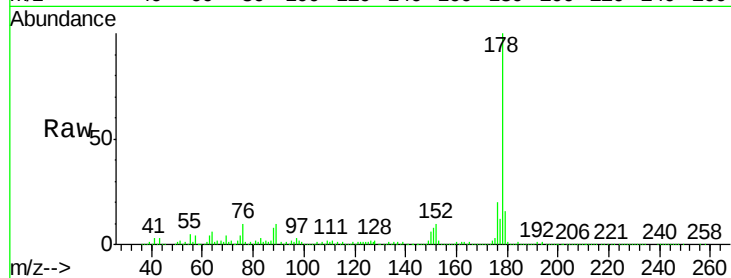
ClientSampleId :

E2B15-BASE-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 379742 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 16.6  | 25.0   |
| 179       | 15.9  | 12.8  | 19.2   |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#71

Anthracene

Concen: 4.93 ng

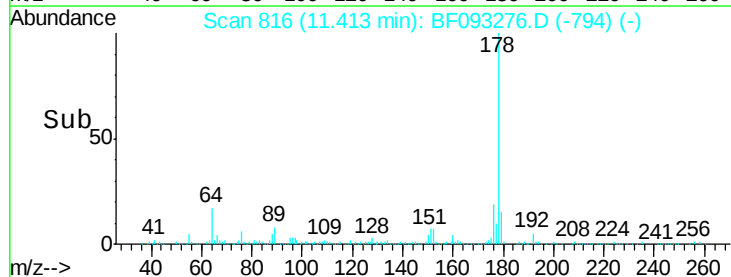
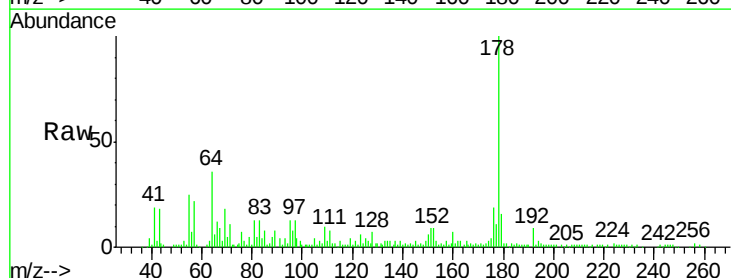
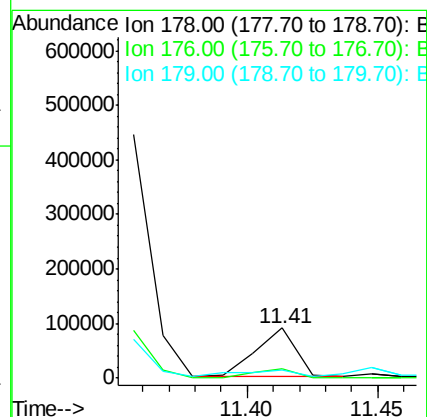
RT: 11.41 min Scan# 816

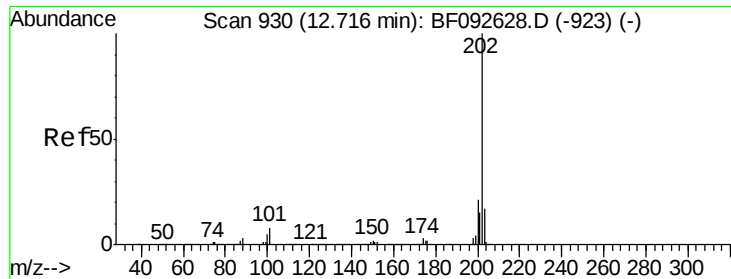
Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 92799 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.2  | 15.9  | 23.9  |
| 179       | 16.3  | 13.2  | 19.8  |





