

Data Path : U:\HPCHEM1\BNA E\DATA\BE082217\  
 Data File : BE093871.D  
 Acq On : 22 Aug 2017 12:18  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 8/23/2017 3:00:34 PM

Quant Time: Aug 23 01:20:14 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 14:30:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 2085     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.71 | 136  | 10331    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 5778     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 12869    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 14826    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.93 | 264  | 12827    | 0.40 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.51  | 112  | 2318     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.10  | 99   | 3487     | 0.34 | ng    | 0.01     |
| 8) Nitrobenzene-d5          | 9.06  | 82   | 3125     | 0.35 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152  | 5822     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 508      | 0.32 | ng    | 0.03     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 7965     | 0.35 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 54845    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 9189     | 0.35 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88   | 966      | 0.308 | ng    | # 87   |
| 3) n-Nitrosodimethylamine      | 3.75  | 42   | 1129     | 0.346 | ng    | 93     |
| 6) bis(2-Chloroethyl)ether     | 7.34  | 93   | 2732     | 0.343 | ng    | # 99   |
| 9) Naphthalene                 | 10.76 | 128  | 41696    | 0.352 | ng    | 100    |
| 10) Hexachlorobutadiene        | 11.04 | 225  | 1452     | 0.330 | ng    | 97     |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 6913     | 0.346 | ng    | 98     |
| 16) Acenaphthylene             | 14.24 | 152  | 10112    | 0.348 | ng    | # 87   |
| 17) Acenaphthene               | 14.58 | 154  | 6657     | 0.340 | ng    | 99     |
| 18) Fluorene                   | 15.56 | 166  | 8707     | 0.344 | ng    | # 86   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 1674     | 0.460 | ng    | # 85   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 1592     | 0.410 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266  | 706      | 0.260 | ng    | 91     |
| 23) Phenanthrene               | 17.27 | 178  | 10403m   | 0.380 | ng    |        |
| 24) Anthracene                 | 17.37 | 178  | 14336m   | 0.344 | ng    |        |
| 26) Fluoranthene               | 19.30 | 202  | 16334    | 0.363 | ng    | 98     |
| 28) Pyrene                     | 19.67 | 202  | 16954    | 0.349 | ng    | # 99   |
| 30) Benzo(a)anthracene         | 21.39 | 228  | 15597    | 0.332 | ng    | 92     |
| 31) Chrysene                   | 21.45 | 228  | 17137    | 0.357 | ng    | 92     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 36051    | 0.357 | ng    | 97     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.59 | 276  | 13240    | 0.286 | ng    | 93     |
| 35) Benzo(b)fluoranthene       | 23.15 | 252  | 13775    | 0.310 | ng    | 97     |
| 36) Benzo(k)fluoranthene       | 23.21 | 252  | 15902    | 0.358 | ng    | 96     |
| 37) Benzo(a)pyrene             | 23.82 | 252  | 14073    | 0.335 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.60 | 278  | 11489    | 0.292 | ng    | # 93   |
| 39) Benzo(g,h,i)perylene       | 27.40 | 276  | 11721    | 0.297 | ng    | 94     |

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

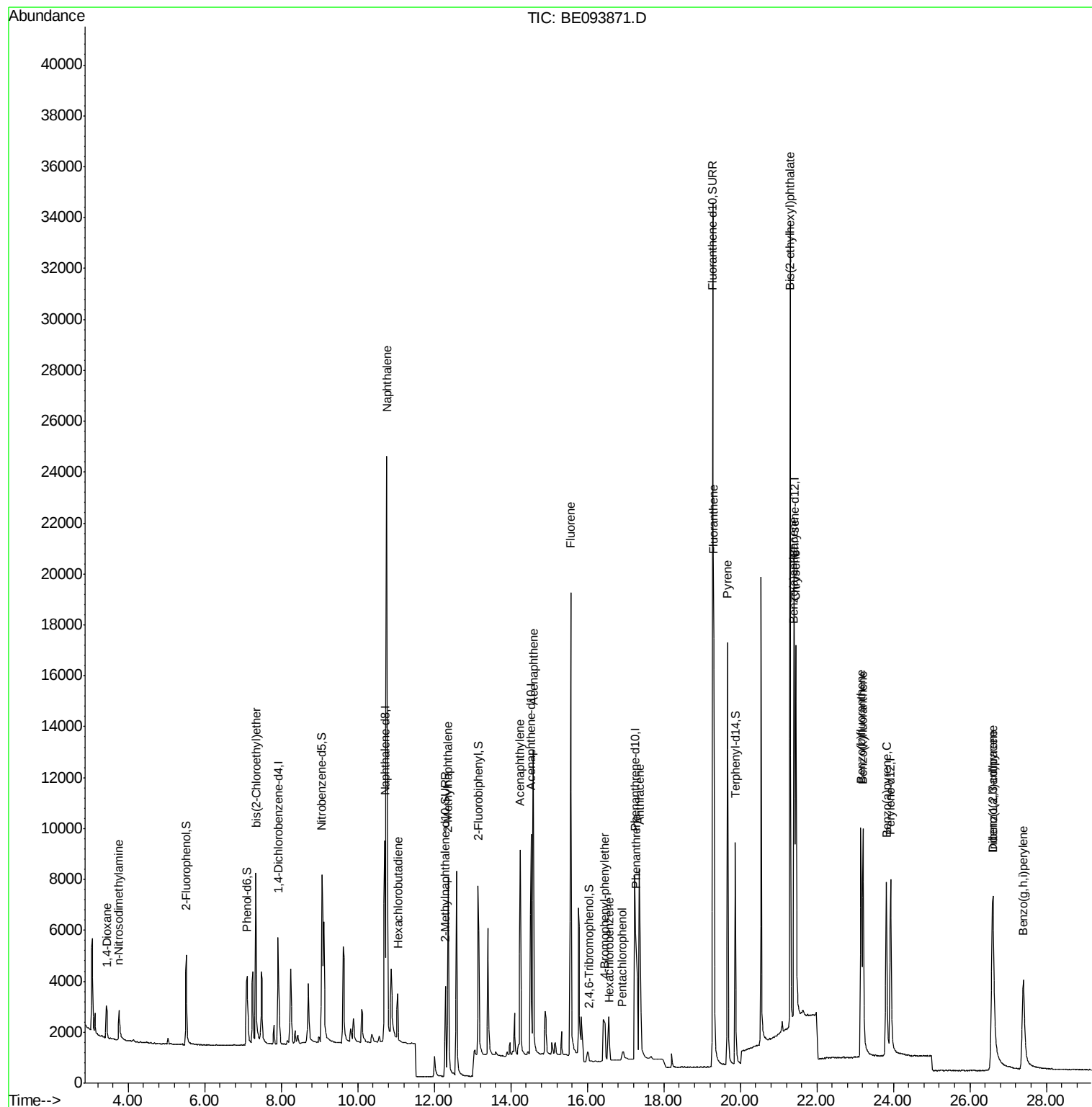
Data Path : U:\HPCHEM1\BNA E\DATA\BE082217\  
Data File : BE093871.D  
Acq On : 22 Aug 2017 12:18  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

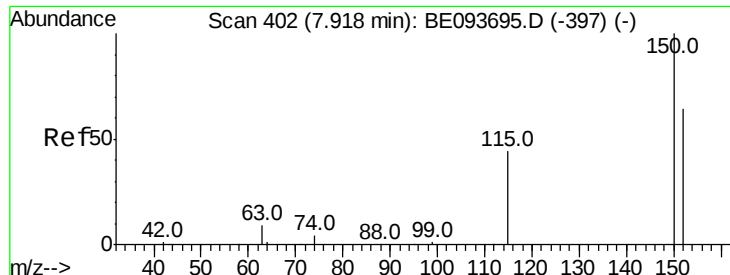
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM

Quant Time: Aug 23 01:20:14 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 07 14:30:21 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

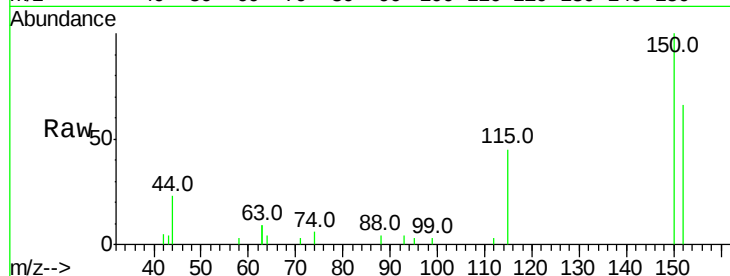
ClientSampleId :

