

Data Path : U:\HPCHEM1\BNA E\DATA\BE082217\  
 Data File : BE093872.D  
 Acq On : 22 Aug 2017 12:54  
 Operator : SJ/JU  
 Sample : PB101705BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB101705BS

Manual Integrations  
 APPROVED

Sohil  
 8/23/2017 3:00:35 PM

Quant Time: Aug 23 01:37:27 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 14:30:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 1695     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.71 | 136  | 7457     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 3883     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 8716     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 12886    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.93 | 264  | 11050    | 0.40 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.51  | 112  | 1877     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.10  | 99   | 2441     | 0.29 | ng    | 0.01     |
| 8) Nitrobenzene-d5          | 9.06  | 82   | 2209     | 0.35 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152  | 4289     | 0.36 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 377      | 0.35 | ng    | 0.03     |
| 15) 2-Fluorobiphenyl        | 13.16 | 172  | 5091     | 0.33 | ng    | 0.02     |
| 25) Fluoranthene-d10        | 19.28 | 212  | 45122    | 0.45 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 9888     | 0.43 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88   | 776      | 0.304 | ng    | # 31   |
| 3) n-Nitrosodimethylamine      | 3.75  | 42   | 870      | 0.328 | ng    | 93     |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93   | 1882     | 0.290 | ng    | # 96   |
| 9) Naphthalene                 | 10.76 | 128  | 25211    | 0.295 | ng    | 99     |
| 10) Hexachlorobutadiene        | 11.04 | 225  | 953      | 0.300 | ng    | 97     |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 4246     | 0.294 | ng    | 96     |
| 16) Acenaphthylene             | 14.24 | 152  | 5883     | 0.301 | ng    | # 88   |
| 17) Acenaphthene               | 14.58 | 154  | 3908     | 0.297 | ng    | 99     |
| 18) Fluorene                   | 15.56 | 166  | 5322     | 0.313 | ng    | # 87   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 1248     | 0.506 | ng    | # 74   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 1027     | 0.390 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.94 | 266  | 818      | 0.444 | ng    | 92     |
| 23) Phenanthrene               | 17.30 | 178  | 7315     | 0.394 | ng    | 99     |
| 24) Anthracene                 | 17.37 | 178  | 8421m    | 0.299 | ng    |        |
| 26) Fluoranthene               | 19.31 | 202  | 11900    | 0.391 | ng    | 98     |
| 28) Pyrene                     | 19.67 | 202  | 12303    | 0.291 | ng    | # 97   |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 11874    | 0.290 | ng    | 96     |
| 31) Chrysene                   | 21.45 | 228  | 12688    | 0.304 | ng    | 92     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 29064    | 0.332 | ng    | 98     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.59 | 276  | 10296    | 0.256 | ng    | 93     |
| 35) Benzo(b)fluoranthene       | 23.16 | 252  | 10392    | 0.271 | ng    | 96     |
| 36) Benzo(k)fluoranthene       | 23.21 | 252  | 12330m   | 0.322 | ng    |        |
| 37) Benzo(a)pyrene             | 23.82 | 252  | 10942    | 0.303 | ng    | 96     |
| 38) Dibenzo(a,h)anthracene     | 26.61 | 278  | 8491     | 0.251 | ng    | 95     |
| 39) Benzo(g,h,i)perylene       | 27.40 | 276  | 9081     | 0.267 | ng    | 96     |

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

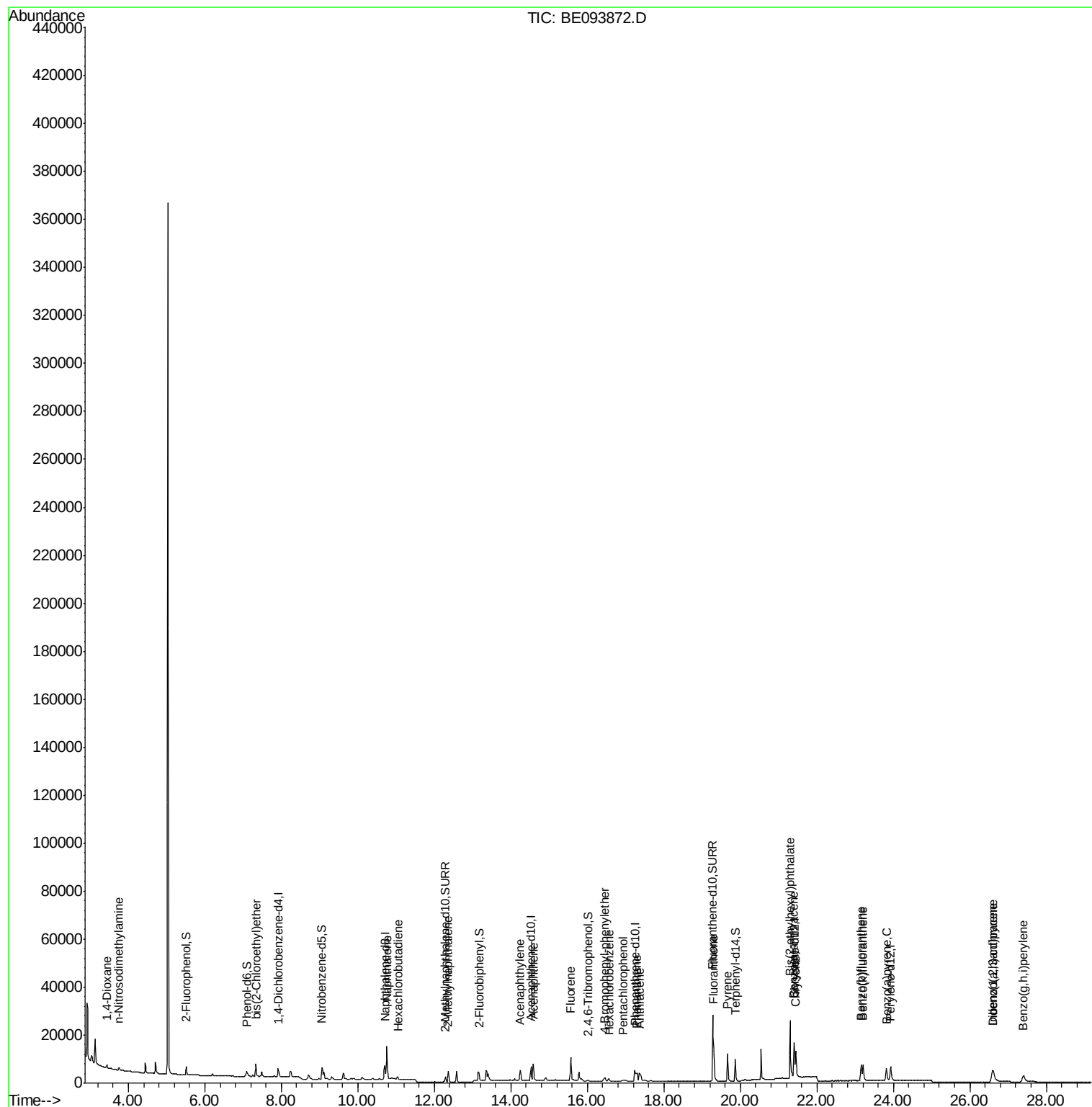
Data Path : U:\HPCHEM1\BNA E\DATA\BE082217\  
Data File : BE093872.D  
Acq On : 22 Aug 2017 12:54  
Operator : SJ/JU  
Sample : PB101705BS  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

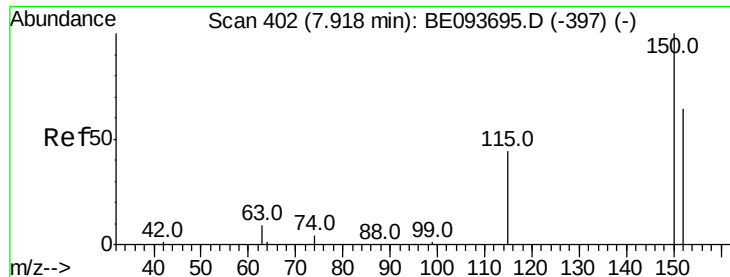
Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM

Quant Time: Aug 23 01:37:27 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 07 14:30:21 2017  
Response via : Initial Calibration





#1

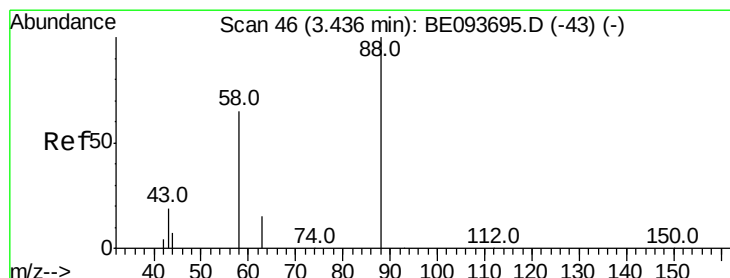
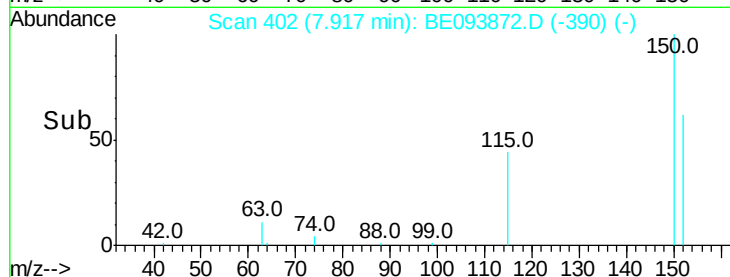
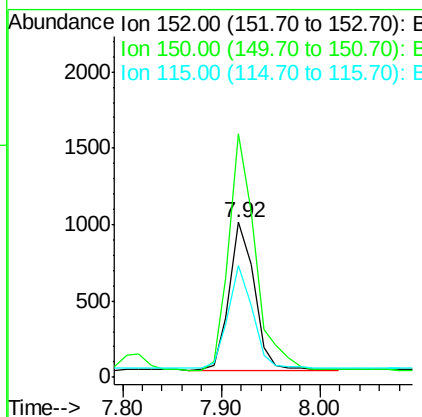
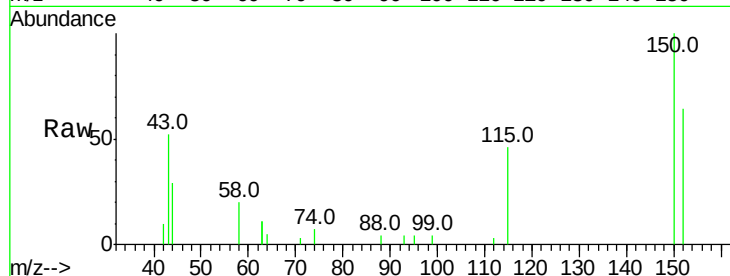
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. -0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 125.1 | 187.7 |
| 115     | 72.4  | 55.7  | 83.5  |

Manual Integrations  
APPROVED

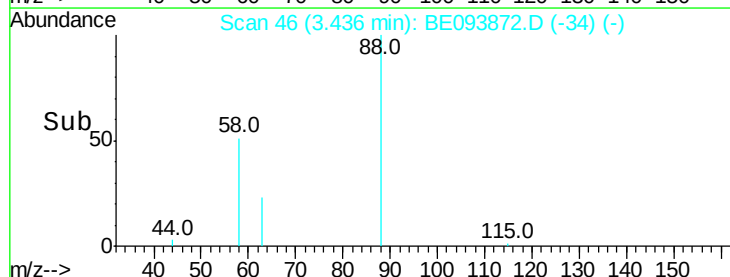
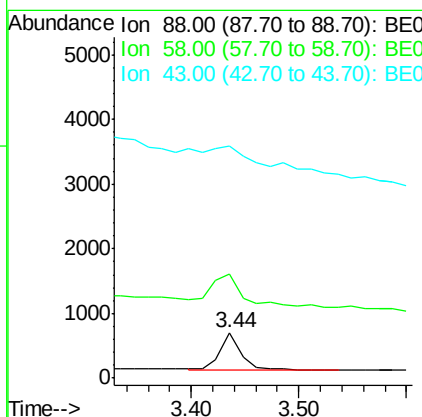
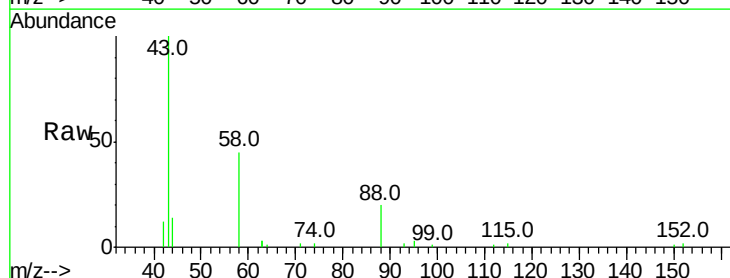
Sohil  
8/23/2017 3:00:35 PM

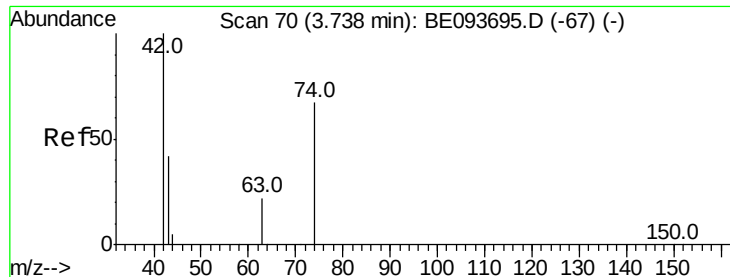


#2

1,4-Dioxane  
Concen: 0.304 ng  
RT: 3.44 min Scan# 46  
Delta R.T. -0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 142.5 | 62.2  | 93.4# |
| 43      | 0.0   | 23.2  | 34.8# |