#74

Fluoranthene

Concen: 25.52 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

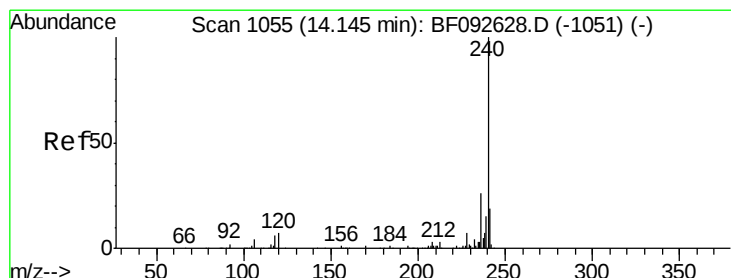
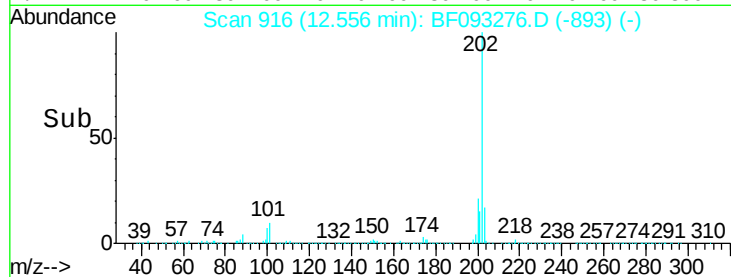
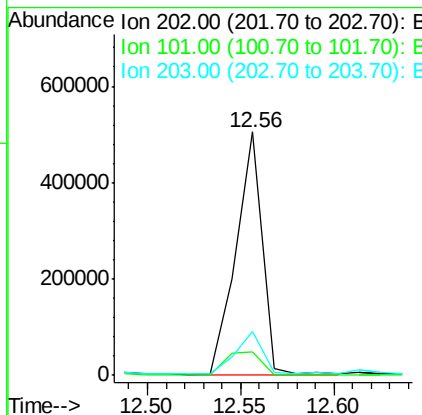
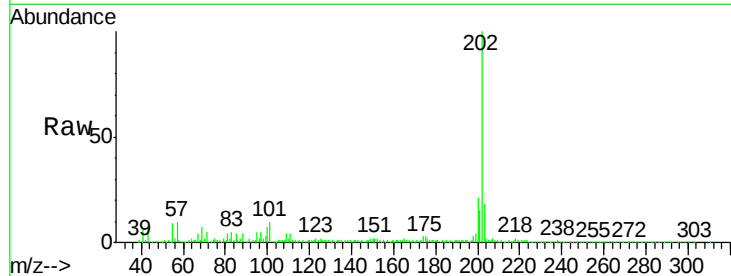
ClientSampleId :

E2B15-BASE-2

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp: | 493827 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 101 | 9.8   | 0.0   | 34.6  |        |
| 203 | 18.1  | 0.0   | 38.7  |        |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#75

Chrysene-d12

Concen: 20.00 ng

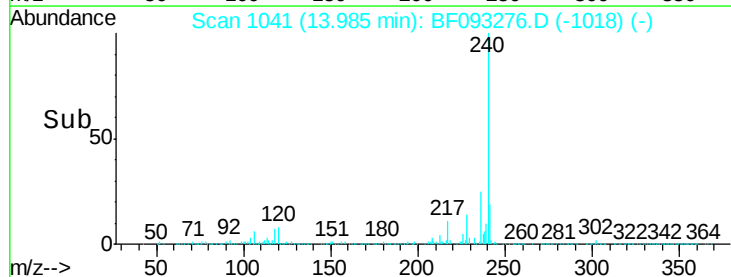
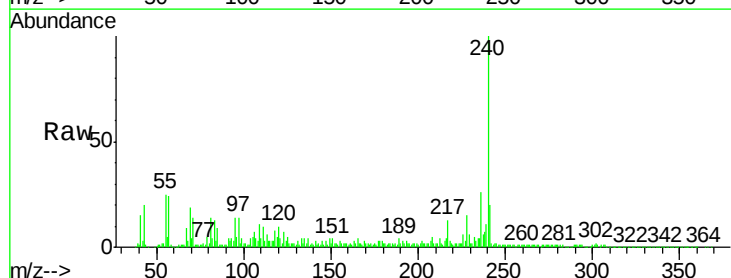
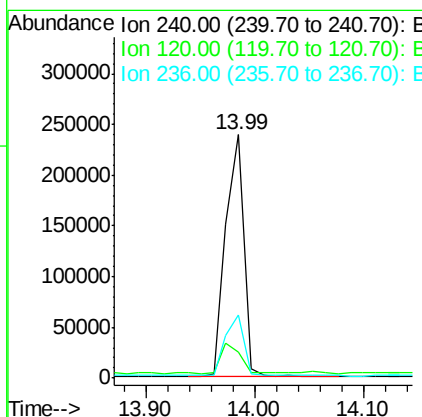
RT: 13.99 min Scan# 1041

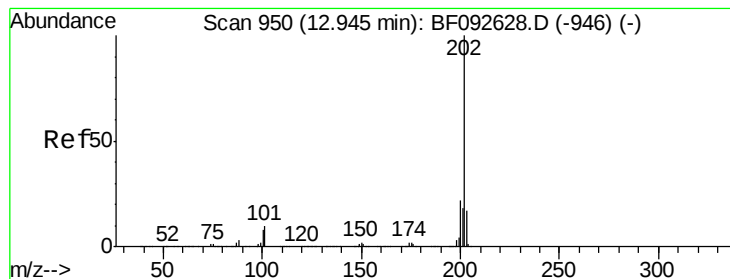
Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 240   | Resp: | 277029 |
| Ion | Ratio | Lower | Upper |        |
| 240 | 100   |       |       |        |
| 120 | 10.4  | 12.9  | 19.3# |        |
| 236 | 26.0  | 20.9  | 31.3  |        |





#77

Pyrene

Concen: 22.24 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

Instrument :

