

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090216\  
 Data File : BE092344.D  
 Acq On : 2 Sep 2016 15:34  
 Operator : UM/SJ  
 Sample : SSTDICCC0.4  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICCC0.4

Manual Integrations  
 APPROVED

sohil  
 9/6/2016 1:15:10 PM

Quant Time: Sep 02 16:25:52 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 16:14:41 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.19  | 152  | 7102     | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.95 | 136  | 33488    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 21585    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.56 | 188  | 52101    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 64636    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.09 | 264  | 69873    | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.69  | 112 | 575  | 0.30 | ng | 0.00 |
| 5) Phenol-d6                | 7.36  | 99  | 695  | 0.27 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.36  | 82  | 759  | 0.31 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 16.32 | 330 | 215  | 0.25 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 13.45 | 172 | 2387 | 0.36 | ng | 0.00 |
| 26) Terphenyl-d14           | 20.17 | 244 | 3601 | 0.40 | ng | 0.00 |

|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.42  | 88  | 415    | 0.41 | ng | 97     |
| 3) n-Nitrosodimethylamine      | 3.80  | 42  | 315    | 0.30 | ng | # 99   |
| 6) bis(2-Chloroethyl)ether     | 7.61  | 93  | 579    | 0.29 | ng | # 5    |
| 9) Naphthalene                 | 11.01 | 128 | 2866   | 0.39 | ng | 98     |
| 10) Hexachlorobutadiene        | 11.30 | 225 | 462    | 0.39 | ng | 99     |
| 11) 2-Methylnaphthalene        | 12.65 | 142 | 1823   | 0.37 | ng | 92     |
| 15) Acenaphthylene             | 14.53 | 152 | 13337  | 0.36 | ng | 100    |
| 16) Acenaphthene               | 14.88 | 154 | 2214   | 0.37 | ng | 97     |
| 17) Fluorene                   | 15.87 | 166 | 2722   | 0.36 | ng | 100    |
| 19) Hexachlorobenzene          | 16.89 | 284 | 907    | 0.40 | ng | # 63   |
| 20) Pentachlorophenol          | 17.26 | 266 | 149    | 0.20 | ng | 91     |
| 21) Phenanthrene               | 17.60 | 178 | 5312   | 0.42 | ng | # 99   |
| 22) Anthracene                 | 17.69 | 178 | 4312   | 0.35 | ng | 99     |
| 23) Fluoranthene               | 19.61 | 202 | 22581  | 0.36 | ng | 99     |
| 25) Pyrene                     | 19.97 | 202 | 23968  | 0.41 | ng | 99     |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 27319  | 0.38 | ng | # 77   |
| 28) Chrysene                   | 21.77 | 228 | 26005m | 0.43 | ng |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 3205   | 0.46 | ng | # 68   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.58 | 276 | 28850  | 0.41 | ng | 99     |
| 32) Benzo(b)fluoranthene       | 23.36 | 252 | 6346   | 0.34 | ng | 100    |
| 33) Benzo(k)fluoranthene       | 23.40 | 252 | 7295   | 0.40 | ng | 96     |
| 34) Benzo(a)pyrene             | 23.98 | 252 | 6309   | 0.35 | ng | 96     |
| 35) Dibenzo(a,h)anthracene     | 26.60 | 278 | 5804   | 0.34 | ng | 98     |
| 36) Benzo(g,h,i)perylene       | 27.35 | 276 | 25657  | 0.37 | ng | 96     |

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

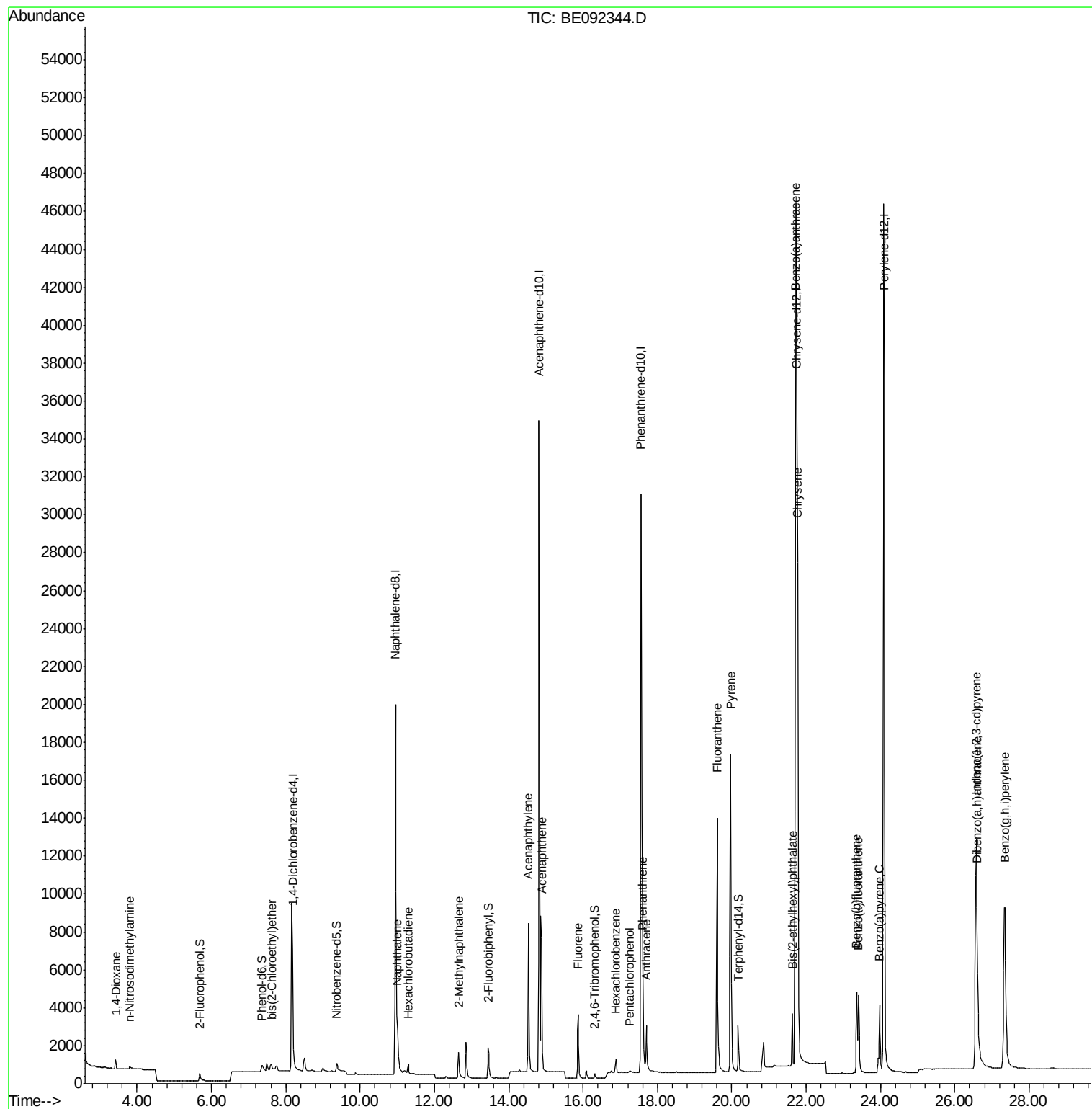
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090216\  
Data File : BE092344.D  
Acq On : 2 Sep 2016 15:34  
Operator : UM/SJ  
Sample : SSTDICCC0.4  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

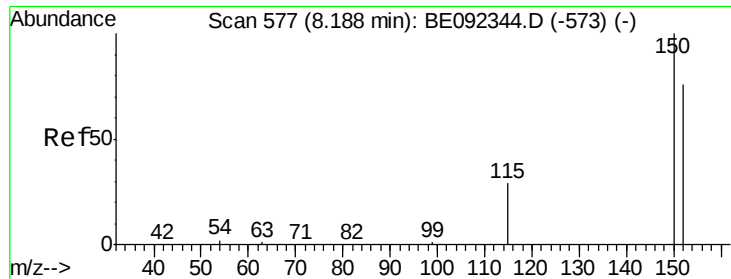
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM

Quant Time: Sep 02 16:25:52 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090216.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 16:14:41 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.19 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092344.D

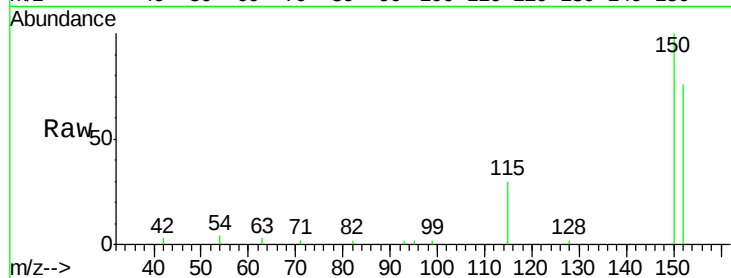
Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

ClientSampled :

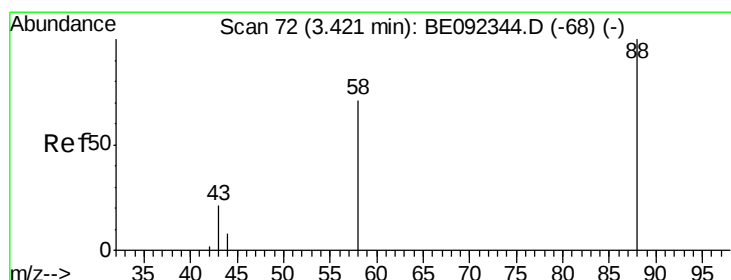
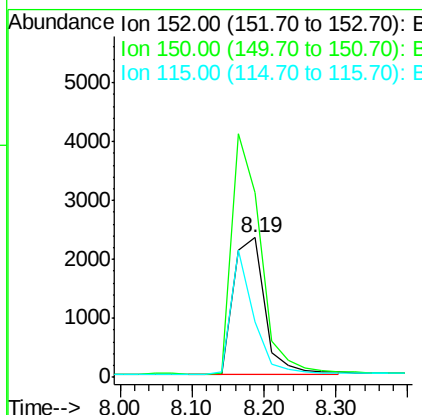
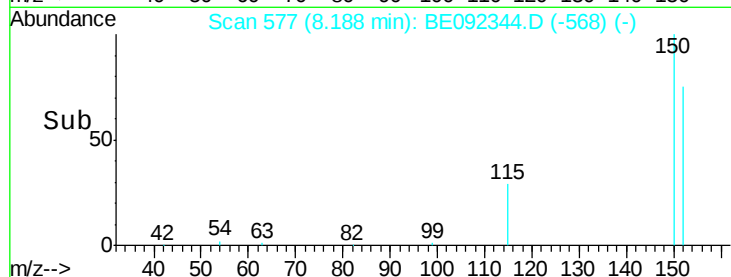
SSTDICCC0.4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 7102  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 132.0 | 106.0 | 159.0 |
| 115      | 39.4  | 31.2  | 46.8  |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#2

1,4-Dioxane

Concen: 0.41 ng

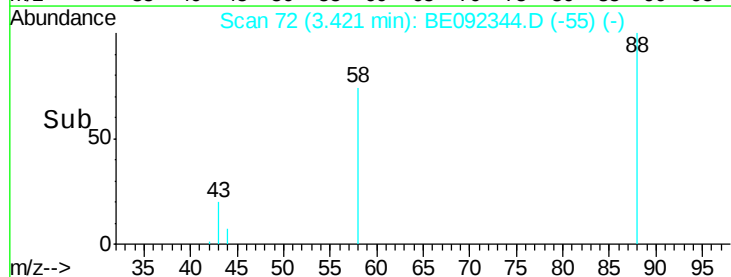
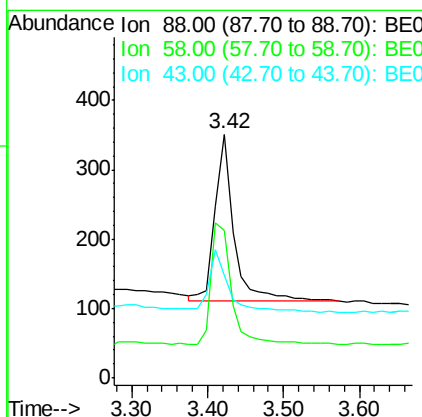
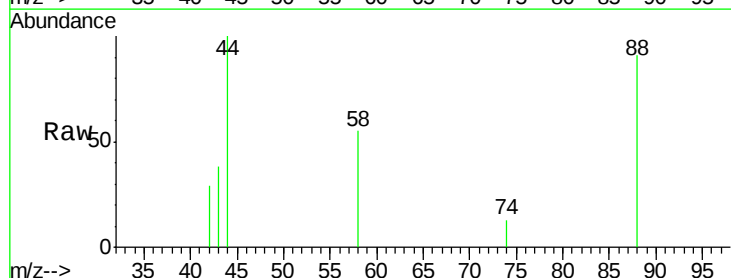
RT: 3.42 min Scan# 72

