

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072617\  
 Data File : BE093600.D  
 Acq On : 26 Jul 2017 11:41  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 7/27/2017 6:20:54 PM

Quant Time: Jul 27 08:22:46 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE072117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 21 16:13:20 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 2265     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.71 | 136  | 11202    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.52 | 164  | 6688     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.24 | 188  | 15326    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 18177    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.91 | 264  | 17138    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.51  | 112  | 3279     | 0.42  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.09  | 99   | 4818     | 0.44  | ng    | -0.01    |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 3788     | 0.43  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 7914     | 0.44  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.00 | 330  | 655      | 0.27  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 11573    | 0.44  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.28 | 212  | 82745    | 0.34  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.86 | 244  | 14207    | 0.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.44  | 88   | 1623     | 0.432 | ng    | 98       |
| 3) n-Nitrosodimethylamine      | 3.75  | 42   | 1439     | 0.387 | ng    | 89       |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93   | 3743     | 0.427 | ng    | # 98     |
| 9) Naphthalene                 | 10.76 | 128  | 56232    | 0.431 | ng    | 99       |
| 10) Hexachlorobutadiene        | 11.04 | 225  | 2149     | 0.424 | ng    | 98       |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 9507     | 0.435 | ng    | 96       |
| 16) Acenaphthylene             | 14.24 | 152  | 14302    | 0.425 | ng    | # 88     |
| 17) Acenaphthene               | 14.58 | 154  | 10019    | 0.438 | ng    | 99       |
| 18) Fluorene                   | 15.56 | 166  | 13340    | 0.414 | ng    | # 88     |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 2412     | 0.404 | ng    | 99       |
| 21) Hexachlorobenzene          | 16.58 | 284  | 2361     | 0.411 | ng    | # 100    |
| 22) Pentachlorophenol          | 16.91 | 266  | 1514     | 0.522 | ng    | 98       |
| 23) Phenanthrene               | 17.27 | 178  | 15538m   | 0.447 | ng    |          |
| 24) Anthracene                 | 17.37 | 178  | 23028m   | 0.433 | ng    |          |
| 26) Fluoranthene               | 19.31 | 202  | 25309    | 0.341 | ng    | 99       |
| 28) Pyrene                     | 19.66 | 202  | 25982    | 0.441 | ng    | # 99     |
| 30) Benzo(a)anthracene         | 21.39 | 228  | 24367    | 0.417 | ng    | 95       |
| 31) Chrysene                   | 21.45 | 228  | 25654    | 0.443 | ng    | 95       |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 39002    | 0.327 | ng    | 98       |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276  | 26228    | 0.479 | ng    | 94       |
| 35) Benzo(b)fluoranthene       | 23.14 | 252  | 24632    | 0.409 | ng    | # 96     |
| 36) Benzo(k)fluoranthene       | 23.19 | 252  | 25352m   | 0.426 | ng    |          |
| 37) Benzo(a)pyrene             | 23.80 | 252  | 23465    | 0.419 | ng    | 95       |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278  | 22565    | 0.427 | ng    | # 90     |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276  | 21889    | 0.412 | ng    | 92       |

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

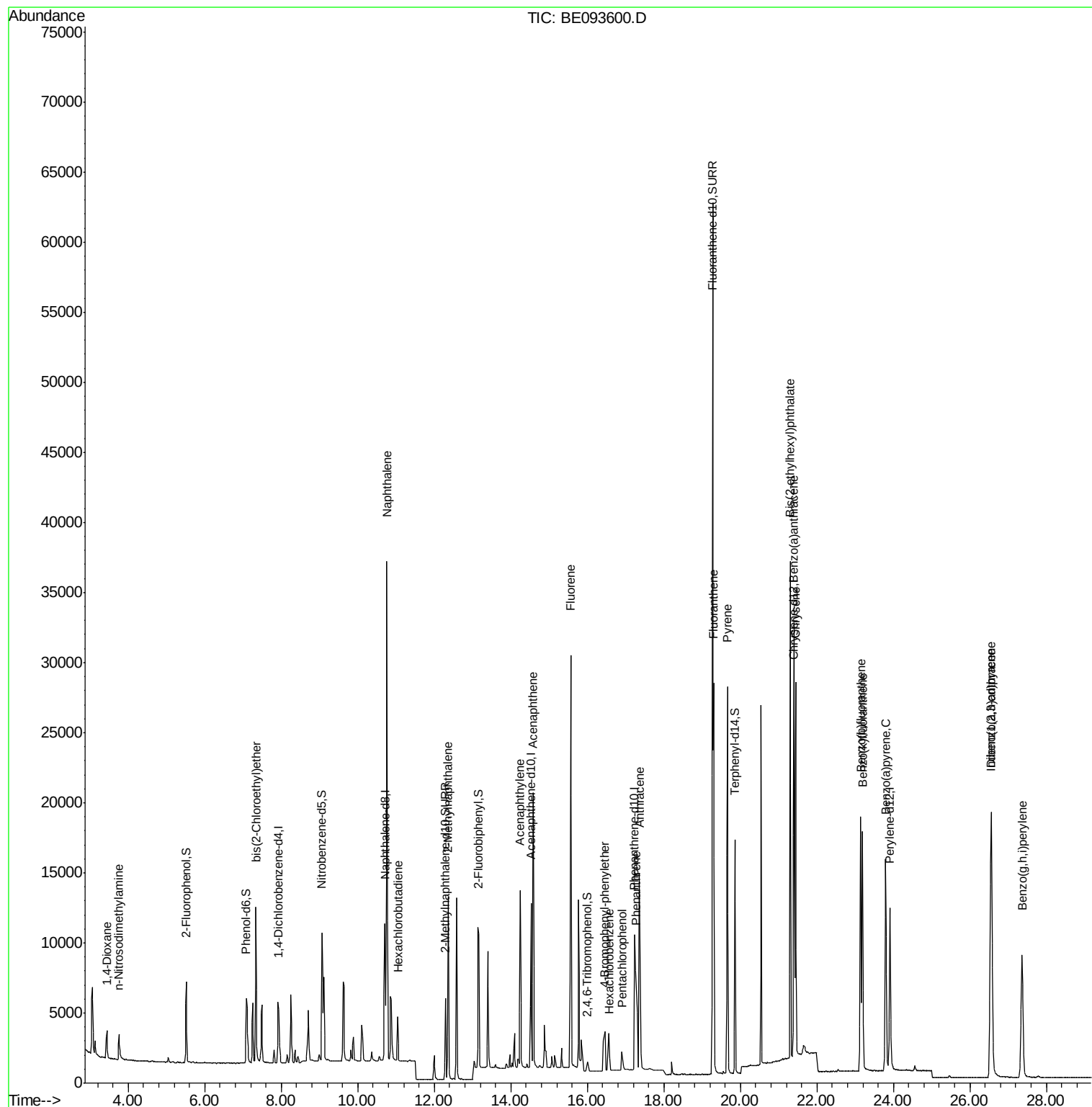
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072617\  
Data File : BE093600.D  
Acq On : 26 Jul 2017 11:41  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

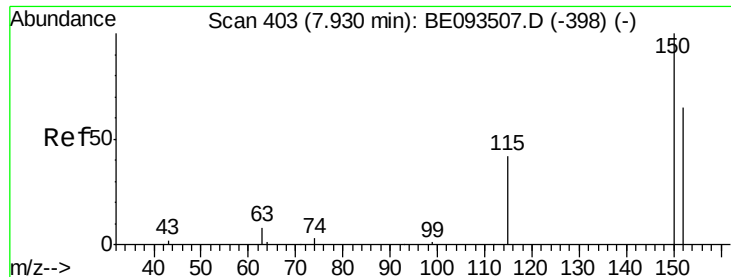
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM

Quant Time: Jul 27 08:22:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE072117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 21 16:13:20 2017  
Response via : Initial Calibration





#1

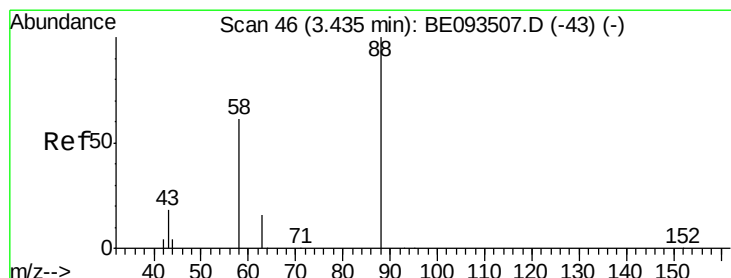
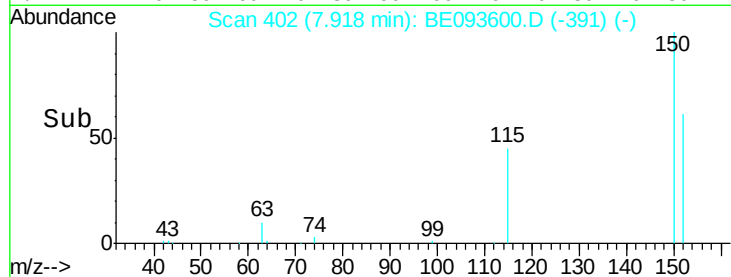
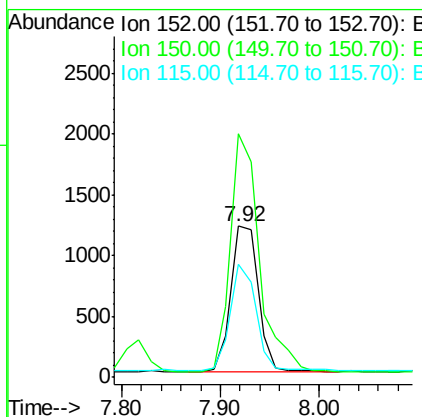
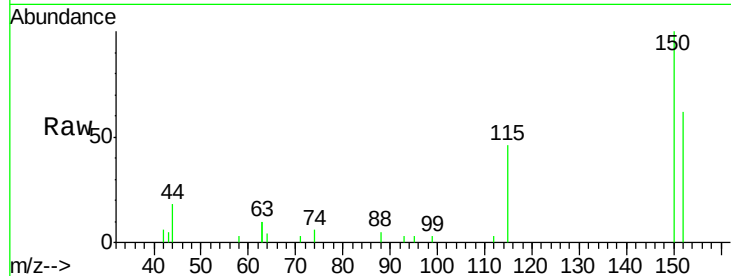
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.92 min Scan# 402  
 Delta R.T. -0.01 min  
 Lab File: BE093600.D  
 Acq: 26 Jul 2017 11:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.4 | 125.1 | 187.7 |
| 115     | 74.8  | 55.7  | 83.5  |

Manual Integrations  
 APPROVED

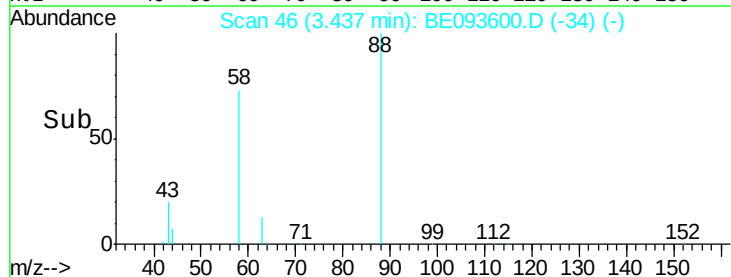
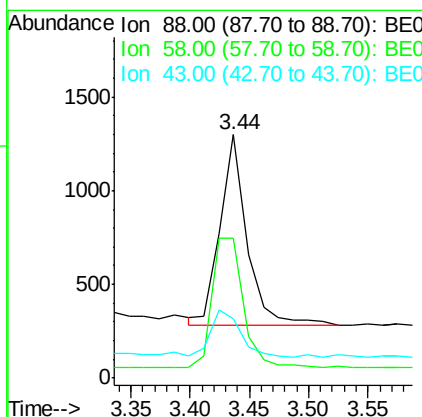
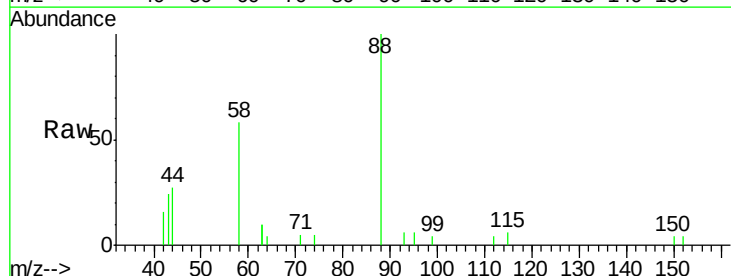
Sohil  
 7/27/2017 6:20:54 PM

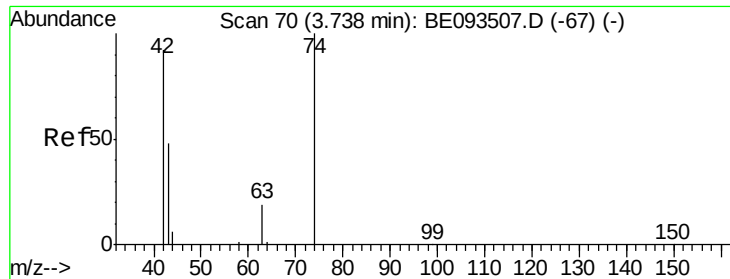


#2

1,4-Dioxane  
 Concen: 0.432 ng  
 RT: 3.44 min Scan# 46  
 Delta R.T. 0.00 min  
 Lab File: BE093600.D  
 Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.2  | 62.2  | 93.4  |
| 43      | 28.0  | 23.2  | 34.8  |