BNA\_F

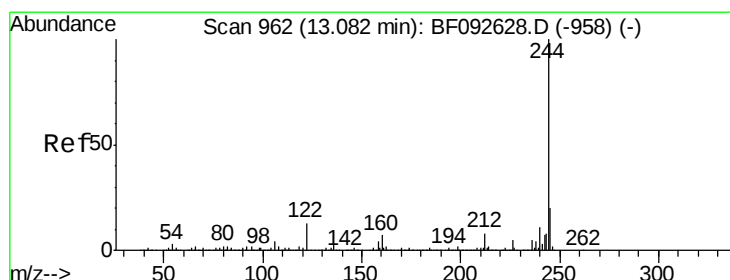
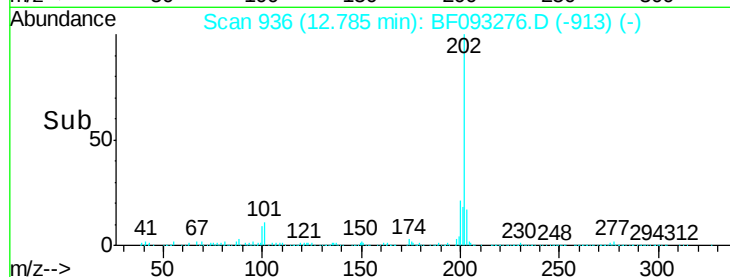
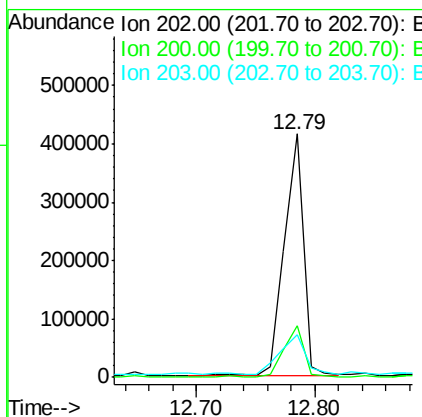
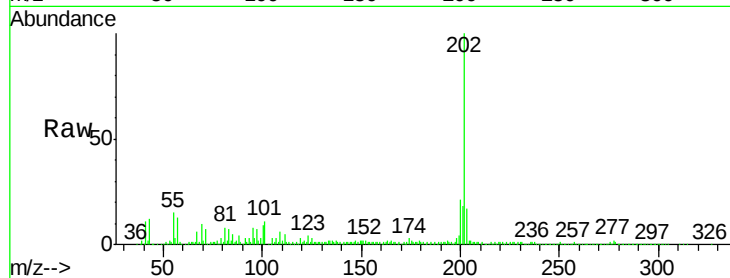
ClientSampleId :

E2B15-BASE-2

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp: | 461026 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 200 | 21.4  | 17.7  | 26.5  |        |
| 203 | 17.5  | 14.7  | 22.1  |        |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#78

Terphenyl-d14

Concen: 34.89 ng

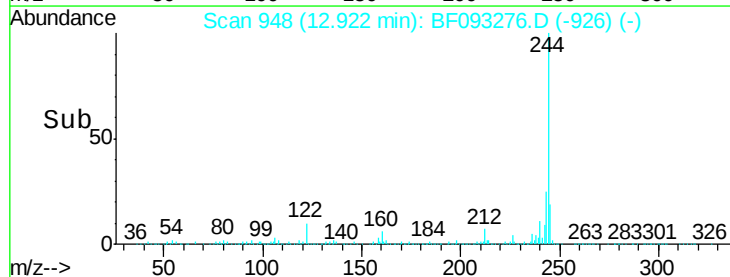
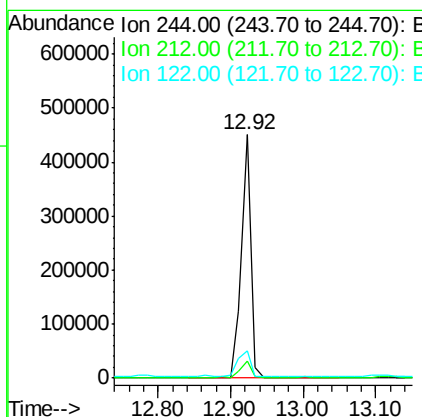
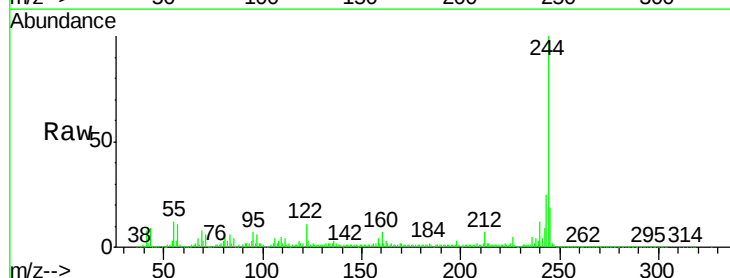
RT: 12.92 min Scan# 948

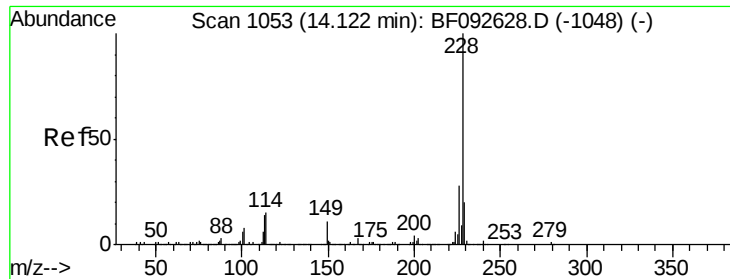
Delta R.T. -0.05 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 244   | Resp: | 411336 |
| Ion | Ratio | Lower | Upper |        |
| 244 | 100   |       |       |        |
| 212 | 7.2   | 6.2   | 9.2   |        |
| 122 | 11.1  | 11.4  | 17.2  |        |