SSTDCCC0.4

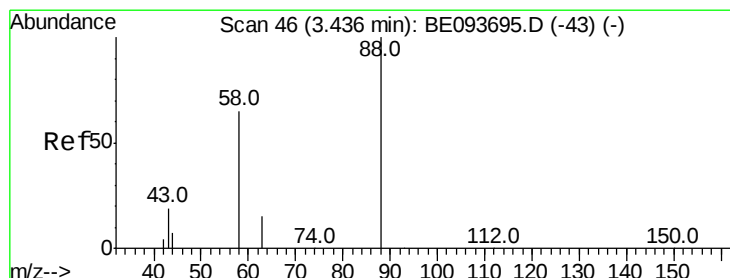
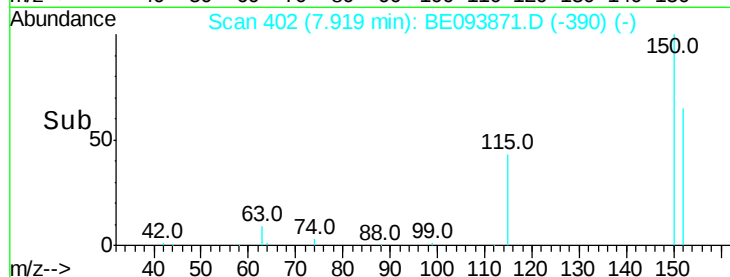
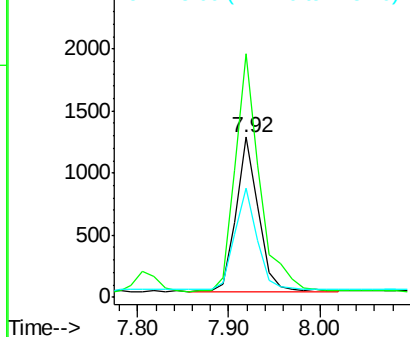
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 2085  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 152.2 | 125.1 | 187.7 |
| 115      | 68.3  | 55.7  | 83.5  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



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



#2

1,4-Dioxane

Concen: 0.308 ng

RT: 3.44 min Scan# 46

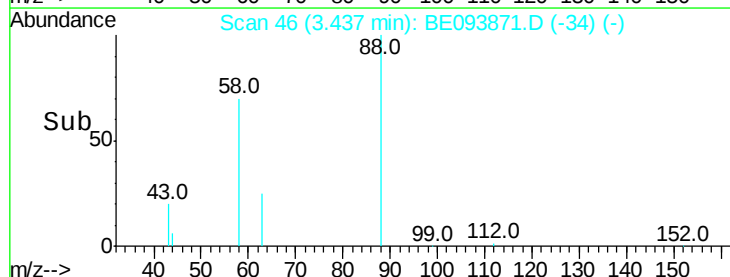
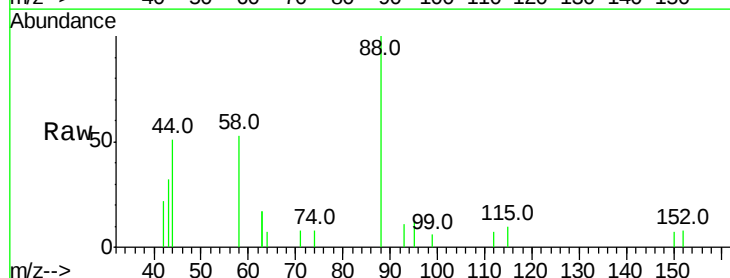
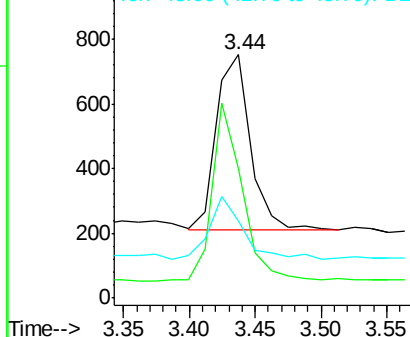
Delta R.T. 0.00 min

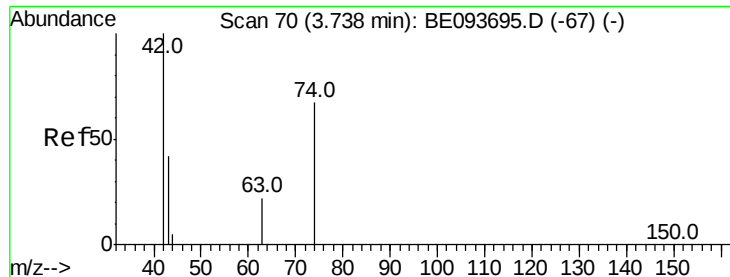
Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 966   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 89.1  | 62.2  | 93.4  |
| 43       | 36.3  | 23.2  | 34.8# |

Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





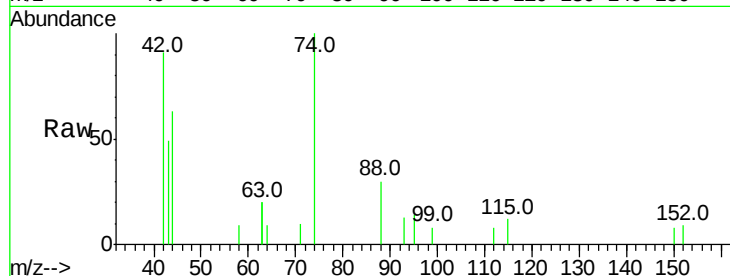
#3  
n-Nitrosodimethylamine  
Concen: 0.346 ng  
RT: 3.75 min Scan# 71  
Delta R.T. 0.01 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

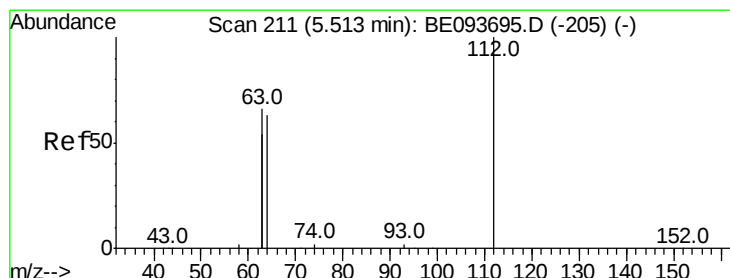
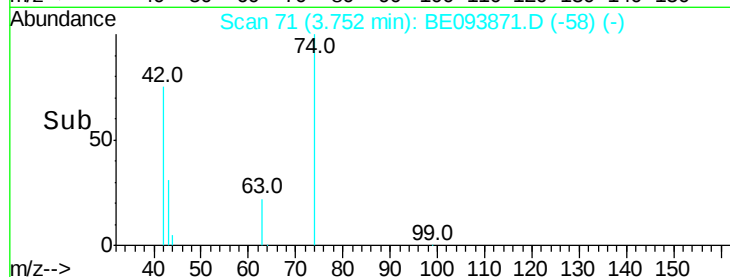
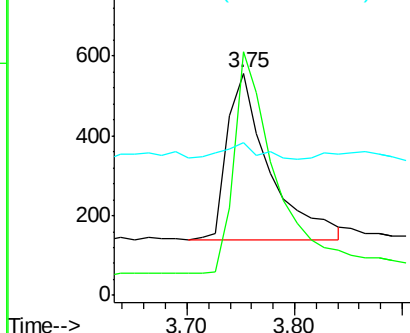
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 131.5 | 99.1  | 148.7 |
| 44      | 7.8   | 7.4   | 11.2  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



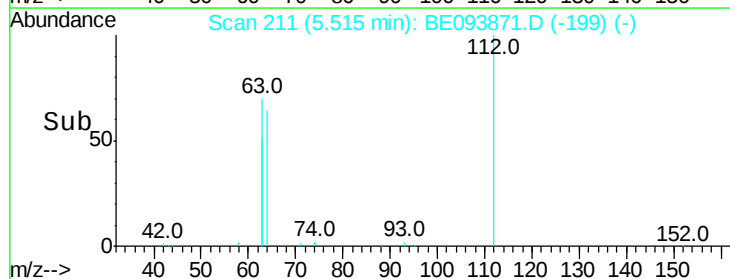
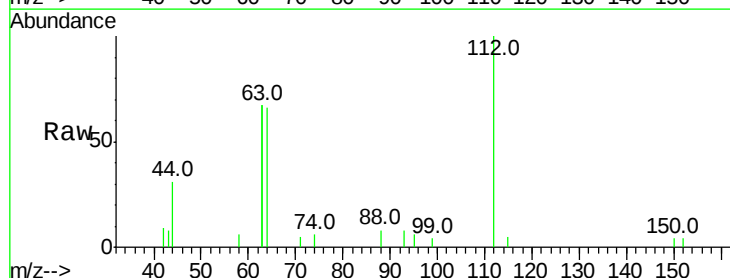
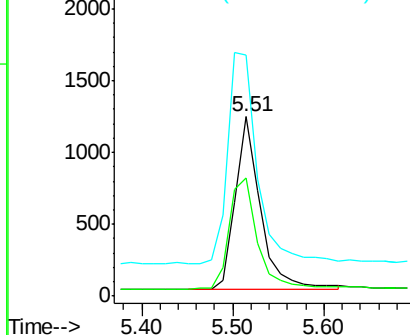
Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0