#3

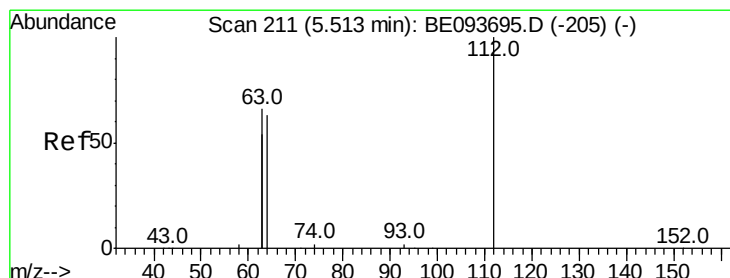
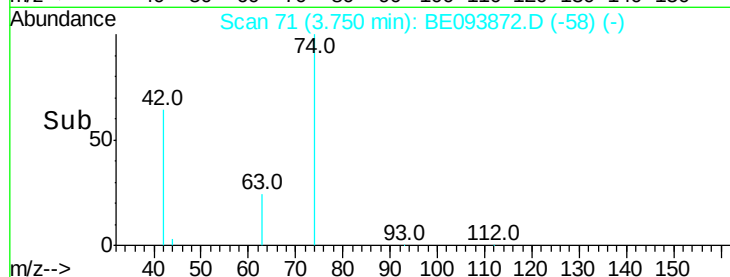
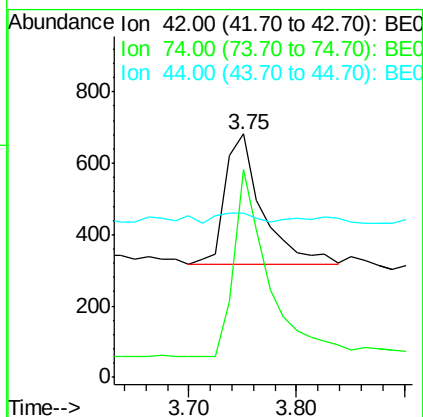
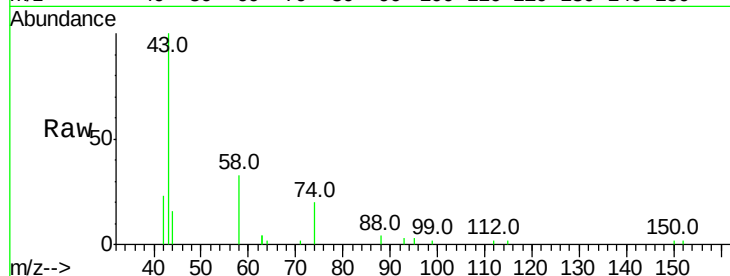
n-Nitrosodimethylamine  
Concen: 0.328 ng  
RT: 3.75 min Scan# 71  
Delta R.T. 0.01 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 132.5 | 99.1  | 148.7 |
| 44      | 7.9   | 7.4   | 11.2  |

Manual Integrations  
APPROVED

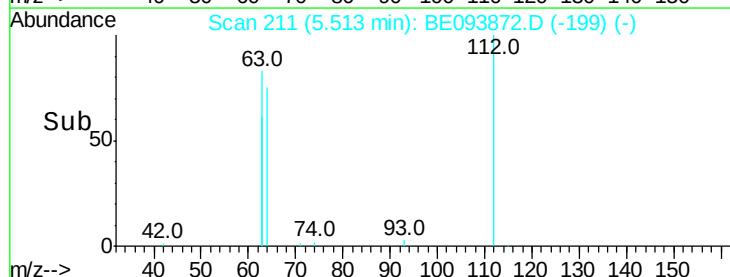
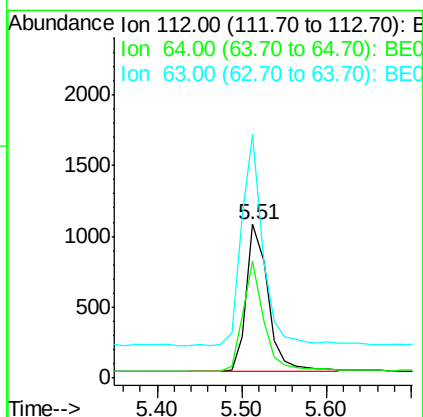
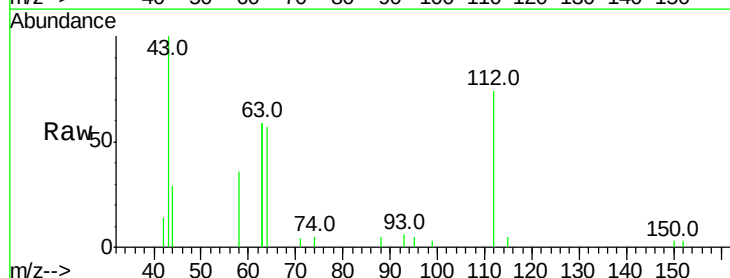
Sohil  
8/23/2017 3:00:35 PM

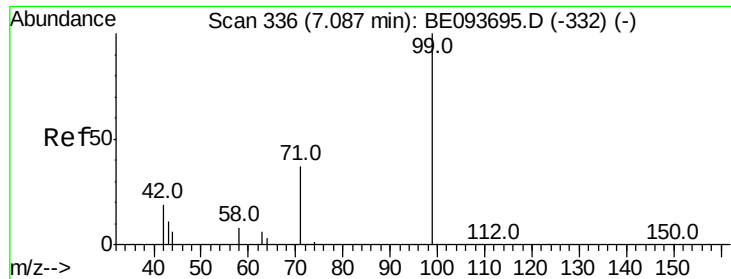


#4

2-Fluorophenol  
Concen: 0.342 ng  
RT: 5.51 min Scan# 211  
Delta R.T. -0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.5  | 56.4  | 84.6  |
| 63      | 141.7 | 29.3  | 43.9  |





#5

Phenol-d6

Concen: 0.292 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

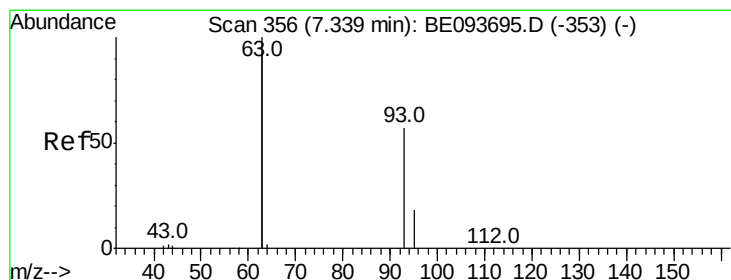
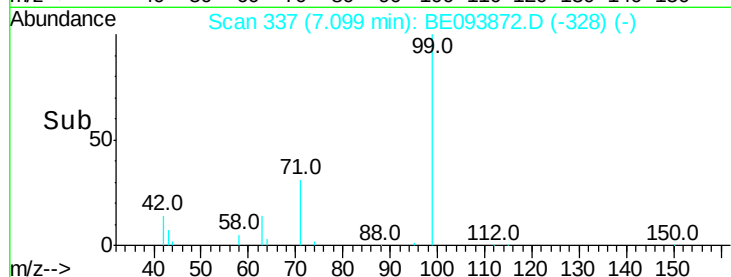
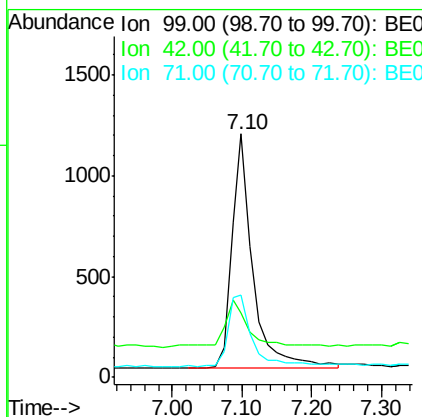
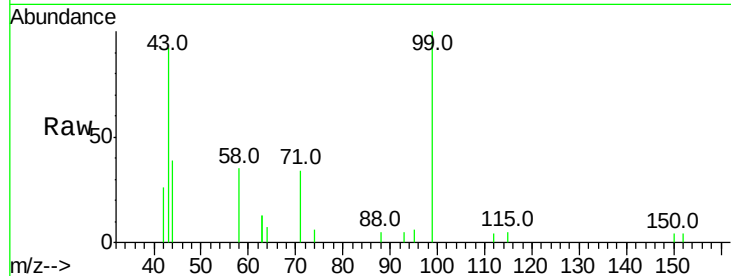
ClientSampleId :

PB101705BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 99    | Resp: | 2441 |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 21.7  | 0.0   | 0.0# |
| 71        | 35.2  | 0.0   | 0.0# |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.290 ng

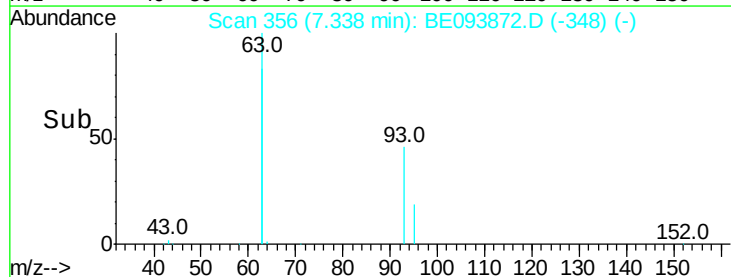
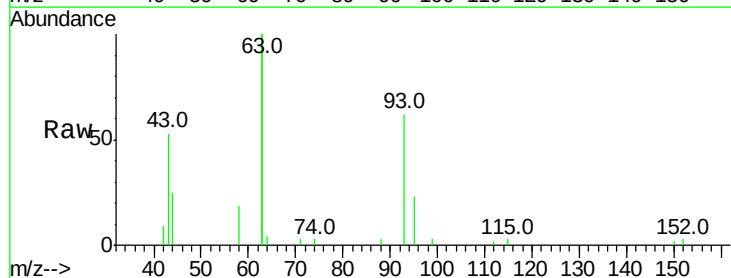
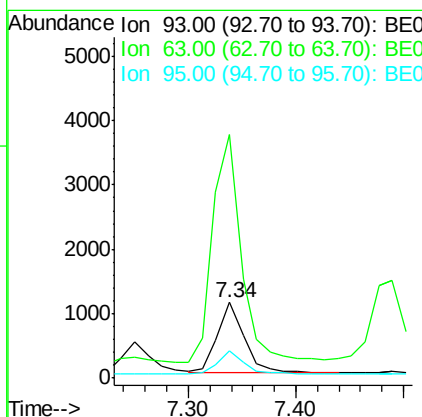
RT: 7.34 min Scan# 356

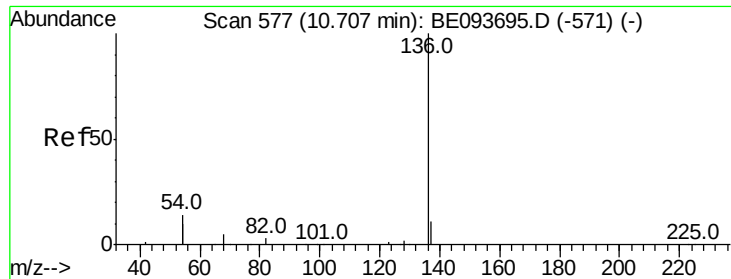
Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 93    | Resp: | 1882 |
| Ion Ratio | Lower | Upper |      |
| 93        | 100   |       |      |
| 63        | 343.5 | 0.0   | 0.0# |
| 95        | 34.0  | 25.4  | 38.0 |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

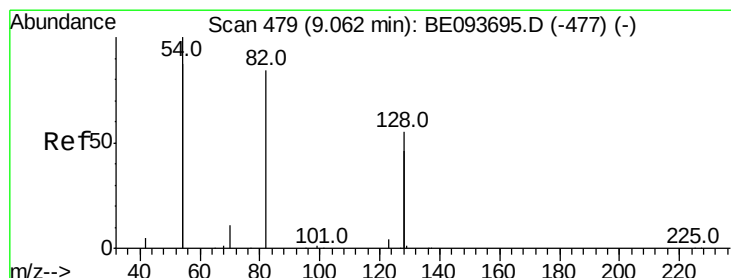
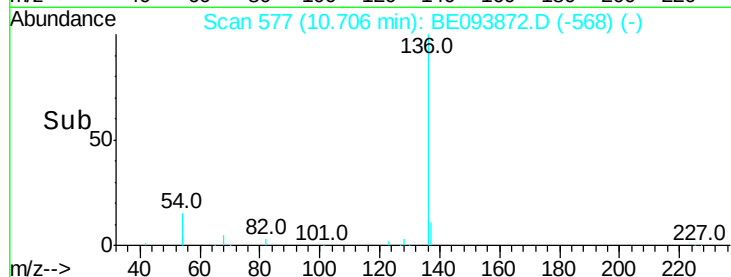
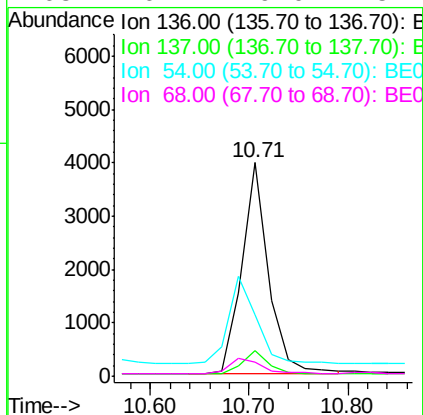
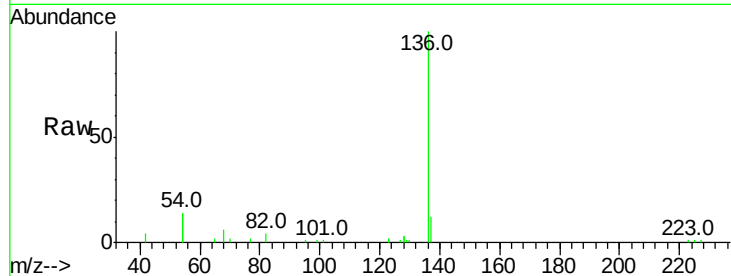
ClientSampleId :

PB101705BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   | 7457 |       |       |
| 137     | 11.9  |      | 9.8   | 14.8  |
| 54      | 28.7  |      | 10.3  | 15.5# |
| 68      | 6.4   |      | 9.0   | 13.4# |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#8

Nitrobenzene-d5

Concen: 0.346 ng

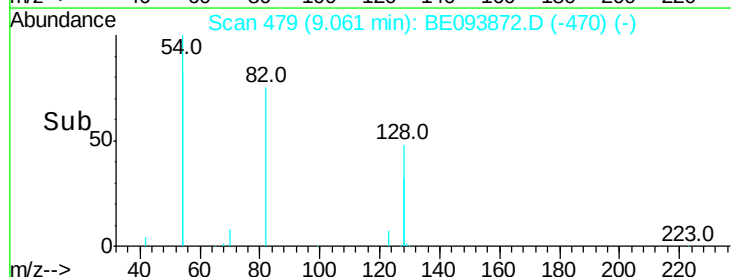
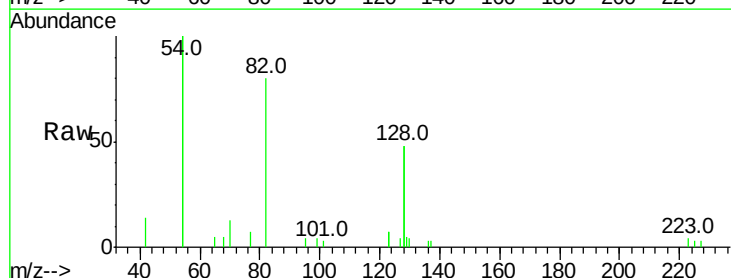
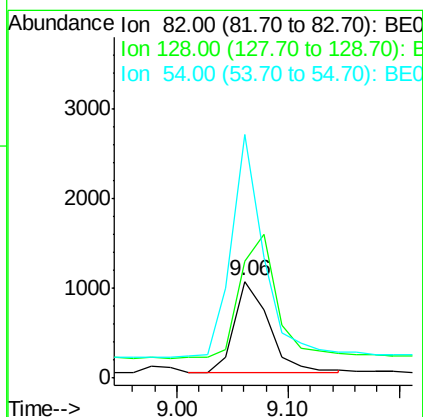
RT: 9.06 min Scan# 479