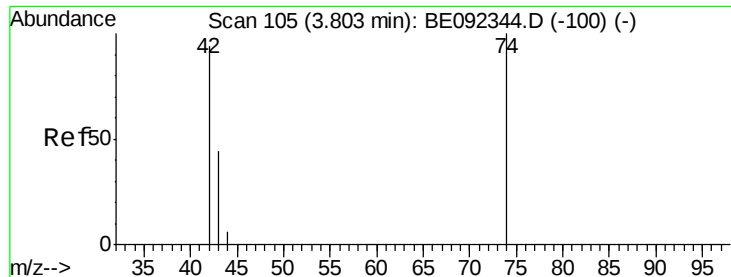
Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 415   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 78.8  | 63.6  | 95.4  |
| 43       | 40.2  | 28.0  | 42.0  |





#3

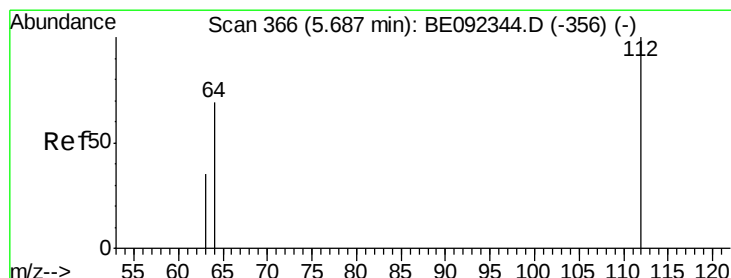
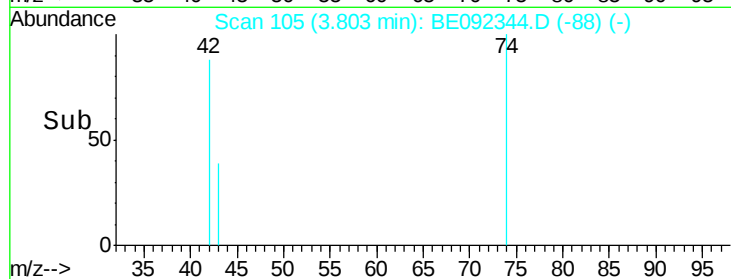
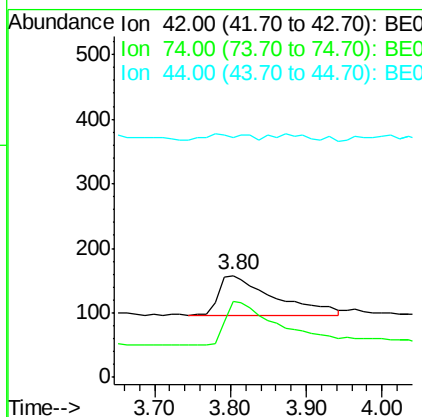
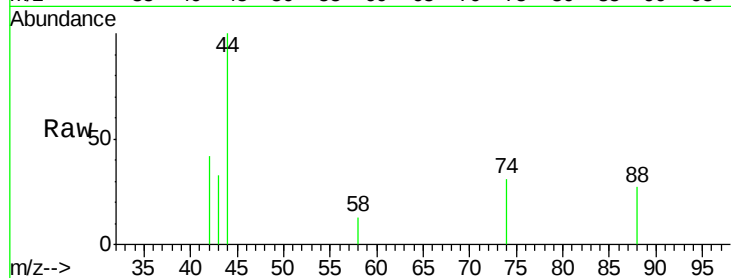
n-Nitrosodimethylamine  
 Concen: 0.30 ng  
 RT: 3.80 min Scan# 105  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 107.3 | 86.0  | 129.0 |
| 44      | 0.0   | 5.1   | 7.7#  |

Manual Integrations  
 APPROVED

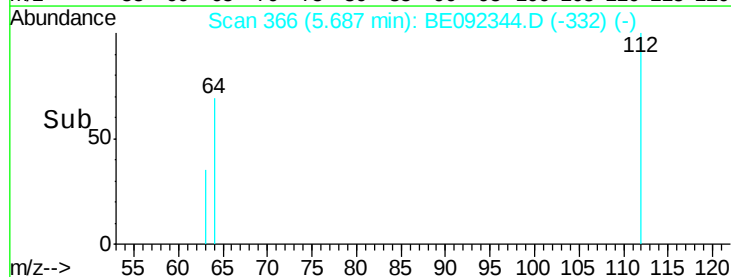
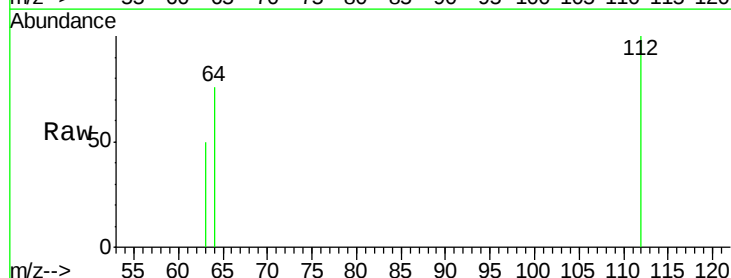
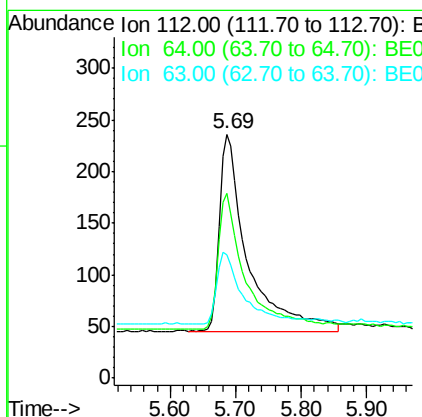
sohil  
 9/6/2016 1:15:10 PM

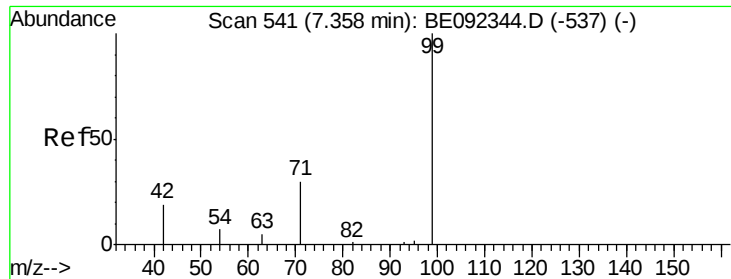


#4

2-Fluorophenol  
 Concen: 0.30 ng  
 RT: 5.69 min Scan# 366  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.4  | 53.5  | 80.3  |
| 63      | 34.1  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 0.27 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

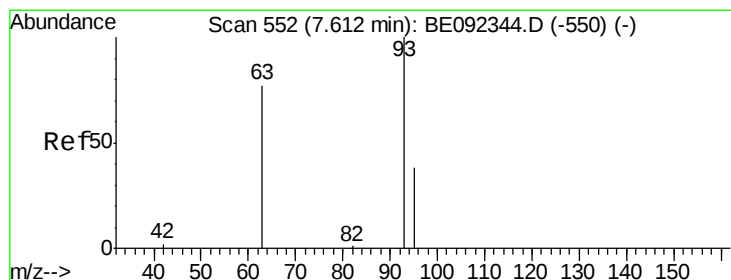
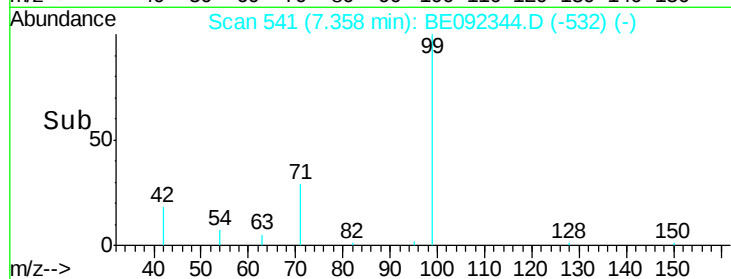
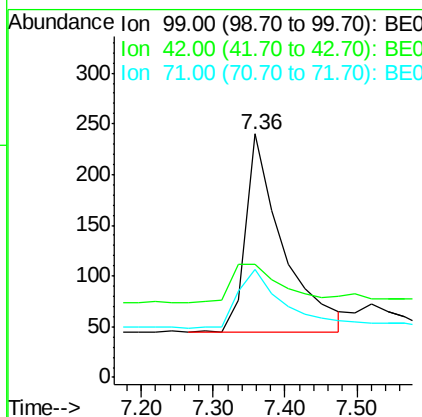
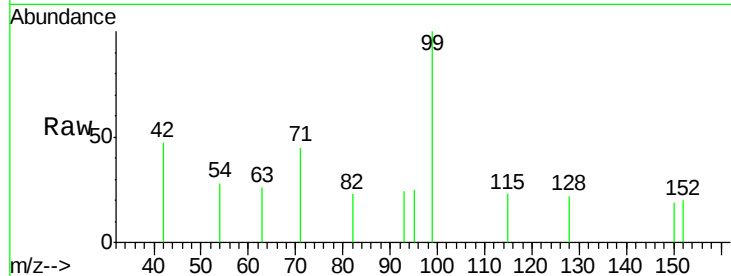
ClientSampleId :

SSTDICCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 695   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 25.5  | 0.0   | 0.0#  |
| 71       | 36.3  | 30.6  | 45.8  |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.29 ng

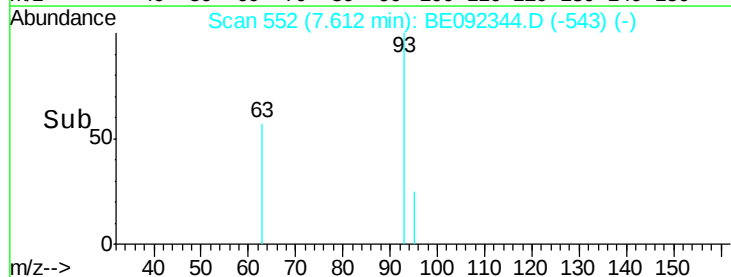
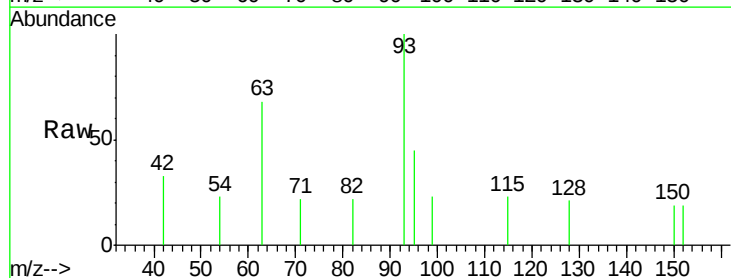
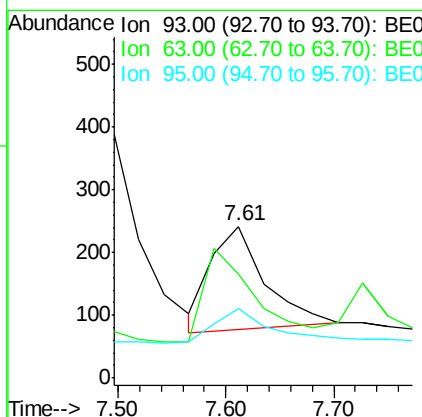
RT: 7.61 min Scan# 552

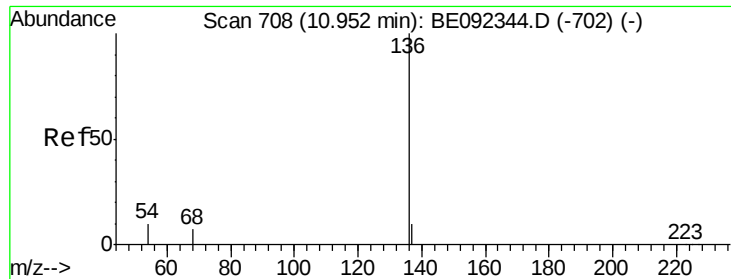
Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 579    |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 0.0   | 71.6  | 107.4# |
| 95       | 35.8  | 0.0   | 0.0#   |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

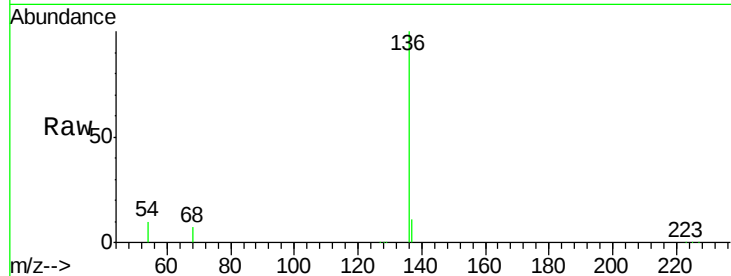
ClientSampleId :