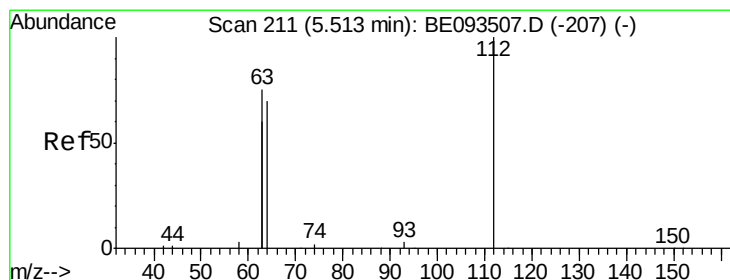
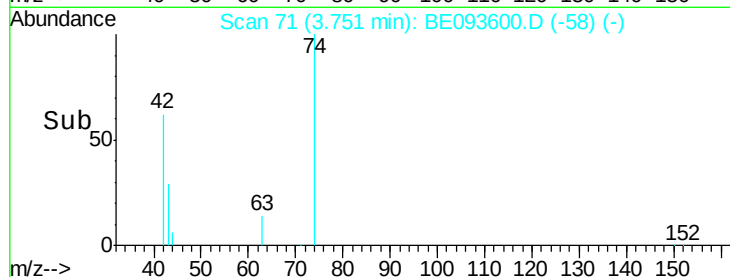
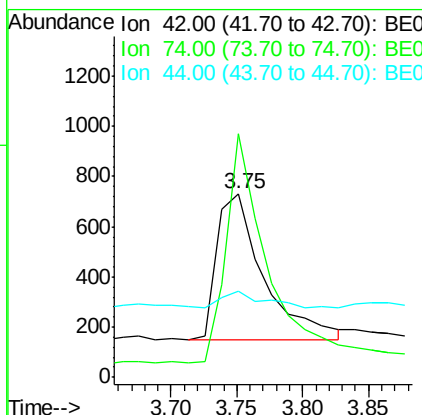
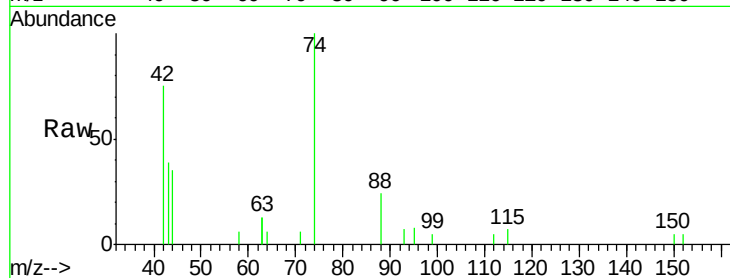
#3  
n-Nitrosodimethylamine  
Concen: 0.387 ng  
RT: 3.75 min Scan# 71  
Delta R.T. 0.01 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 136.8 | 99.1  | 148.7 |
| 44      | 10.6  | 7.4   | 11.2  |

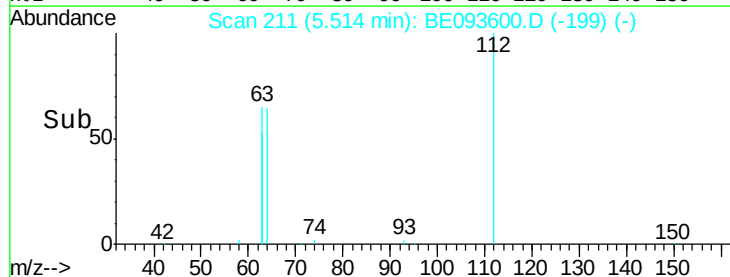
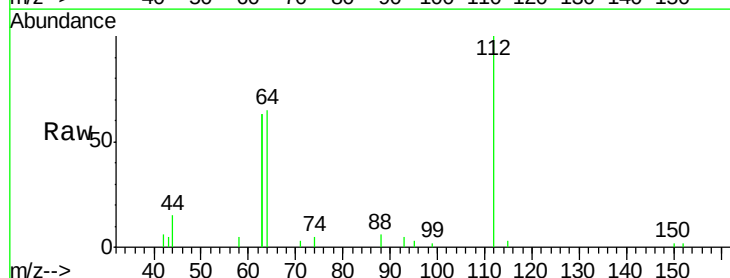
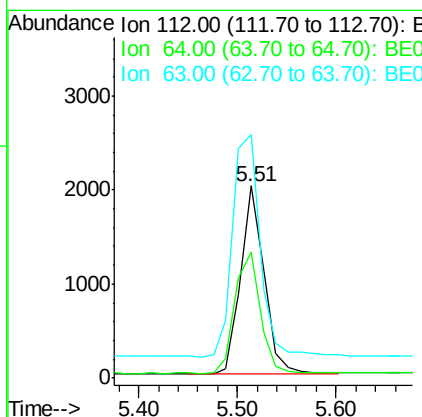
Manual Integrations  
APPROVED

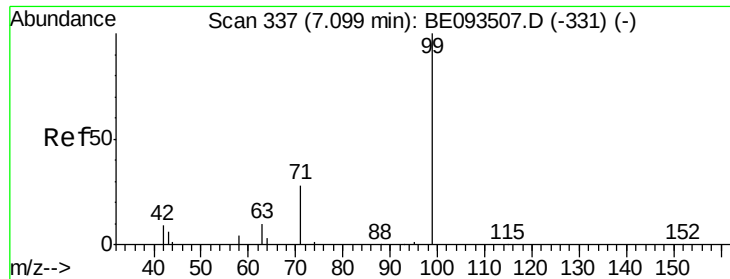
Sohil  
7/27/2017 6:20:54 PM



#4  
2-Fluorophenol  
Concen: 0.417 ng  
RT: 5.51 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.1  | 56.4  | 84.6  |
| 63      | 136.7 | 29.3  | 43.9# |





#5

Phenol-d6

Concen: 0.437 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

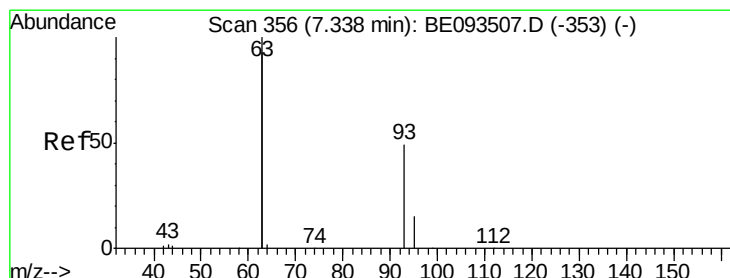
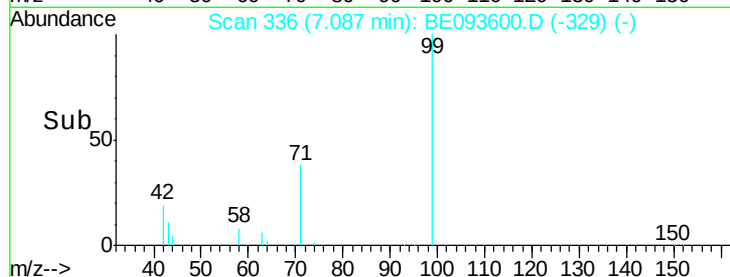
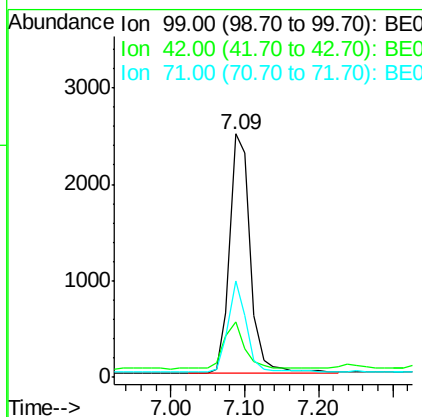
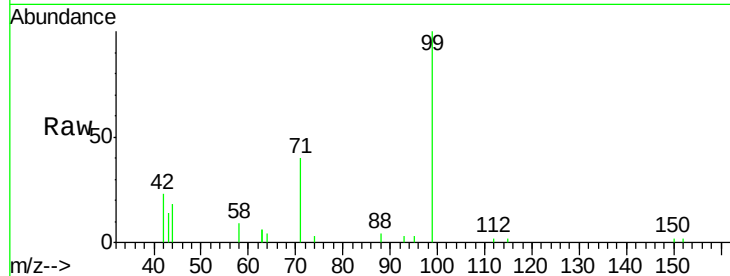
ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 4818  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.1  | 0.0   | 0.0#  |
| 71       | 34.0  | 0.0   | 0.0#  |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.427 ng

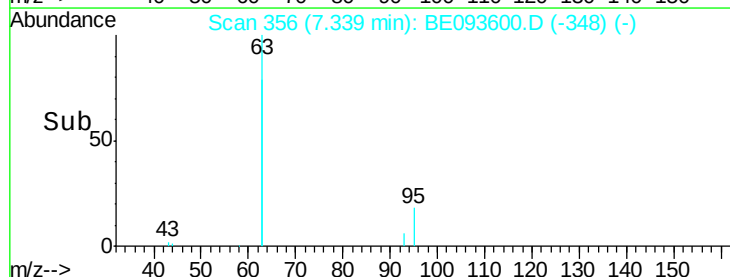
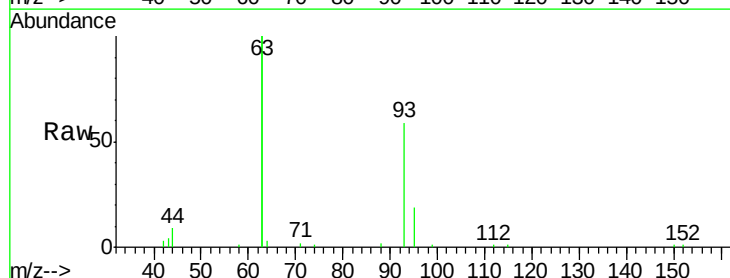
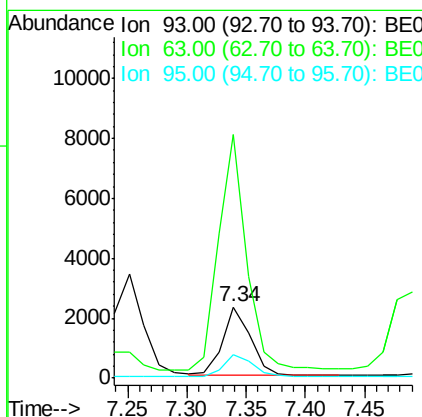
RT: 7.34 min Scan# 356

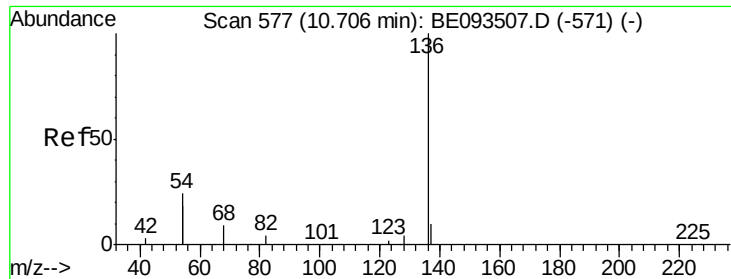
Delta R.T. 0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3743  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 345.7 | 0.0   | 0.0#  |
| 95       | 32.9  | 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: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

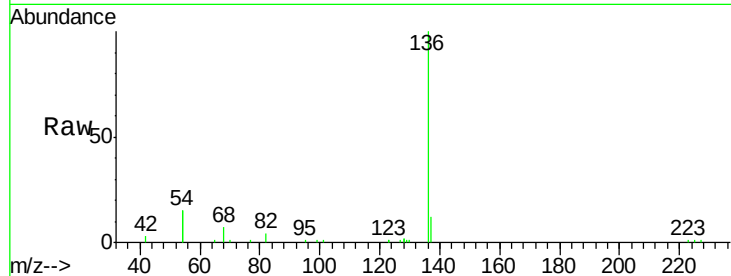
ClientSampleId :

SSTDCCC0.4

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 11202 |       |       |
| 137     | 11.7  | 9.8   | 14.8  |       |
| 54      | 30.3  | 10.3  | 15.5# |       |
| 68      | 6.7   | 9.0   | 13.4# |       |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM

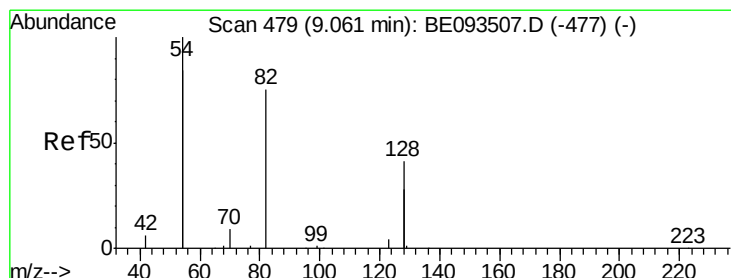
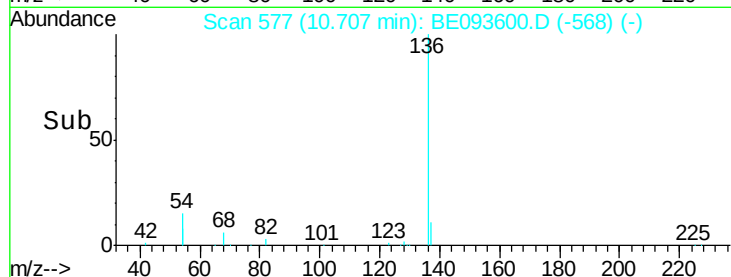
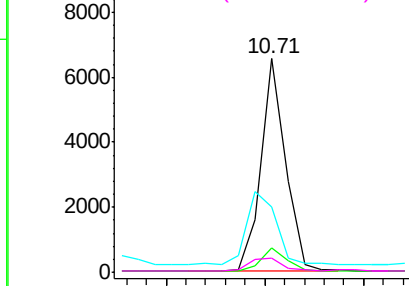


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.426 ng

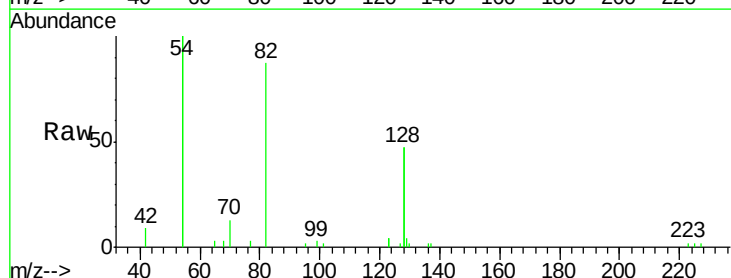
RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

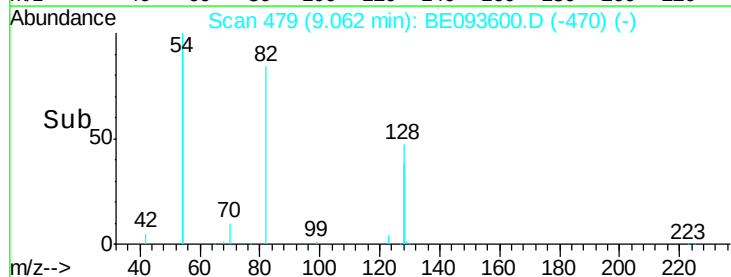
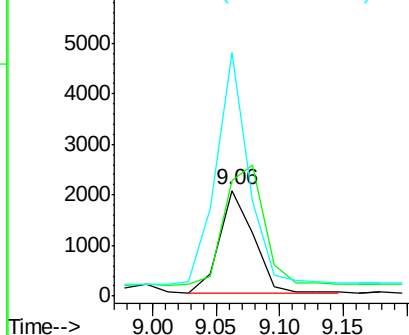
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 3788 |       |       |
| 128     | 109.4 | 17.0 | 25.4# |       |
| 54      | 230.8 | 53.8 | 80.6# |       |