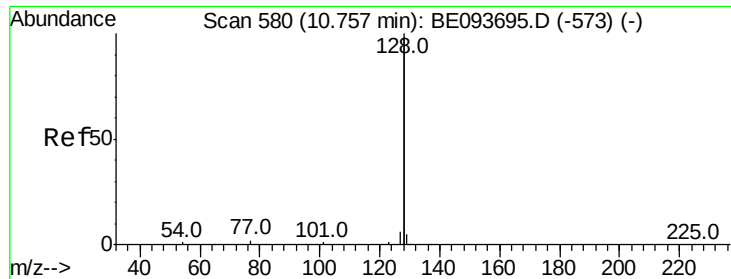
Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 2209 |       |       |
| 128     | 121.2 |      | 17.0  | 25.4# |
| 54      | 251.3 |      | 53.8  | 80.6# |





#9

Naphthalene

Concen: 0.295 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

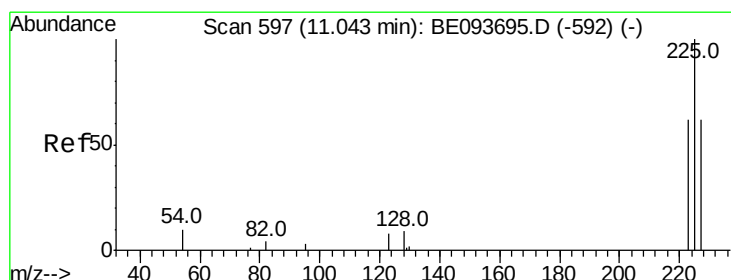
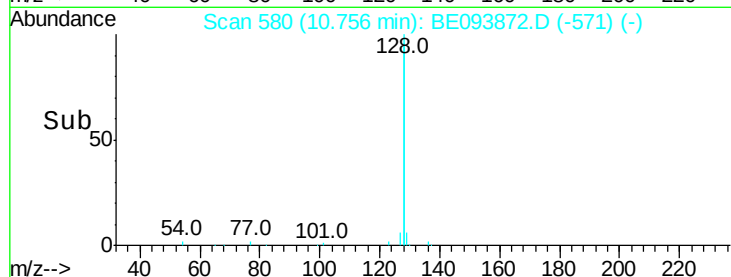
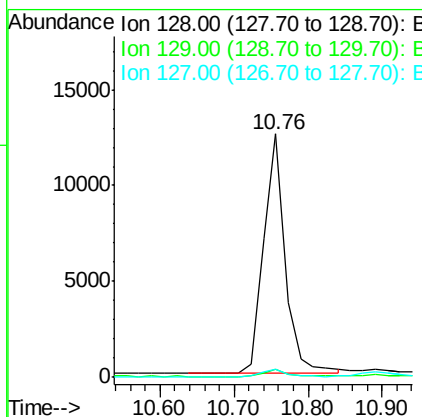
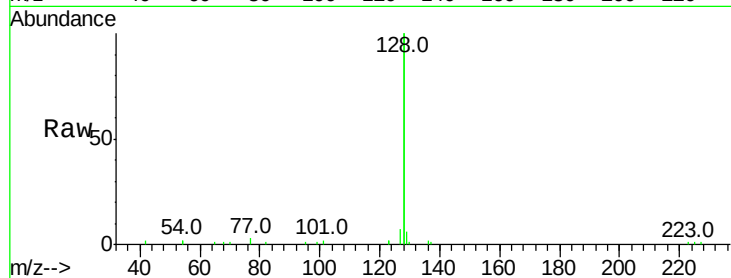
ClientSampleId :

PB101705BS

|             |       |       |
|-------------|-------|-------|
| Tot Ion:128 | Resp: | 25211 |
| Ion Ratio   | Lower | Upper |
| 128 100     |       |       |
| 129 3.2     | 2.4   | 3.6   |
| 127 3.4     | 2.4   | 3.6   |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#10

Hexachlorobutadiene

Concen: 0.300 ng

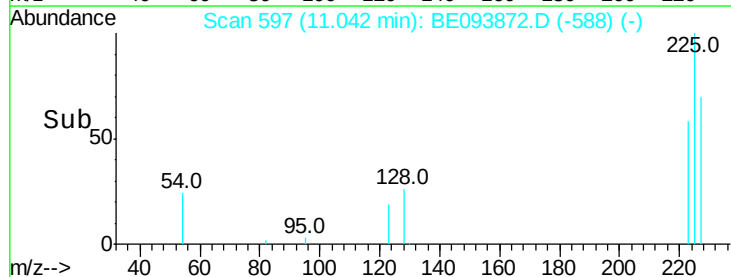
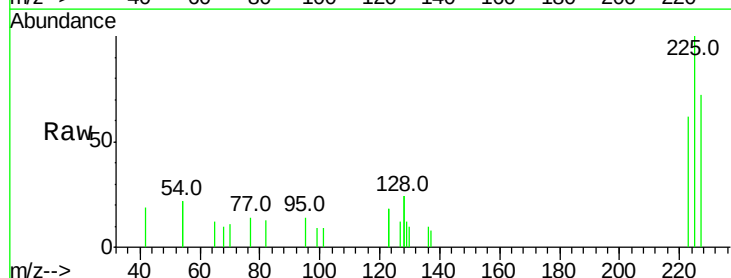
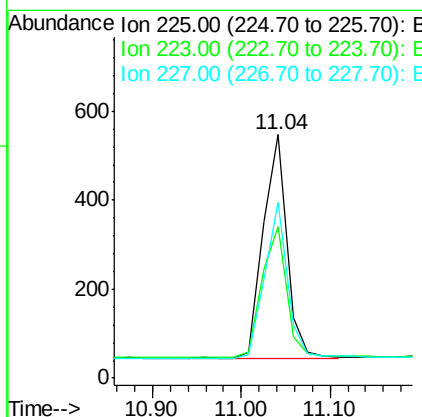
RT: 11.04 min Scan# 597

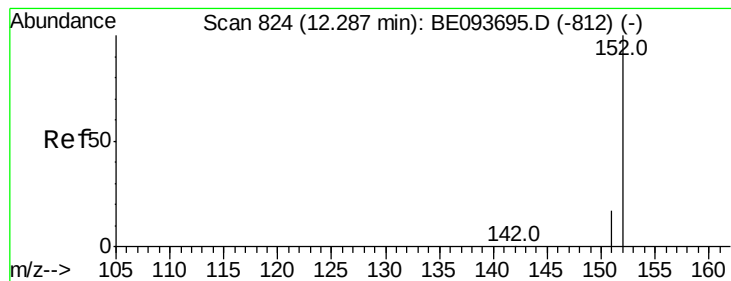
Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:225 | Resp: | 953   |
| Ion Ratio   | Lower | Upper |
| 225 100     |       |       |
| 223 61.0    | 49.7  | 74.5  |
| 227 66.6    | 50.3  | 75.5  |





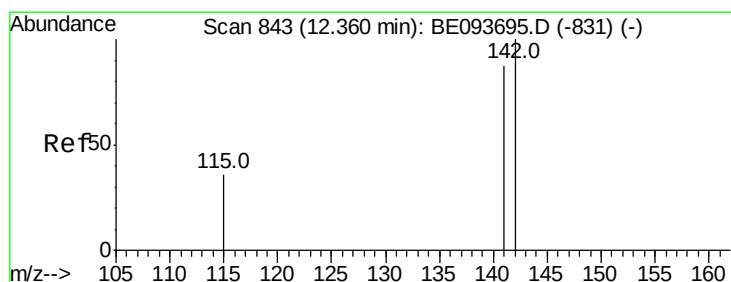
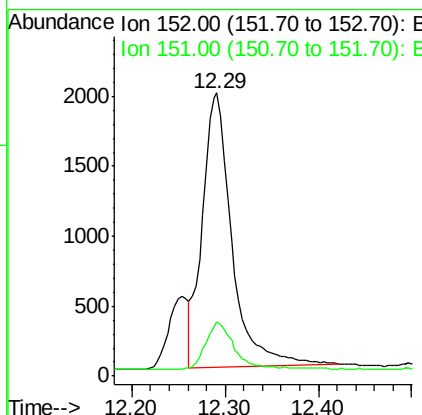
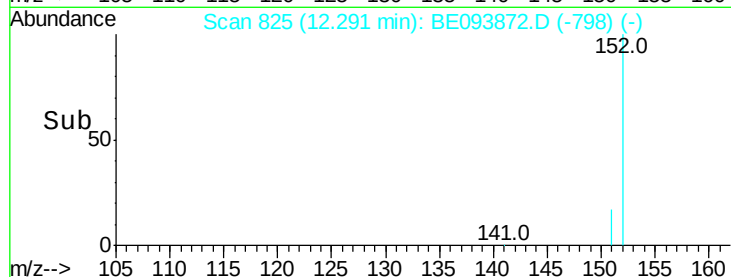
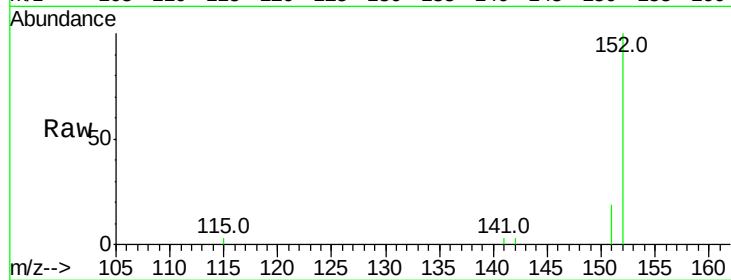
#11  
2-Methylnaphthalene-d10  
Concen: 0.358 ng  
RT: 12.29 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

Tot Ion:152 Resp: 4289  
Ion Ratio Lower Upper  
152 100  
151 16.9 15.1 22.7

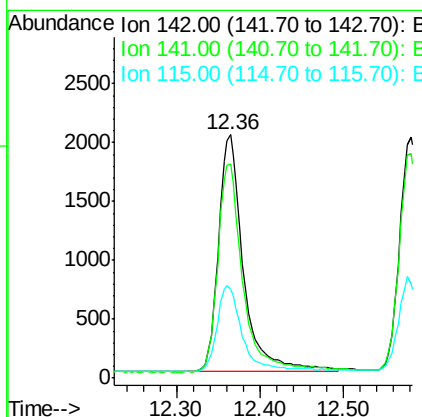
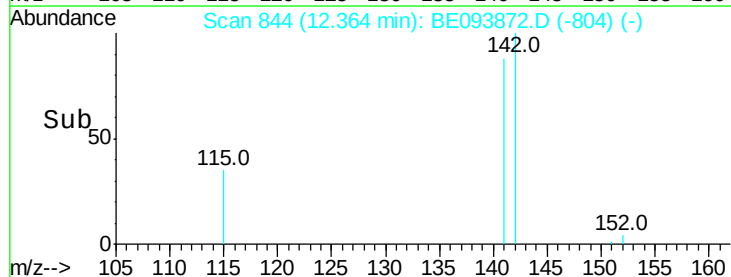
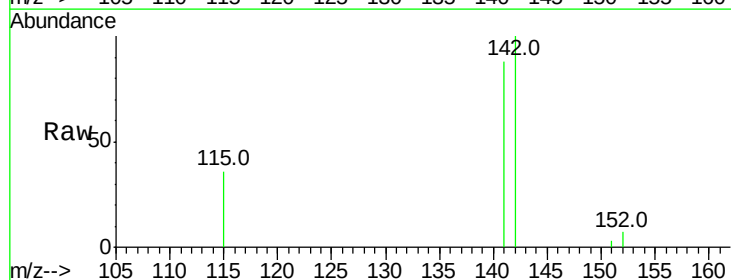
Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM

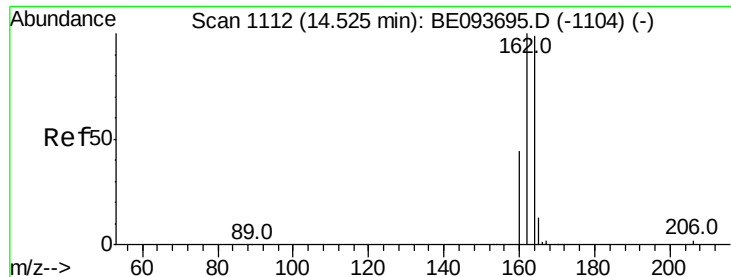


#12  
2-Methylnaphthalene  
Concen: 0.294 ng  
RT: 12.36 min Scan# 844  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Tgt Ion:142 Resp: 4246  
Ion Ratio Lower Upper  
142 100  
141 88.0 72.6 108.8  
115 36.4 32.2 48.2







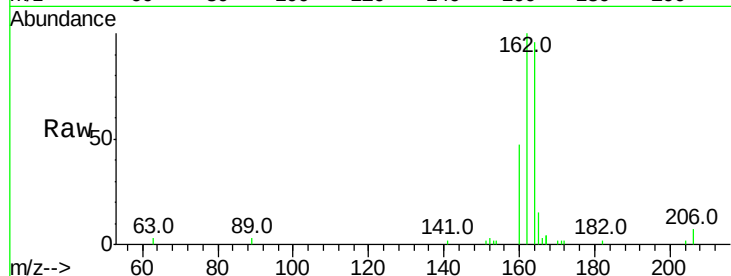
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.53 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.7 | 84.6  | 127.0 |
| 160     | 48.9  | 41.8  | 62.6  |