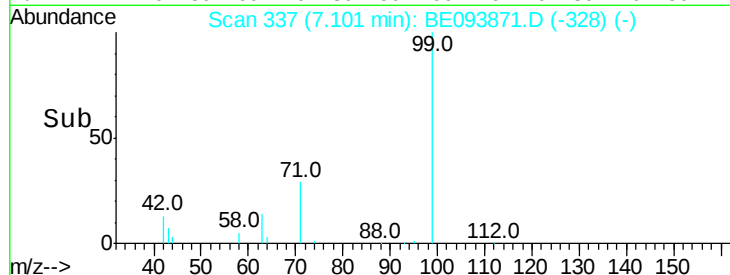
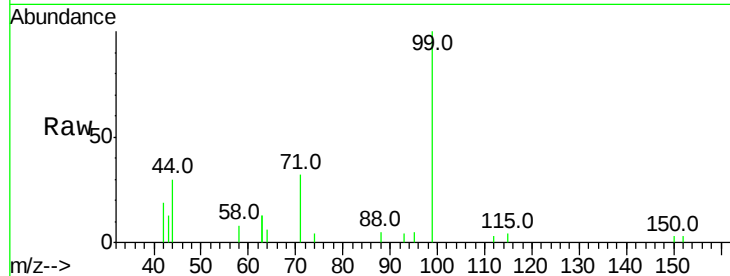
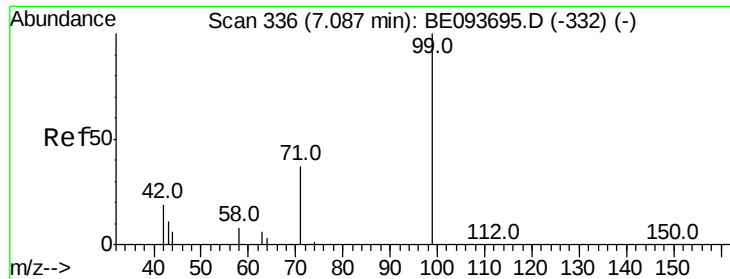


#4  
2-Fluorophenol  
Concen: 0.344 ng  
RT: 5.51 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.2  | 56.4  | 84.6  |
| 63      | 144.0 | 29.3  | 43.9# |

Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.339 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 99      | 100   | 3487 |       |       |
| 42      | 21.0  | 0.0  | 0.0#  |       |
| 71      | 34.6  | 0.0  | 0.0#  |       |

Instrument :

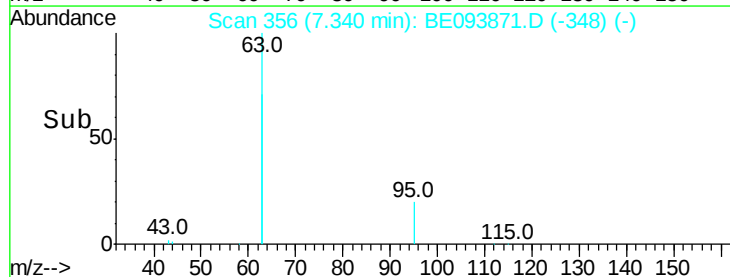
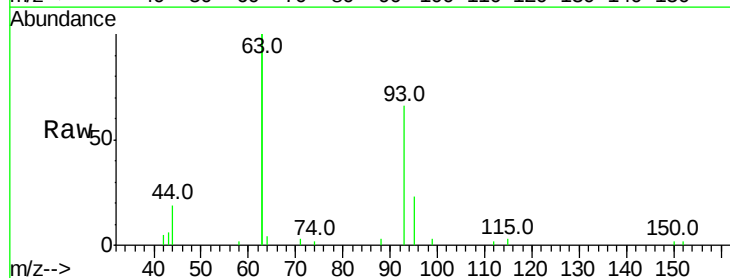
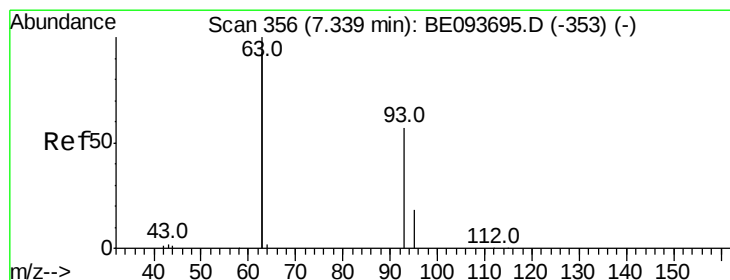
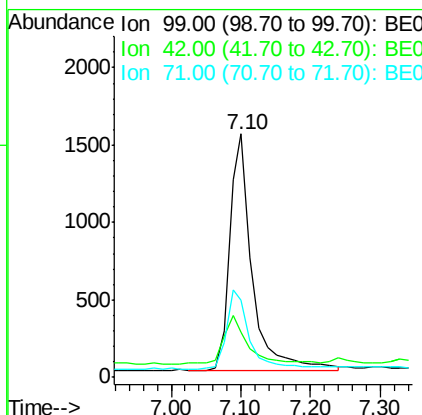
BNA\_E

ClientSampleId :

SSTDCCC0.4

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.343 ng

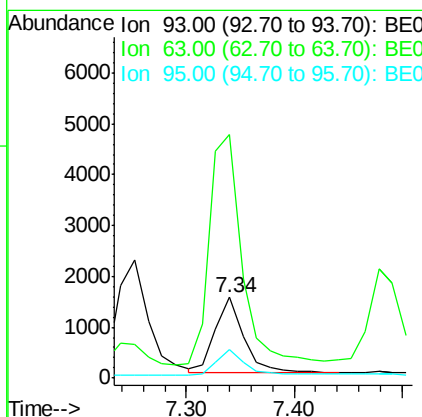
RT: 7.34 min Scan# 356

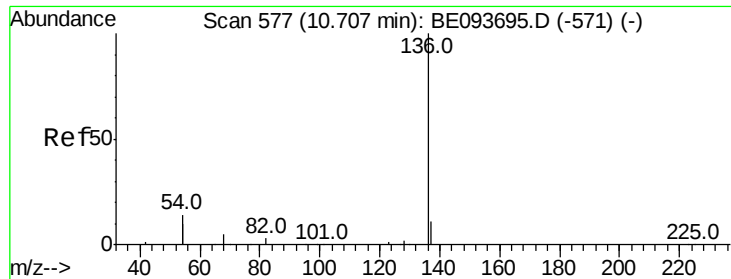
Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 2732 |       |       |
| 63      | 347.2 | 0.0  | 0.0#  |       |
| 95      | 32.1  | 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: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

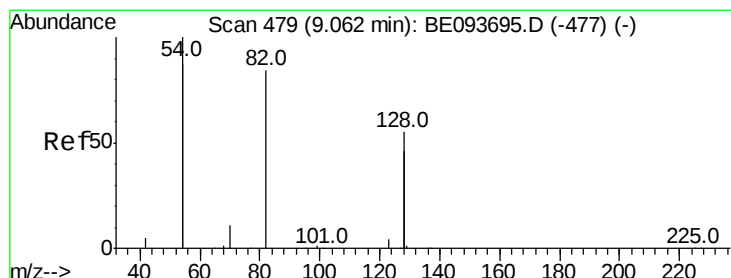
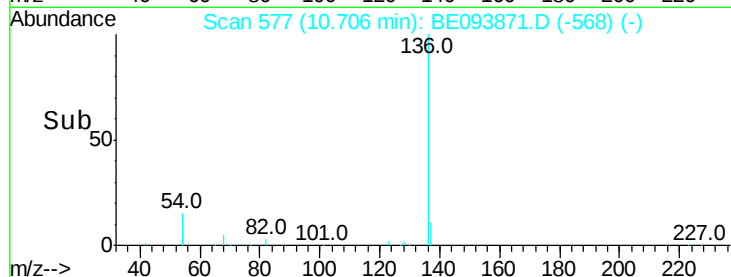
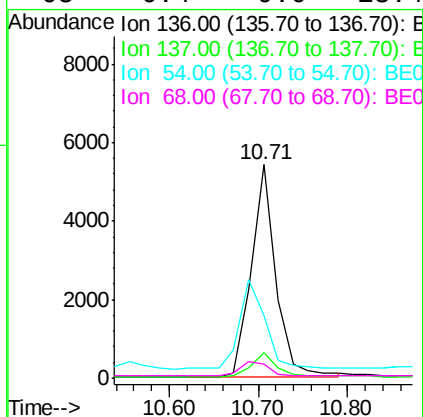
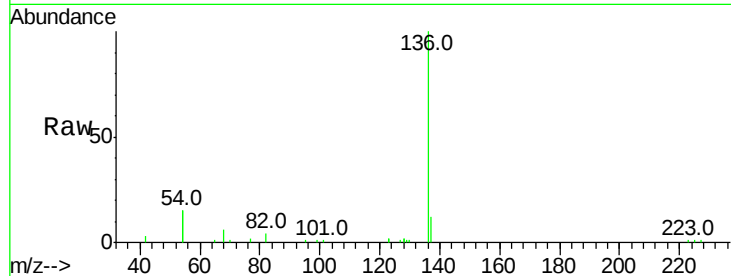
ClientSampleId :

SSTDCCC0.4

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 12.1  | 9.8  | 14.8  |       |
| 54      | 29.1  | 10.3 | 15.5# |       |
| 68      | 6.4   | 9.0  | 13.4# |       |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#8