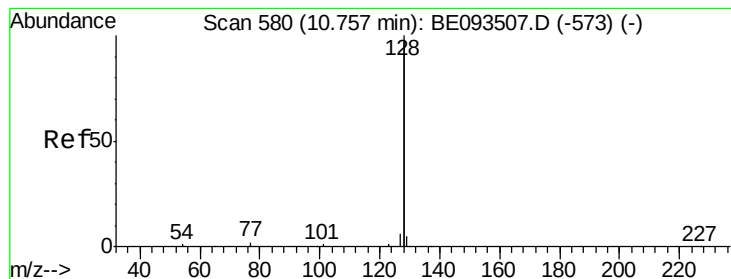


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.431 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

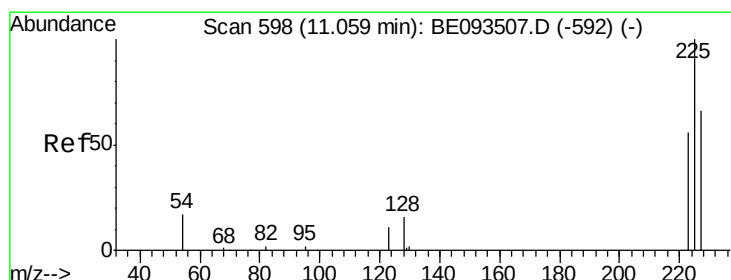
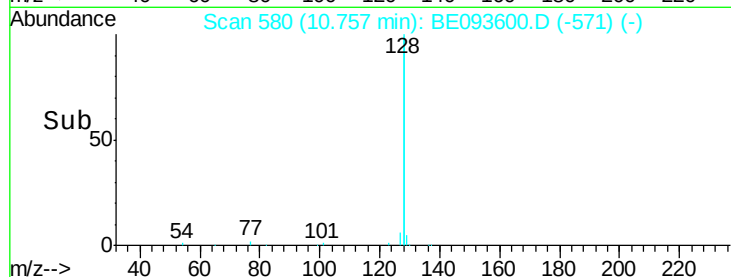
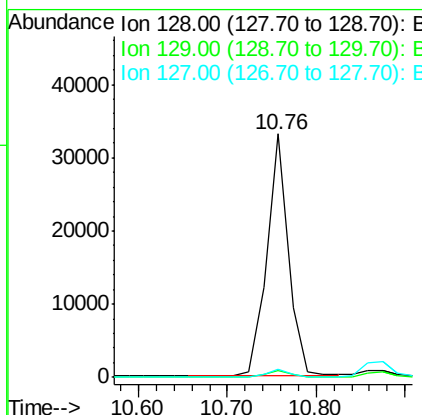
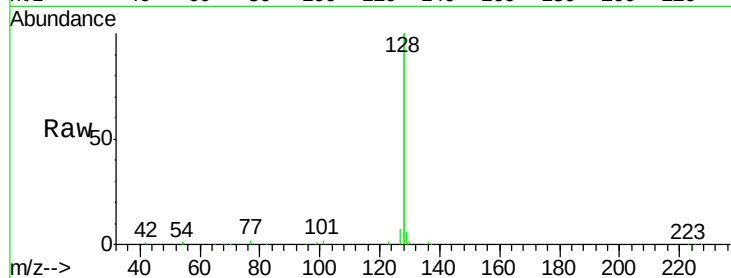
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 56232 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.8   | 2.4   | 3.6   |
| 127       | 3.3   | 2.4   | 3.6   |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#10

Hexachlorobutadiene

Concen: 0.424 ng

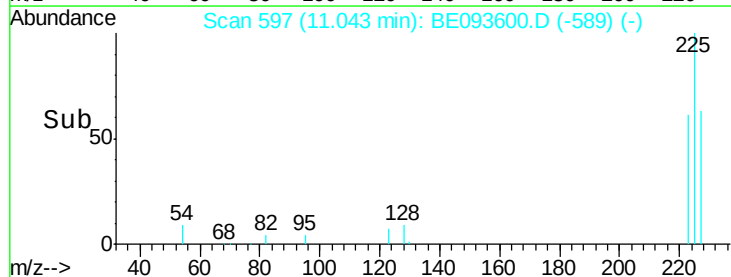
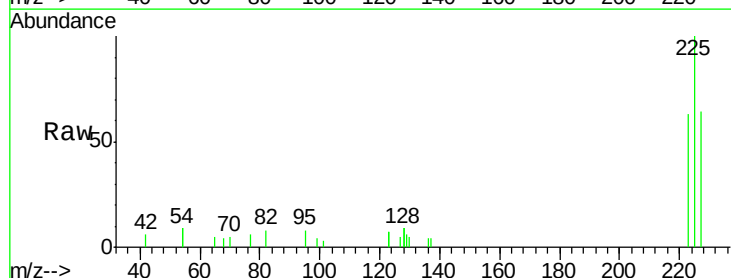
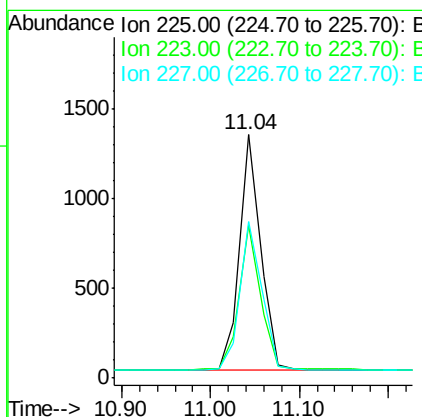
RT: 11.04 min Scan# 597

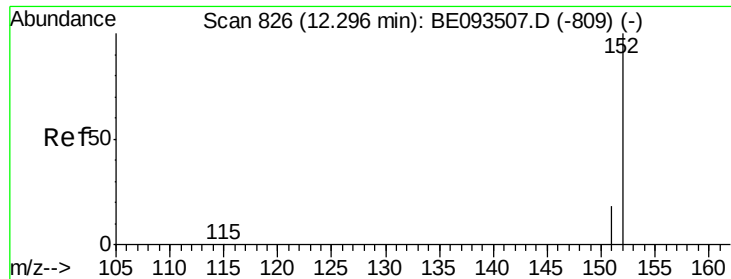
Delta R.T. -0.02 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2149 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 62.4  | 49.7  | 74.5 |
| 227       | 66.2  | 50.3  | 75.5 |





#11

2-Methylnaphthalene-d10

Concen: 0.437 ng

RT: 12.29 min Scan# 825

Delta R.T. -0.01 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:152 Resp: 7914

Ion Ratio Lower Upper

152 100

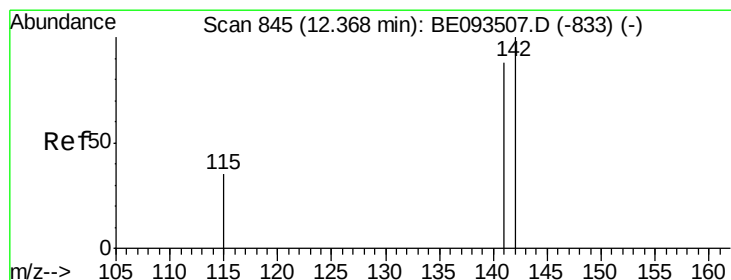
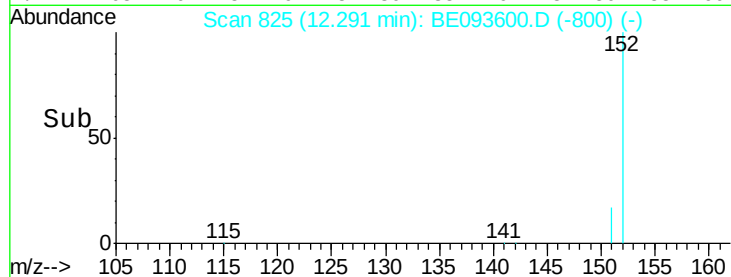
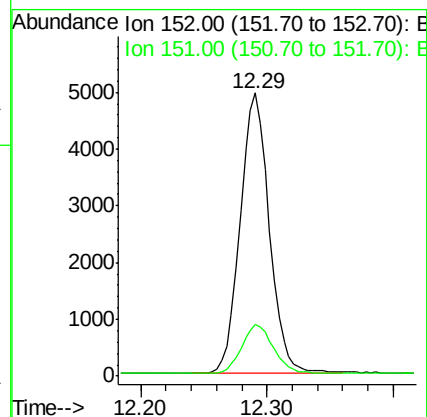
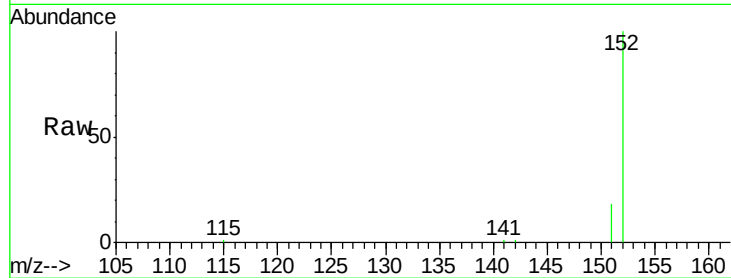
151 19.2 15.1 22.7

Manual Integrations

APPROVED

Sohil

7/27/2017 6:20:54 PM



#12

2-Methylnaphthalene

Concen: 0.435 ng

RT: 12.36 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

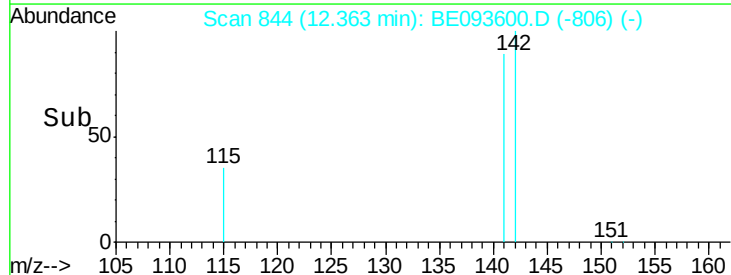
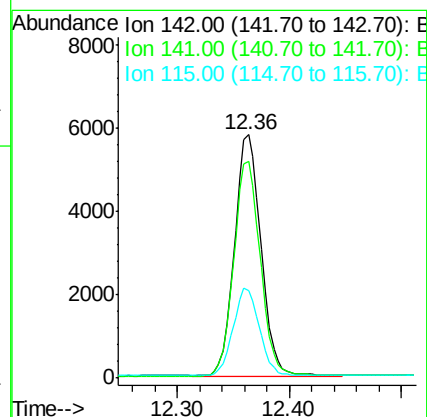
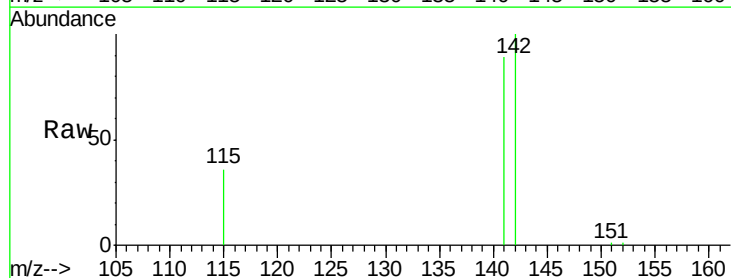
Tgt Ion:142 Resp: 9507

Ion Ratio Lower Upper

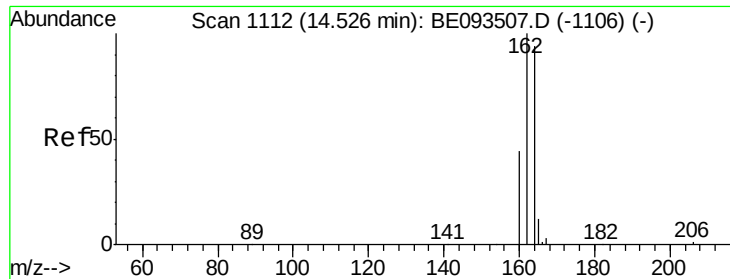
142 100

141 88.8 72.6 108.8

115 35.9 32.2 48.2







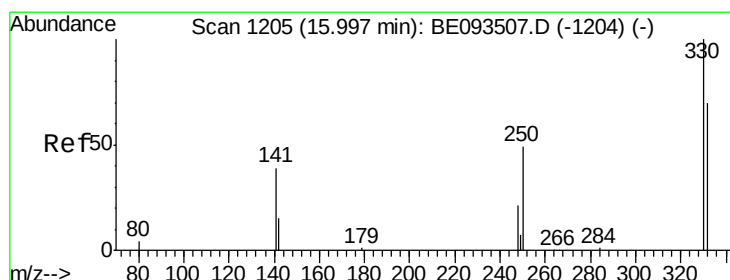
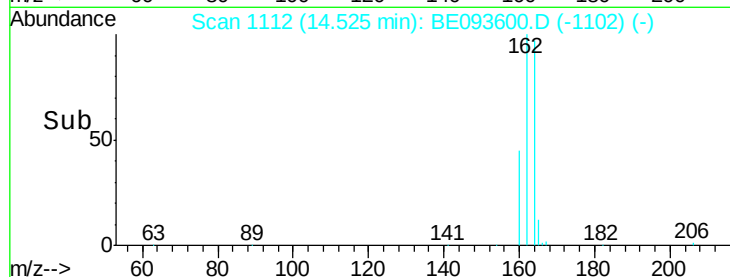
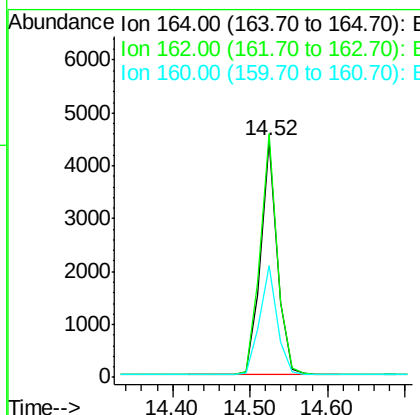
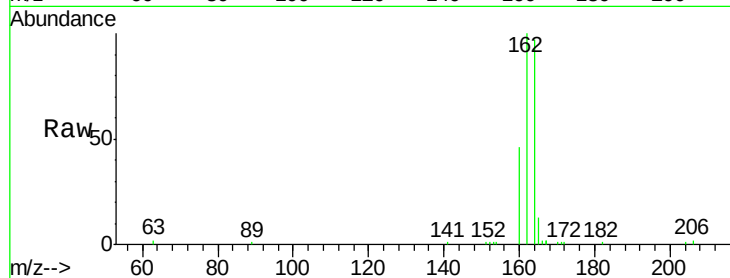
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.52 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 84.6  | 127.0 |
| 160     | 47.1  | 41.8  | 62.6  |