Manual Integrations  
 APPROVED

Sohil  
 8/23/2017 3:00:35 PM

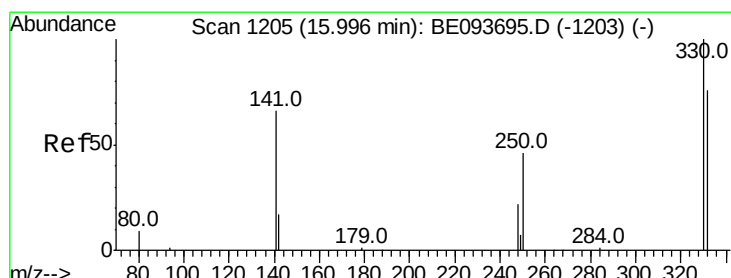
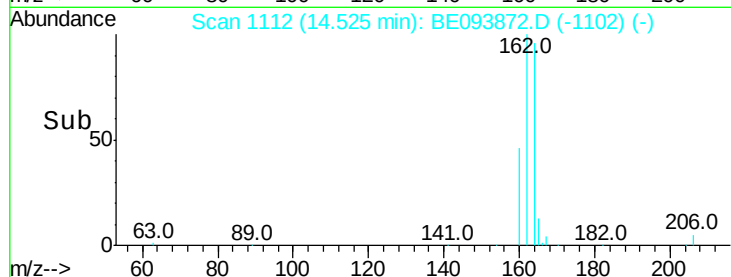
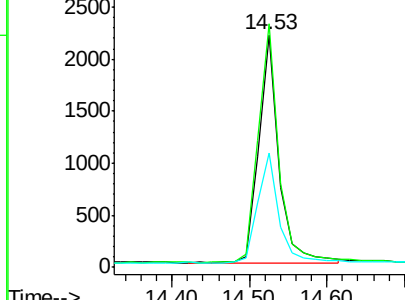


Abundance

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



#14  
 2,4,6-Tribromophenol  
 Concen: 0.354 ng  
 RT: 16.03 min Scan# 1206  
 Delta R.T. 0.03 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

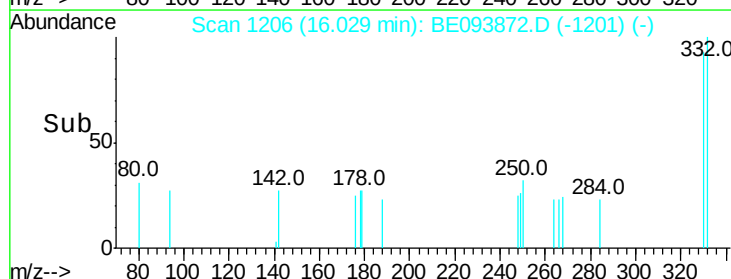
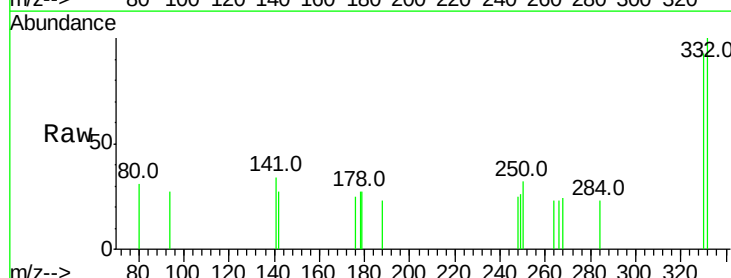
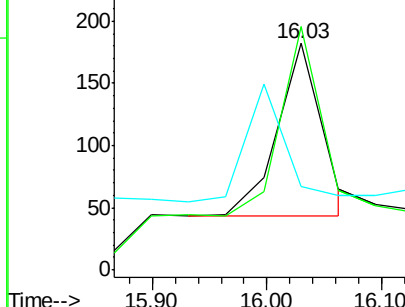
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.5 | 77.7  | 116.5 |
| 141     | 0.0   | 56.2  | 84.4# |

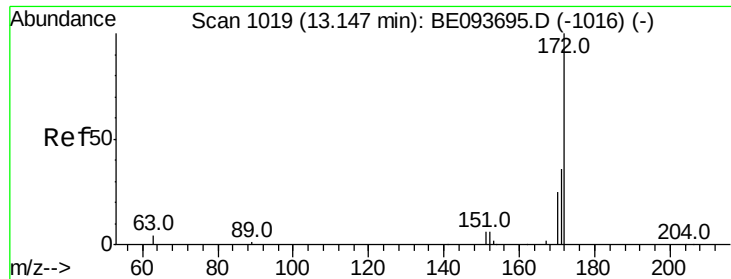
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





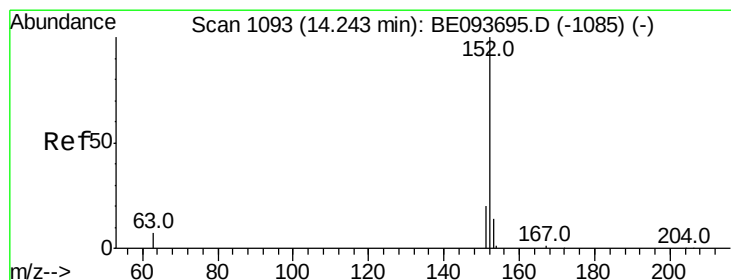
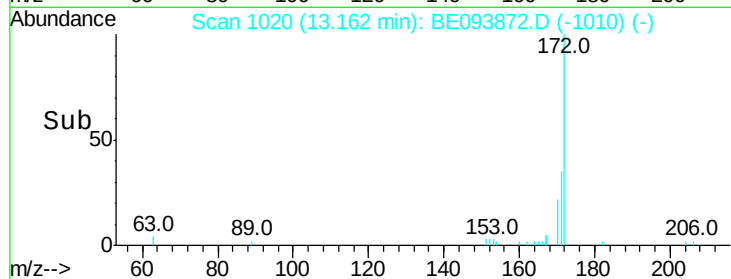
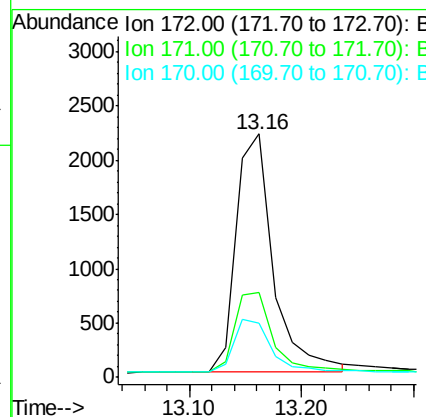
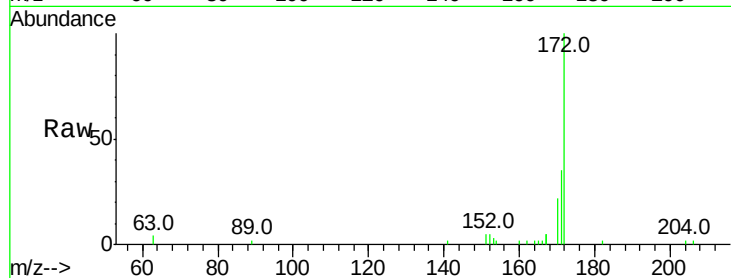
#15  
2-Fluorobiphenyl  
Concen: 0.332 ng  
RT: 13.16 min Scan# 1020  
Delta R.T. 0.02 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.8  | 44.6  |
| 170     | 22.2  | 20.7  | 31.1  |

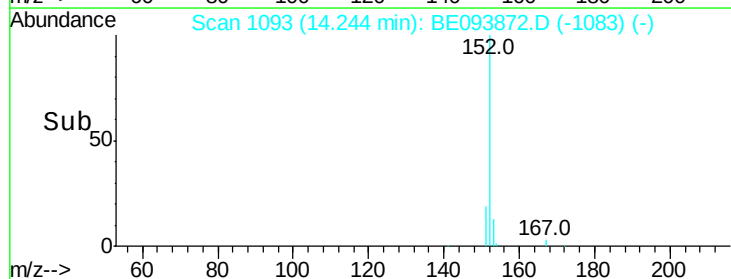
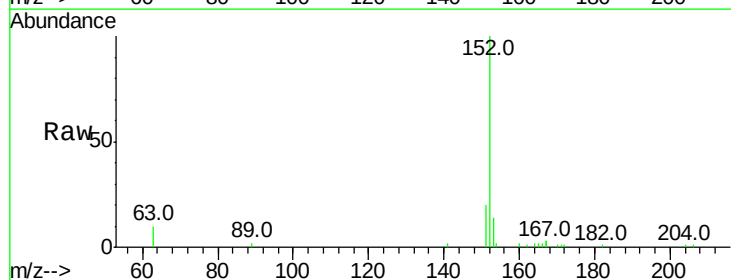
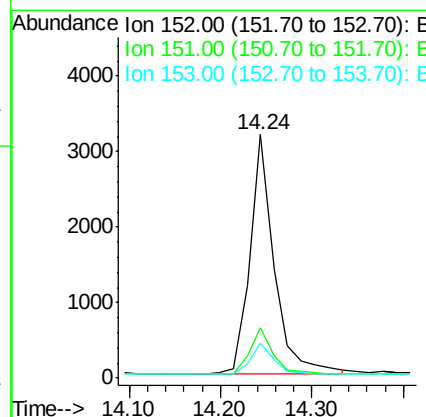
Manual Integrations  
APPROVED

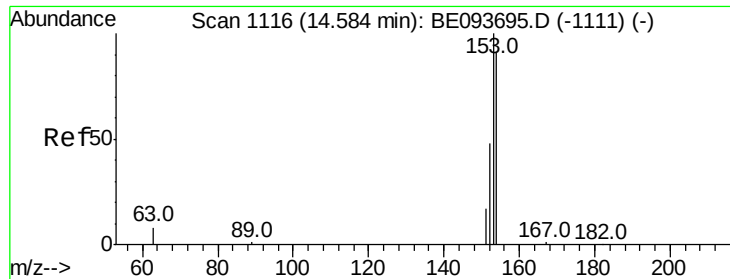
Sohil  
8/23/2017 3:00:35 PM



#16  
Acenaphthylene  
Concen: 0.301 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 4.0   | 6.0#  |
| 153     | 13.1  | 10.3  | 15.5  |





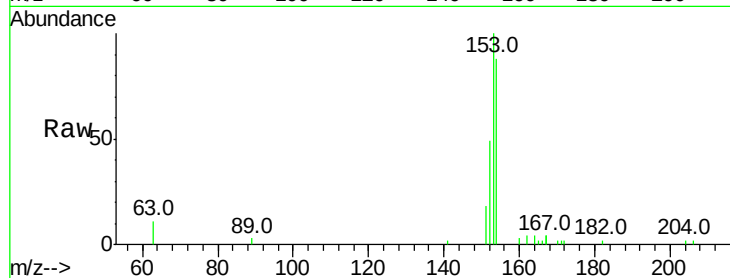
#17  
Acenaphthene  
Concen: 0.297 ng  
RT: 14.58 min Scan# 1116  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

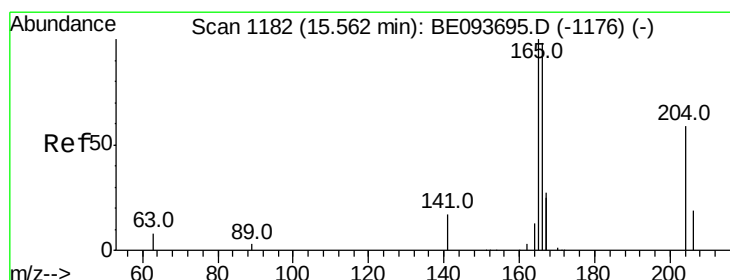
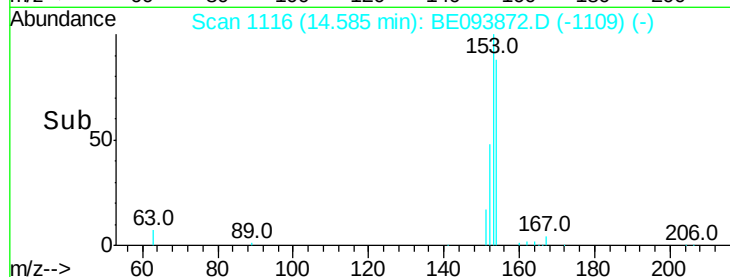
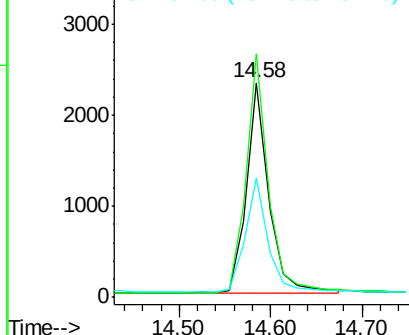
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.7 | 91.2  | 136.8 |
| 152     | 54.9  | 44.8  | 67.2  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



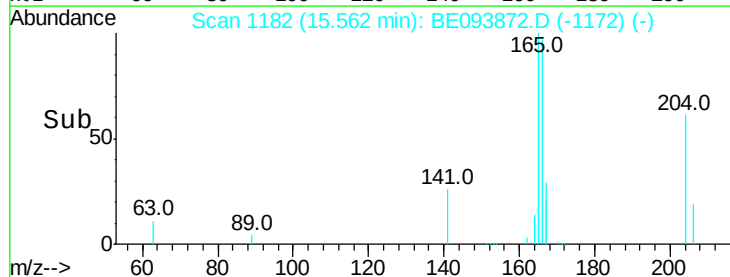
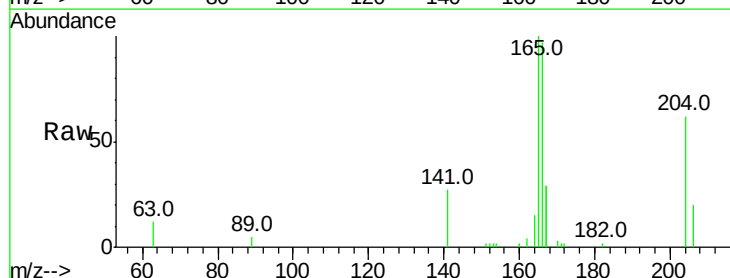
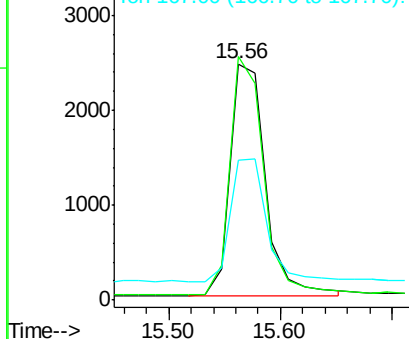
Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

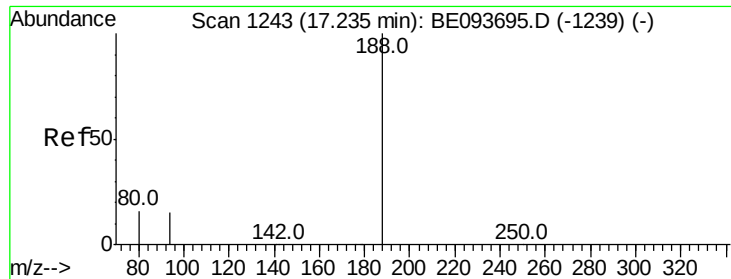


#18  
Fluorene  
Concen: 0.313 ng  
RT: 15.56 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.8  | 78.6  | 117.8 |
| 167     | 54.6  | 11.1  | 16.7# |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