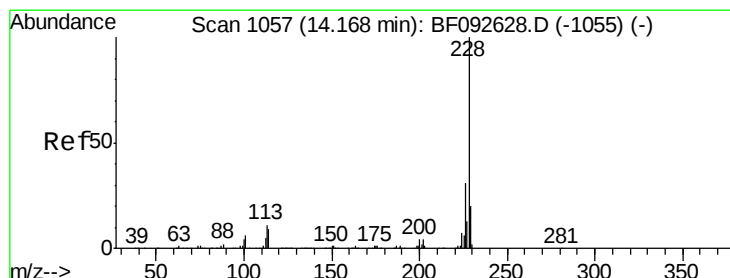
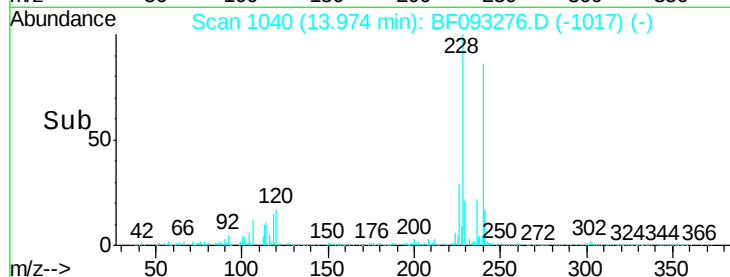
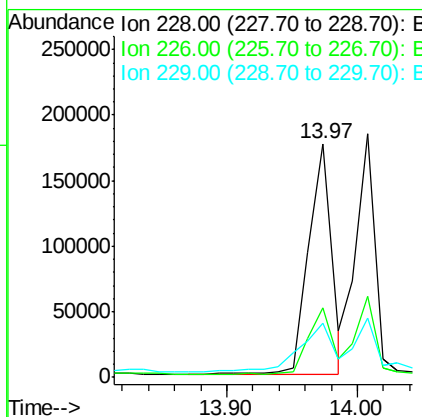
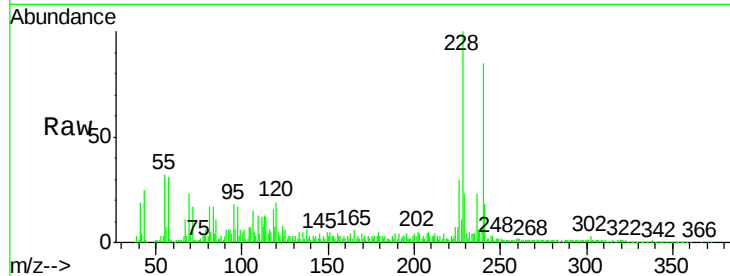
#80  
Benzo(a)anthracene  
Concen: 12.69 ng  
RT: 13.97 min Scan# 1040  
Delta R.T. -0.03 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 22.4  | 33.6  |
| 229     | 23.3  | 16.2  | 24.4  |

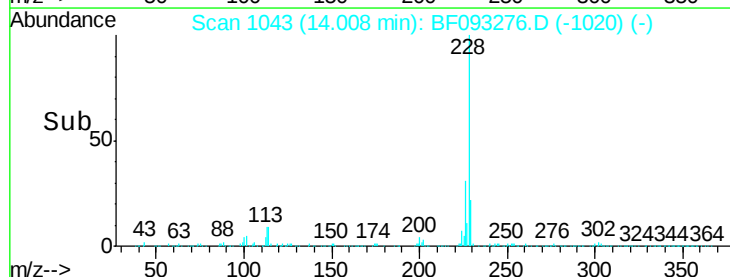
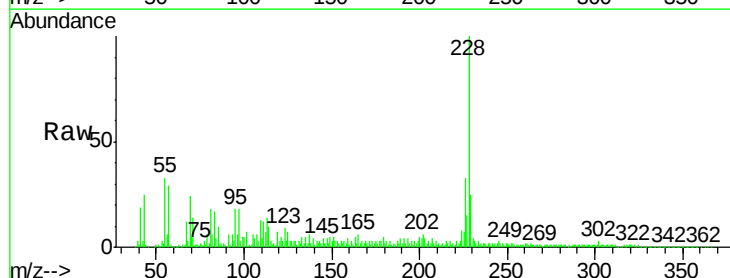
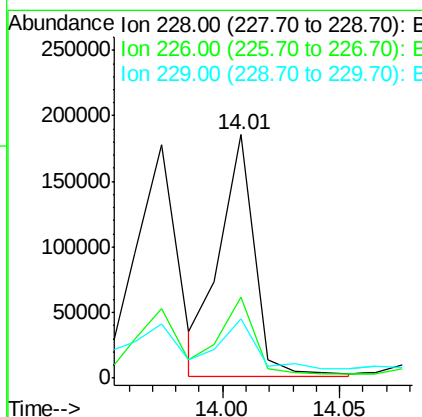
Manual Integrations  
APPROVED