Nitrobenzene-d5

Concen: 0.354 ng

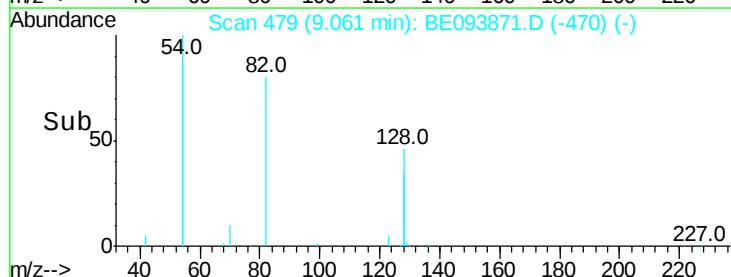
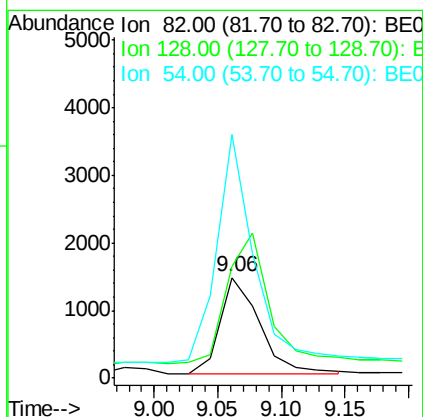
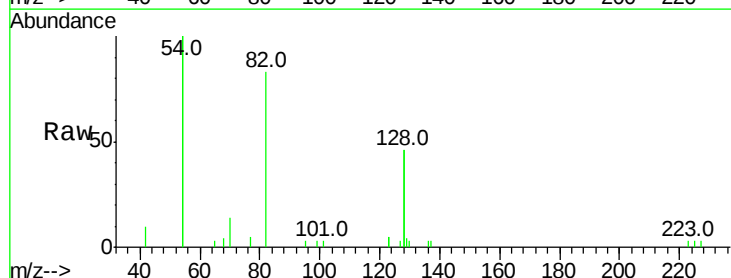
RT: 9.06 min Scan# 479

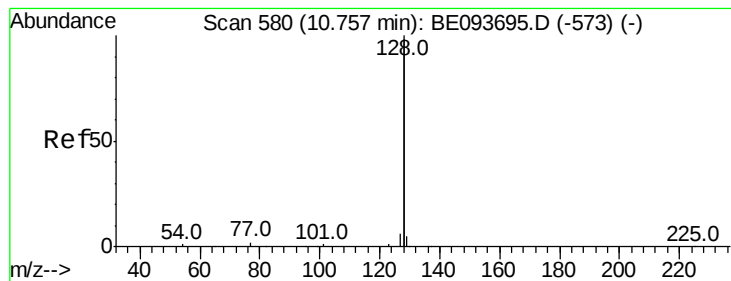
Delta R.T. -0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 111.2 | 17.0 | 25.4# |       |
| 54      | 241.6 | 53.8 | 80.6# |       |





#9

Naphthalene

Concen: 0.352 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

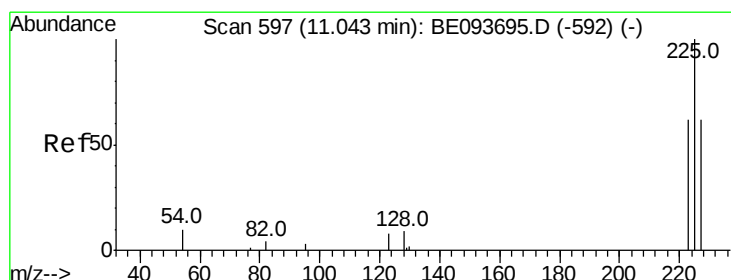
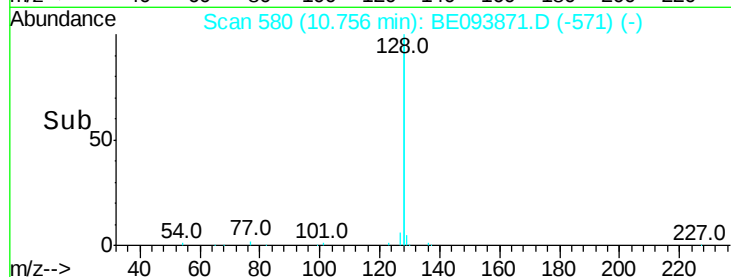
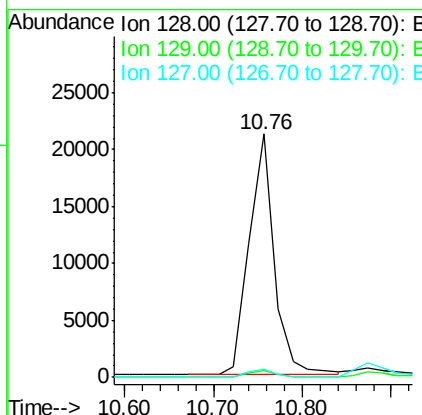
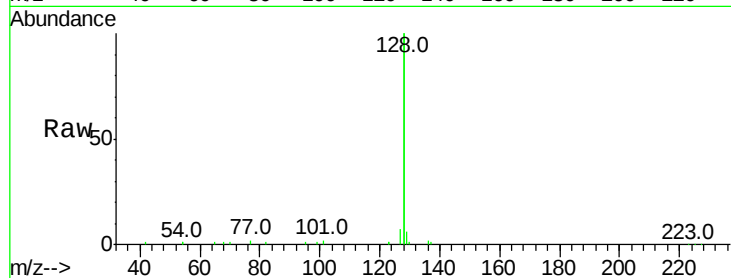
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 41696 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.0   | 2.4   | 3.6   |
| 127       | 3.3   | 2.4   | 3.6   |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#10

Hexachlorobutadiene

Concen: 0.330 ng

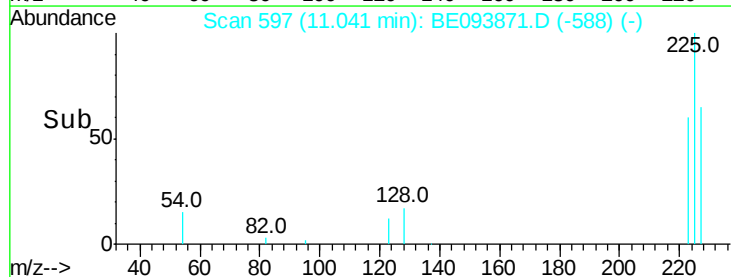
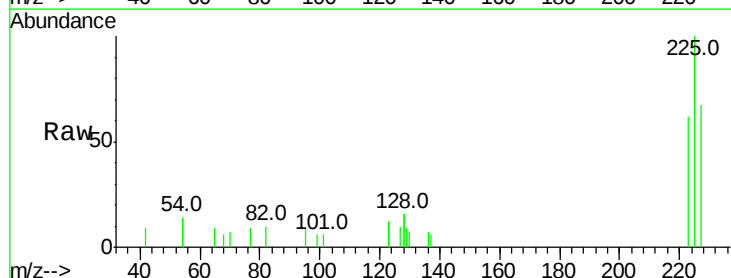
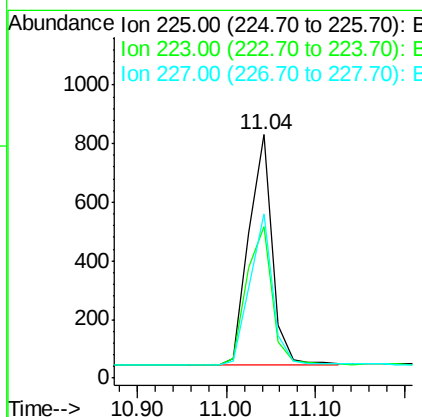
RT: 11.04 min Scan# 597

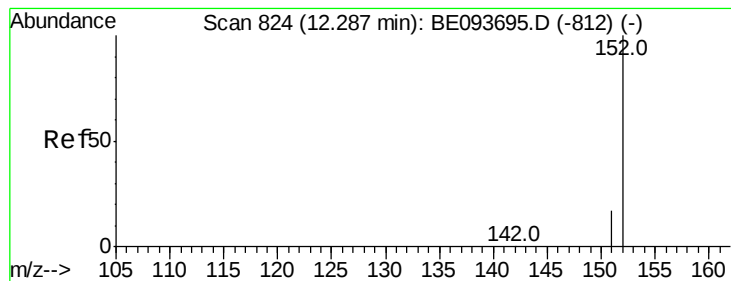
Delta R.T. -0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1452 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 64.8  | 49.7  | 74.5 |
| 227       | 64.6  | 50.3  | 75.5 |