SSTDICCC0.4

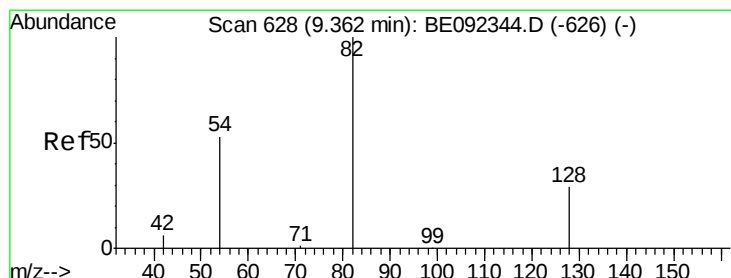
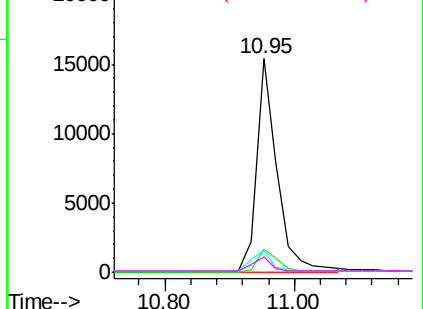
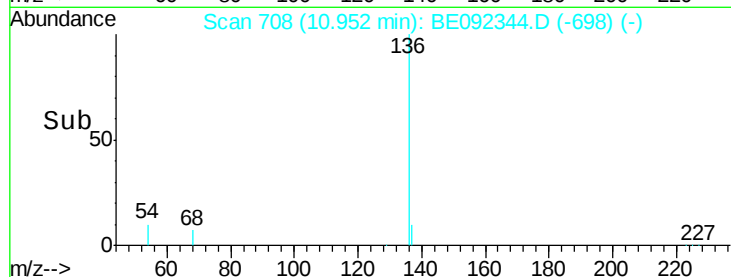
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 33488 |       |       |
| 137     | 10.7  | 8.2   | 12.4  |       |
| 54      | 10.1  | 9.6   | 14.4  |       |
| 68      | 7.2   | 6.7   | 10.1  |       |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



Abundance Ion 136.00 (135.70 to 136.70): BE0  
Ion 137.00 (136.70 to 137.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.31 ng

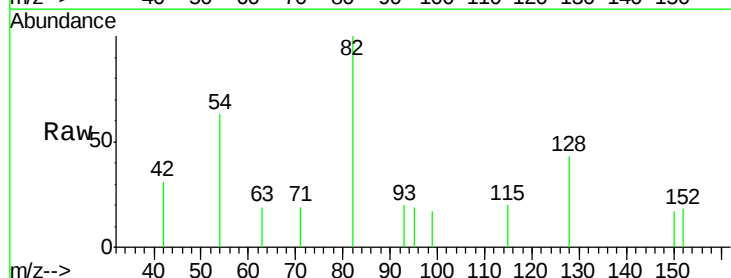
RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

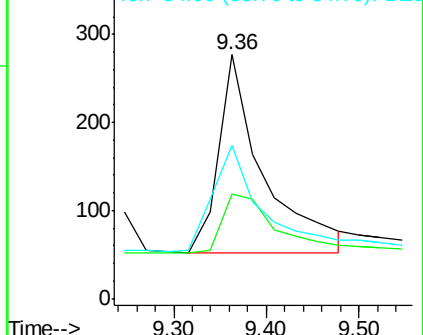
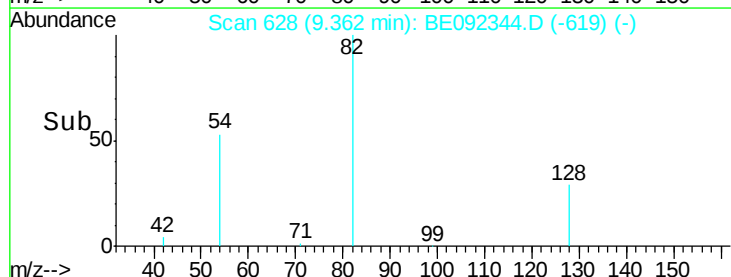
Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 759  |       |       |
| 128     | 42.6  | 39.0 | 58.4  |       |
| 54      | 62.8  | 44.8 | 67.2  |       |



Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0





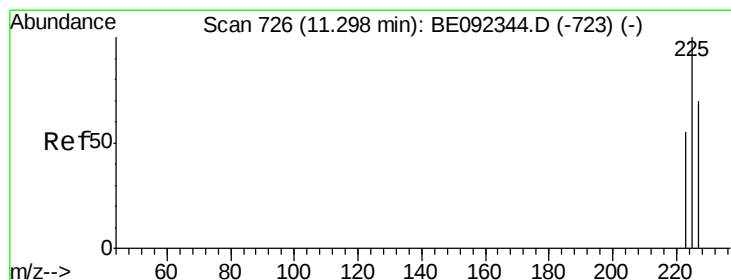
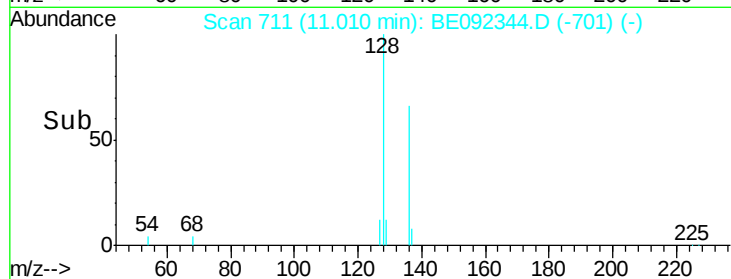
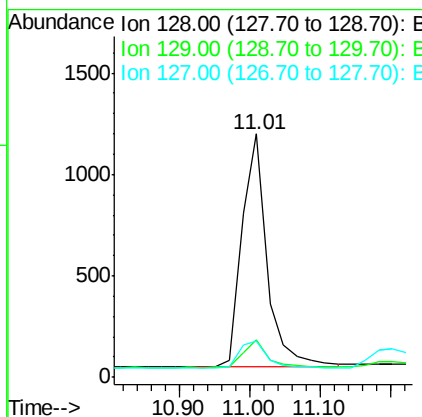
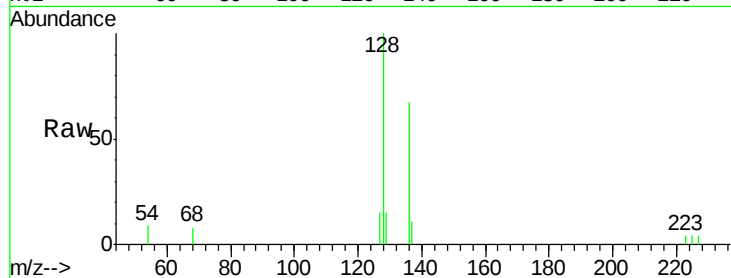
#9  
Naphthalene  
Concen: 0.39 ng  
RT: 11.01 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 15.3  | 11.2  | 16.8  |
| 127     | 14.9  | 11.6  | 17.4  |

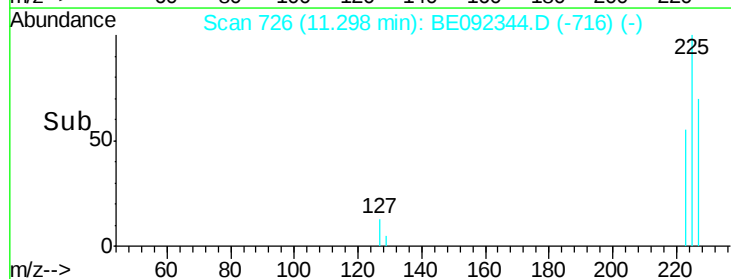
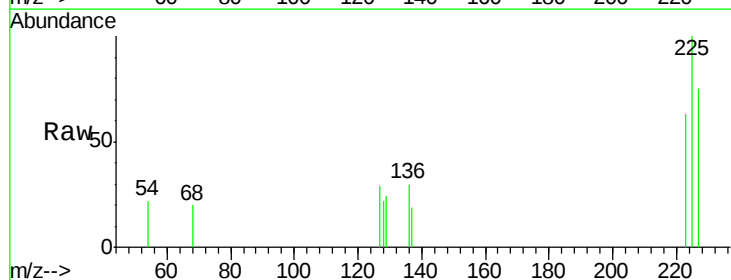
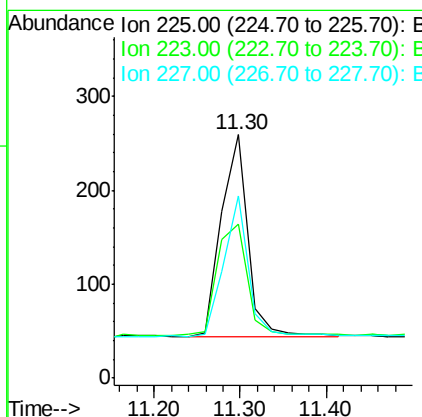
Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#10  
Hexachlorobutadiene  
Concen: 0.39 ng  
RT: 11.30 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 50.6  | 76.0  |
| 227     | 64.9  | 51.4  | 77.0  |





#11

2-Methylnaphthalene

Concen: 0.37 ng

RT: 12.65 min Scan# 816

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

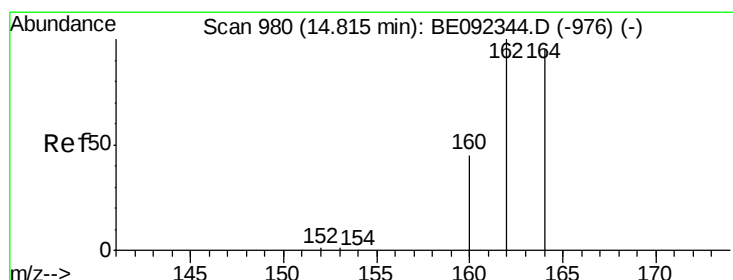
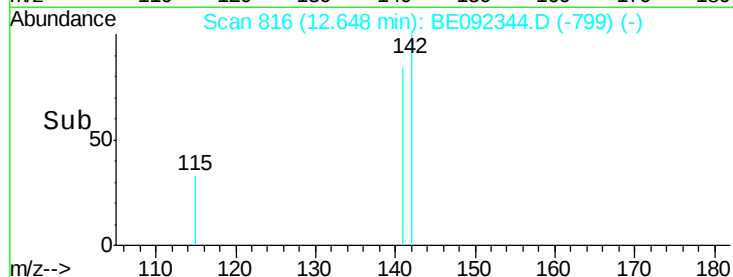
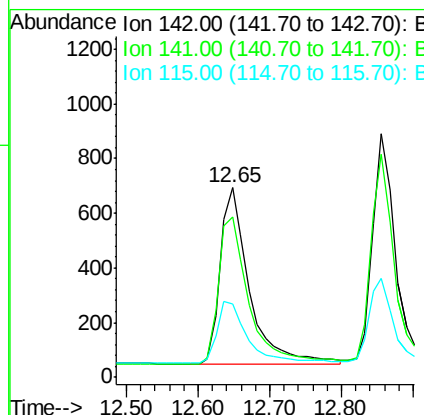
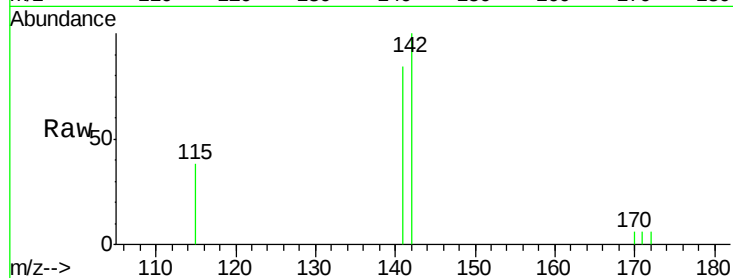
ClientSampleId :

SSTDICCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1823  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 84.4  | 73.7  | 110.5 |
| 115       | 38.3  | 34.0  | 51.0  |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#12