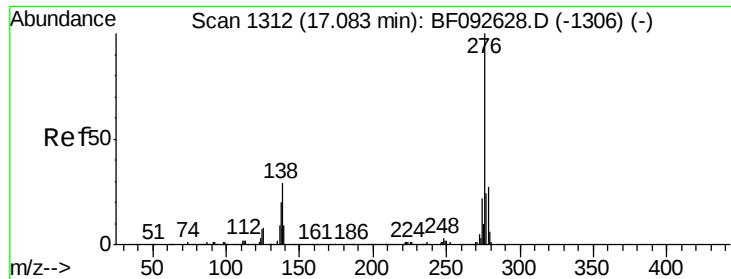
mohammad  
3/1/2017 4:08:59 PM



#82  
Chrysene  
Concen: 11.97 ng m  
RT: 14.01 min Scan# 1043  
Delta R.T. -0.03 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.3  | 25.4  | 38.0  |
| 229     | 24.6  | 16.2  | 24.2# |





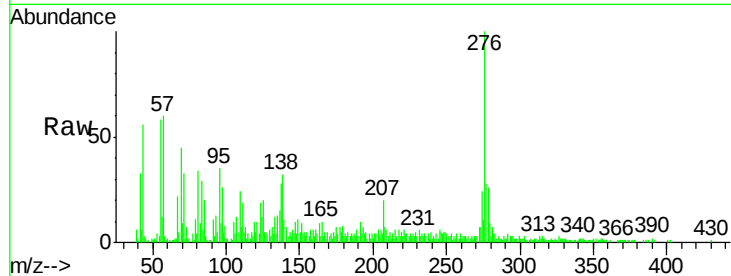
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 5.49 ng  
RT: 16.81 min Scan# 1288  
Delta R.T. -0.05 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.4  | 21.8  | 32.6  |
| 277     | 26.3  | 20.2  | 30.4  |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM

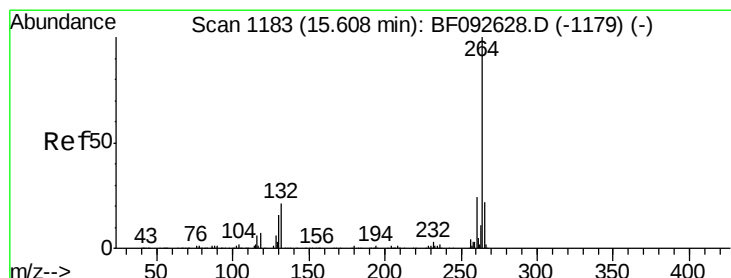
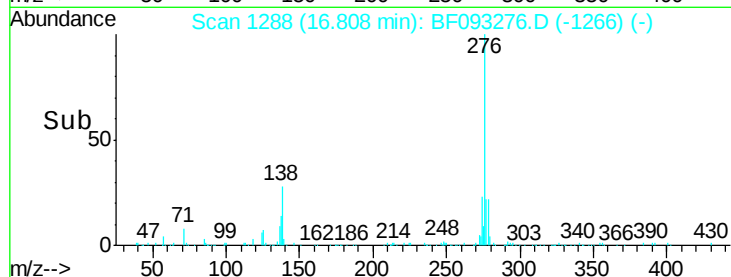
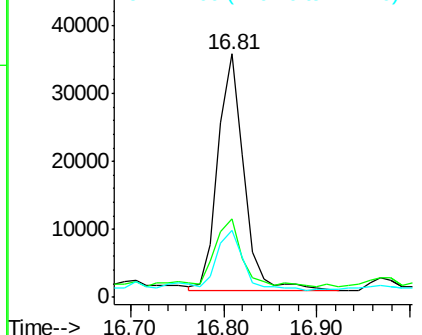


Abundance

Ion 276.00 (275.70 to 276.70): E

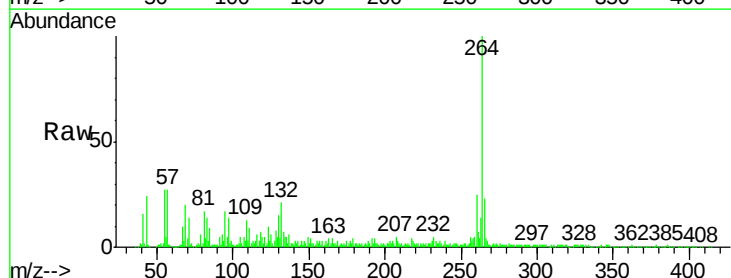
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.41 min Scan# 1166  
Delta R.T. -0.03 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 19.2  | 28.8  |
| 265     | 22.9  | 17.4  | 26.0  |