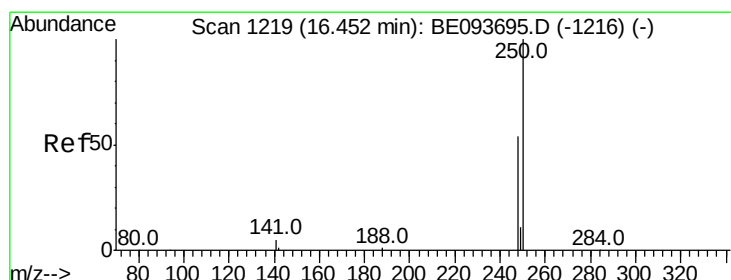
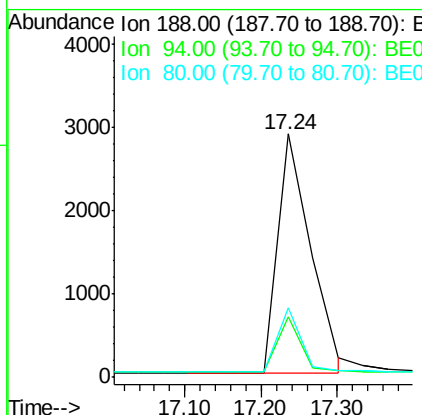
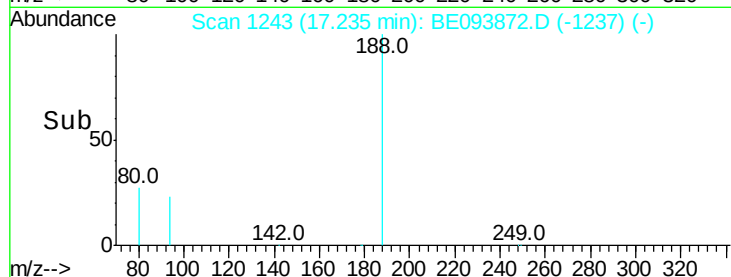
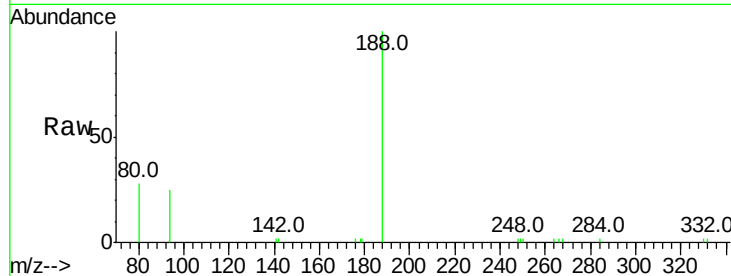
Instrument :  
BNA\_E

ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 24.7  | 11.3  | 16.9# |
| 80      | 28.5  | 11.7  | 17.5# |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#20

4-Bromophenyl-phenylether

Concen: 0.506 ng

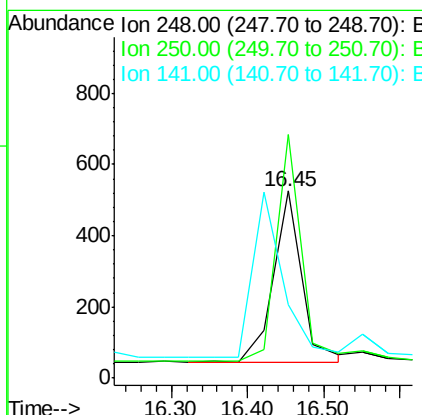
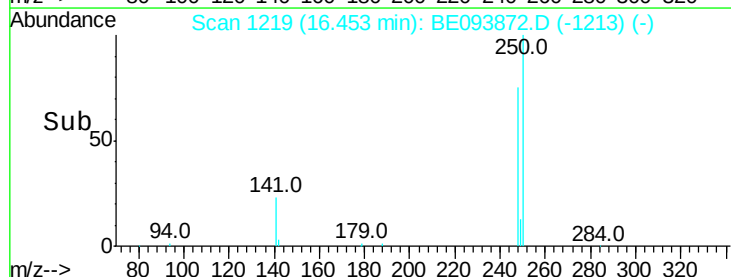
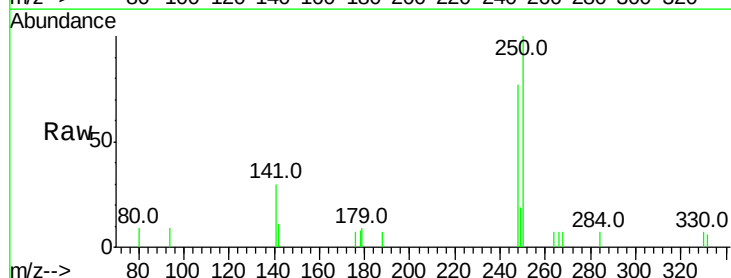
RT: 16.45 min Scan# 1219

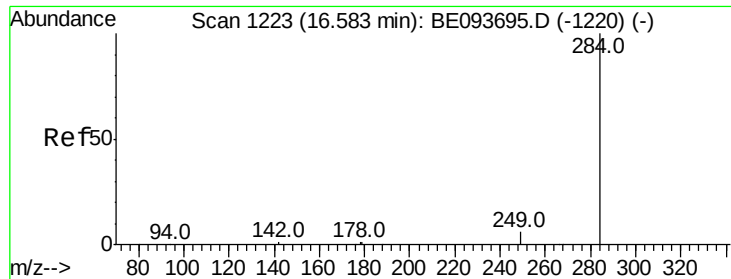
Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 130.3 | 128.0 | 192.0 |
| 141     | 39.2  | 12.0  | 18.0# |





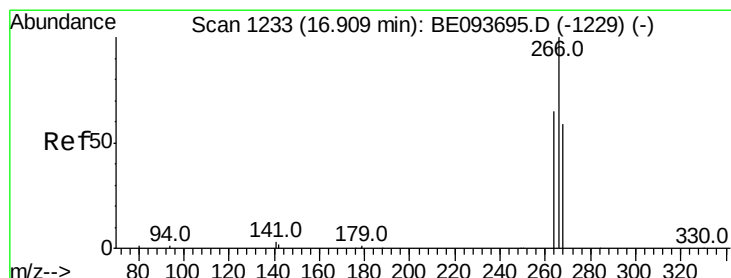
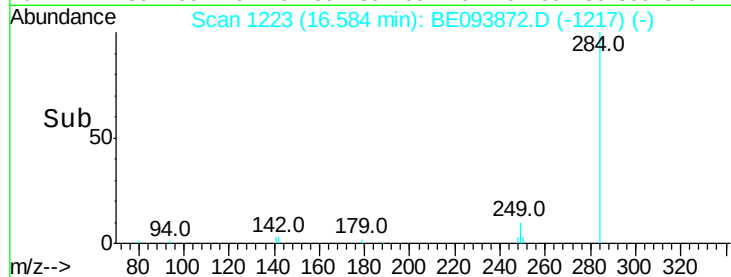
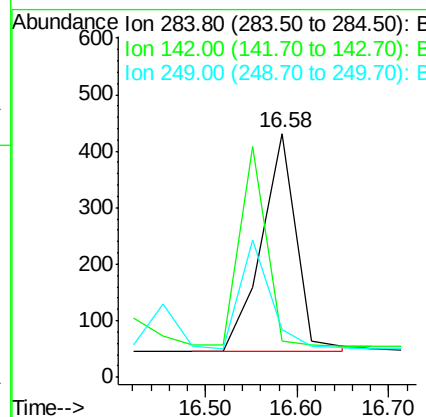
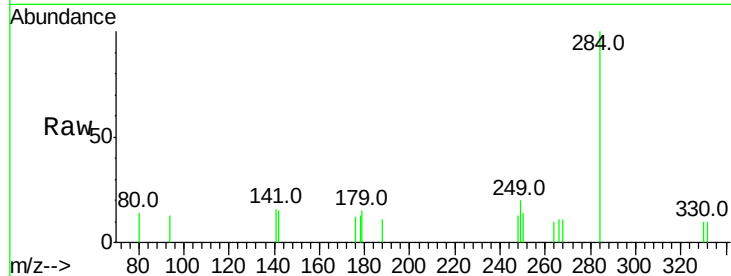
#21  
Hexachlorobenzene  
Concen: 0.390 ng  
RT: 16.58 min Scan# 1223  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 1027 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 0.0   | 0.0   | 0.0  |

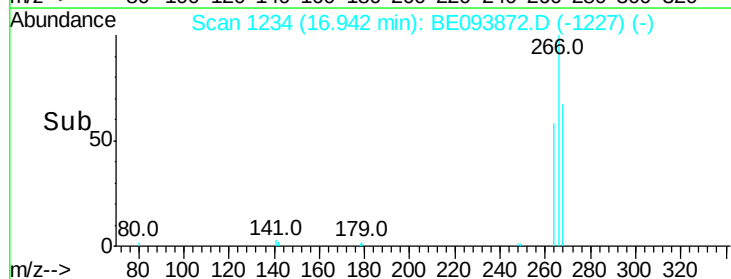
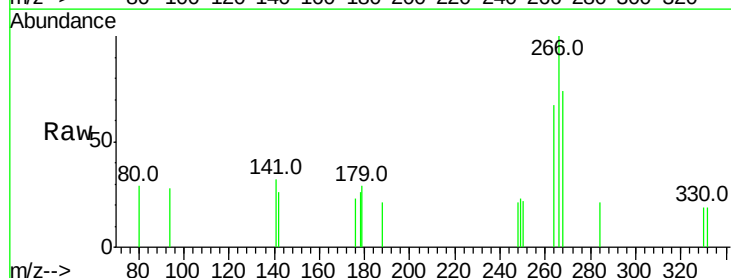
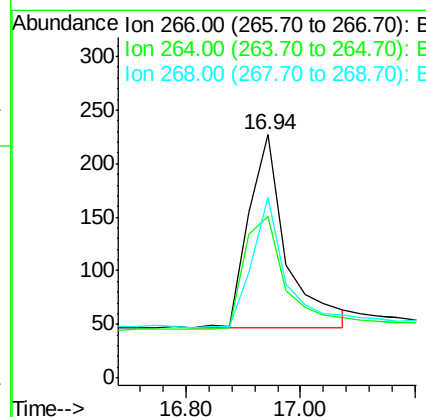
Manual Integrations  
APPROVED

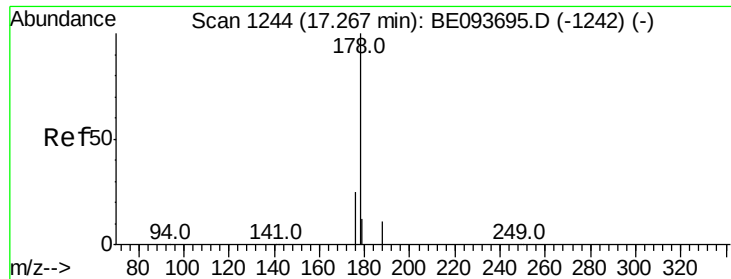
Sohil  
8/23/2017 3:00:35 PM



#22  
Pentachlorophenol  
Concen: 0.444 ng  
RT: 16.94 min Scan# 1234  
Delta R.T. 0.03 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 818  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 66.5  | 56.0  | 84.0 |
| 268       | 74.4  | 52.0  | 78.0 |





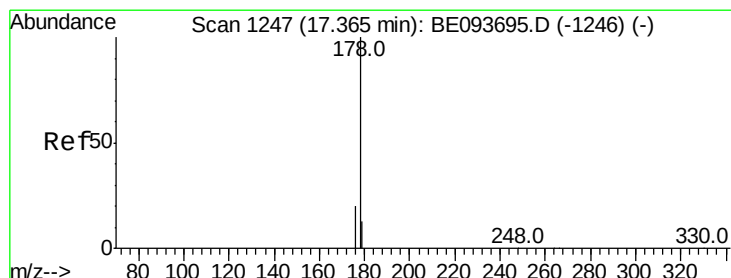
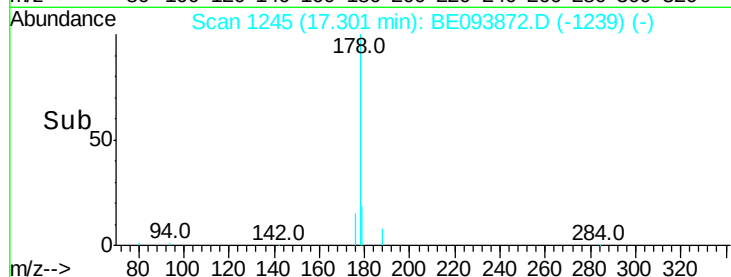
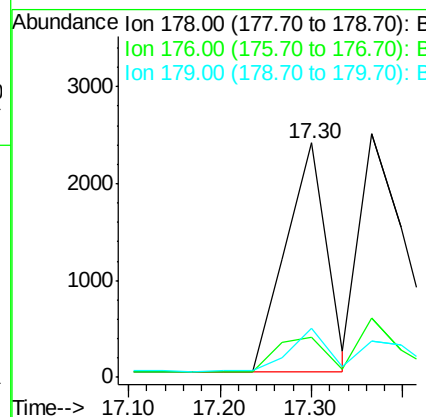
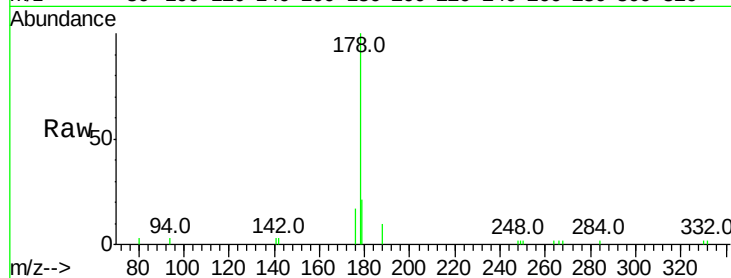
#23  
Phenanthrene  
Concen: 0.394 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. 0.03 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 7315  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 18.7  | 15.0  | 22.4  |
| 179      | 16.6  | 12.7  | 19.1  |