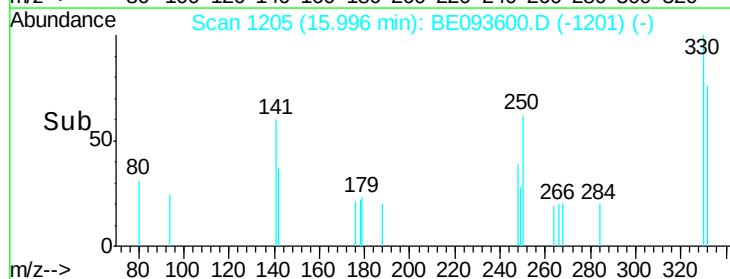
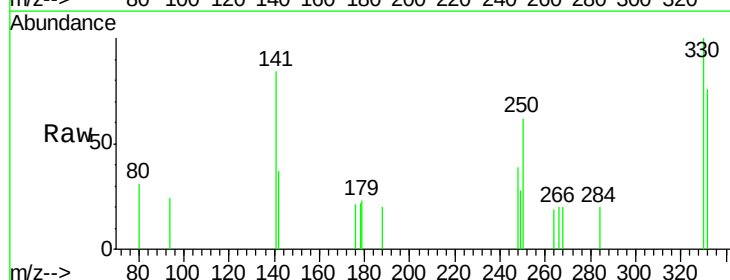
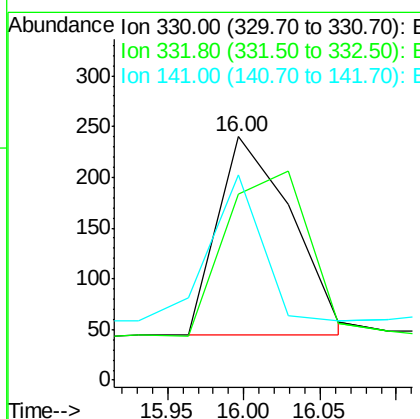
Manual Integrations  
APPROVED

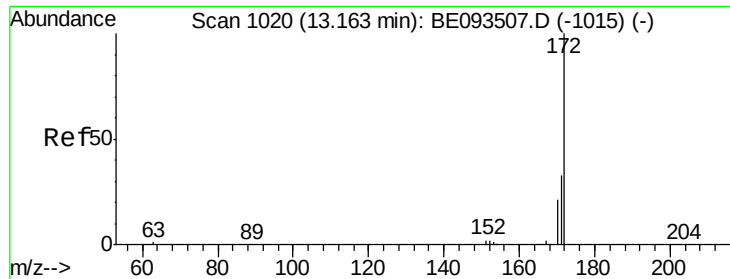
Sohil  
7/27/2017 6:20:54 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.269 ng  
RT: 16.00 min Scan# 1205  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 77.7  | 116.5# |
| 141     | 51.9  | 56.2  | 84.4#  |





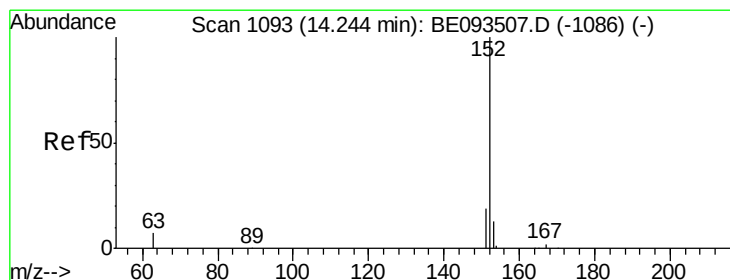
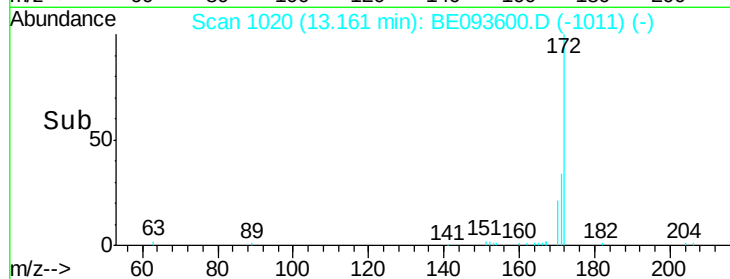
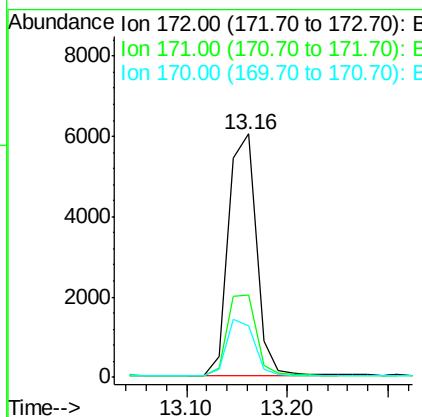
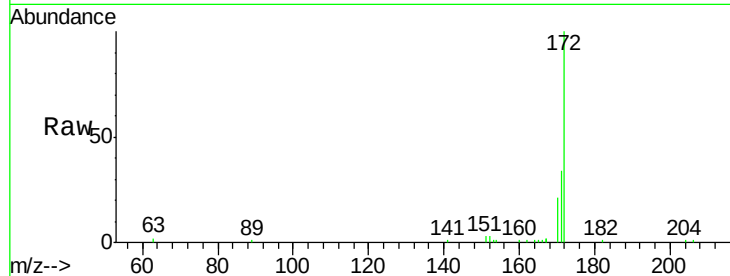
#15  
2-Fluorobiphenyl  
Concen: 0.440 ng  
RT: 13.16 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.6  | 29.8  | 44.6  |
| 170     | 21.1  | 20.7  | 31.1  |

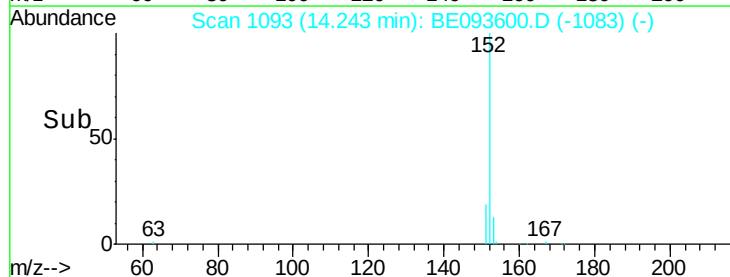
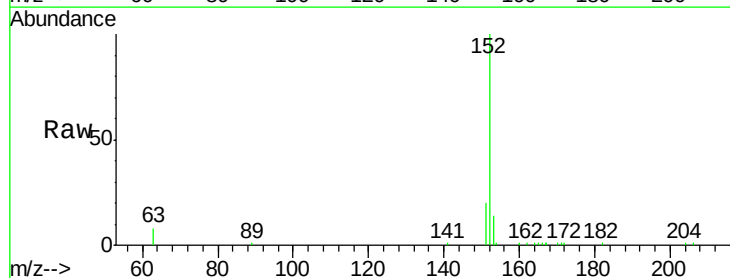
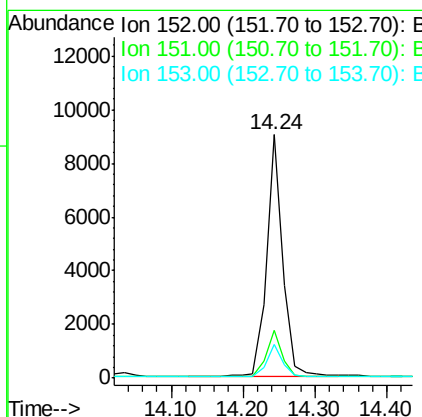
Manual Integrations  
APPROVED

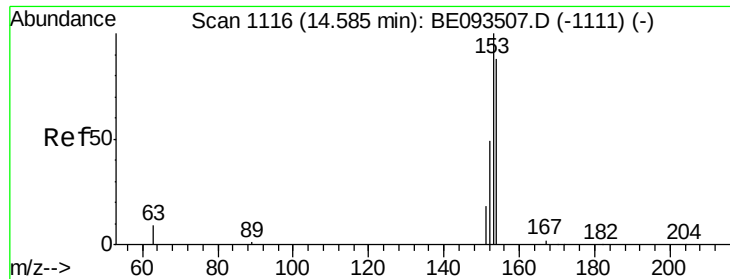
Sohil  
7/27/2017 6:20:54 PM



#16  
Acenaphthylene  
Concen: 0.425 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

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





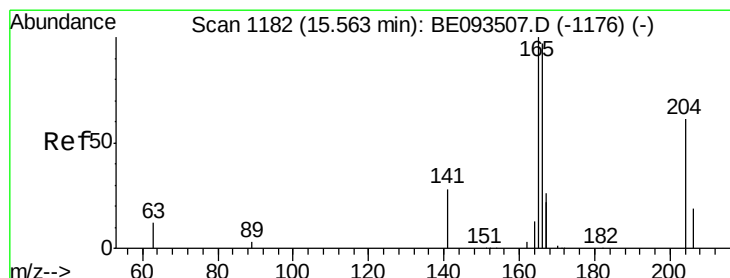
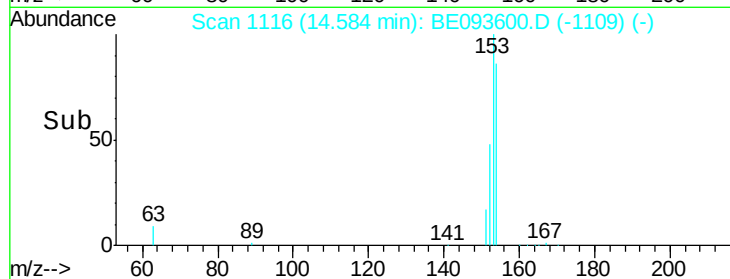
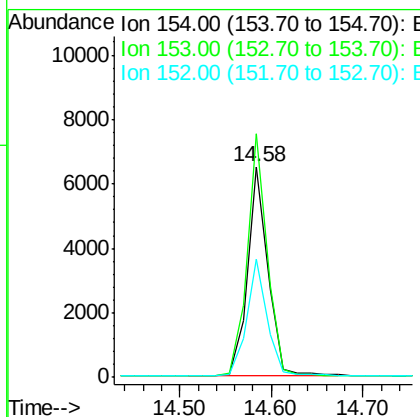
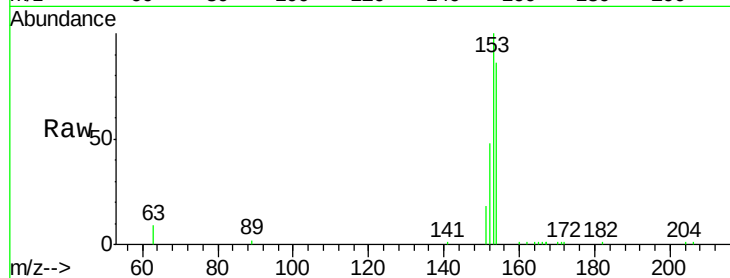
#17  
Acenaphthene  
Concen: 0.438 ng  
RT: 14.58 min Scan# 1116  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampled :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.8 | 91.2  | 136.8 |
| 152     | 54.9  | 44.8  | 67.2  |

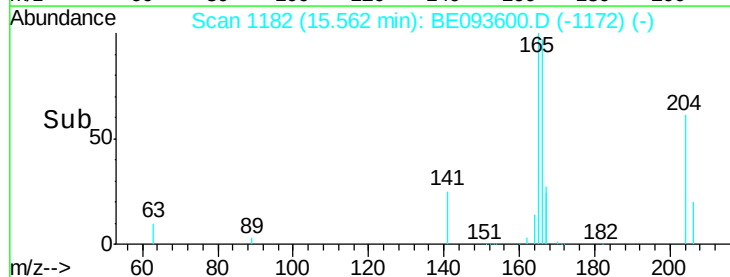
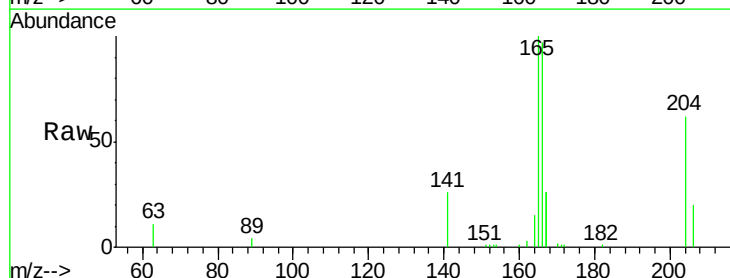
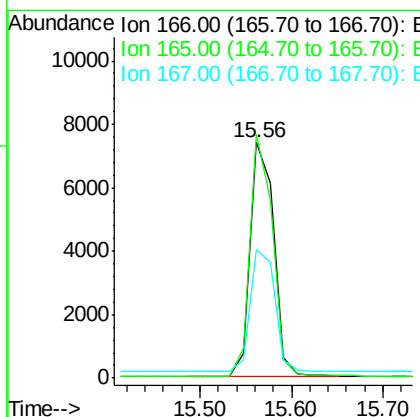
Manual Integrations  
APPROVED