Acenaphthene-d10

Concen: 5.00 ng

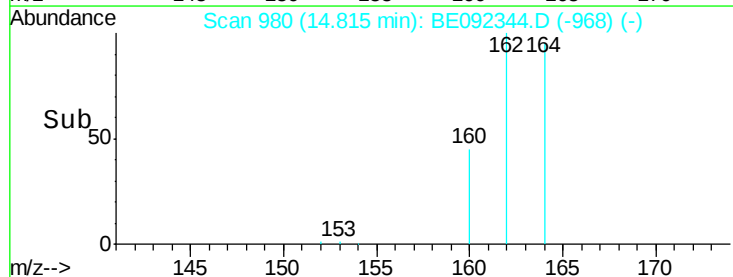
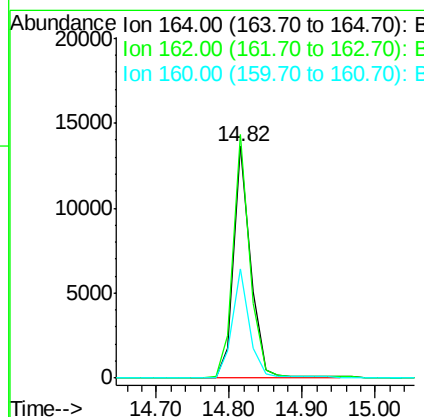
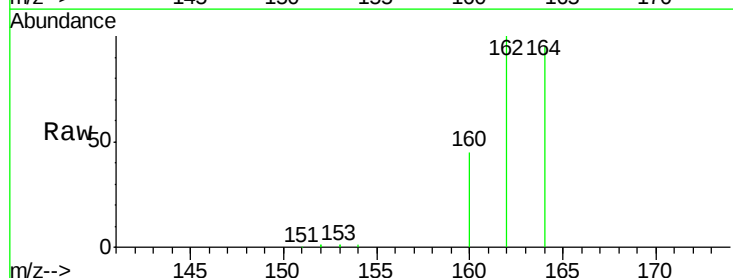
RT: 14.82 min Scan# 980

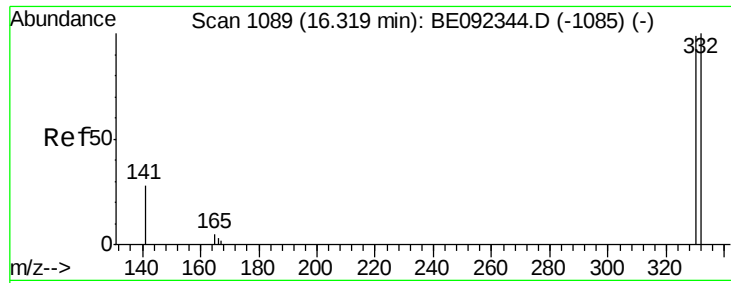
Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 21585 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.9 | 71.4  | 107.0 |
| 160       | 47.2  | 27.4  | 41.2# |





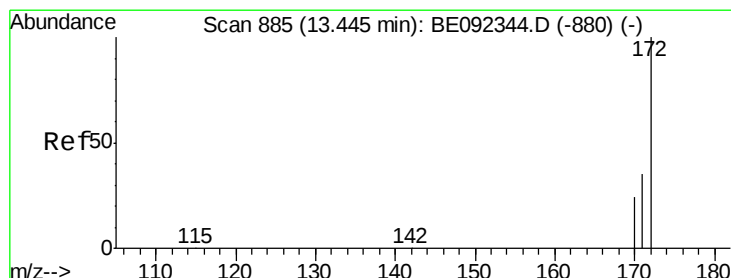
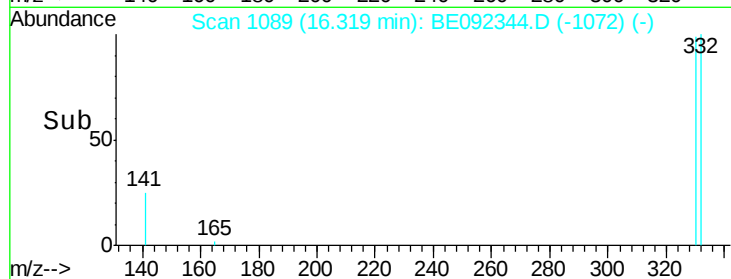
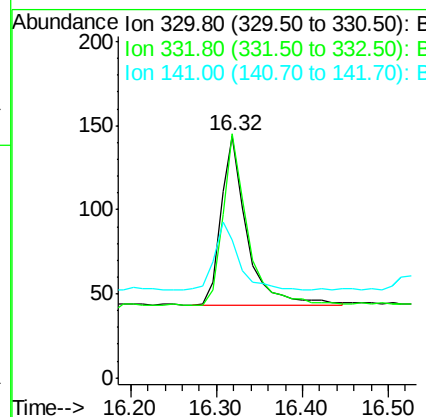
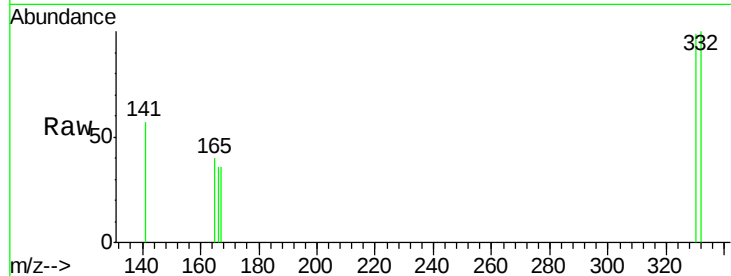
#13  
 2,4,6-Tribromophenol  
 Concen: 0.25 ng  
 RT: 16.32 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 75.4  | 113.0 |
| 141     | 38.1  | 31.0  | 46.6  |

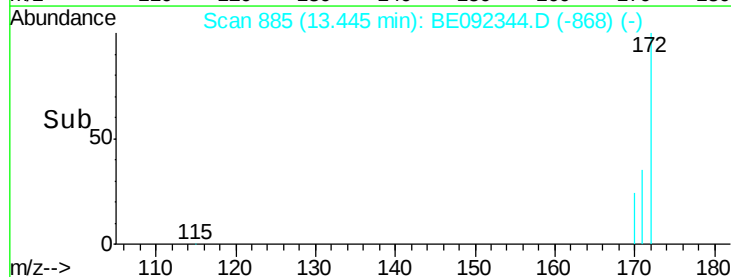
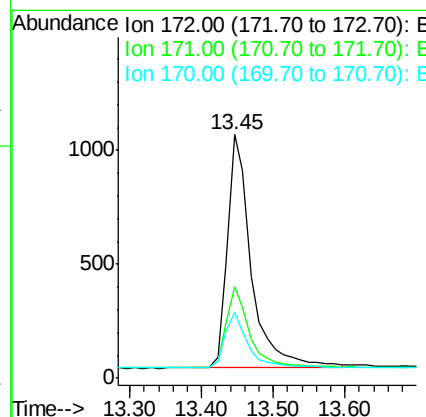
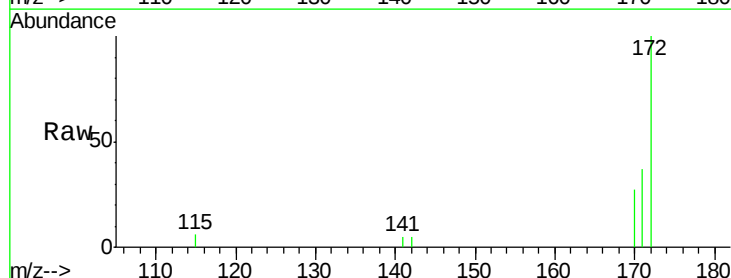
Manual Integrations  
 APPROVED

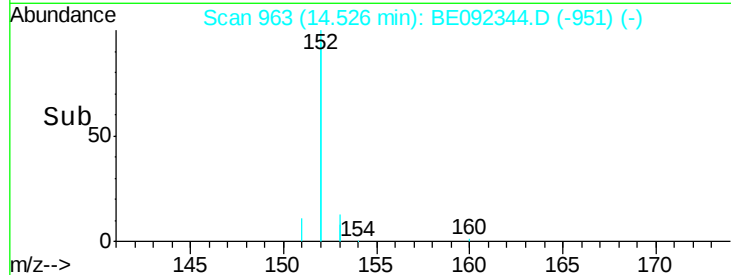
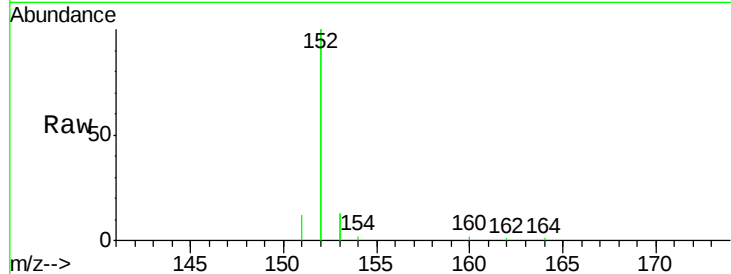
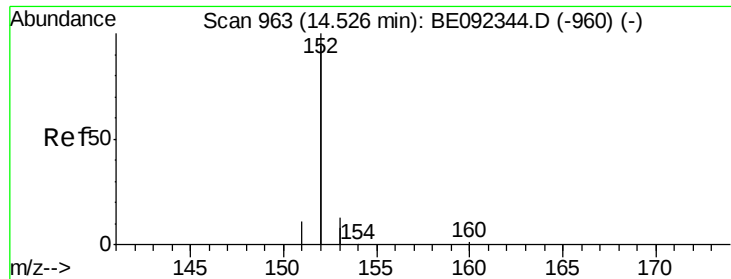
sohil  
 9/6/2016 1:15:10 PM



#14  
 2-Fluorobiphenyl  
 Concen: 0.36 ng  
 RT: 13.45 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 30.1  | 45.1  |
| 170     | 27.0  | 21.8  | 32.6  |





#15

Acenaphthylene

Concen: 0.36 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 13337 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.9   | 3.9   | 5.9   |
| 153       | 13.0  | 10.4  | 15.6  |

Instrument :

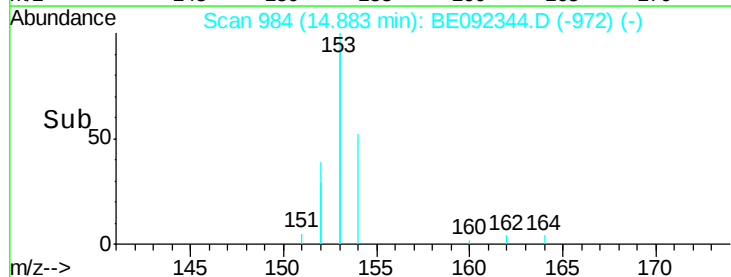
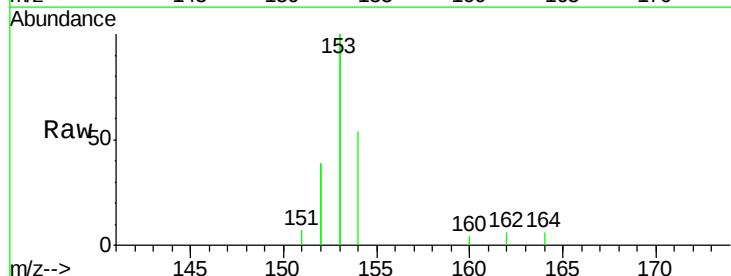
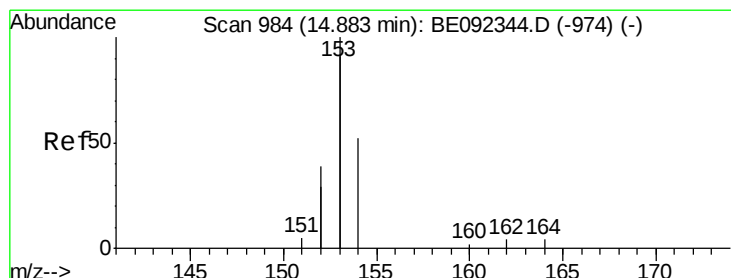
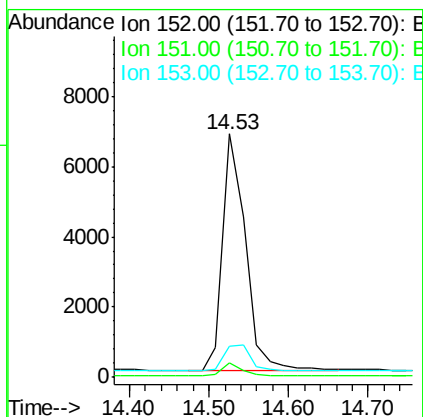
BNA\_E

ClientSampleId :

SSTDICCC0.4

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#16

Acenaphthene

Concen: 0.37 ng

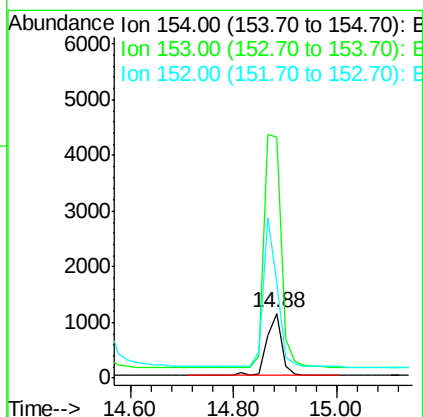
RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2214  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 430.8 | 350.8 | 526.2 |
| 152       | 217.8 | 171.1 | 256.7 |