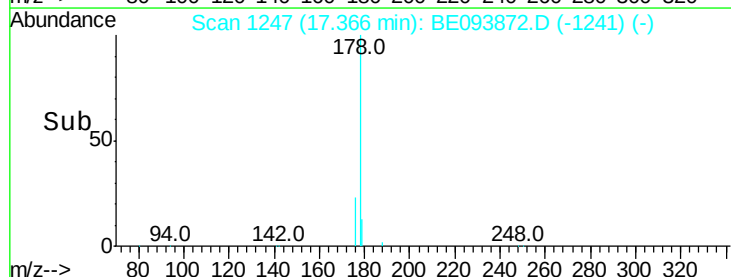
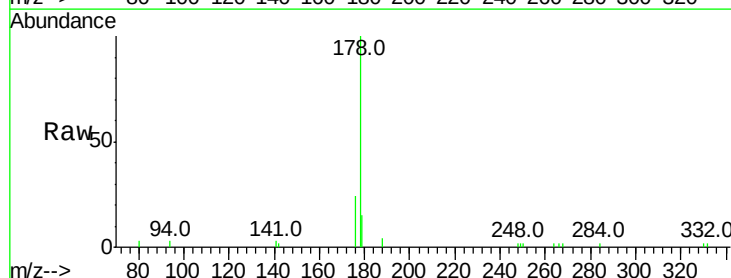
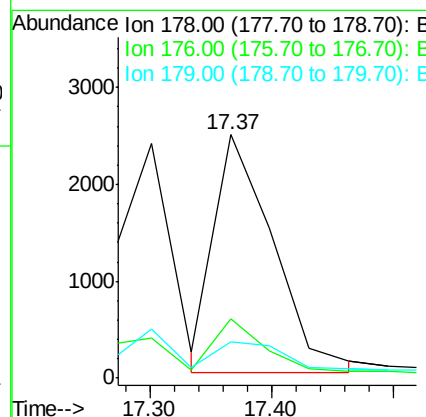
Manual Integrations  
APPROVED

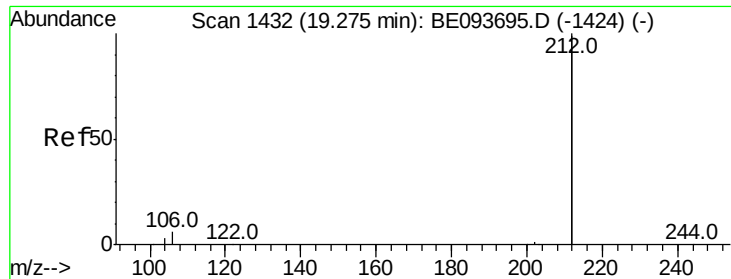
Sohil  
8/23/2017 3:00:35 PM



#24  
Anthracene  
Concen: 0.299 ng m  
RT: 17.37 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 8421  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 16.4  | 14.6  | 22.0  |
| 179      | 13.9  | 12.0  | 18.0  |





#25

Fluoranthene-d10

Concen: 0.454 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

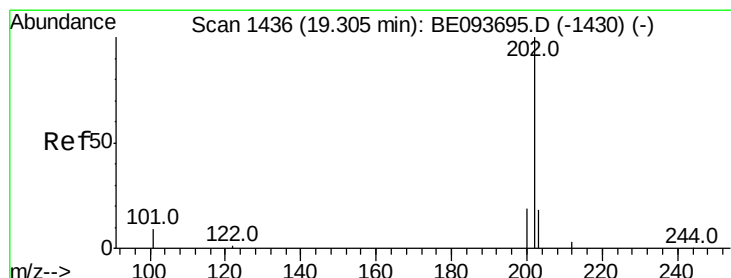
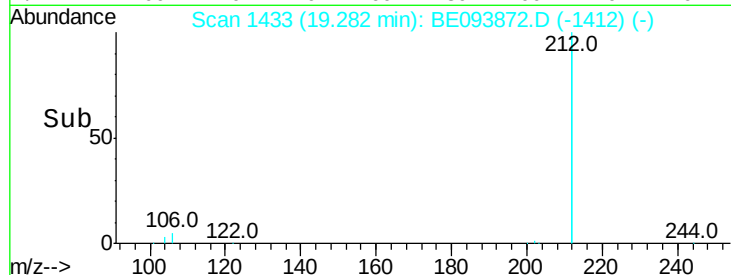
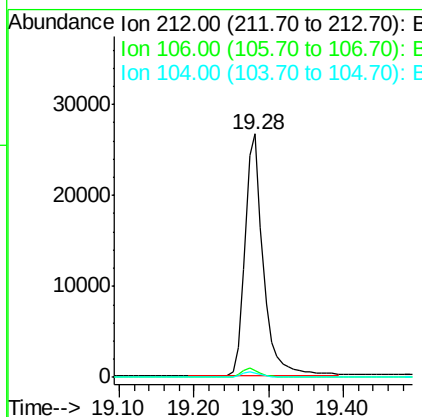
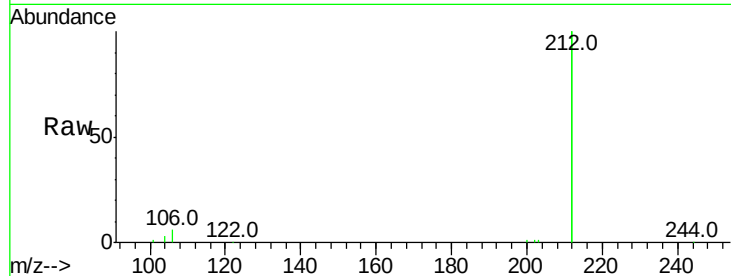
ClientSampleId :

PB101705BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 45122 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.5   | 2.4   | 3.6   |
| 104       | 1.9   | 1.6   | 2.4   |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#26

Fluoranthene

Concen: 0.391 ng

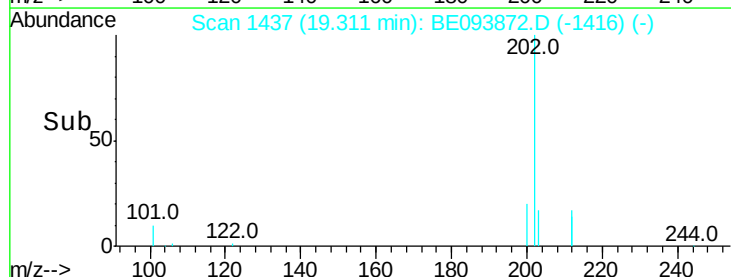
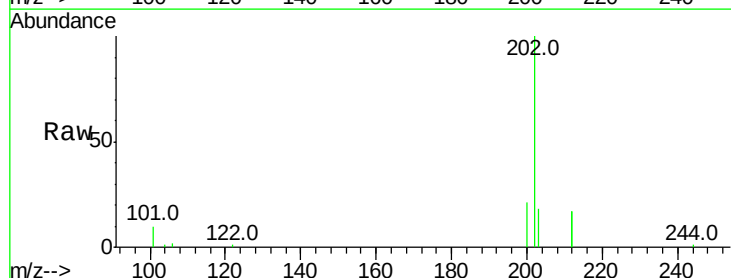
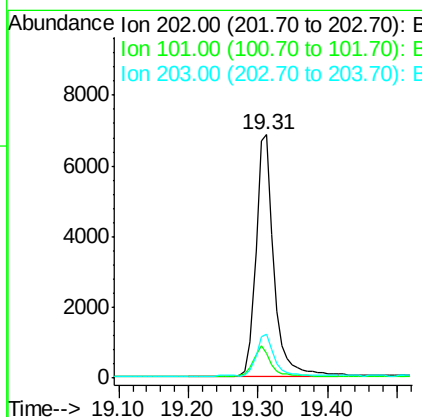
RT: 19.31 min Scan# 1437

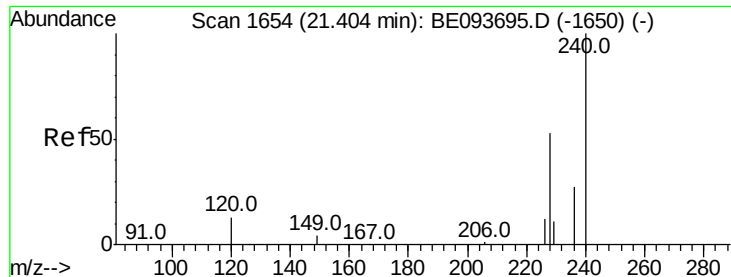
Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 11900 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.3  | 9.6   | 14.4  |
| 203       | 16.7  | 14.4  | 21.6  |





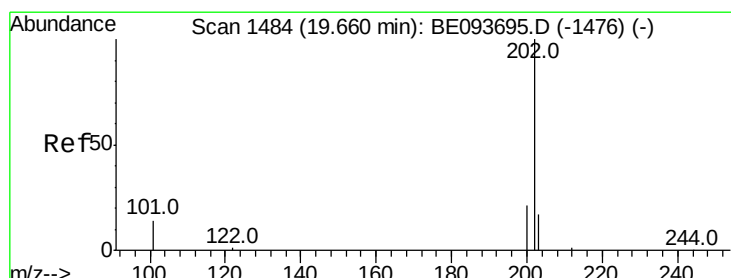
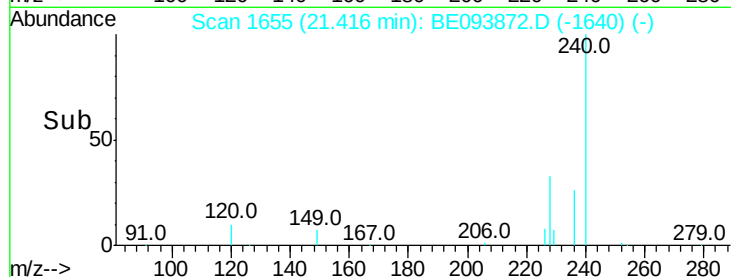
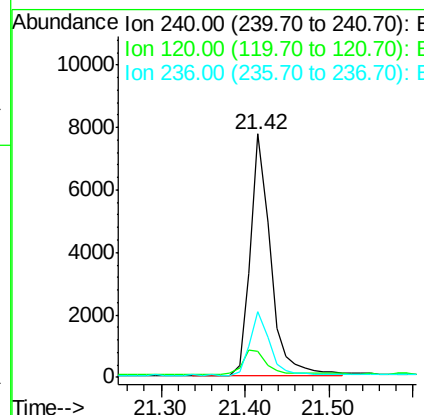
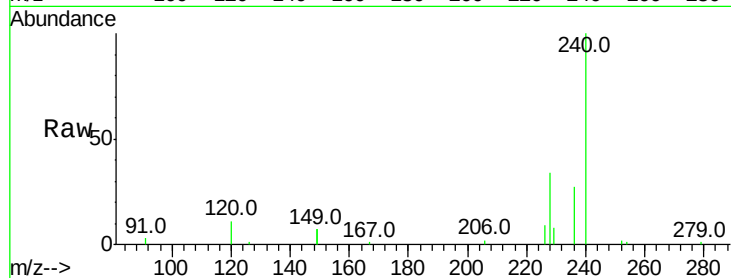
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.42 min Scan# 1655  
 Delta R.T. 0.01 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

Instrument :  
 BNA\_E  
 ClientSampled :  
 PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 4.6   | 7.0#  |
| 236     | 26.8  | 20.8  | 31.2  |

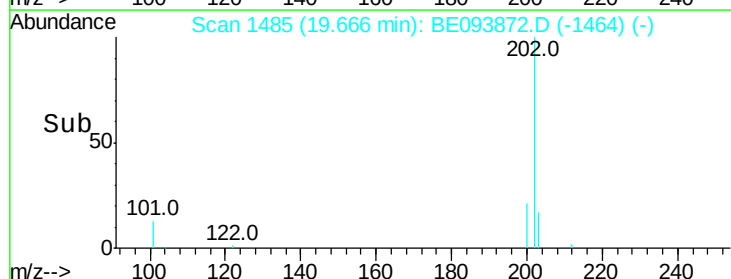
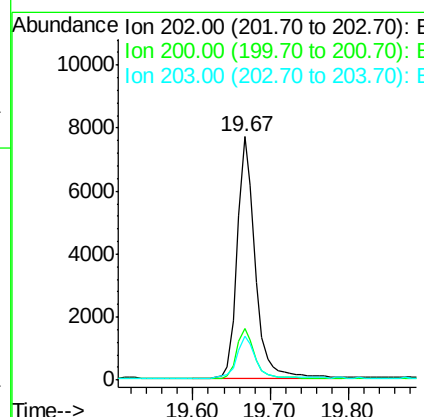
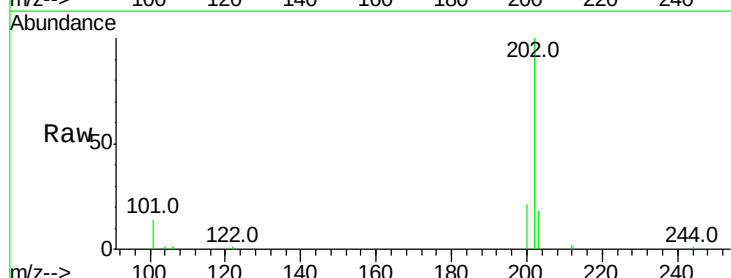
Manual Integrations  
 APPROVED

Sohil  
 8/23/2017 3:00:35 PM

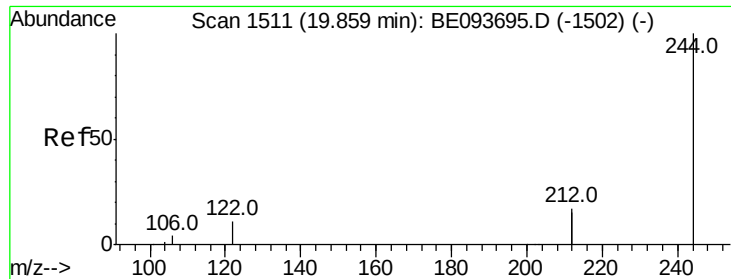


#28  
 Pyrene  
 Concen: 0.291 ng  
 RT: 19.67 min Scan# 1485  
 Delta R.T. 0.01 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 0.0   | 0.0#  |
| 203     | 18.3  | 13.7  | 20.5  |