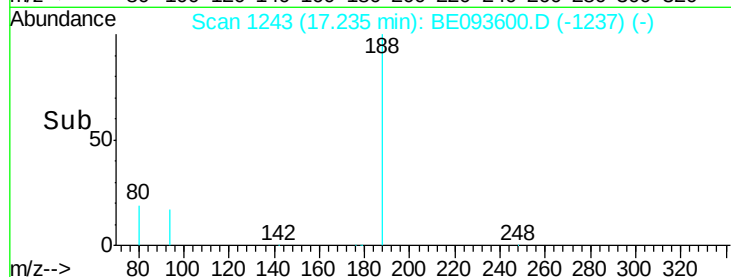
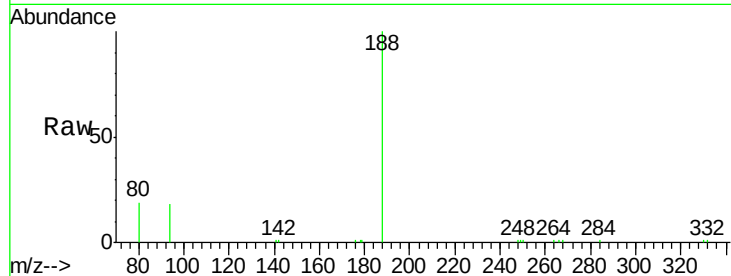
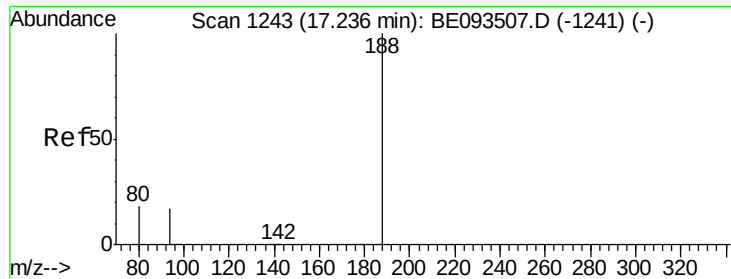
Sohil  
7/27/2017 6:20:54 PM



#18  
Fluorene  
Concen: 0.414 ng  
RT: 15.56 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.4  | 78.6  | 117.8 |
| 167     | 54.2  | 11.1  | 16.7# |





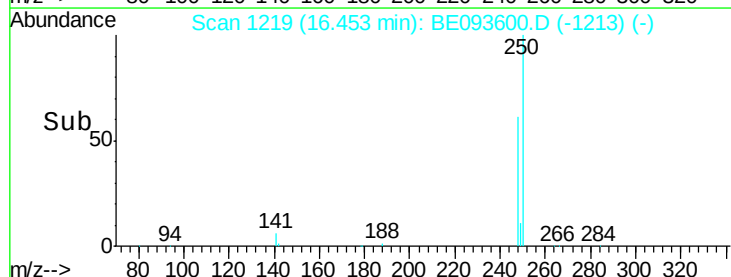
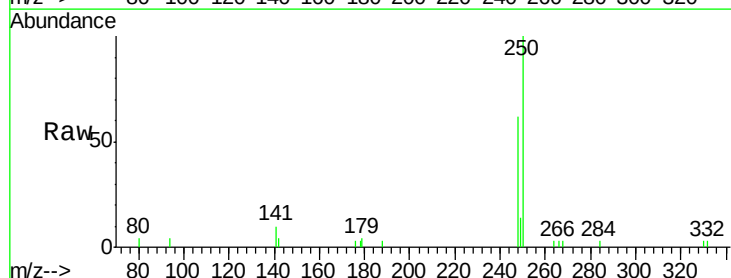
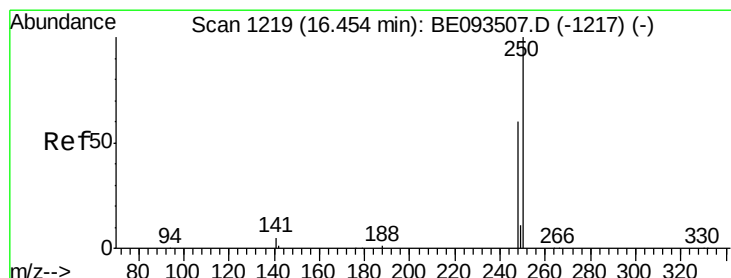
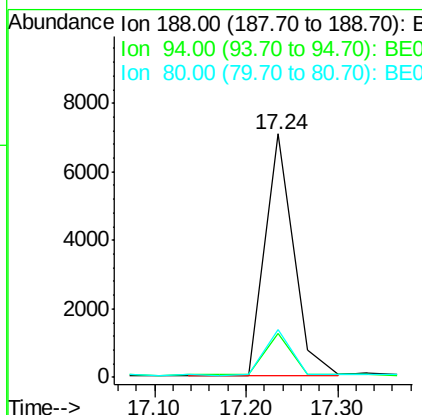
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.24 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 18.1  | 11.3  | 16.9# |
| 80      | 19.5  | 11.7  | 17.5# |

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

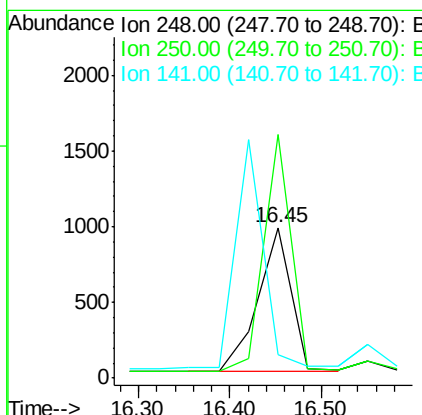
Manual Integrations  
APPROVED

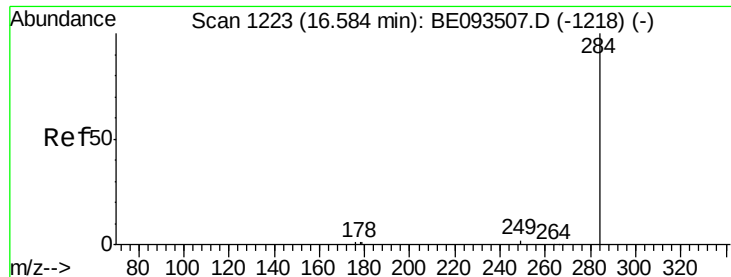
Sohil  
7/27/2017 6:20:54 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.404 ng  
RT: 16.45 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 161.6 | 128.0 | 192.0 |
| 141     | 15.6  | 12.0  | 18.0  |





#21

Hexachlorobenzene

Concen: 0.411 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

ClientSampleId :

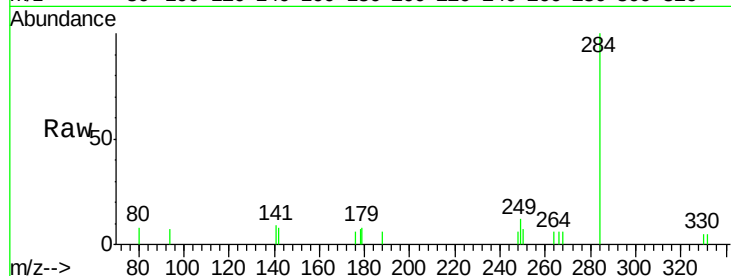
SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 2361 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 0.0   | 0.0   | 0.0  |

Manual Integrations  
APPROVED

Sohil

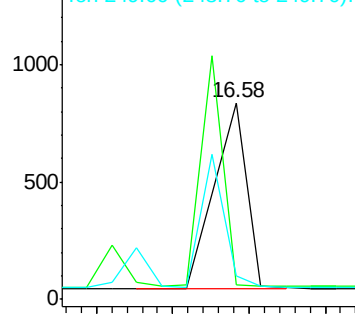
7/27/2017 6:20:54 PM



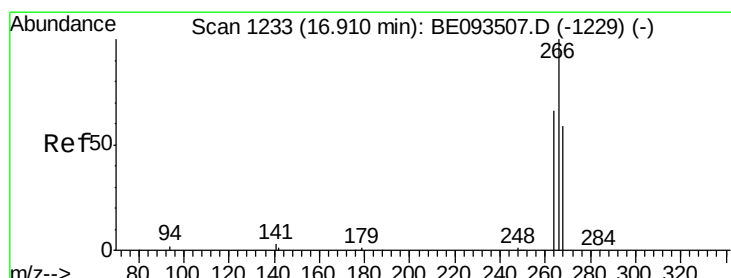
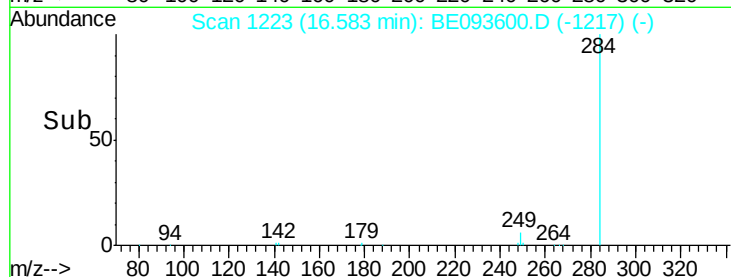
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.522 ng

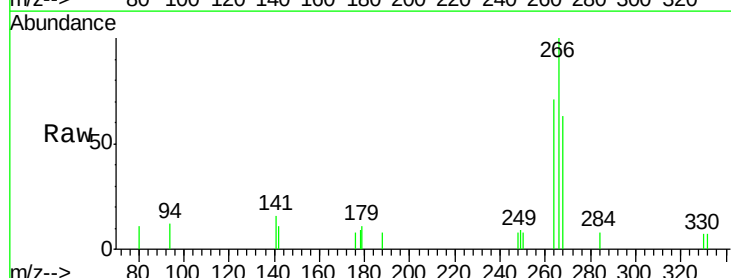
RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

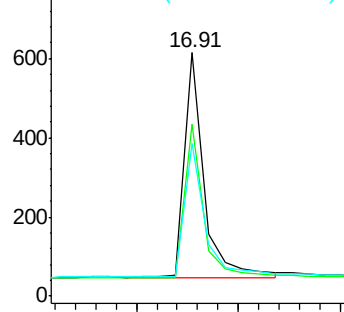
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1514 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 70.6  | 56.0  | 84.0 |
| 268       | 62.6  | 52.0  | 78.0 |



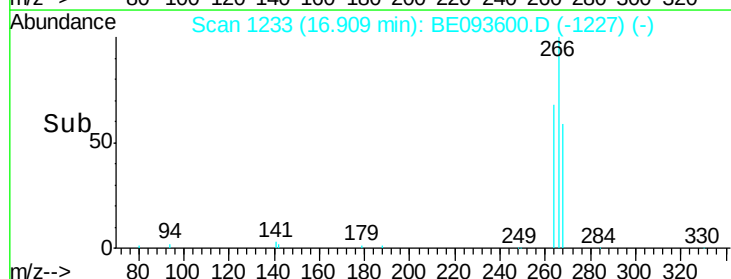
Abundance Ion 266.00 (265.70 to 266.70): E

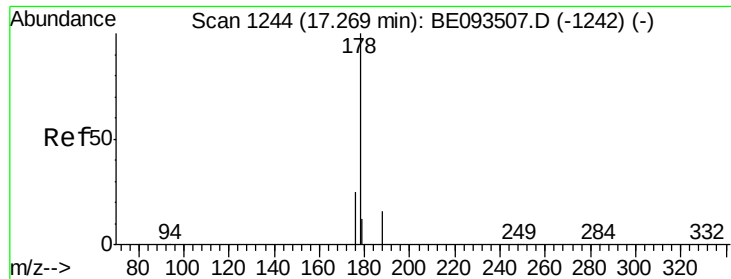
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





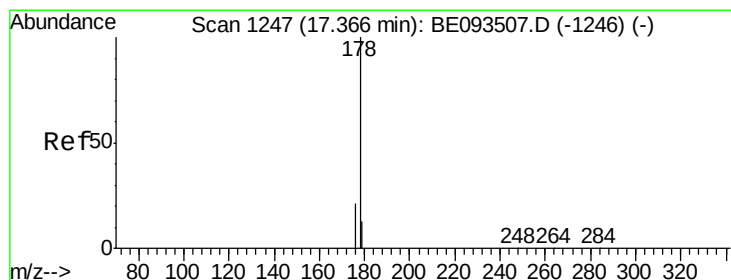
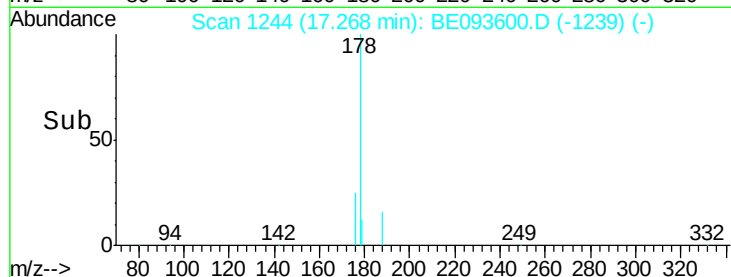
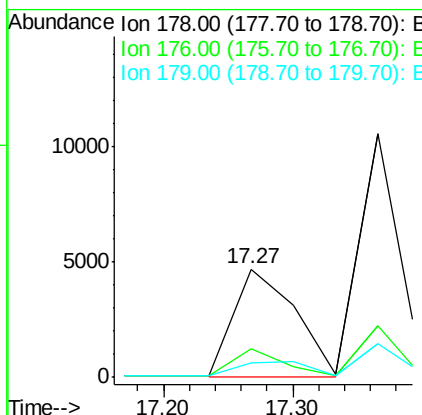
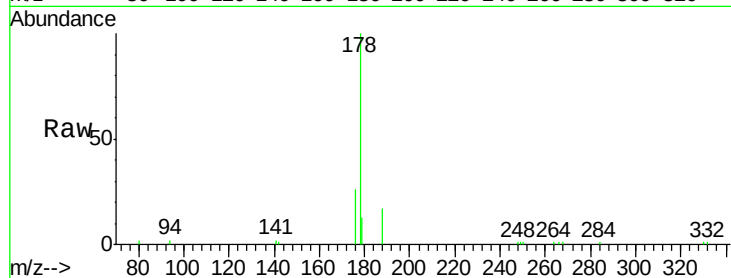
#23  
Phenanthrene  
Concen: 0.447 ng m  
RT: 17.27 min Scan# 1244  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 0.0   | 15.0  | 22.4# |
| 179     | 0.0   | 12.7  | 19.1# |