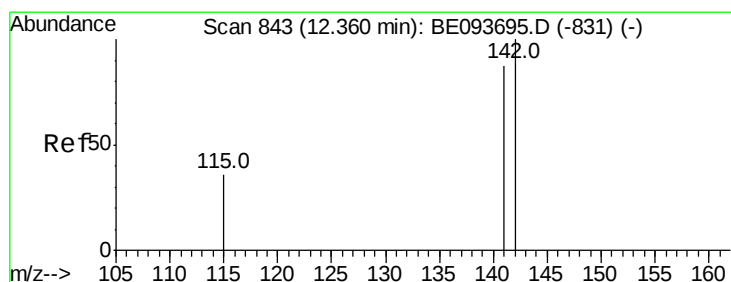
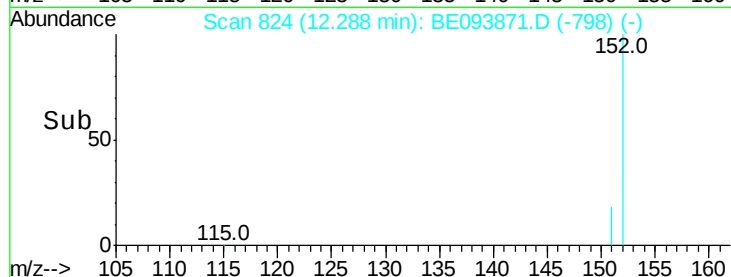
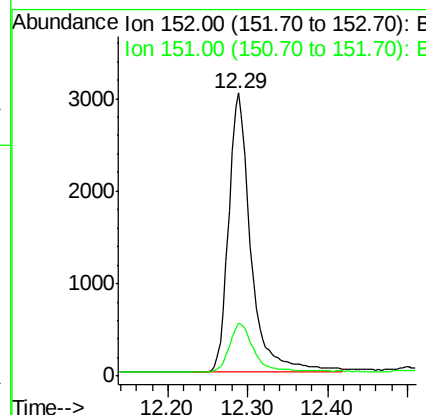
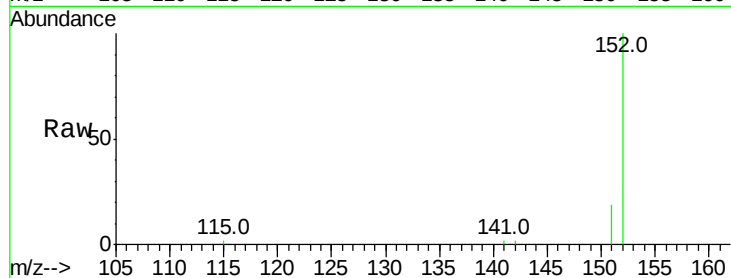
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.351 ng  
 RT: 12.29 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE093871.D  
 Acq: 22 Aug 2017 12:18

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion:152 Resp: 5822  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.1 22.7

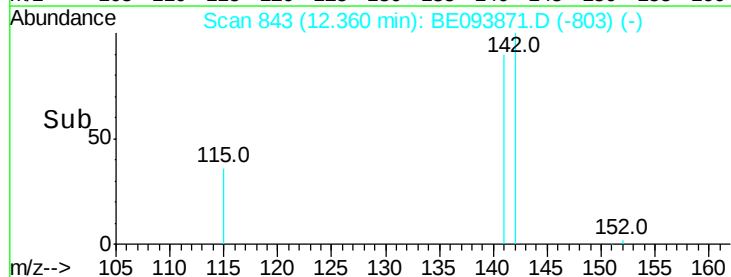
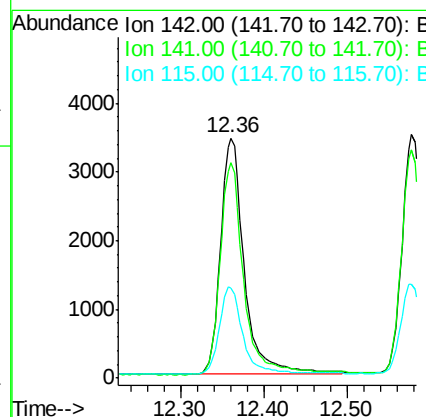
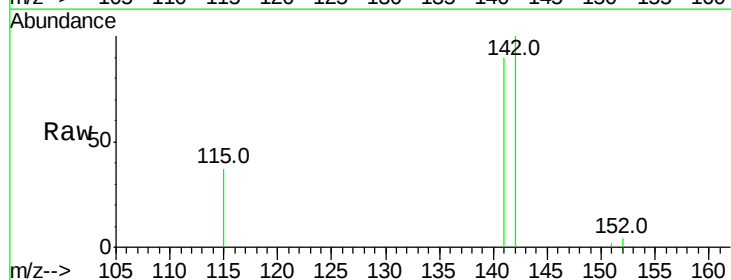
Manual Integrations  
 APPROVED

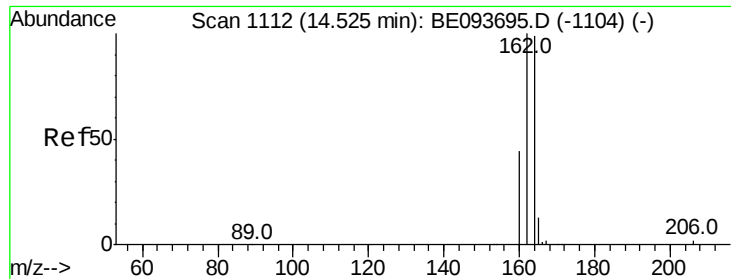
Sohil  
 8/23/2017 3:00:34 PM



#12  
 2-Methylnaphthalene  
 Concen: 0.346 ng  
 RT: 12.36 min Scan# 843  
 Delta R.T. 0.00 min  
 Lab File: BE093871.D  
 Acq: 22 Aug 2017 12:18

Tgt Ion:142 Resp: 6913  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 72.6 108.8  
 115 37.4 32.2 48.2





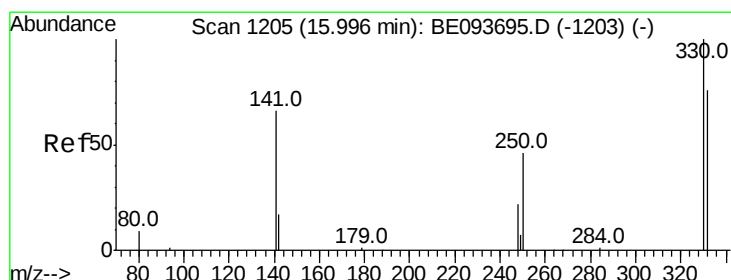
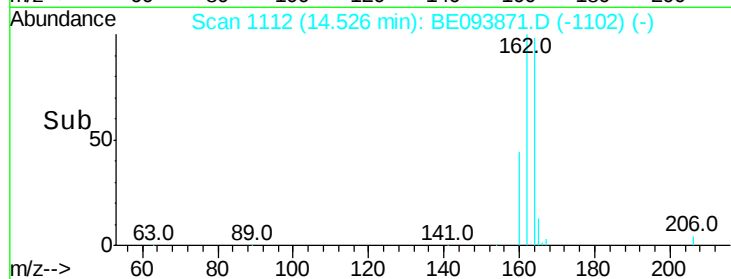
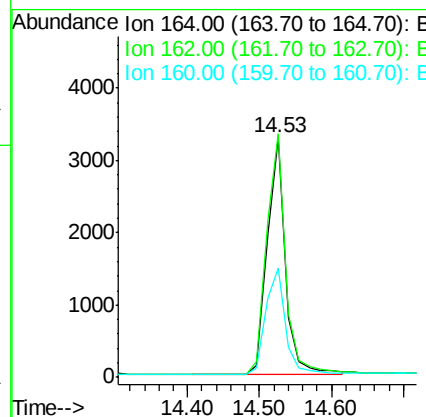
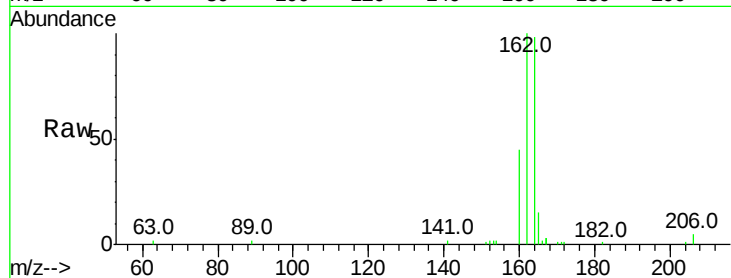
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 84.6  | 127.0 |
| 160     | 45.4  | 41.8  | 62.6  |

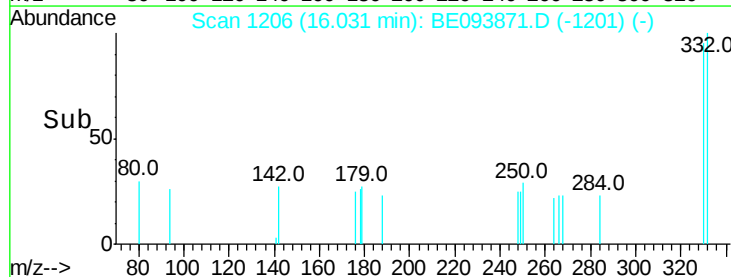
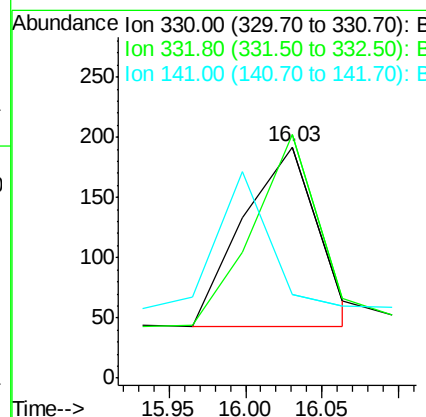
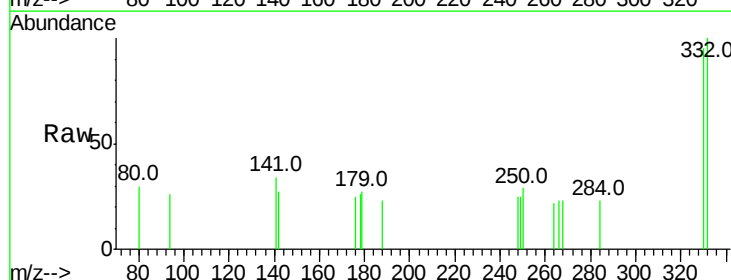
Manual Integrations  
APPROVED