#29

Terphenyl-d14

Concen: 0.431 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

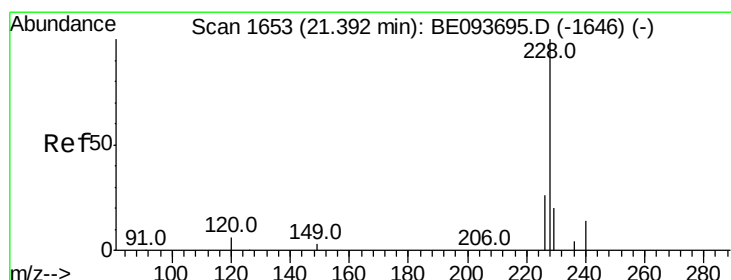
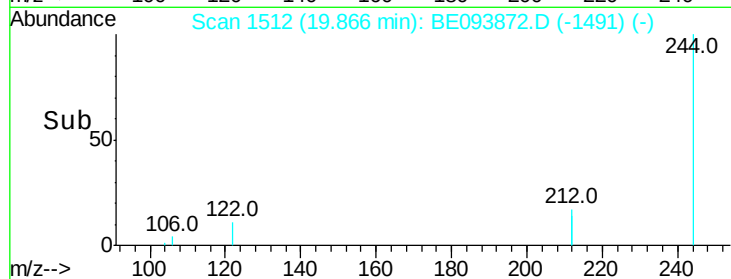
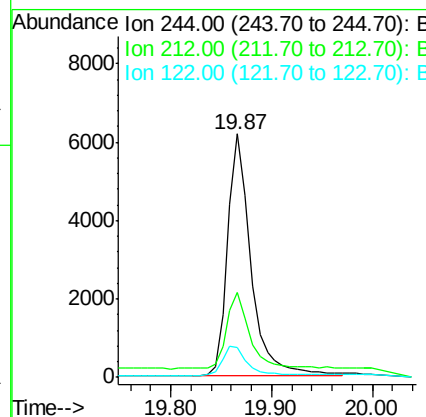
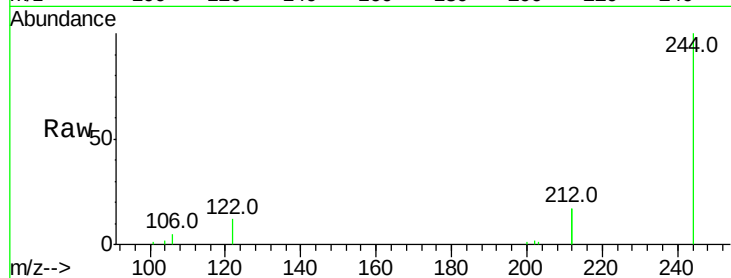
ClientSampleId :

PB101705BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 9888  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 34.6  | 10.6  | 16.0# |
| 122       | 12.2  | 15.4  | 23.0# |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



#30

Benzo(a)anthracene

Concen: 0.290 ng

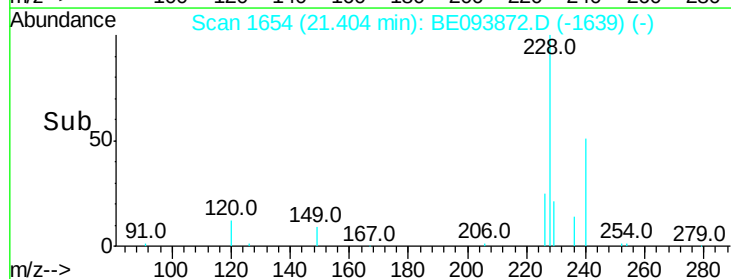
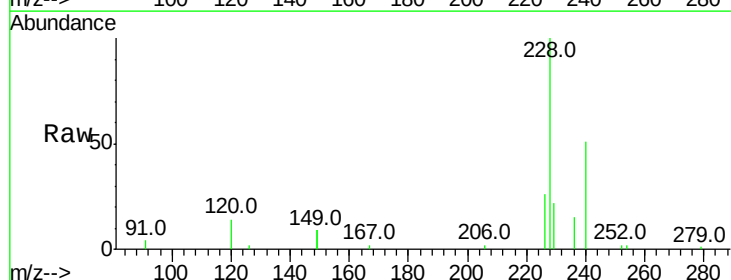
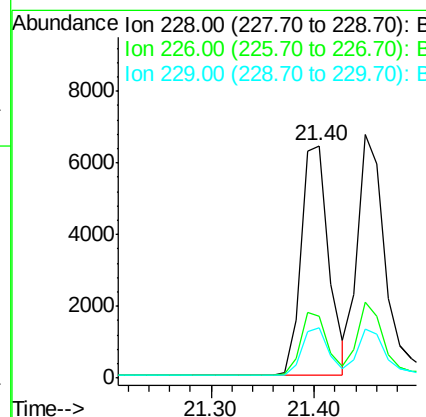
RT: 21.40 min Scan# 1654

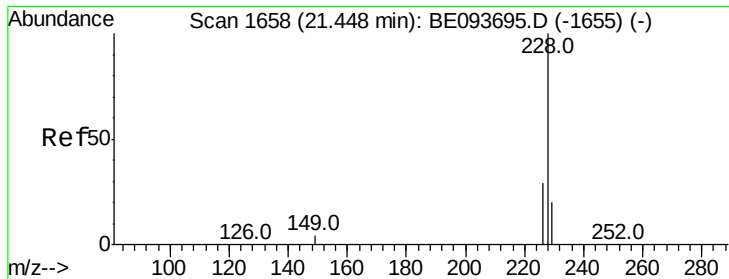
Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 11874 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 26.3  | 19.7  | 29.5  |
| 229       | 21.6  | 19.2  | 28.8  |





#31

Chrysene

Concen: 0.304 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA\_E

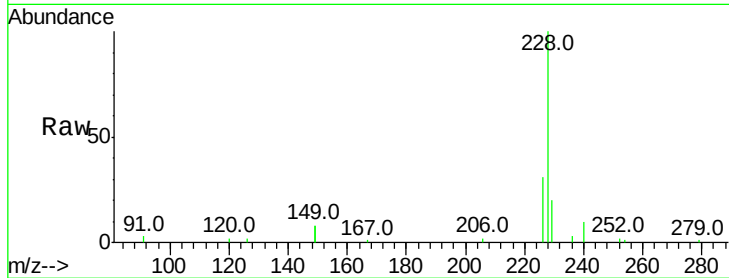
ClientSampleId :

PB101705BS

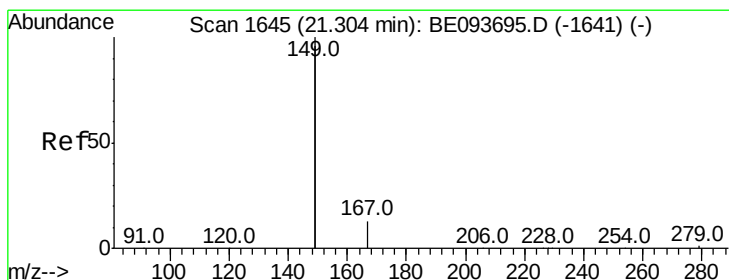
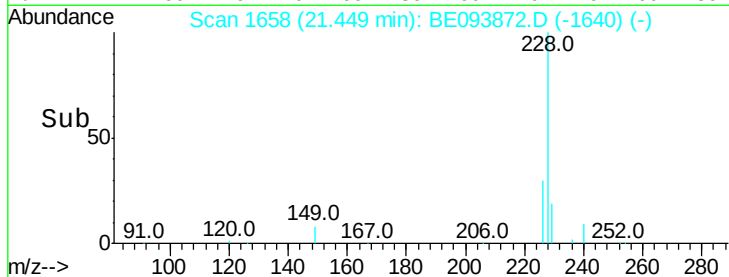
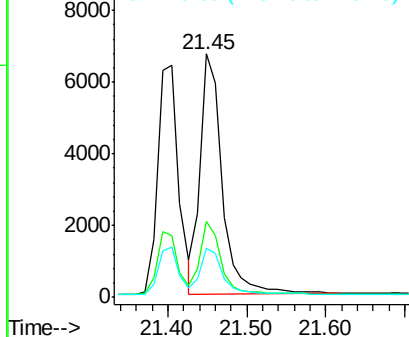
|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 12688 |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 31.1    | 21.5  | 32.3  |
| 229 20.0    | 18.6  | 28.0  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.332 ng

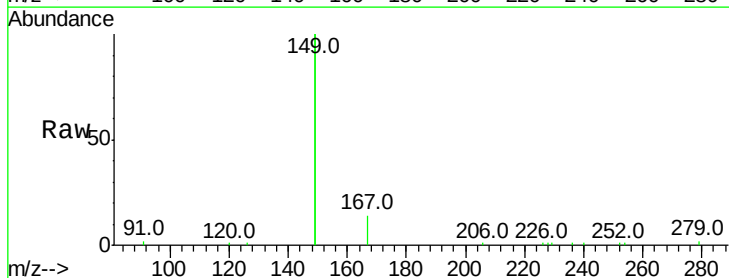
RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

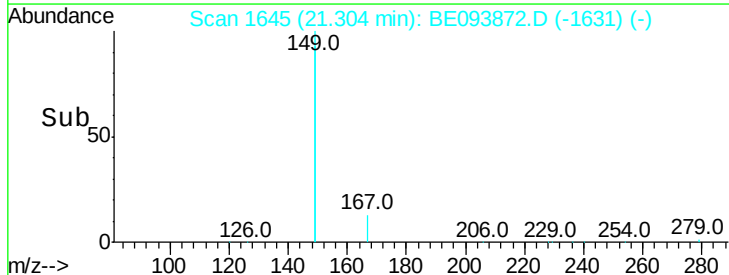
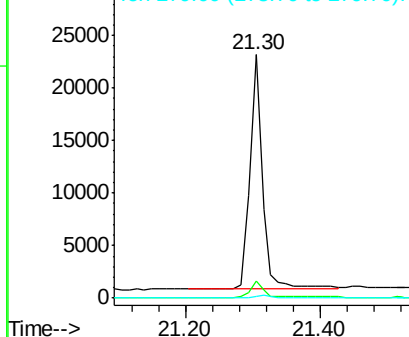
Lab File: BE093872.D

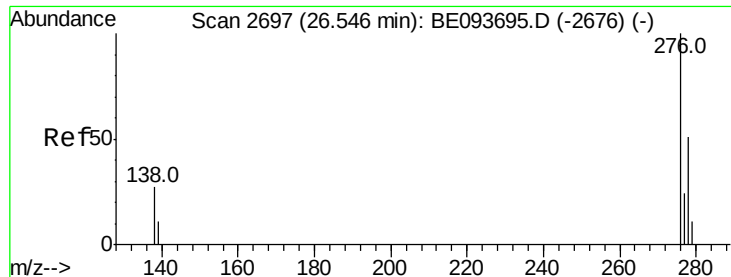
Acq: 22 Aug 2017 12:54

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:149 | Resp: | 29064 |
| Ion Ratio   | Lower | Upper |
| 149 100     |       |       |
| 167 6.7     | 4.8   | 7.2   |
| 279 0.9     | 0.8   | 1.2   |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





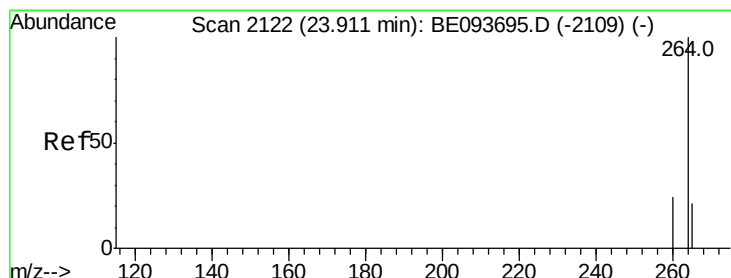
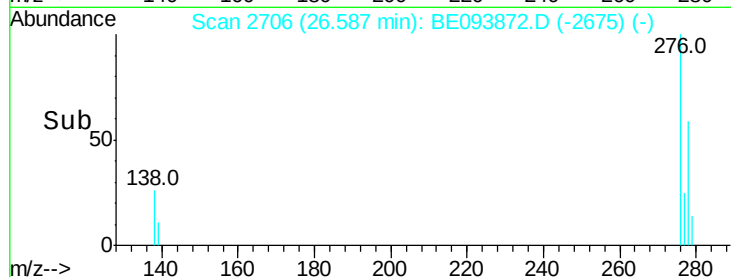
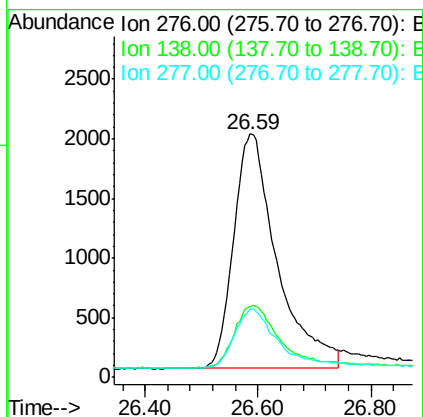
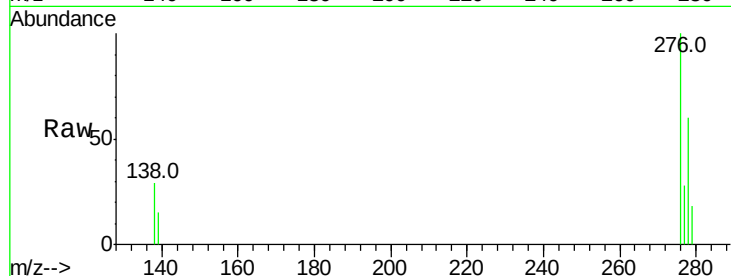
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.256 ng  
 RT: 26.59 min Scan# 2706  
 Delta R.T. 0.04 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.7  | 27.4  | 41.2  |
| 277     | 25.0  | 20.1  | 30.1  |

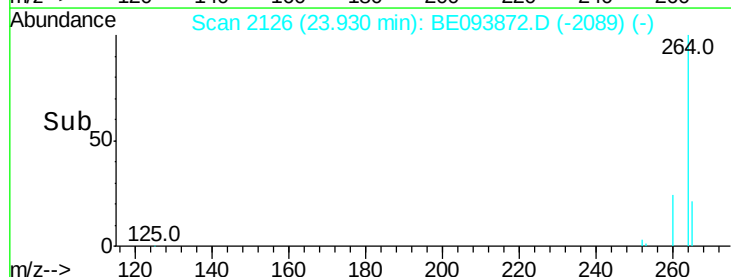
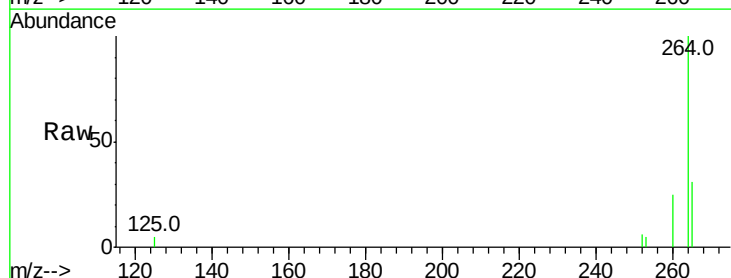
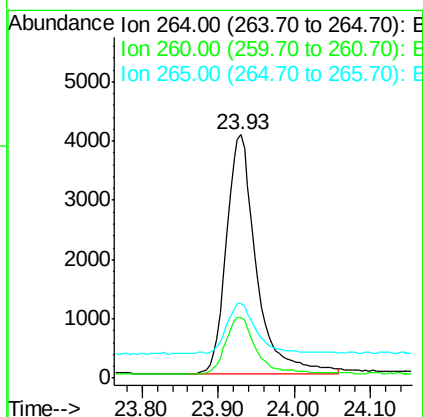
Manual Integrations  
 APPROVED