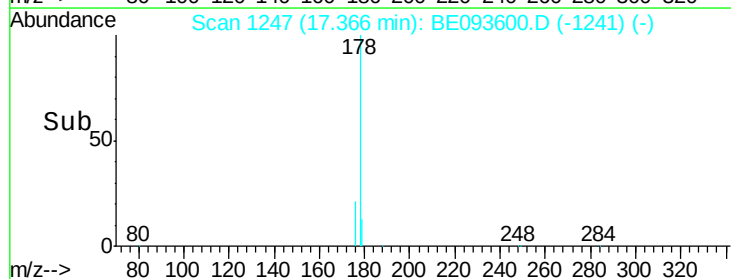
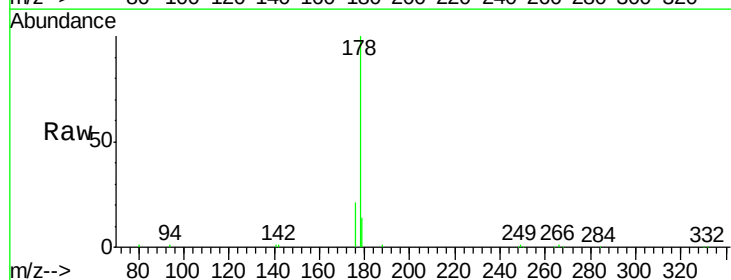
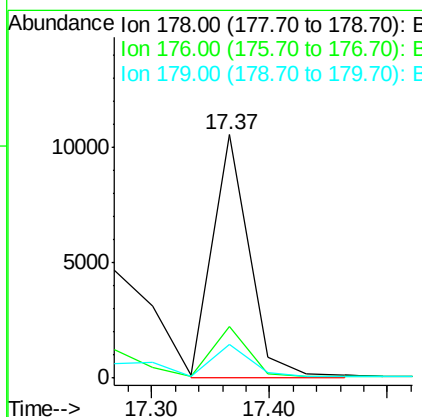
Manual Integrations  
APPROVED

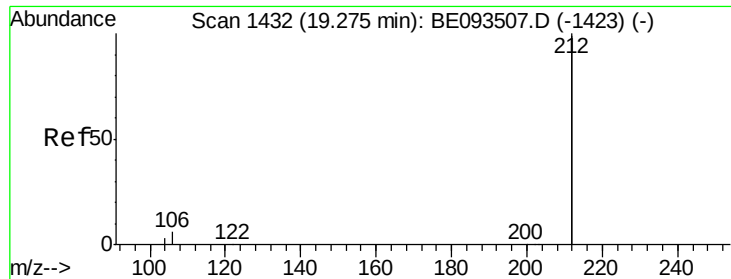
Sohil  
7/27/2017 6:20:54 PM



#24  
Anthracene  
Concen: 0.433 ng m  
RT: 17.37 min Scan# 1247  
Delta R.T. -0.00 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 33.1  | 14.6  | 22.0# |
| 179     | 23.2  | 12.0  | 18.0# |





#25

Fluoranthene-d10

Concen: 0.339 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

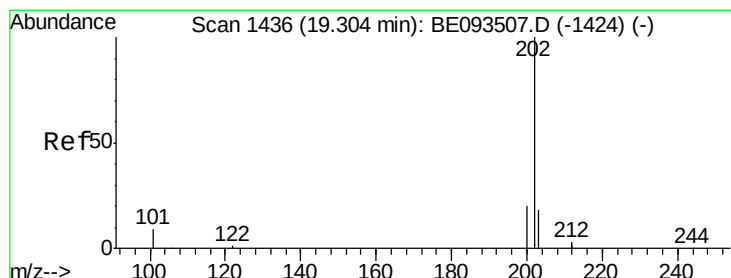
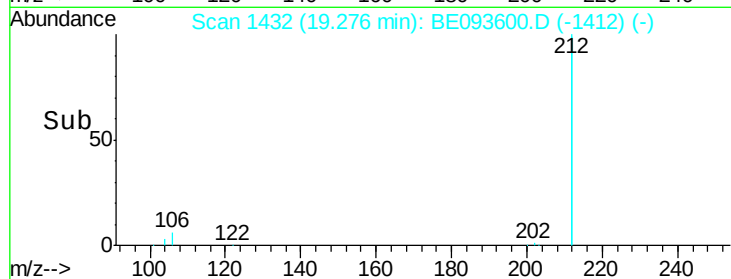
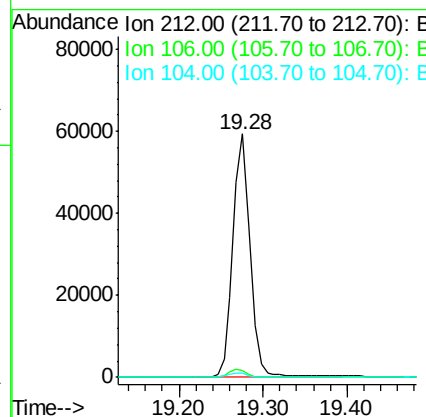
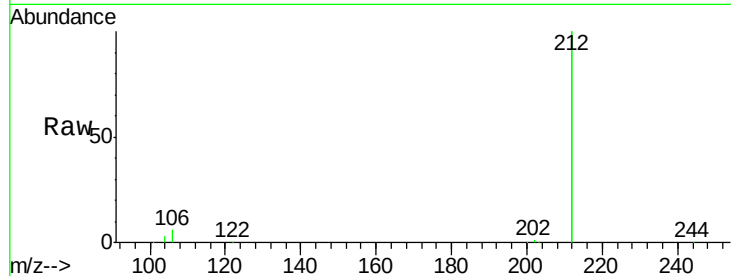
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 82745 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.4   | 2.4   | 3.6   |
| 104       | 1.9   | 1.6   | 2.4   |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#26

Fluoranthene

Concen: 0.341 ng

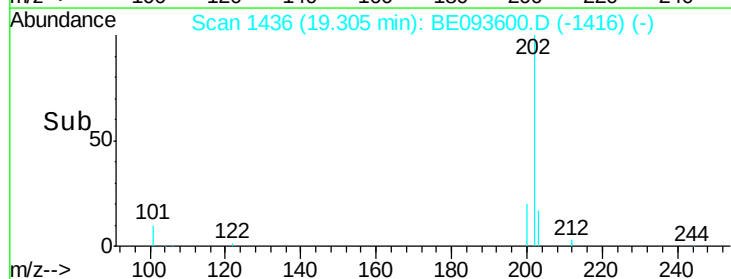
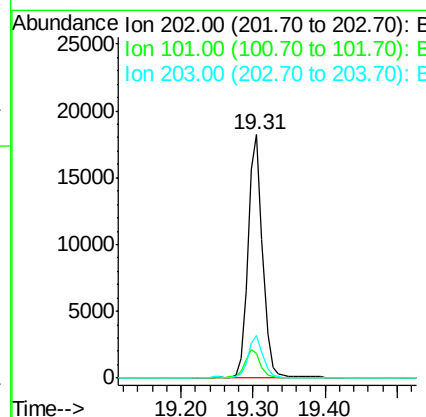
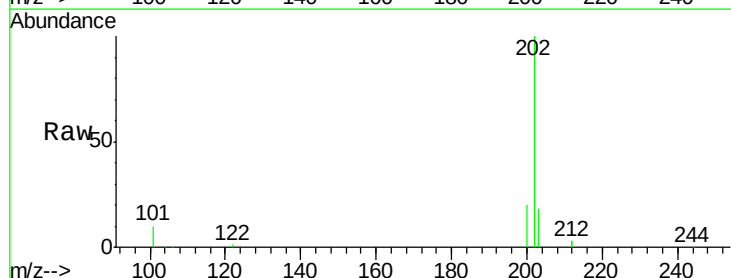
RT: 19.31 min Scan# 1436

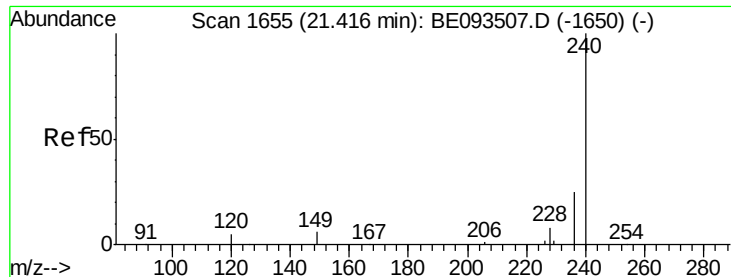
Delta R.T. 0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 25309 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.1  | 9.6   | 14.4  |
| 203       | 17.1  | 14.4  | 21.6  |





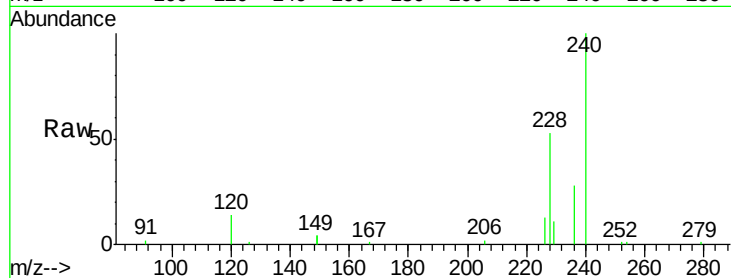
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 1654  
Delta R.T. -0.01 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

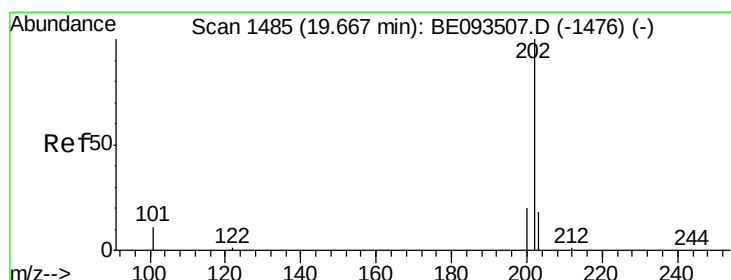
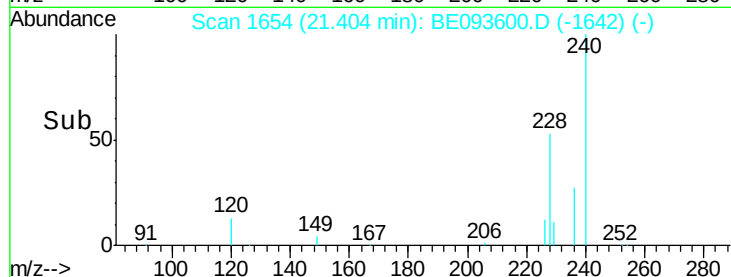
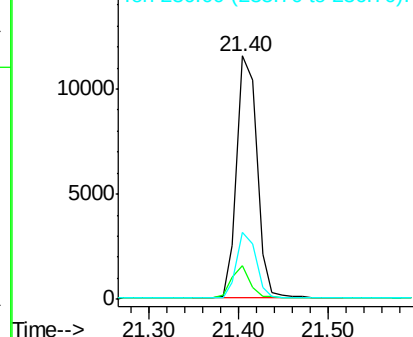
Tgt Ion:240 Resp: 18177  
Ion Ratio Lower Upper  
240 100  
120 13.7 4.6 7.0#  
236 27.7 20.8 31.2

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM

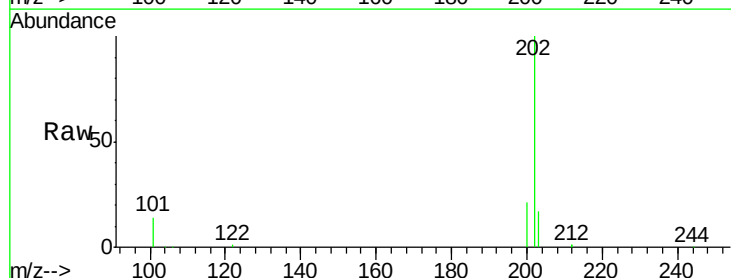


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

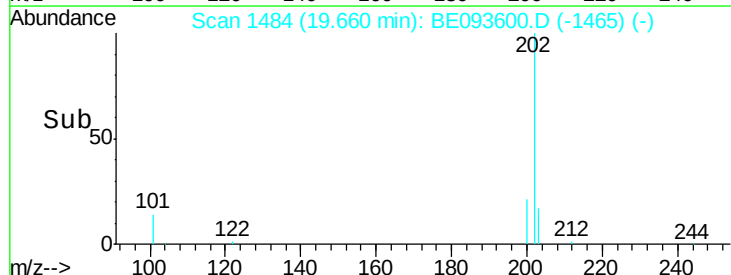
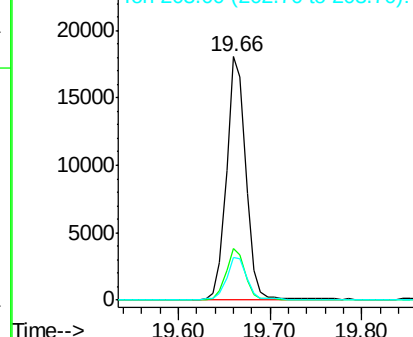


#28  
Pyrene  
Concen: 0.441 ng  
RT: 19.66 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: BE093600.D  
Acq: 26 Jul 2017 11:41

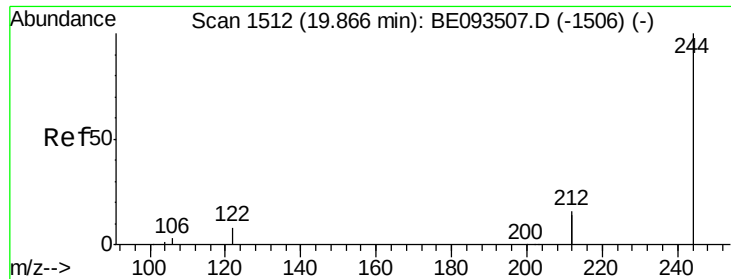
Tgt Ion:202 Resp: 25982  
Ion Ratio Lower Upper  
202 100  
200 20.6 0.0 0.0#  
203 17.6 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

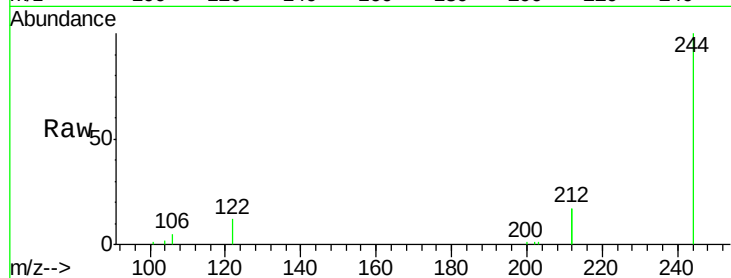






#29  
 Terphenyl-d14  
 Concen: 0.429 ng  
 RT: 19.86 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BE093600.D  
 Acq: 26 Jul 2017 11:41