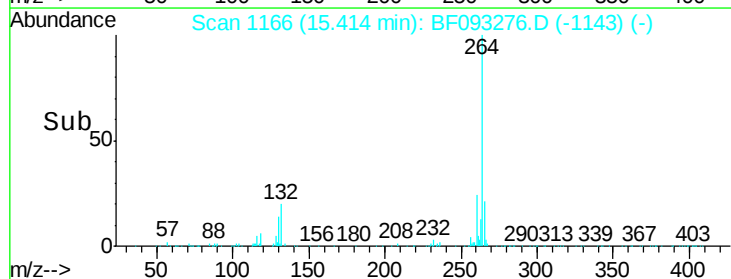
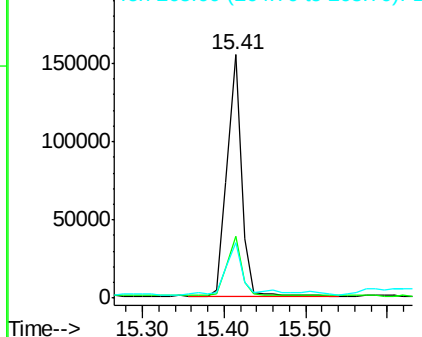


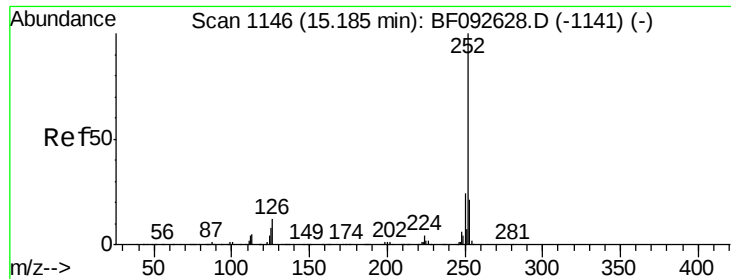
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.28 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

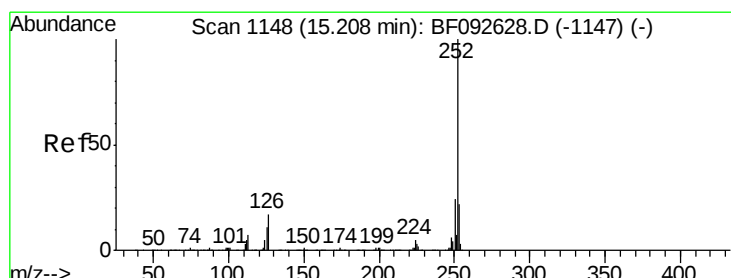
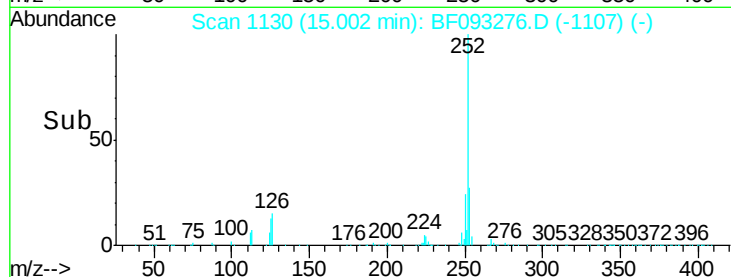
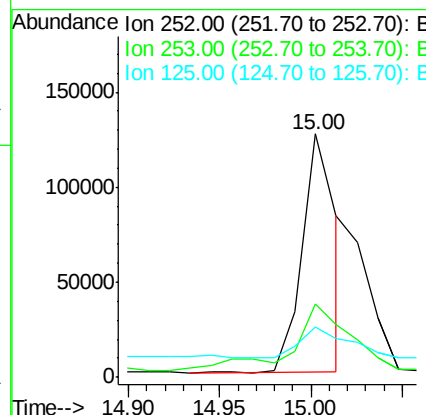
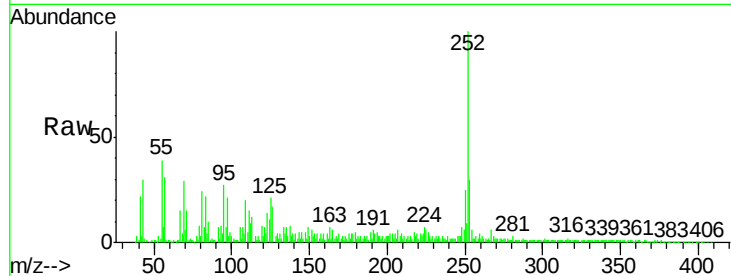
Instrument :  
BNA\_F

ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.3  | 18.2  | 27.4# |
| 125     | 20.9  | 9.8   | 14.6# |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM