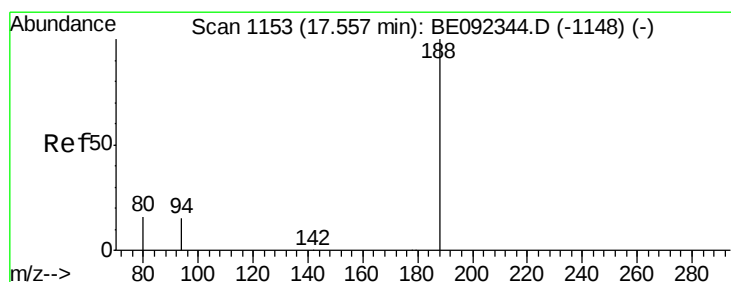
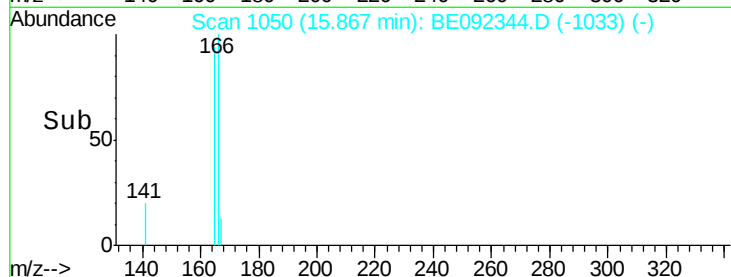
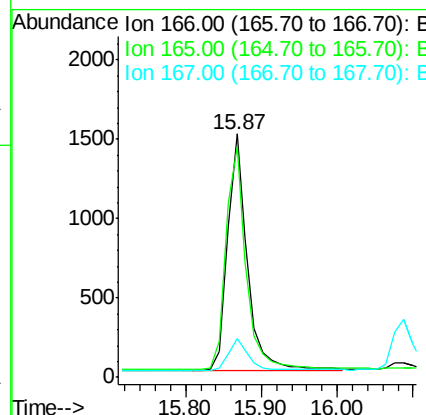
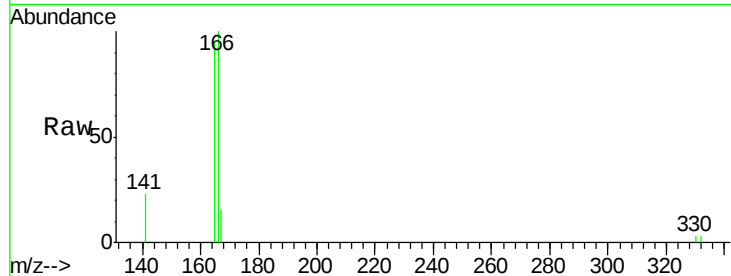
#17  
**Fluorene**  
 Concen: 0.36 ng  
 RT: 15.87 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.3  | 78.2  | 117.4 |
| 167     | 13.7  | 11.0  | 16.4  |

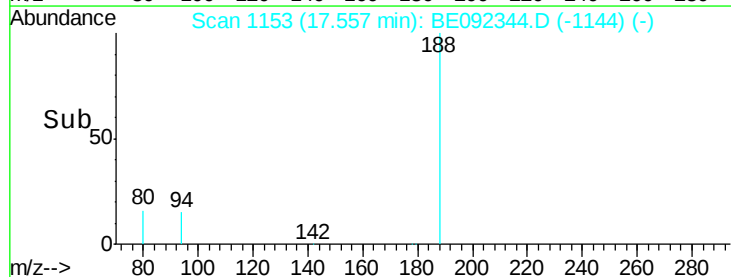
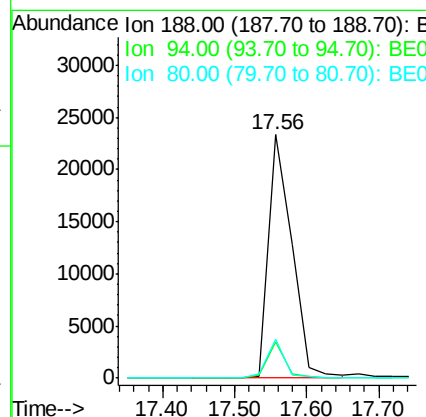
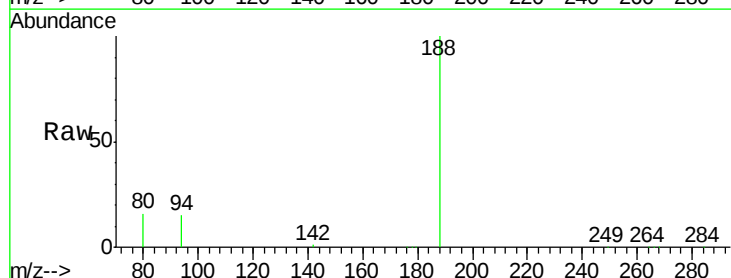
Manual Integrations  
 APPROVED

sohil  
 9/6/2016 1:15:10 PM



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.56 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 15.0  | 3.2   | 4.8#  |
| 80      | 15.8  | 2.6   | 3.8#  |





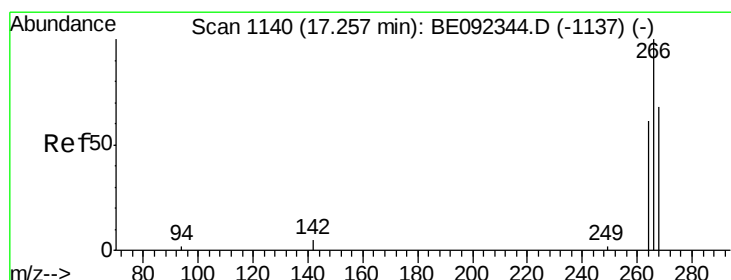
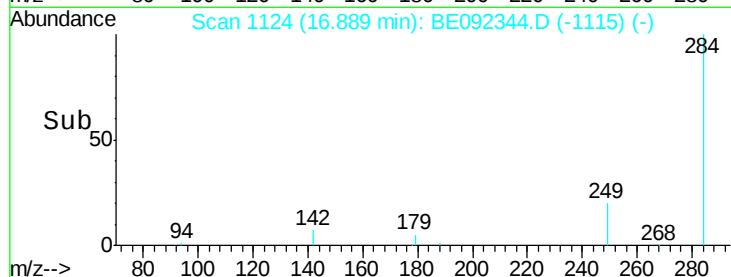
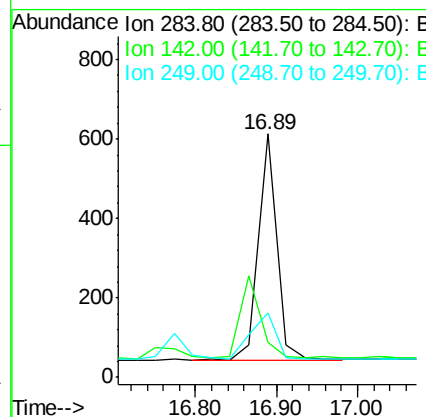
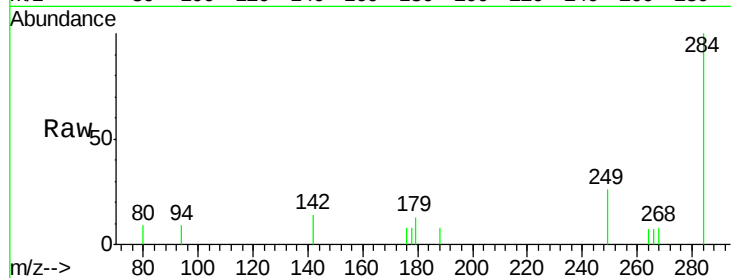
#19  
Hexachlorobenzene  
Concen: 0.40 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 29.1  | 43.7# |
| 249     | 27.8  | 27.9  | 41.9# |

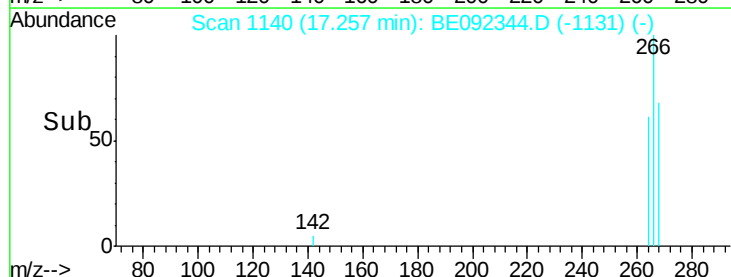
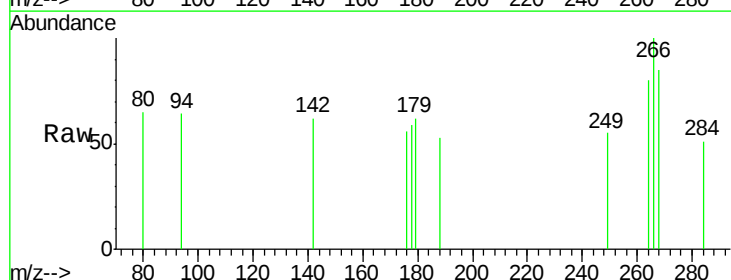
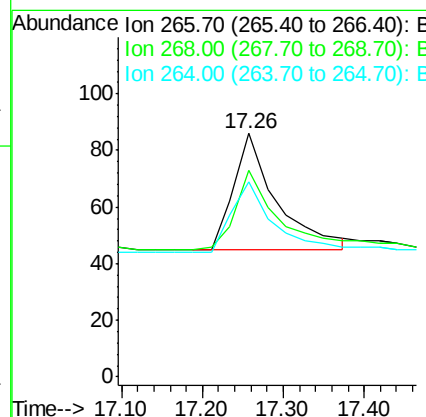
Manual Integrations  
APPROVED

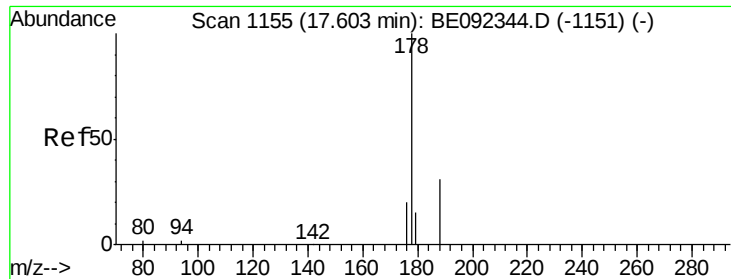
sohil  
9/6/2016 1:15:10 PM



#20  
Pentachlorophenol  
Concen: 0.20 ng  
RT: 17.26 min Scan# 1140  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 84.9  | 62.5  | 93.7  |
| 264     | 80.2  | 57.2  | 85.8  |





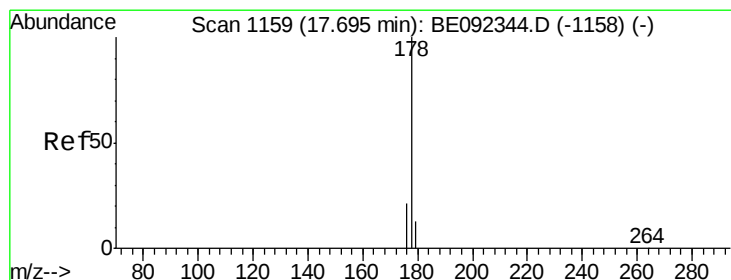
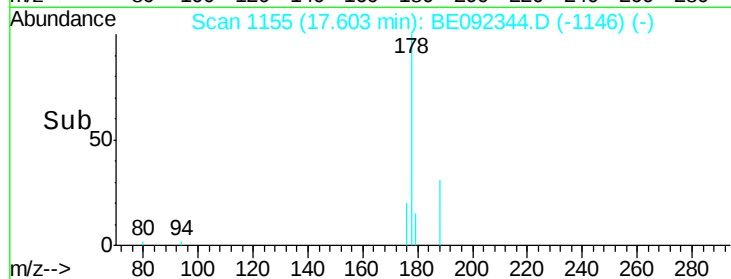
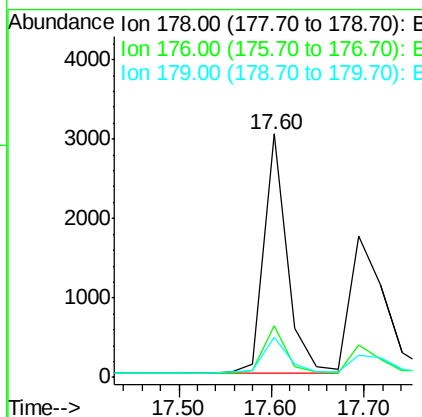
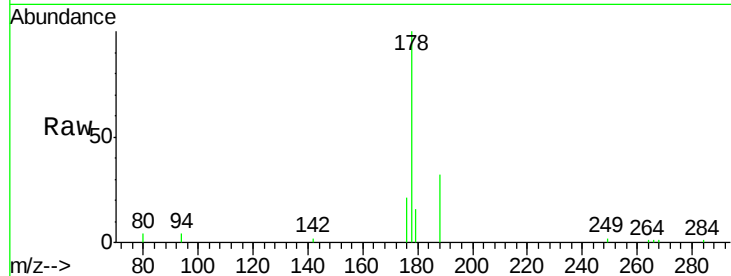
#21  
Phenanthrene  
Concen: 0.42 ng  
RT: 17.60 min Scan# 1155  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.8  | 23.8  |
| 179     | 16.0  | 0.0   | 0.0#  |