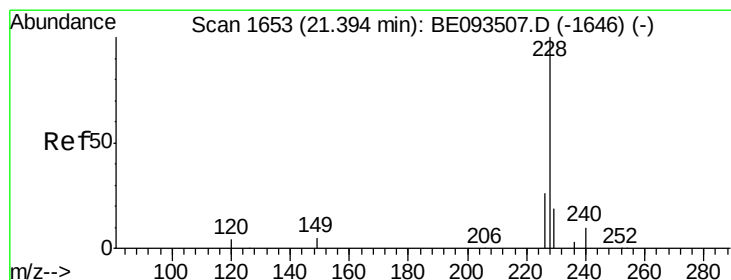
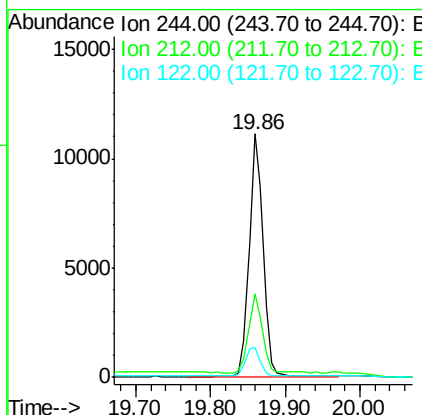
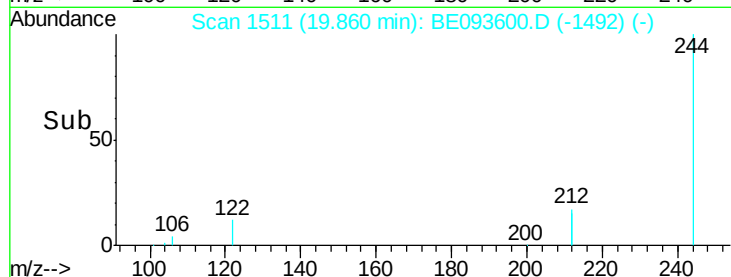
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 34.1  | 10.6  | 16.0# |
| 122     | 12.5  | 15.4  | 23.0# |

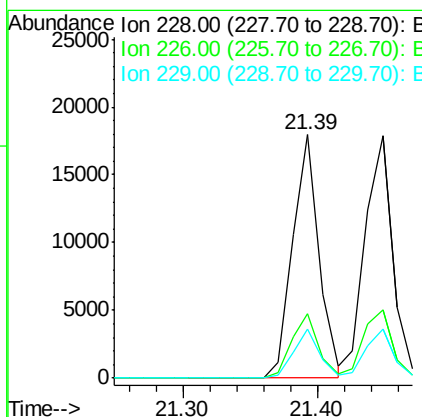
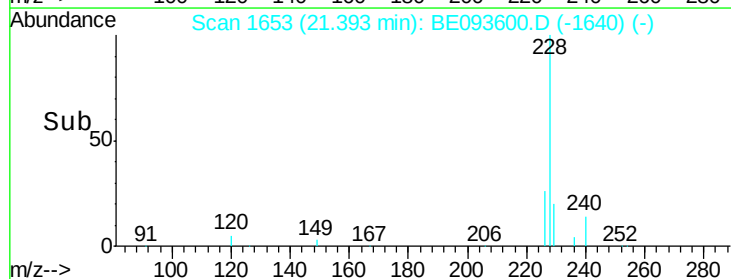
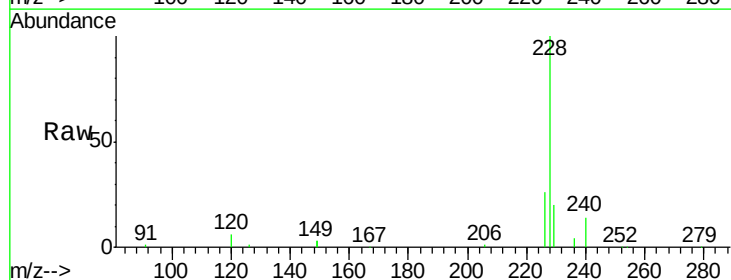
Manual Integrations  
 APPROVED

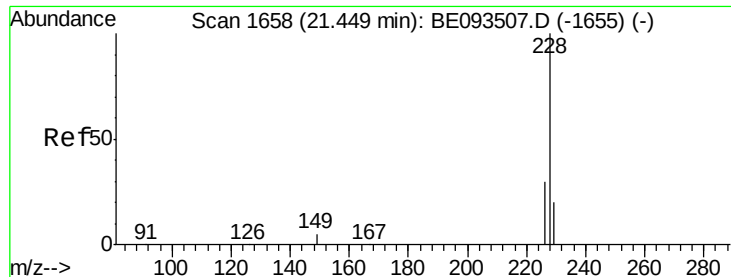
Sohil  
 7/27/2017 6:20:54 PM



#30  
 Benzo(a)anthracene  
 Concen: 0.417 ng  
 RT: 21.39 min Scan# 1653  
 Delta R.T. -0.00 min  
 Lab File: BE093600.D  
 Acq: 26 Jul 2017 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.3  | 19.7  | 29.5  |
| 229     | 20.2  | 19.2  | 28.8  |





#31

Chrysene

Concen: 0.443 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

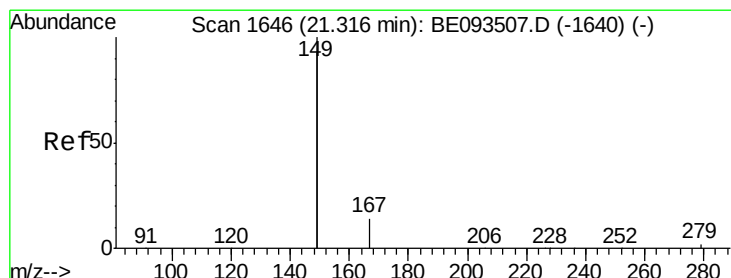
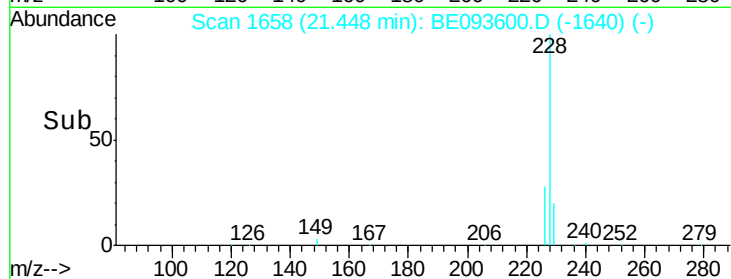
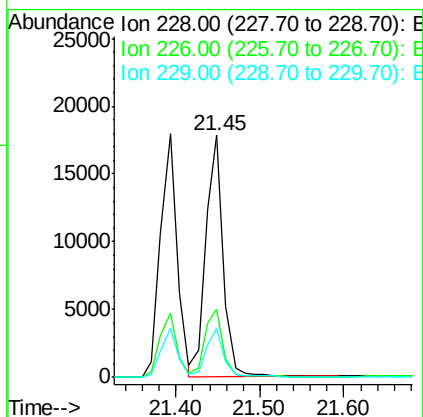
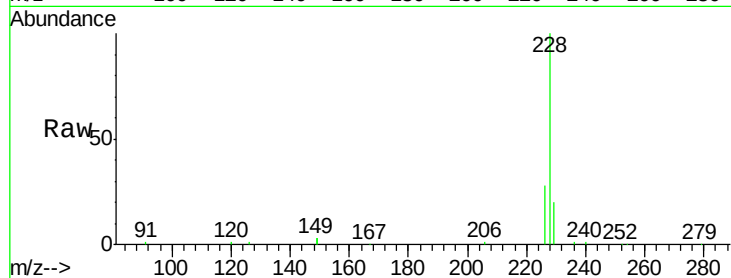
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 25654 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.4  | 21.5  | 32.3  |
| 229       | 20.2  | 18.6  | 28.0  |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.327 ng

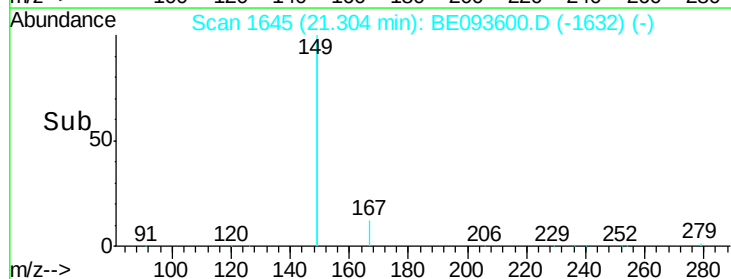
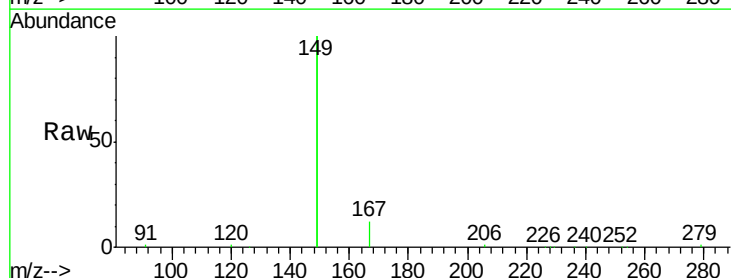
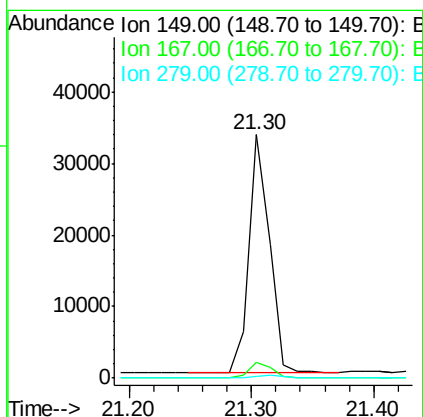
RT: 21.30 min Scan# 1645

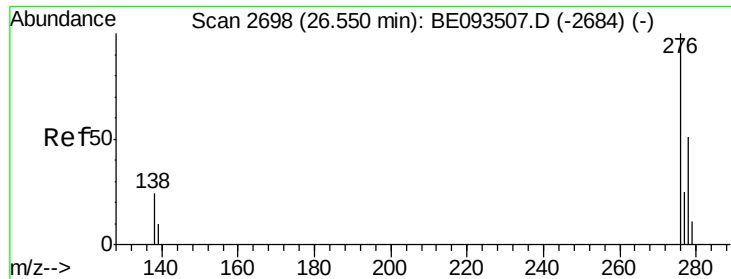
Delta R.T. -0.01 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 39002 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.7   | 4.8   | 7.2   |
| 279       | 1.0   | 0.8   | 1.2   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.479 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE093600.D

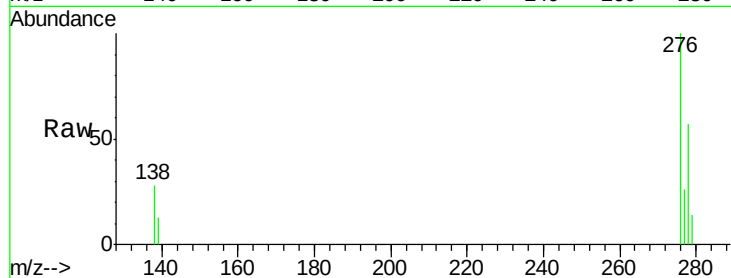
Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

ClientSampleId :

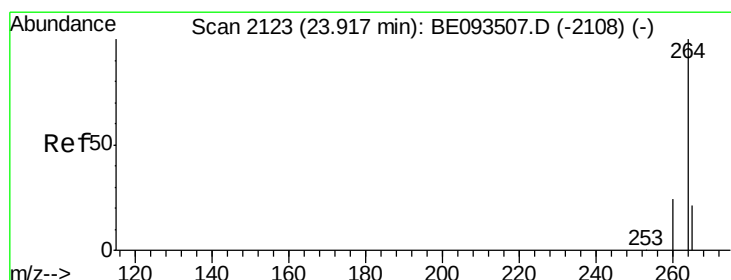
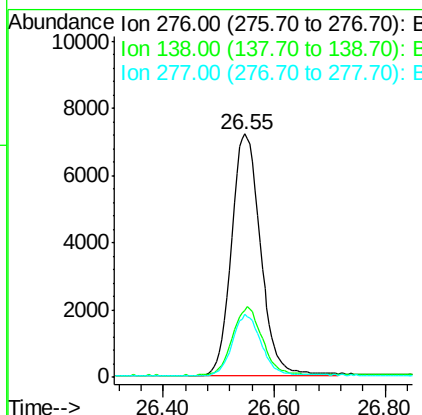
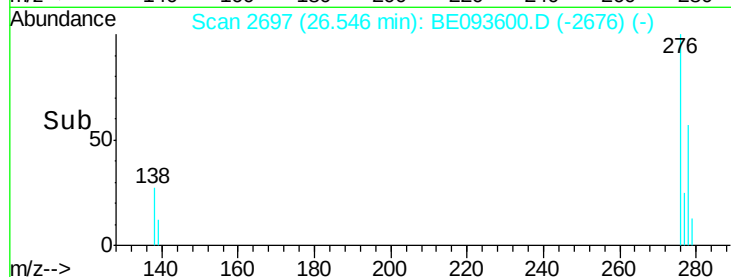
SSTDCCC0.4



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 26228 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.9  | 27.4  | 41.2  |
| 277       | 24.8  | 20.1  | 30.1  |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#34

Perylene-d12

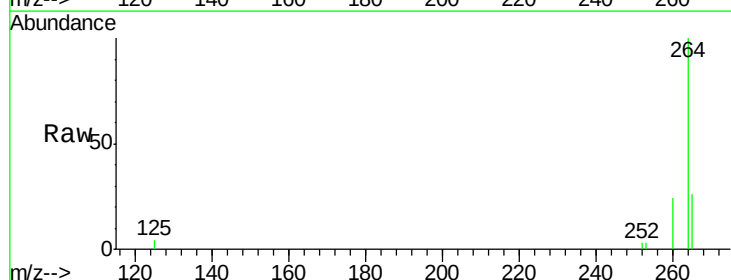
Concen: 0.400 ng

RT: 23.91 min Scan# 2122

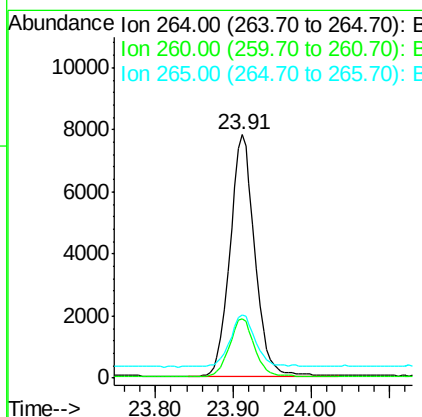
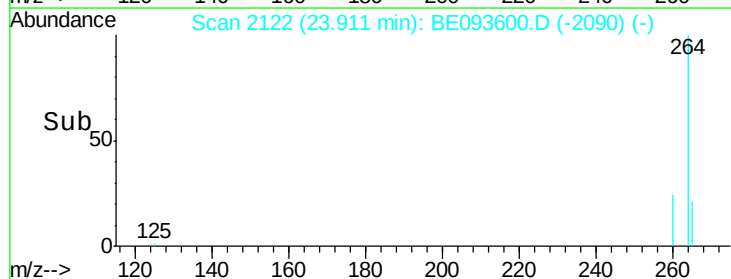
Delta R.T. -0.01 min