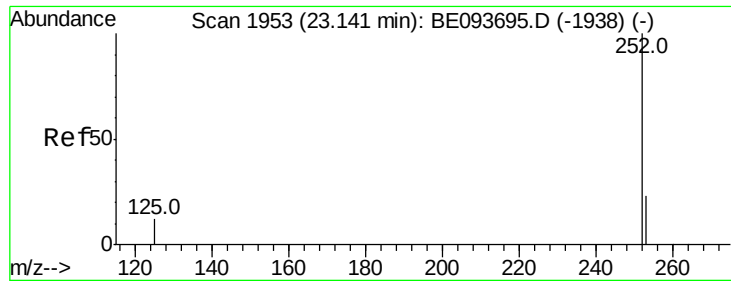
Sohil  
 8/23/2017 3:00:35 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.93 min Scan# 2126  
 Delta R.T. 0.02 min  
 Lab File: BE093872.D  
 Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 21.0  | 31.4  |
| 265     | 30.7  | 24.6  | 36.8  |





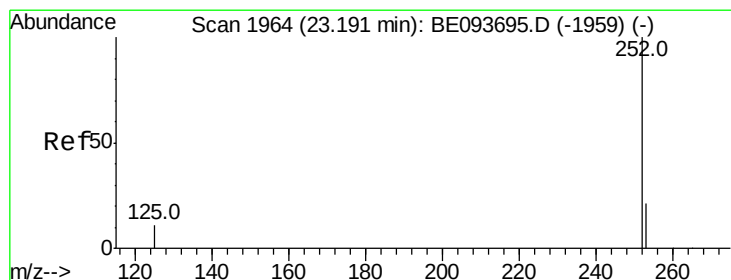
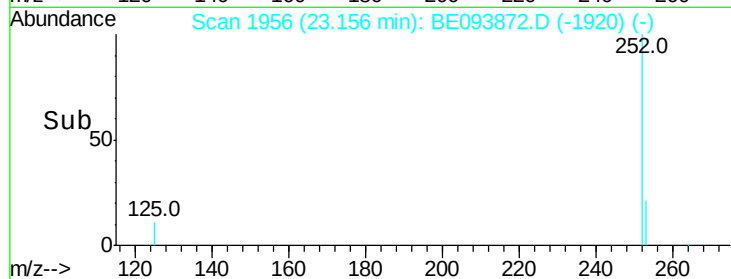
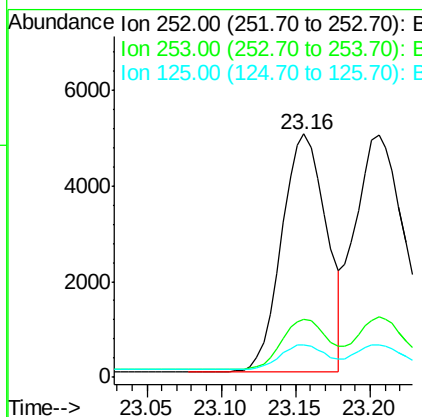
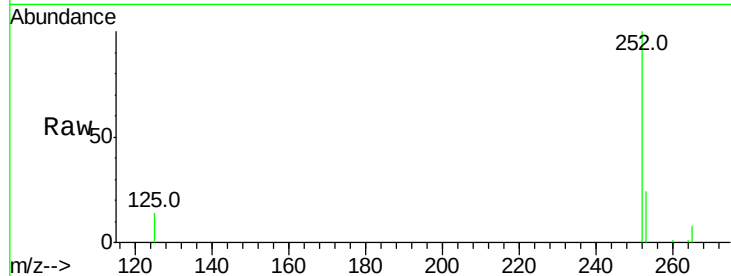
#35  
Benzo(b)fluoranthene  
Concen: 0.271 ng  
RT: 23.16 min Scan# 1956  
Delta R.T. 0.01 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.5  | 27.7  |
| 125     | 13.5  | 13.4  | 20.0  |

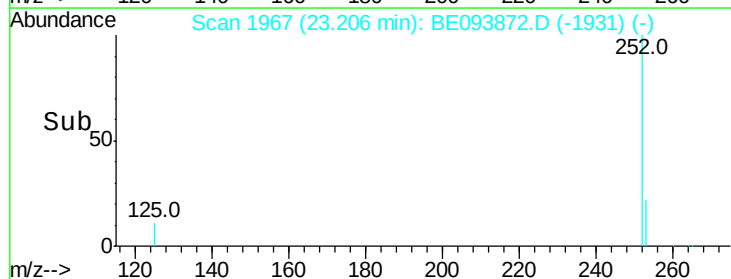
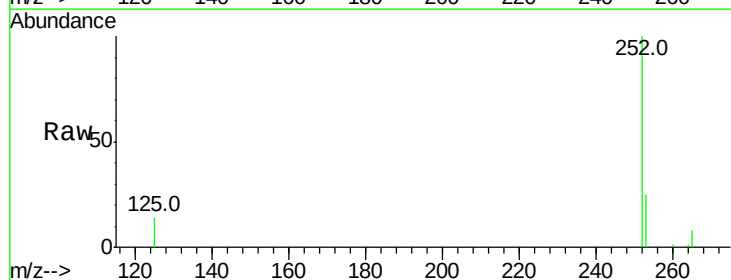
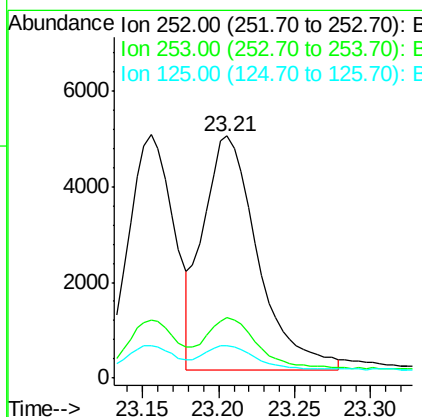
Manual Integrations  
APPROVED

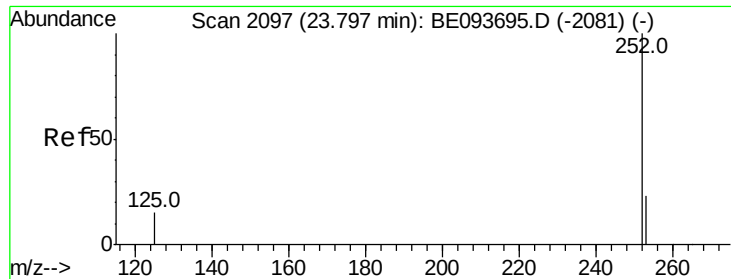
Sohil  
8/23/2017 3:00:35 PM



#36  
Benzo(k)fluoranthene  
Concen: 0.322 ng m  
RT: 23.21 min Scan# 1967  
Delta R.T. 0.01 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 20.3  | 30.5  |
| 125     | 13.5  | 12.2  | 18.4  |





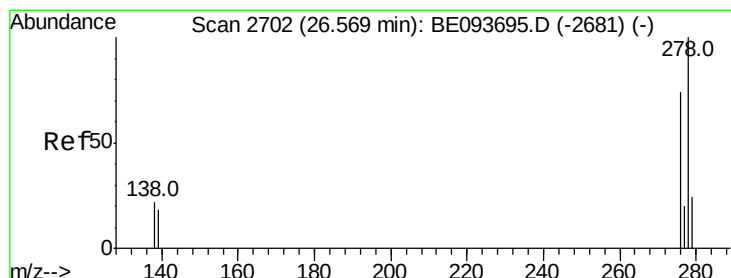
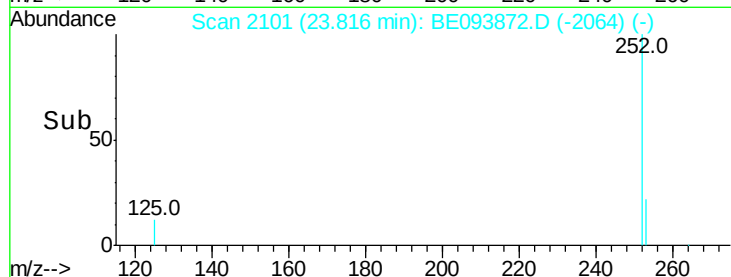
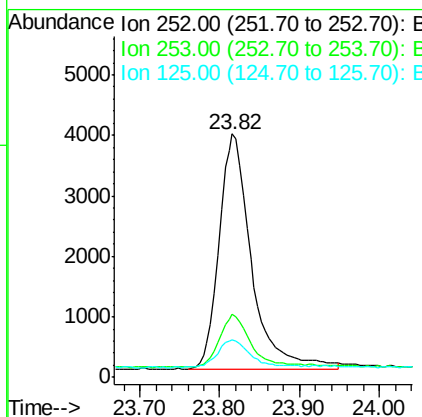
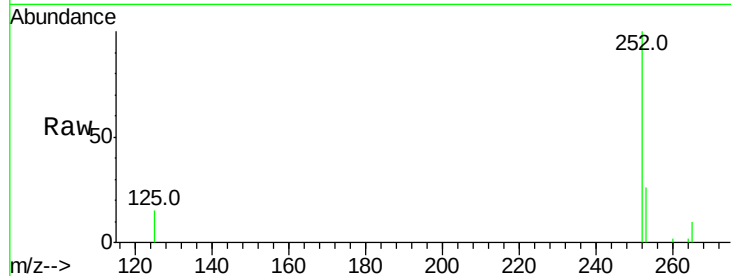
#37  
Benzo(a)pyrene  
Concen: 0.303 ng  
RT: 23.82 min Scan# 2101  
Delta R.T. 0.02 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

Instrument :  
BNA\_E  
ClientSampleId :  
PB101705BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.8  | 19.9  | 29.9  |
| 125     | 15.3  | 14.6  | 21.8  |

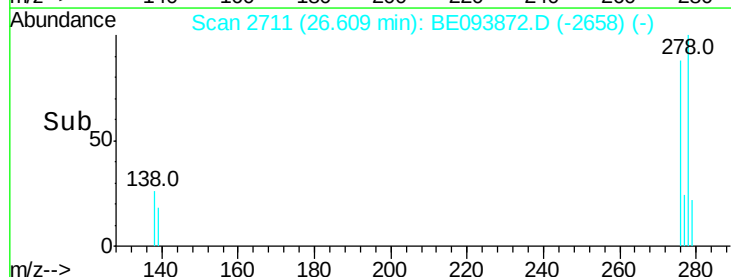
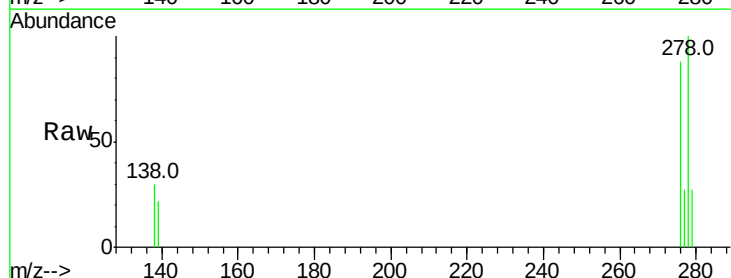
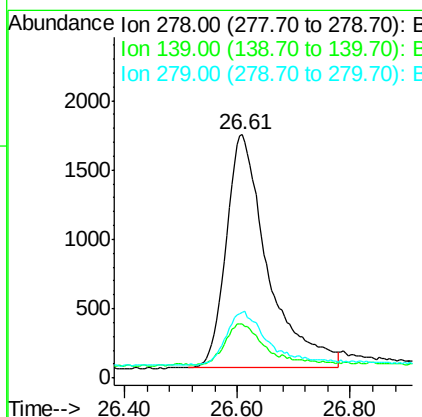
Manual Integrations  
APPROVED

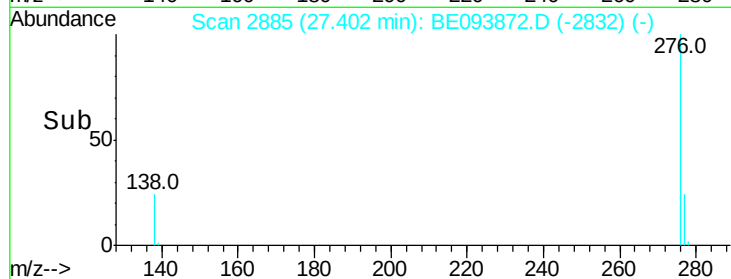
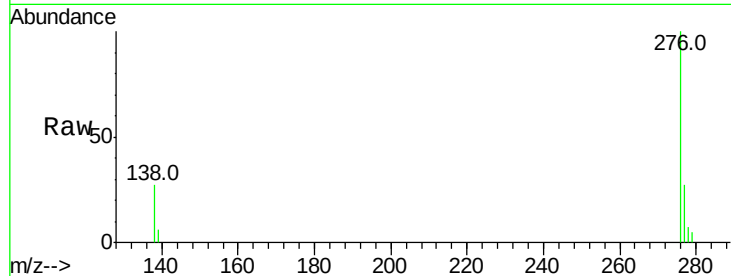
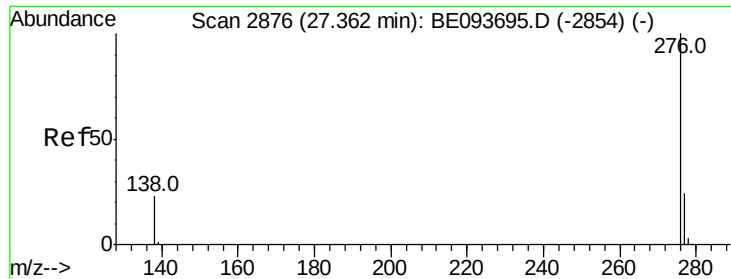
Sohil  
8/23/2017 3:00:35 PM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.251 ng  
RT: 26.61 min Scan# 2711  
Delta R.T. 0.04 min  
Lab File: BE093872.D  
Acq: 22 Aug 2017 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.1  | 21.4  | 32.0  |
| 279     | 27.1  | 22.2  | 33.2  |





#39

Benzo(a,h,i)perylene

Concen: 0.267 ng

RT: 27.40 min Scan# 2885

Delta R.T. 0.04 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 9081 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 27.3  | 21.2  | 31.8 |
| 138       | 27.3  | 24.5  | 36.7 |

Instrument :

BNA\_E

ClientSampleId :

PB101705BS

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:35 PM