#88

Benzo(k)fluoranthene

Concen: 6.65 ng m

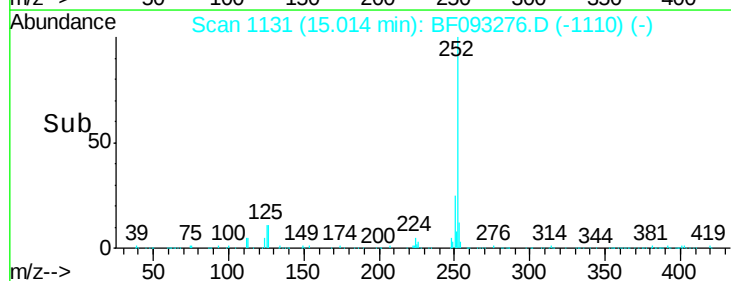
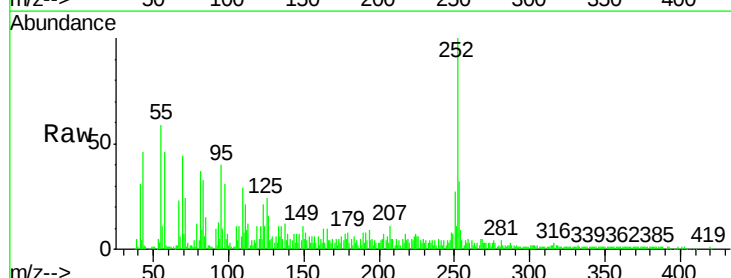
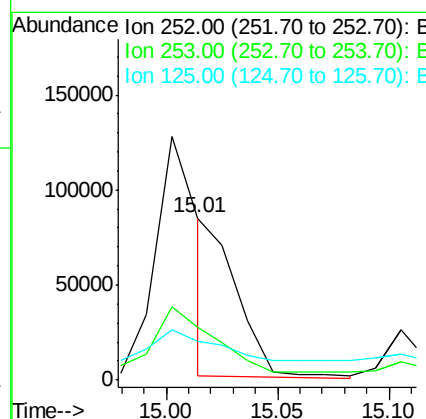
RT: 15.01 min Scan# 1131

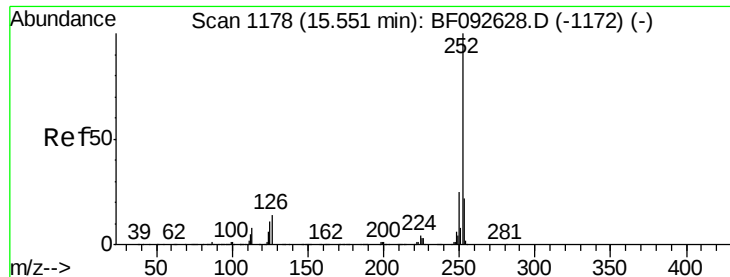
Delta R.T. -0.06 min

Lab File: BF093276.D

Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 32.4  | 18.5  | 27.7# |
| 125     | 24.3  | 8.9   | 13.3# |





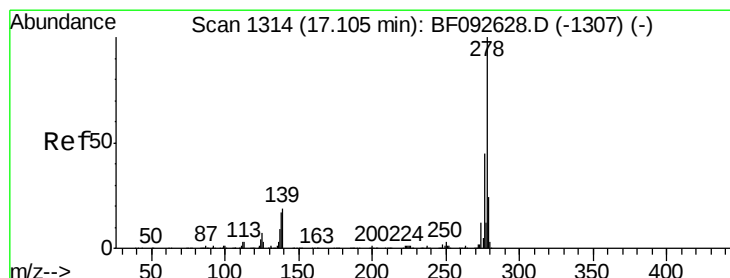
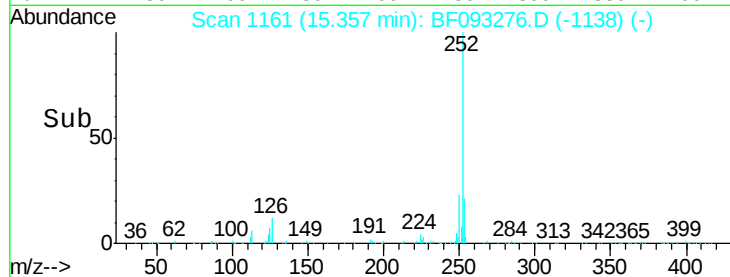
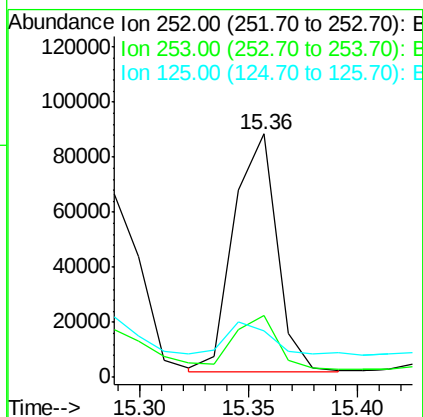
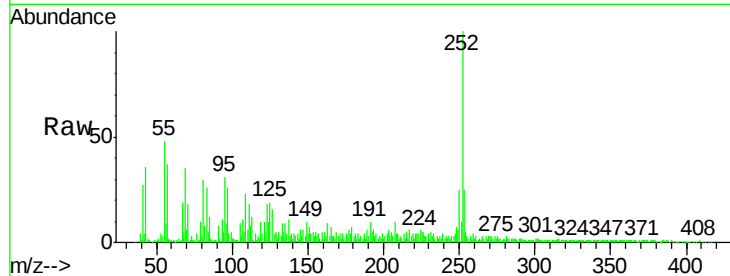
#89  
Benzo(a)pyrene  
Concen: 10.98 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. -0.03 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 18.2  | 27.2  |
| 125     | 19.2  | 10.0  | 15.0  |