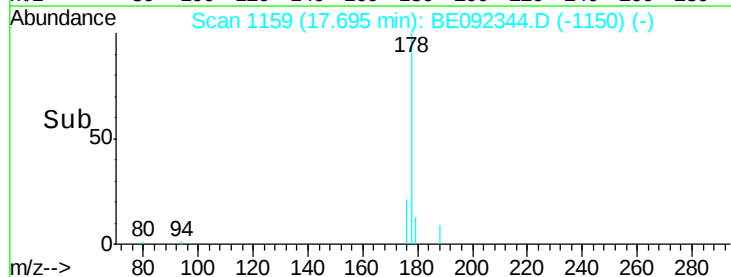
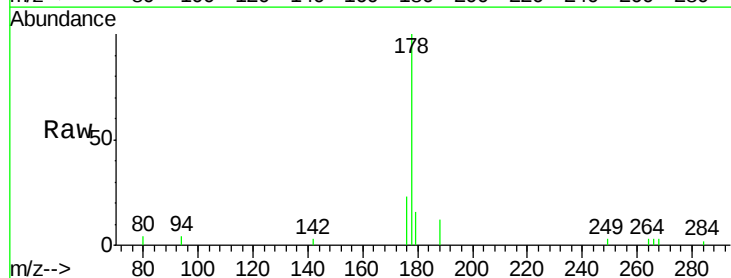
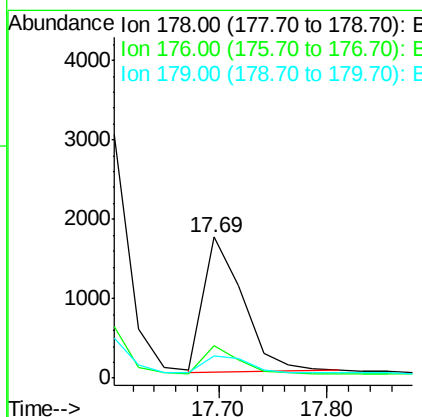
Manual Integrations  
APPROVED

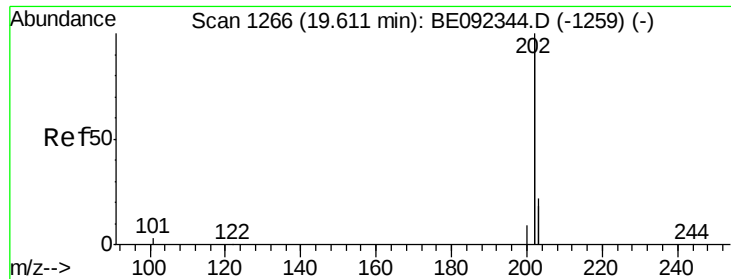
sohil  
9/6/2016 1:15:10 PM



#22  
Anthracene  
Concen: 0.35 ng  
RT: 17.69 min Scan# 1159  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.0  | 22.4  |
| 179     | 14.9  | 12.2  | 18.2  |





#23

Fluoranthene

Concen: 0.36 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

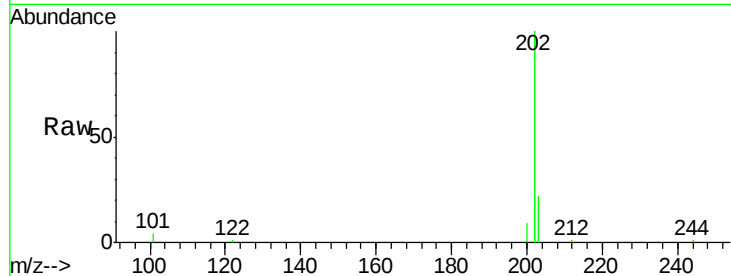
ClientSampleId :

SSTDICCC0.4

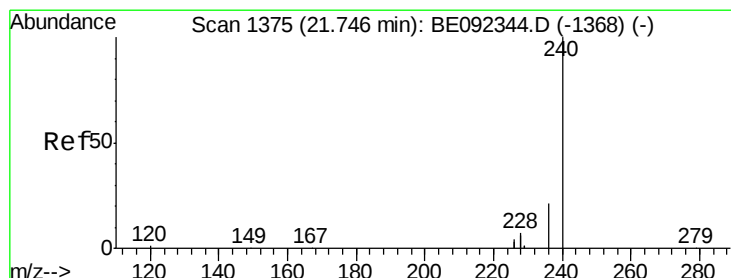
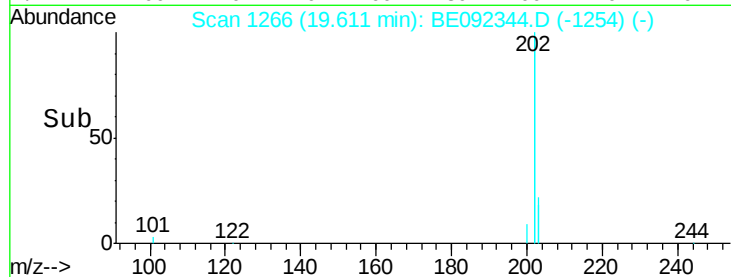
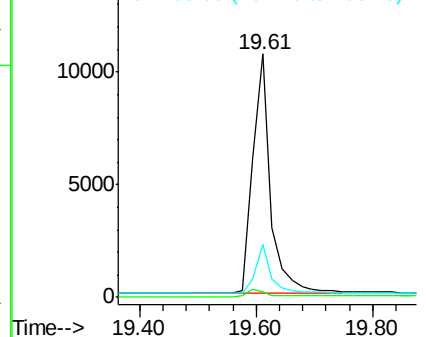
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 22581 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 2.9   | 2.2   | 3.4   |
| 203       | 17.8  | 13.7  | 20.5  |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

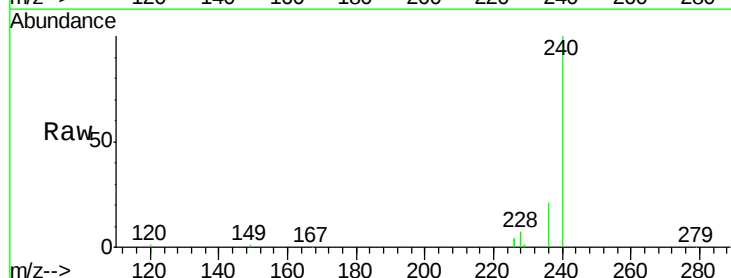
RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

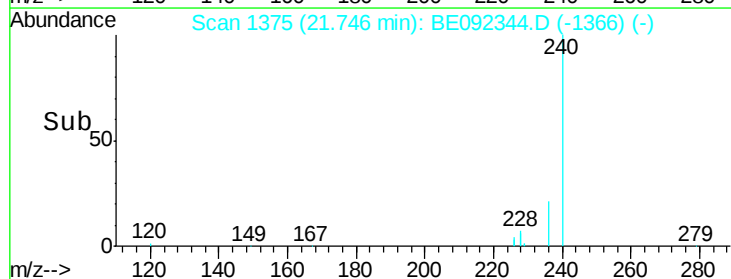
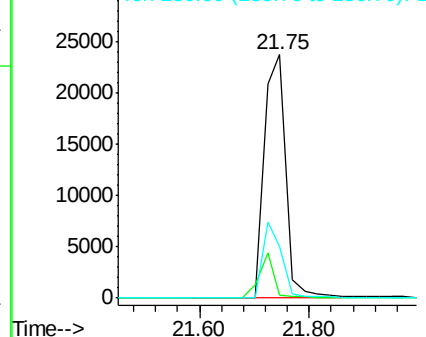
Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 64636 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 1.3   | 2.6   | 4.0#  |
| 236       | 21.3  | 24.6  | 37.0# |



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





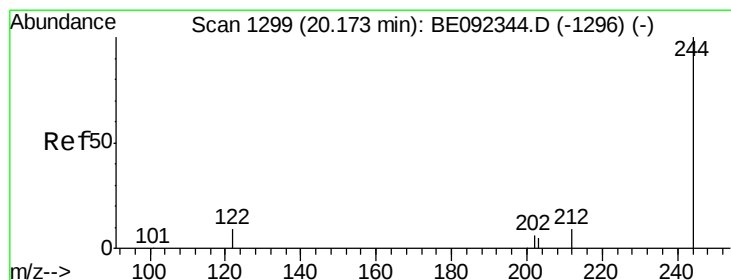
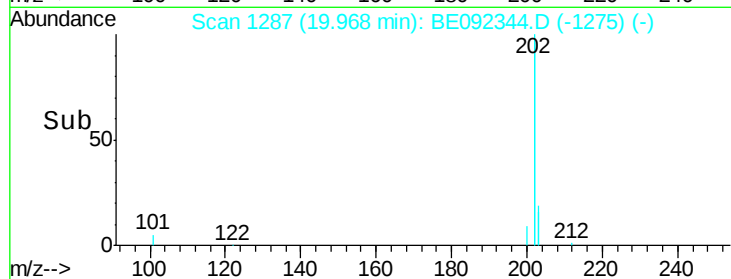
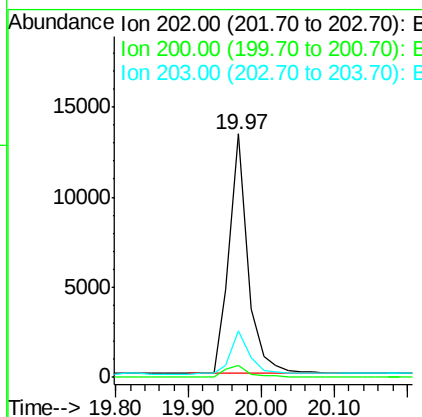
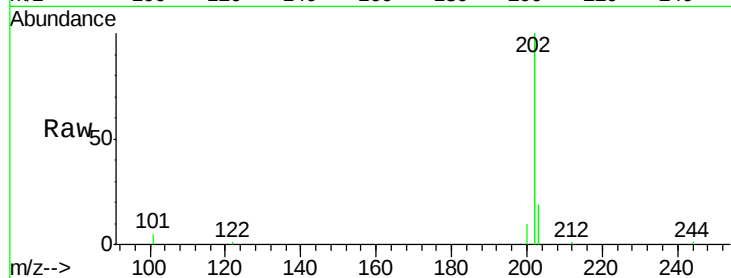
#25  
 Pyrene  
 Concen: 0.41 ng  
 RT: 19.97 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 23968 |       |       |
| 200     | 5.4   | 4.2   | 6.4   |       |
| 203     | 18.0  | 13.9  | 20.9  |       |

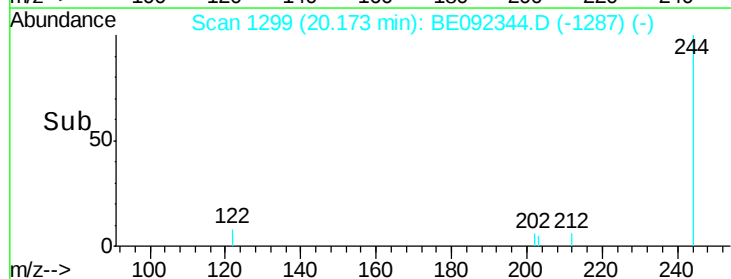
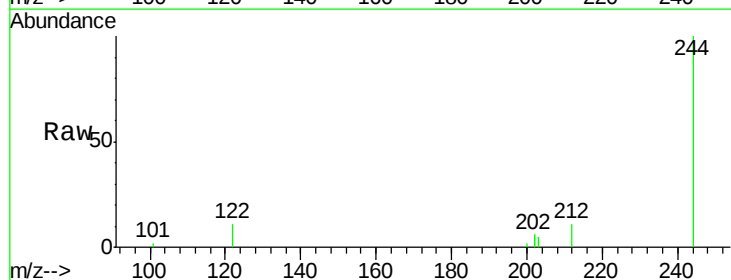
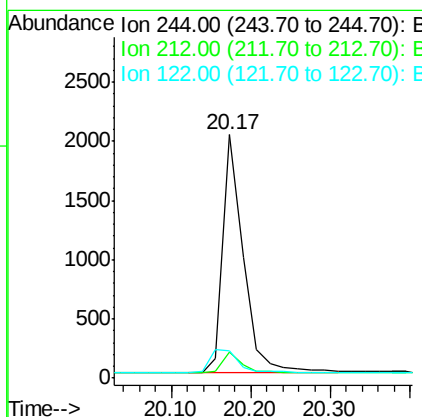
Manual Integrations  
 APPROVED

sohil  
 9/6/2016 1:15:10 PM



#26  
 Terphenyl-d14  
 Concen: 0.40 ng  
 RT: 20.17 min Scan# 1299  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 3601 |       |       |
| 212     | 10.6  | 6.7  | 10.1# |       |
| 122     | 11.2  | 3.6  | 5.4#  |       |