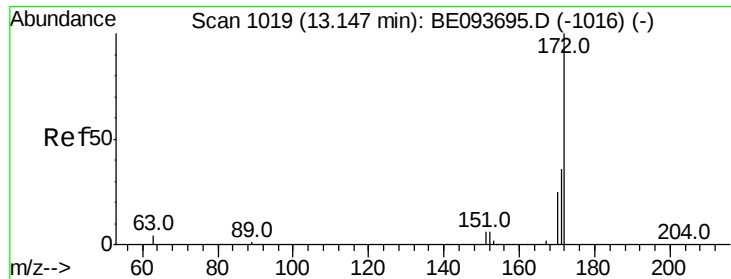
Sohil  
8/23/2017 3:00:34 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.321 ng  
RT: 16.03 min Scan# 1206  
Delta R.T. 0.03 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 77.7  | 116.5 |
| 141     | 0.0   | 56.2  | 84.4# |





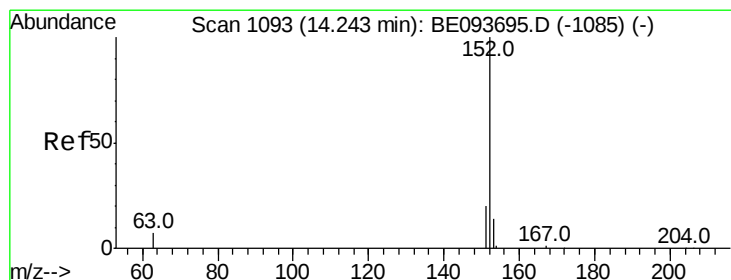
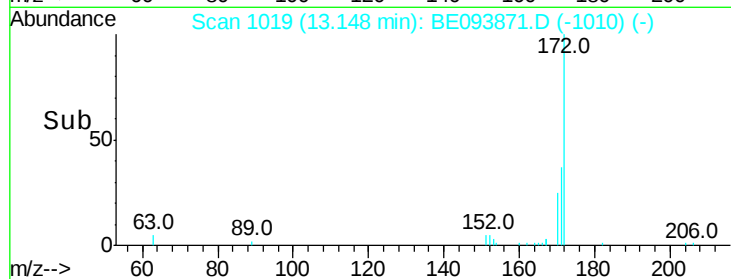
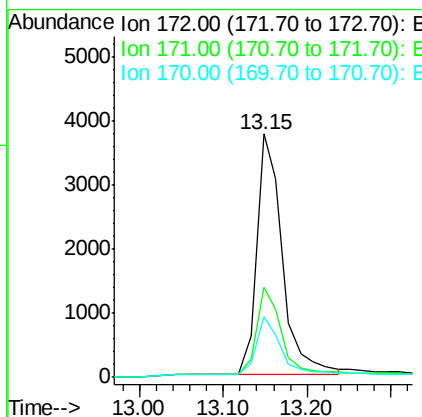
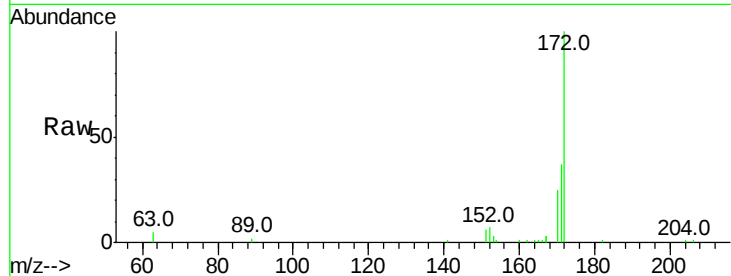
#15  
2-Fluorobiphenyl  
Concen: 0.350 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.8  | 44.6  |
| 170     | 25.1  | 20.7  | 31.1  |

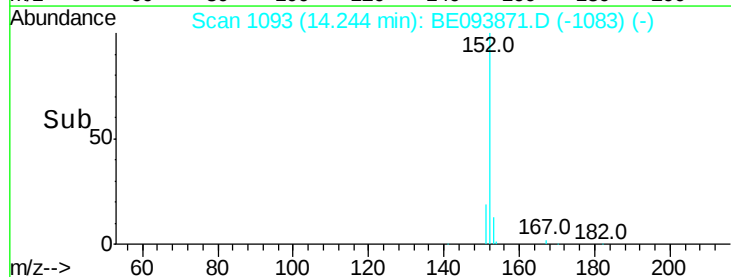
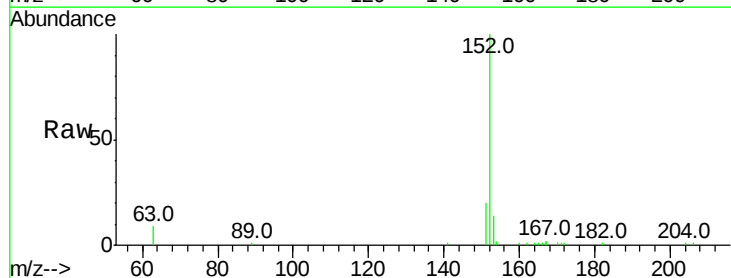
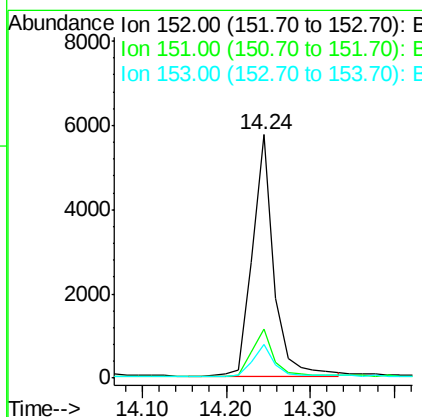
Manual Integrations  
APPROVED

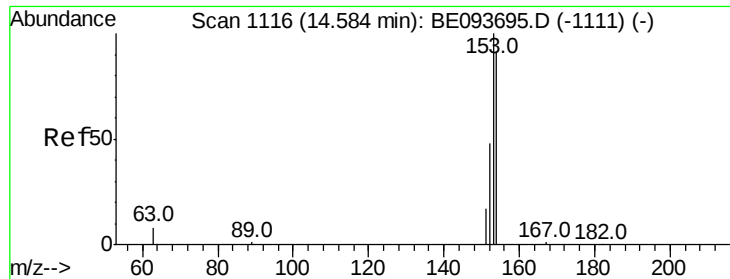
Sohil  
8/23/2017 3:00:34 PM



#16  
Acenaphthylene  
Concen: 0.348 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 4.0   | 6.0#  |
| 153     | 13.1  | 10.3  | 15.5  |





#17

Acenaphthene

Concen: 0.340 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:154 Resp: 6657

Ion Ratio Lower Upper

154 100

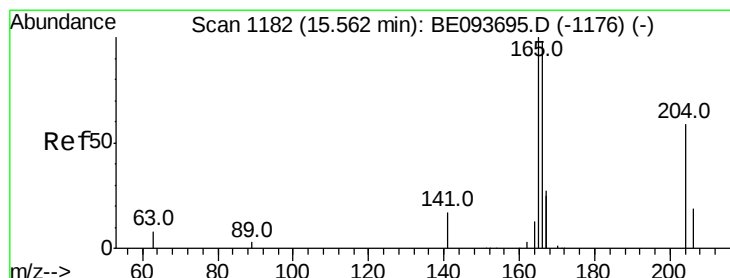
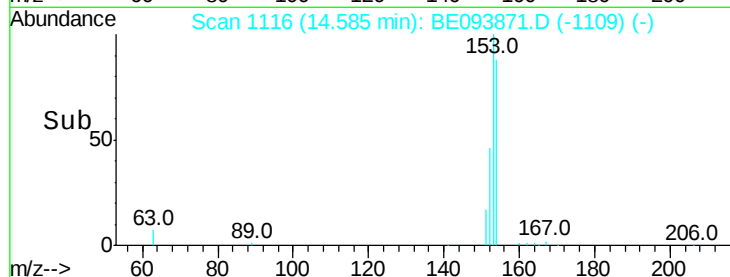
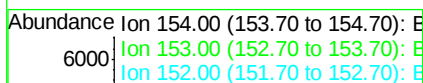
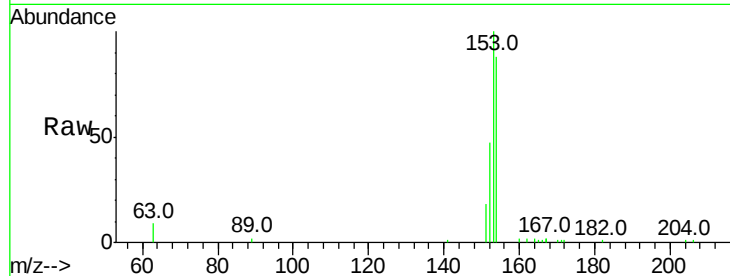
153 114.8 91.2 136.8