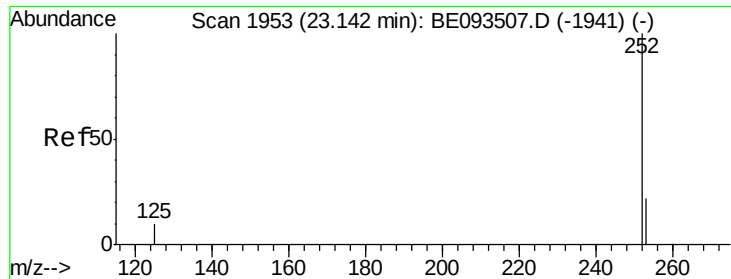
Lab File: BE093600.D

Acq: 26 Jul 2017 11:41



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 17138 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.2  | 21.0  | 31.4  |
| 265       | 25.7  | 24.6  | 36.8  |





#35

Benzo(b)fluoranthene

Concen: 0.409 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

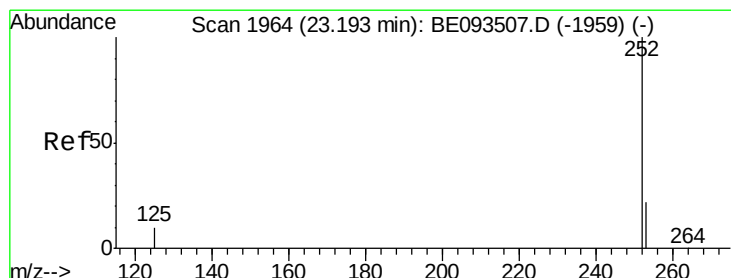
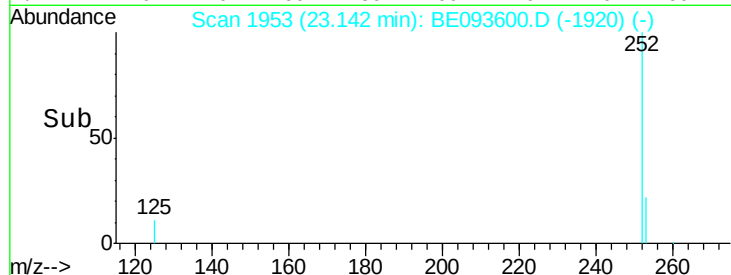
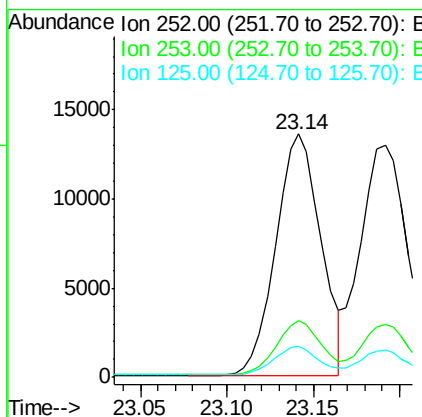
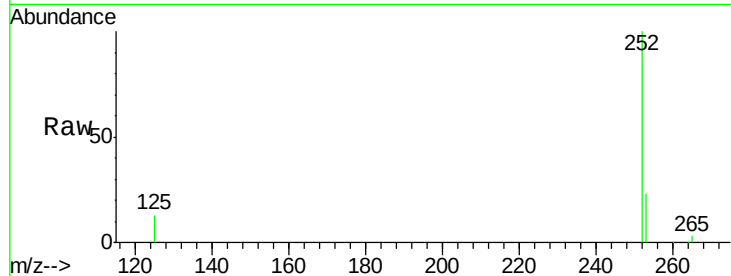
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 24632 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.1  | 18.5  | 27.7  |
| 125       | 12.5  | 13.4  | 20.0# |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM



#36

Benzo(k)fluoranthene

Concen: 0.426 ng m

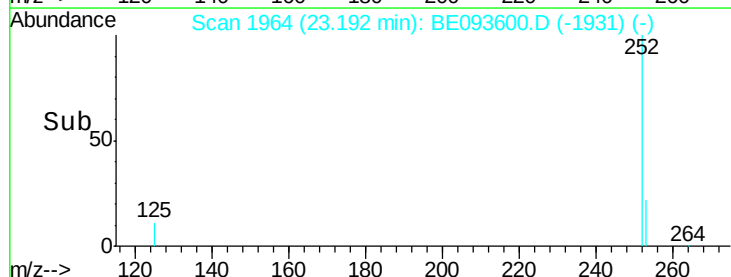
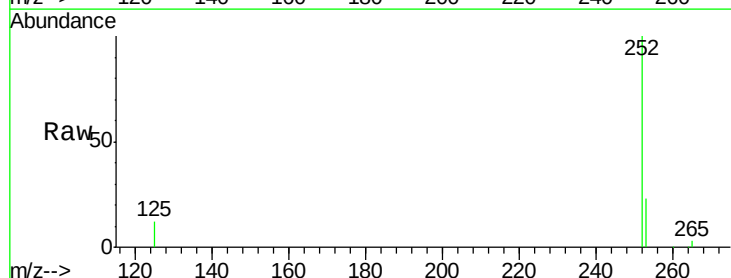
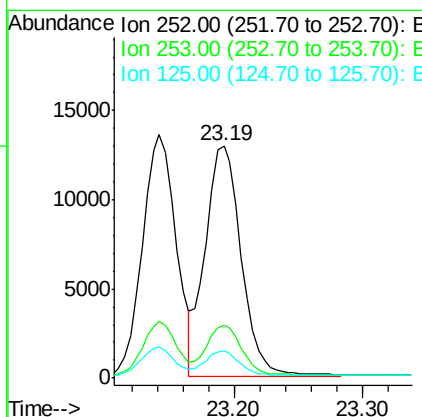
RT: 23.19 min Scan# 1964

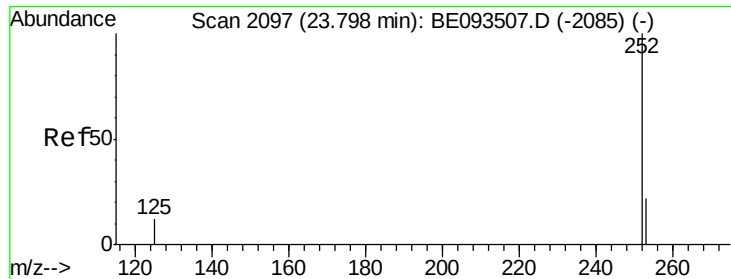
Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 25352 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.6  | 20.3  | 30.5  |
| 125       | 11.5  | 12.2  | 18.4# |





#37

Benzo(a)pyrene

Concen: 0.419 ng

RT: 23.80 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

ClientSampleId :

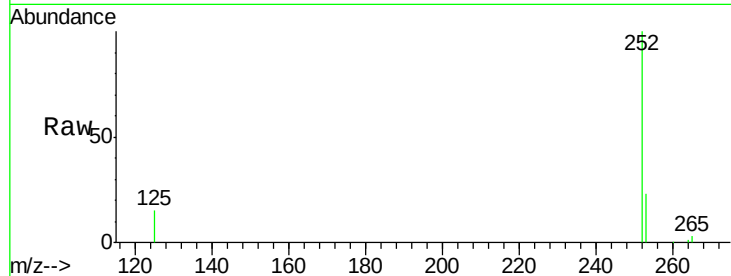
SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 23465 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.9  | 19.9  | 29.9  |
| 125       | 15.0  | 14.6  | 21.8  |

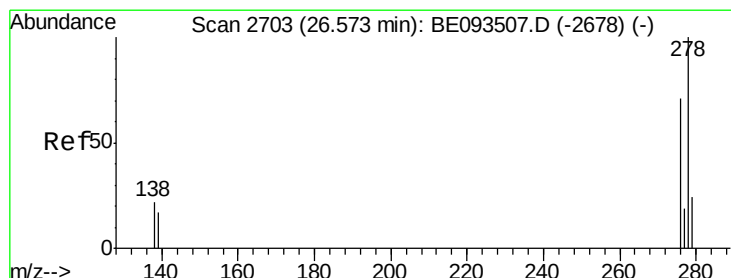
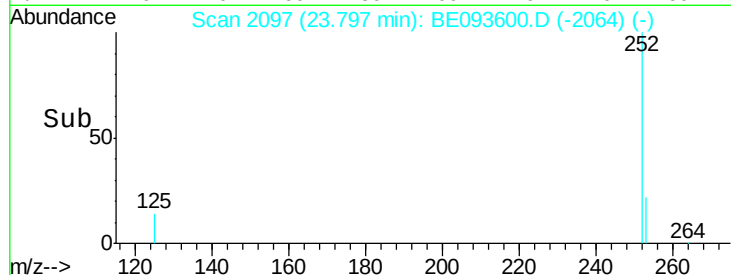
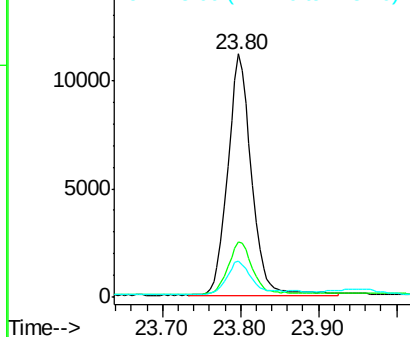
Manual Integrations  
APPROVED

Sohil

7/27/2017 6:20:54 PM



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.427 ng

RT: 26.56 min Scan# 2701

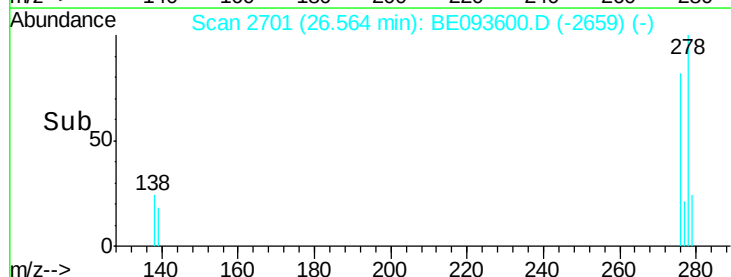
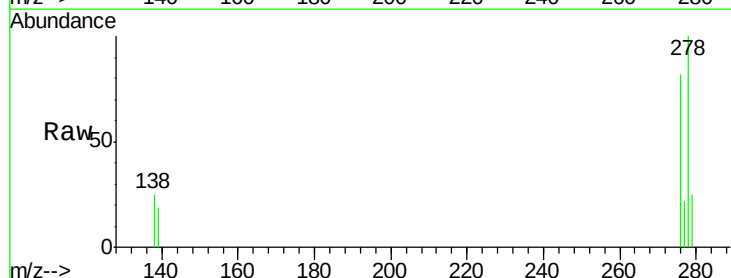
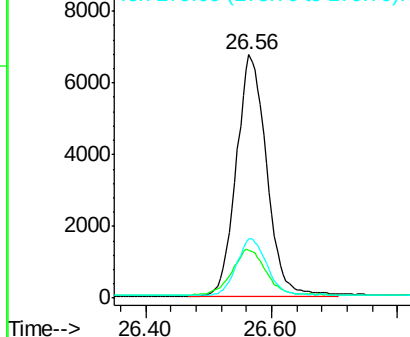
Delta R.T. -0.01 min

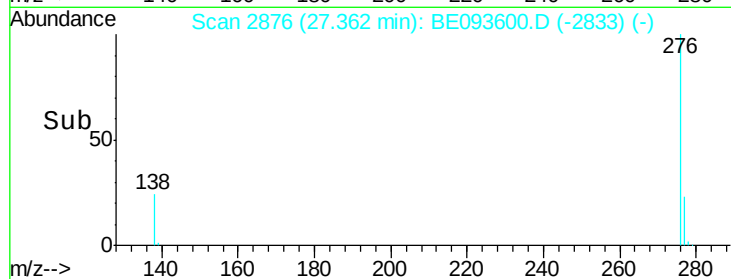
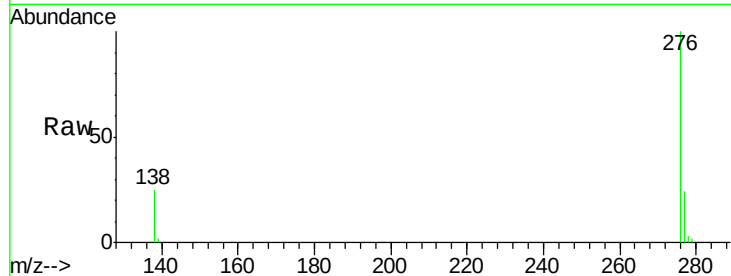
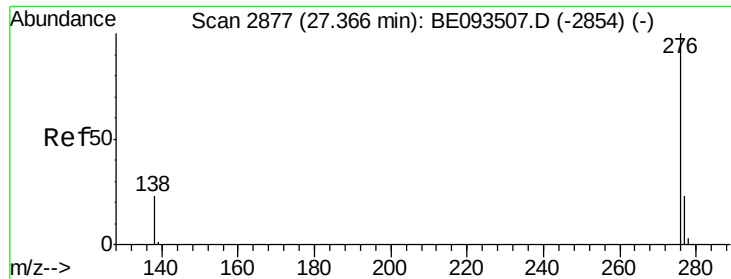
Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 22565 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 19.4  | 21.4  | 32.0# |
| 279       | 24.5  | 22.2  | 33.2  |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.412 ng

RT: 27.36 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BE093600.D

Acq: 26 Jul 2017 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 21889 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.0  | 21.2  | 31.8  |
| 138       | 25.1  | 24.5  | 36.7  |

Manual Integrations  
APPROVED

Sohil  
7/27/2017 6:20:54 PM