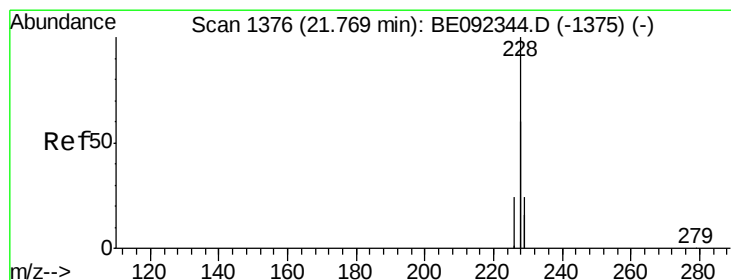
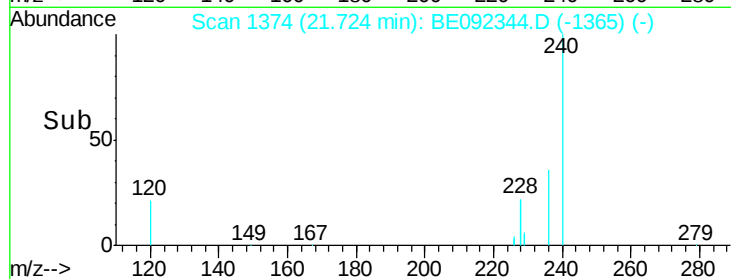
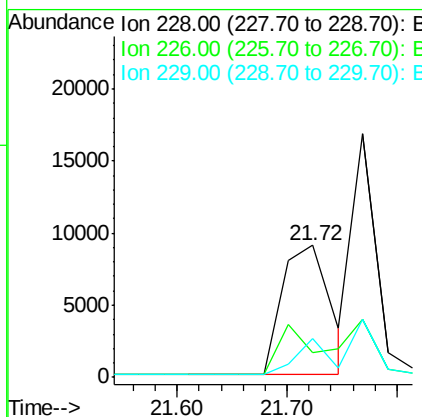
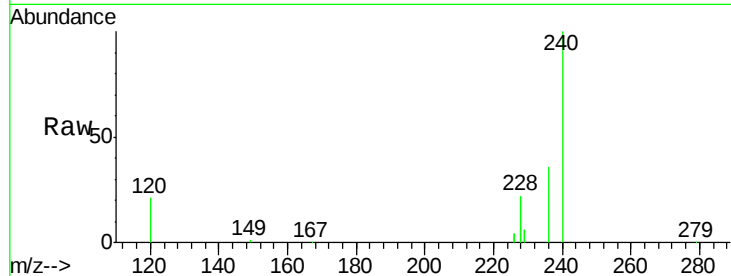
#27  
Benzo(a)anthracene  
Concen: 0.38 ng  
RT: 21.72 min Scan# 1374  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 19.1  | 23.6  | 35.4# |
| 229     | 29.1  | 13.3  | 19.9# |

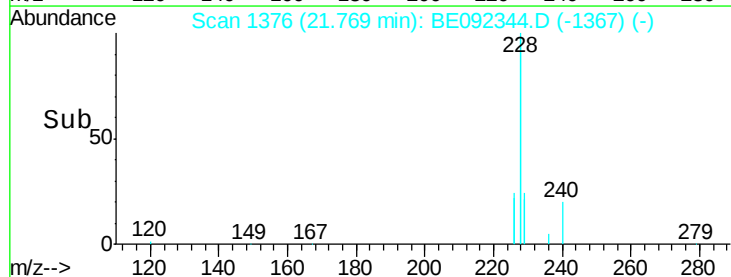
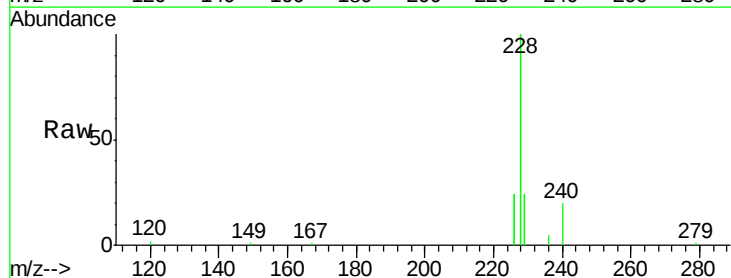
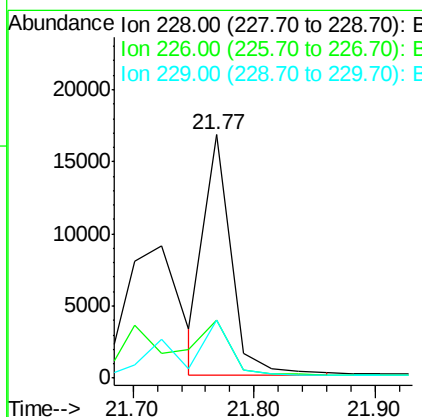
Manual Integrations  
APPROVED

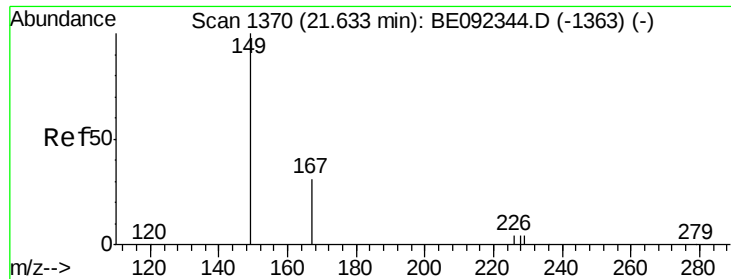
sohil  
9/6/2016 1:15:10 PM



#28  
Chrysene  
Concen: 0.43 ng m  
RT: 21.77 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 24.0  | 36.3  | 54.5# |
| 229     | 23.7  | 10.6  | 16.0# |





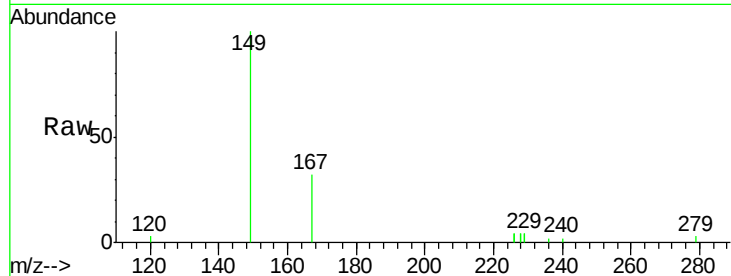
#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.46 ng  
 RT: 21.63 min Scan# 1370  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

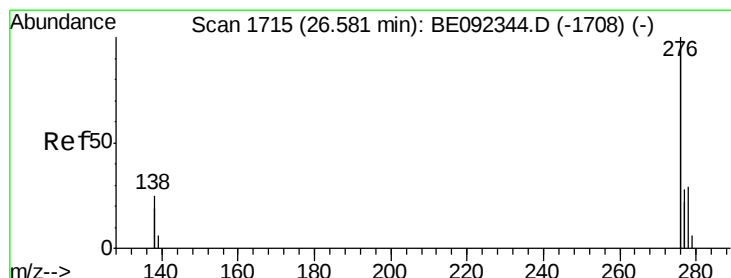
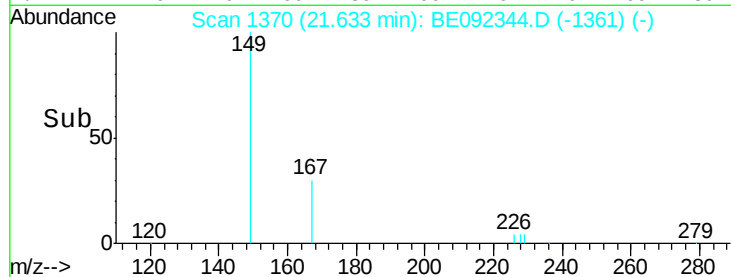
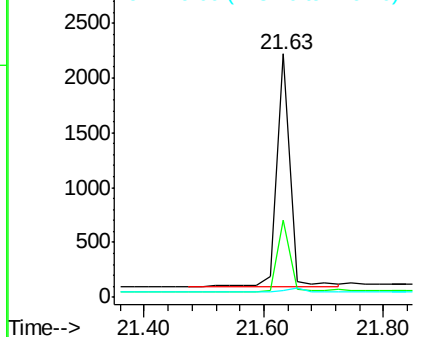
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 29.0  | 16.0       | 24.0#      |
| 279     | 0.0   | 16.0       | 24.0#      |

Manual Integrations  
 APPROVED

sohil  
 9/6/2016 1:15:10 PM



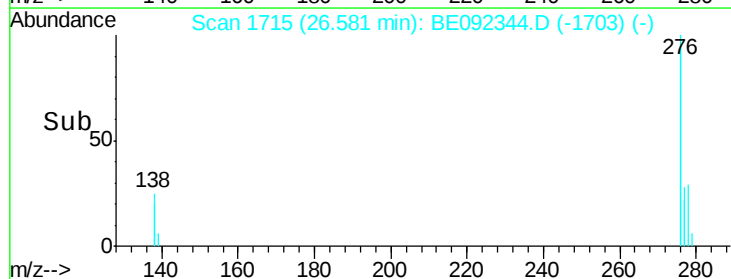
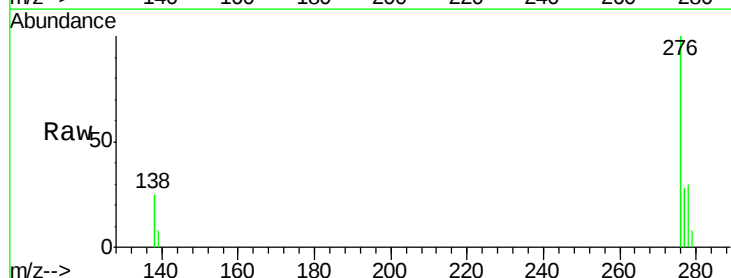
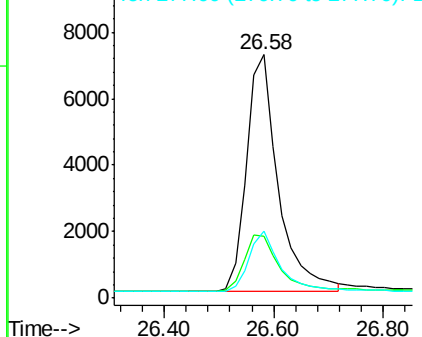
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

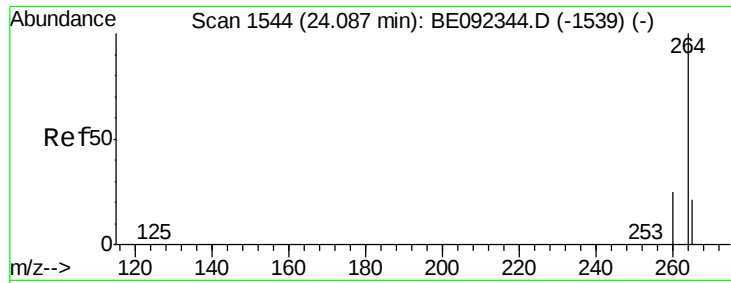


#30  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.41 ng  
 RT: 26.58 min Scan# 1715  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 25.9  | 20.3       | 30.5       |
| 277     | 24.9  | 19.7       | 29.5       |

Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E





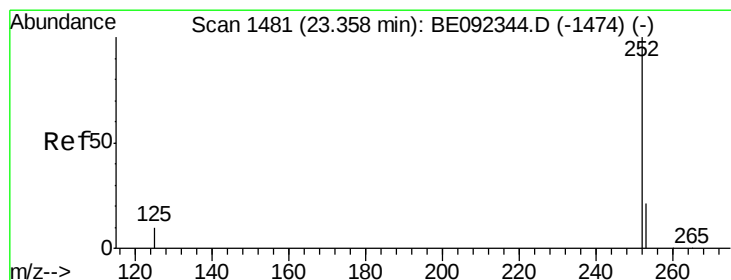
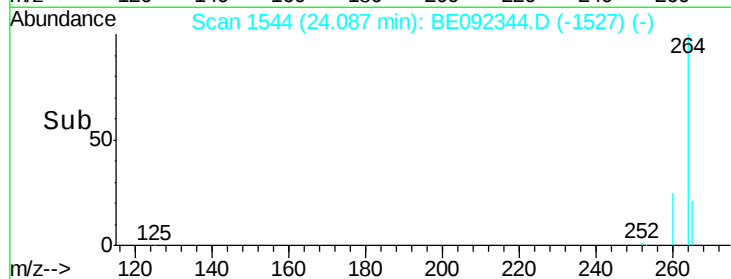
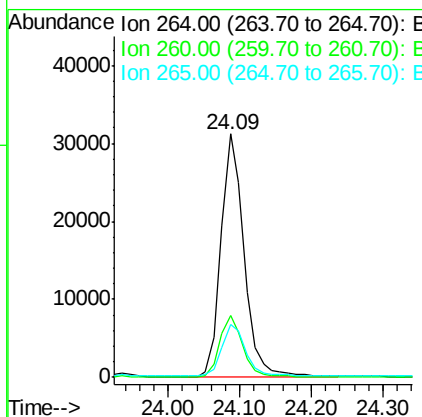
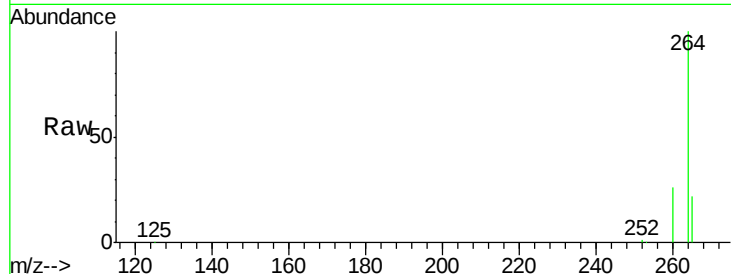
#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.09 min Scan# 1544  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 20.1  | 30.1  |
| 265     | 21.5  | 17.9  | 26.9  |

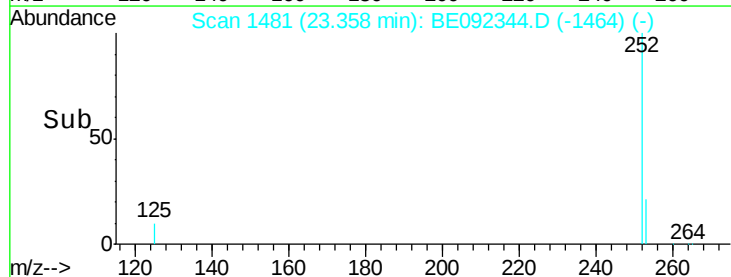
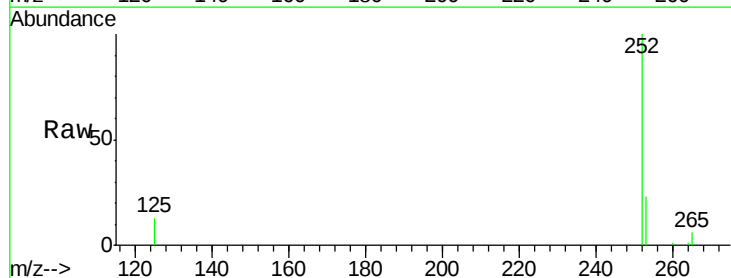
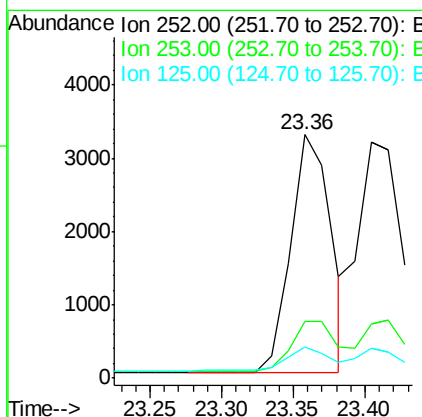
Manual Integrations  
 APPROVED

sohil  
 9/6/2016 1:15:10 PM



#32  
 Benzo(b)fluoranthene  
 Concen: 0.34 ng  
 RT: 23.36 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: BE092344.D  
 Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.7  | 28.1  |
| 125     | 12.9  | 10.5  | 15.7  |





#33

Benzo(k)fluoranthene

Concen: 0.40 ng

RT: 23.40 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

Instrument :

BNA\_E

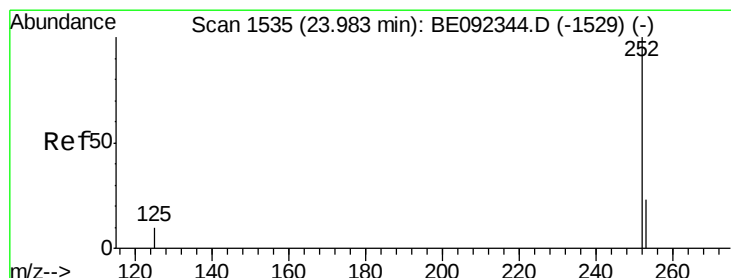
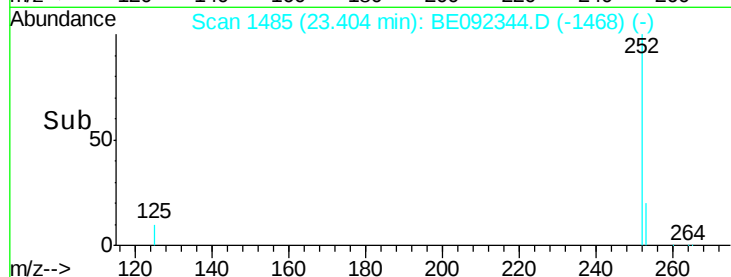
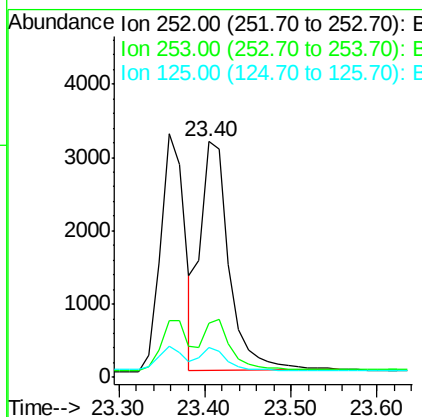
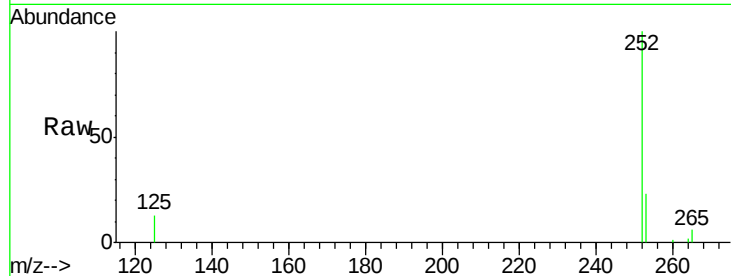
ClientSampleId :

SSTDICCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 7295 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 22.9  | 20.3  | 30.5 |
| 125       | 12.6  | 9.6   | 14.4 |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#34

Benzo(a)pyrene

Concen: 0.35 ng

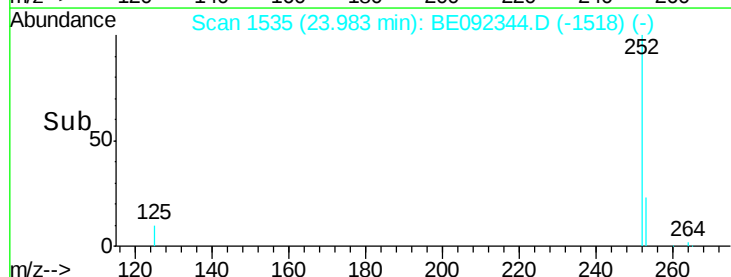
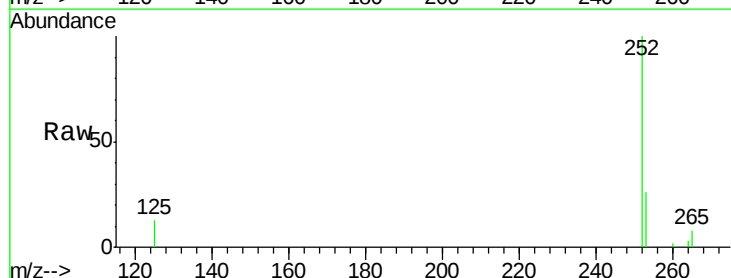
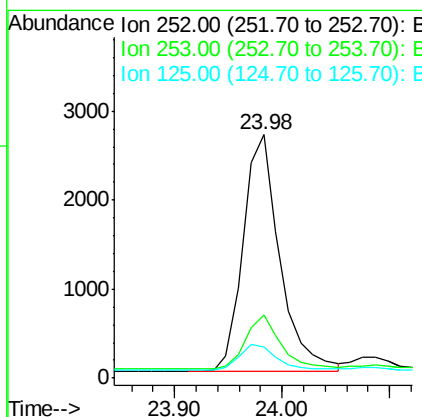
RT: 23.98 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BE092344.D

Acq: 2 Sep 2016 15:34

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 6309 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 25.7  | 19.0  | 28.6 |
| 125       | 13.0  | 11.8  | 17.8 |





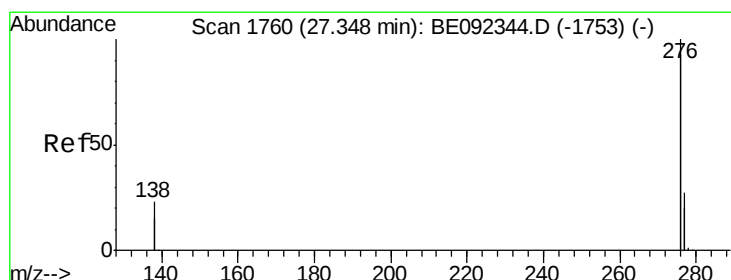
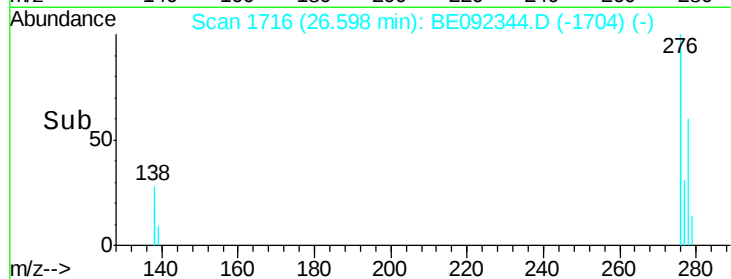
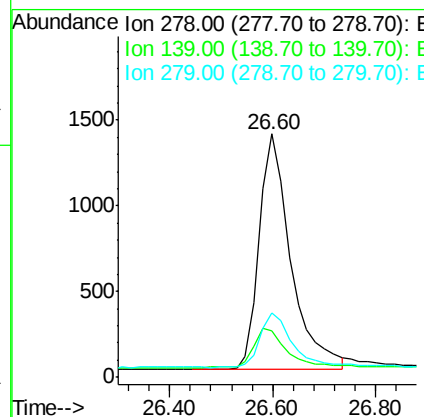
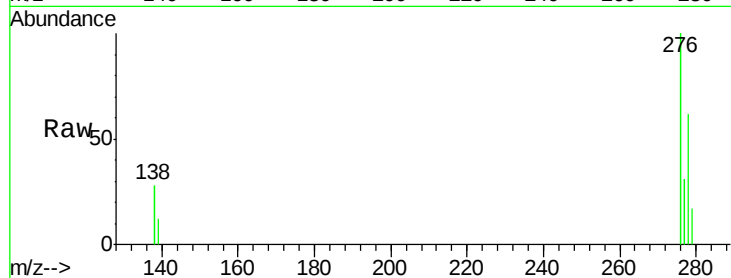
#35  
Dibenzo(a,h)anthracene  
Concen: 0.34 ng  
RT: 26.60 min Scan# 1716  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.9  | 13.8  | 20.8  |
| 279     | 26.6  | 21.4  | 32.2  |

Manual Integrations  
APPROVED

sohil  
9/6/2016 1:15:10 PM



#36  
Benzo(g,h,i)perylene  
Concen: 0.37 ng  
RT: 27.35 min Scan# 1760  
Delta R.T. 0.00 min  
Lab File: BE092344.D  
Acq: 2 Sep 2016 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.0  | 19.8  | 29.8  |
| 138     | 22.7  | 19.8  | 29.6  |