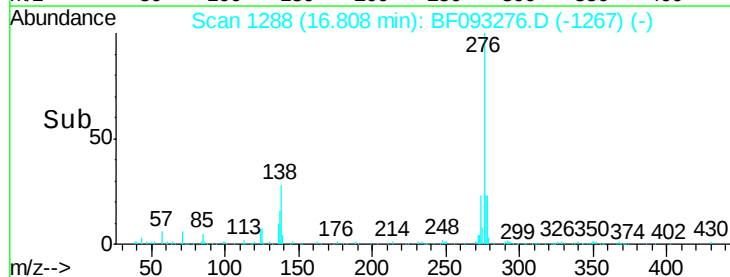
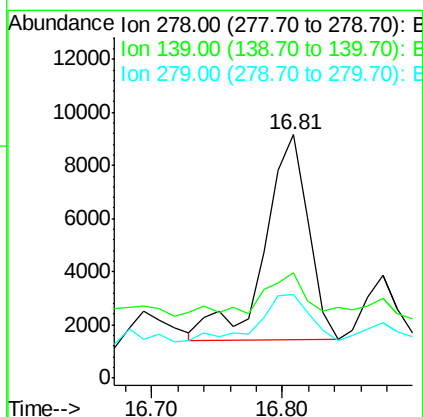
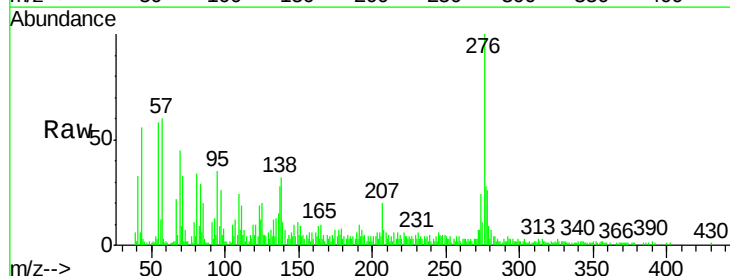
Manual Integrations  
APPROVED

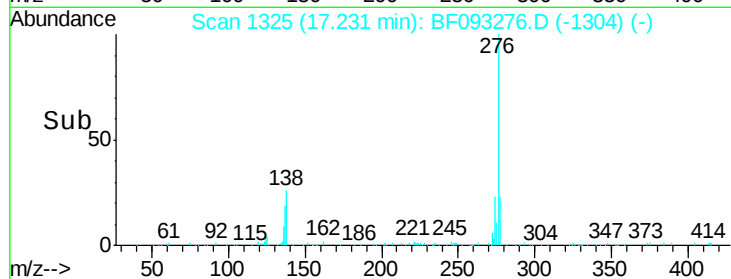
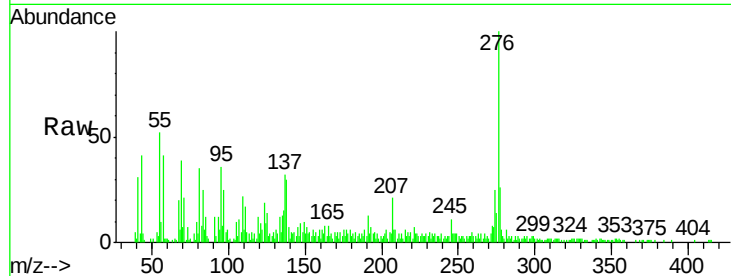
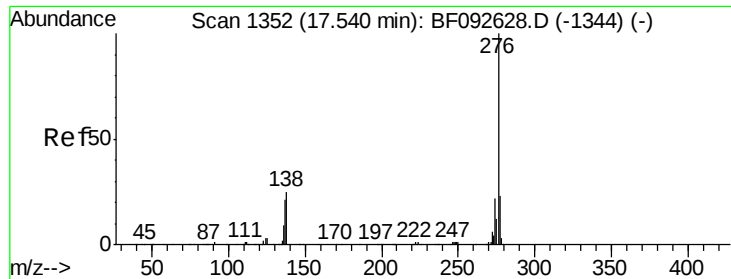
mohammad  
3/1/2017 4:08:59 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 2.07 ng  
RT: 16.81 min Scan# 1288  
Delta R.T. -0.06 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 43.1  | 14.8  | 22.2  |
| 279     | 34.5  | 19.8  | 29.6  |





#91  
Benzo(g,h,i)perylene  
Concen: 7.67 ng  
RT: 17.23 min Scan# 1325  
Delta R.T. -0.06 min  
Lab File: BF093276.D  
Acq: 1 Mar 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
E2B15-BASE-2

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 25.8  | 19.2       | 28.8       |
| 138     | 30.3  | 16.0       | 24.0       |

Manual Integrations  
APPROVED

mohammad  
3/1/2017 4:08:59 PM