152 54.6 44.8 67.2

Manual Integrations  
APPROVED

Sohil

8/23/2017 3:00:34 PM



#18

Fluorene

Concen: 0.344 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

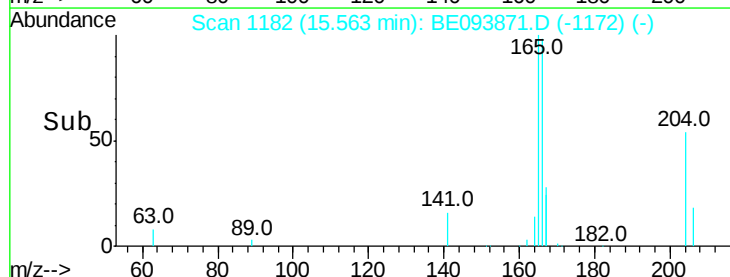
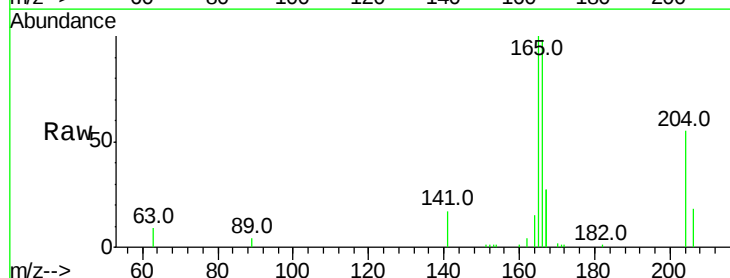
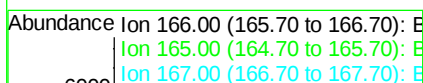
Tgt Ion:166 Resp: 8707

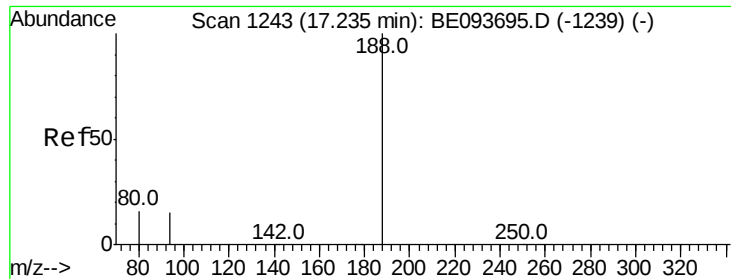
Ion Ratio Lower Upper

166 100

165 99.7 78.6 117.8

167 54.4 11.1 16.7#





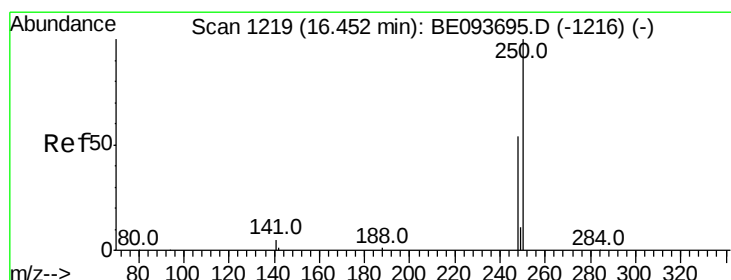
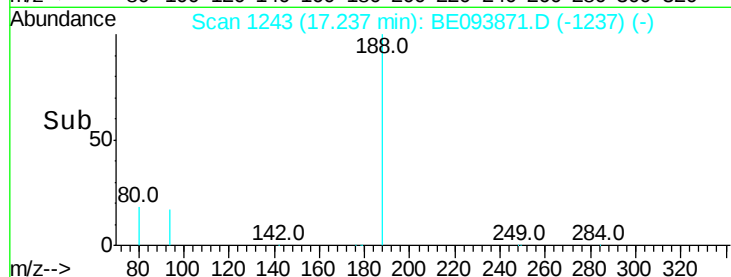
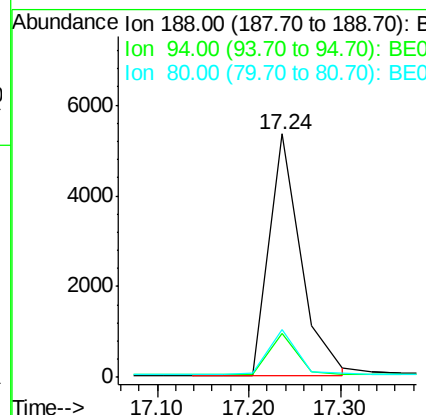
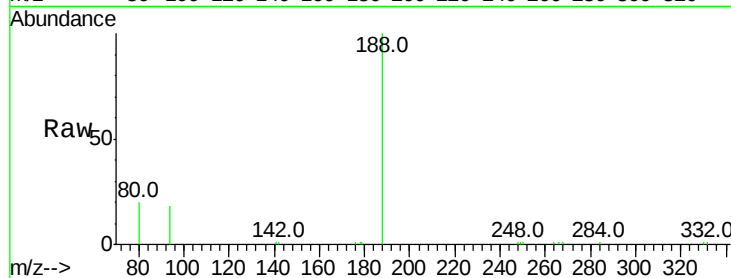
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.24 min Scan# 1243  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 18.0  | 11.3  | 16.9# |
| 80      | 19.5  | 11.7  | 17.5# |

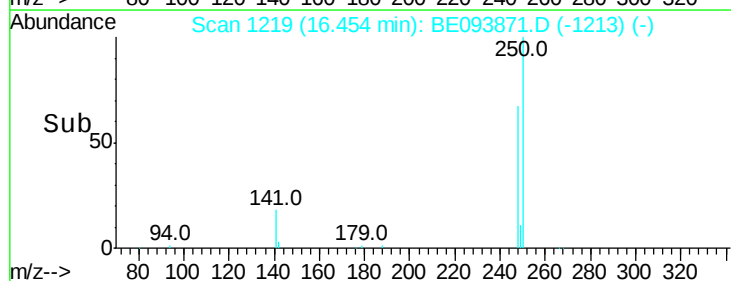
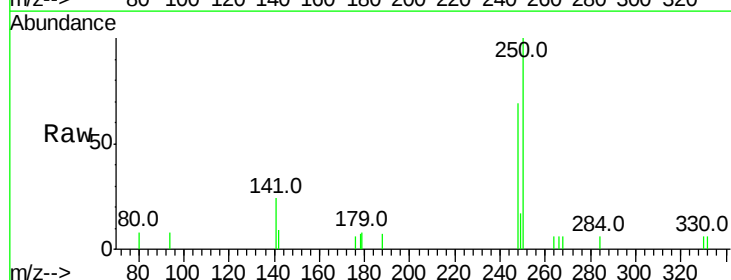
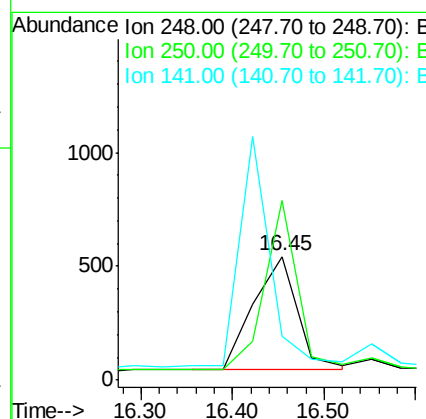
Manual Integrations  
APPROVED

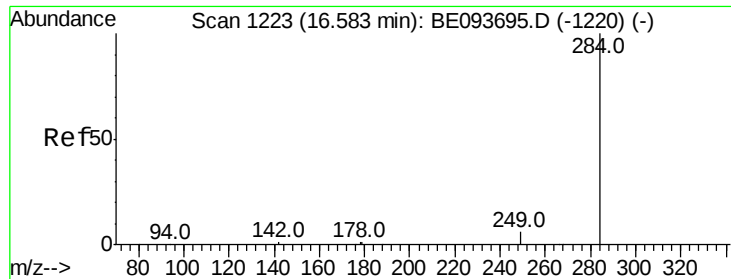
Sohil  
8/23/2017 3:00:34 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.460 ng  
RT: 16.45 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 145.1 | 128.0 | 192.0 |
| 141     | 35.5  | 12.0  | 18.0# |





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

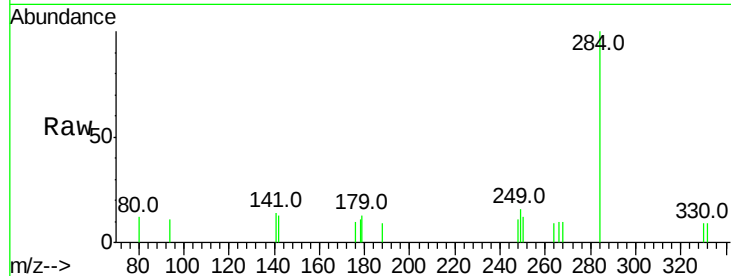
ClientSampleId :

SSTDCCC0.4

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 1592 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 0.0   | 0.0   | 0.0  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



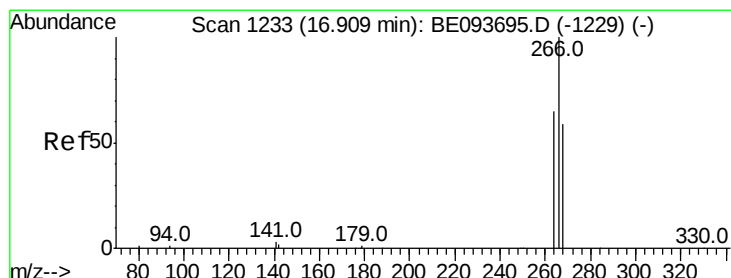
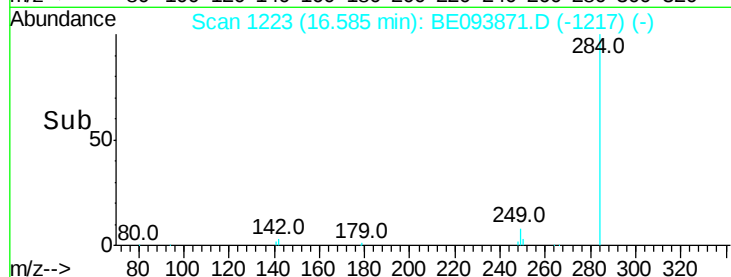
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.58

Time-->



#22

Pentachlorophenol

Concen: 0.260 ng

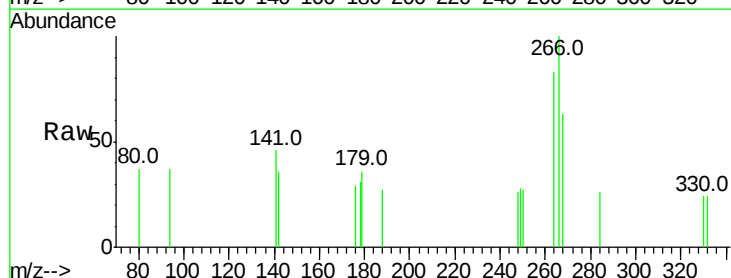
RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 706  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 83.1  | 56.0  | 84.0 |
| 268       | 63.4  | 52.0  | 78.0 |



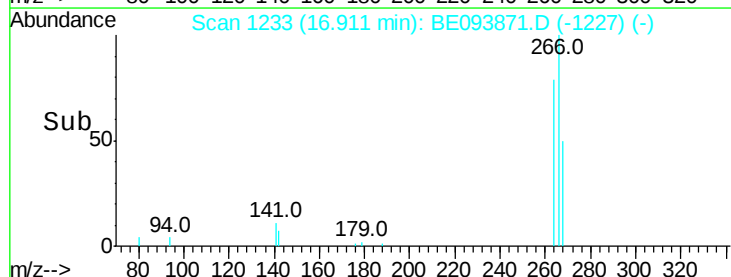
Abundance Ion 266.00 (265.70 to 266.70): E

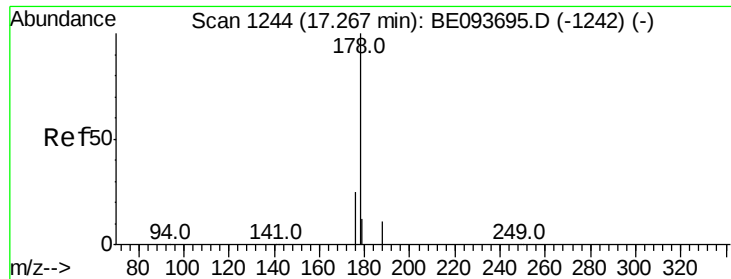
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.91

Time-->





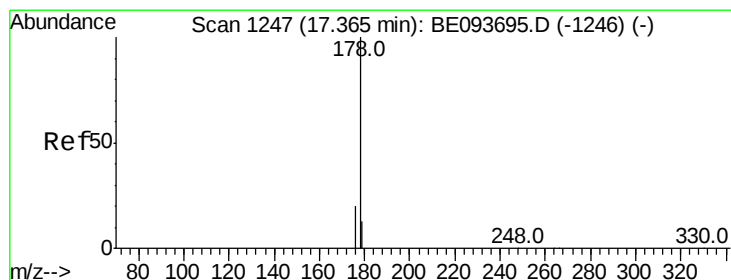
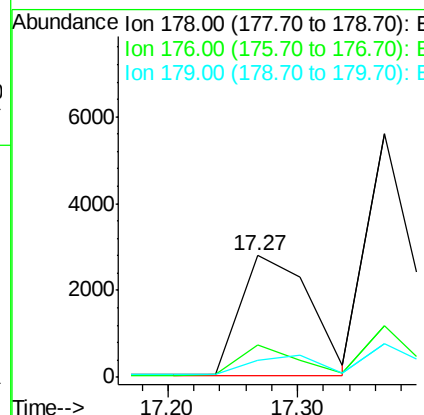
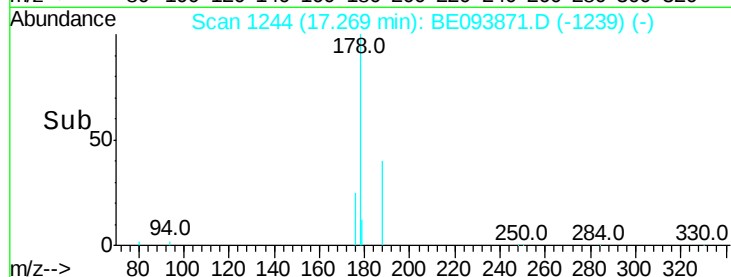
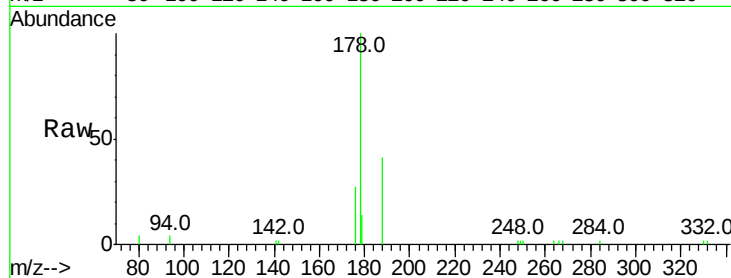
#23  
Phenanthrene  
Concen: 0.380 ng m  
RT: 17.27 min Scan# 1244  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

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

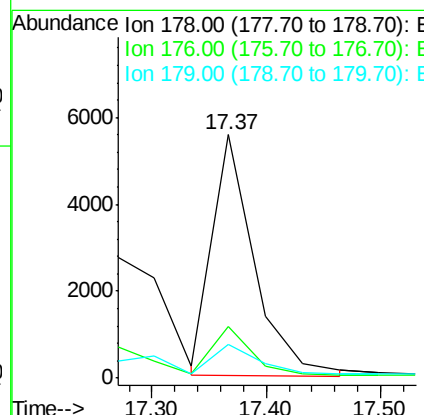
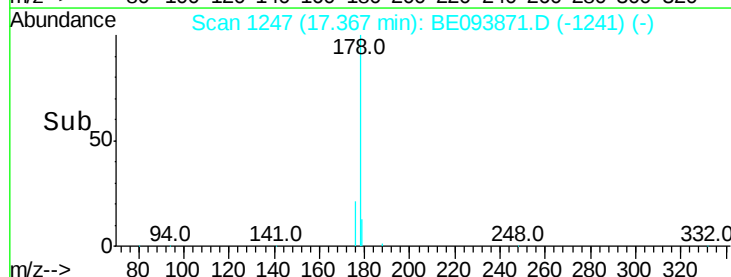
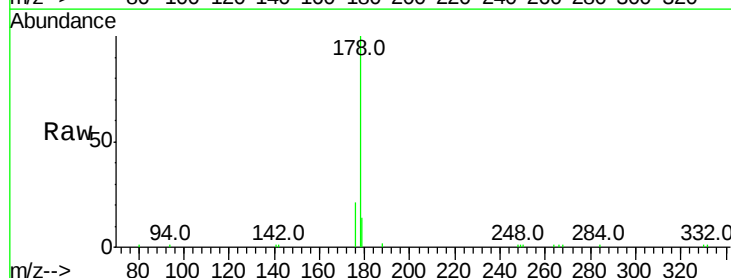
Manual Integrations  
APPROVED

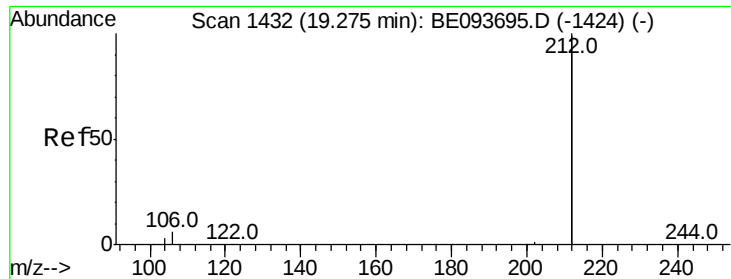
Sohil  
8/23/2017 3:00:34 PM



#24  
Anthracene  
Concen: 0.344 ng m  
RT: 17.37 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 33.7  | 14.6  | 22.0# |
| 179     | 12.7  | 12.0  | 18.0  |





#25

Fluoranthene-d10

Concen: 0.374 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

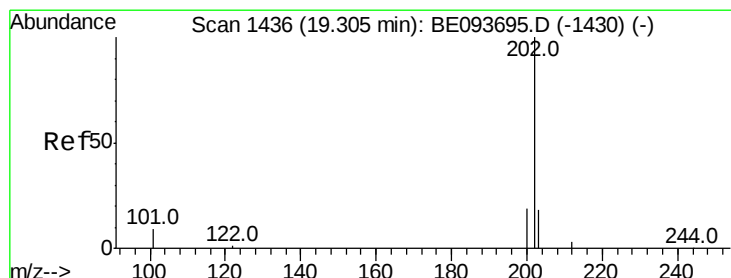
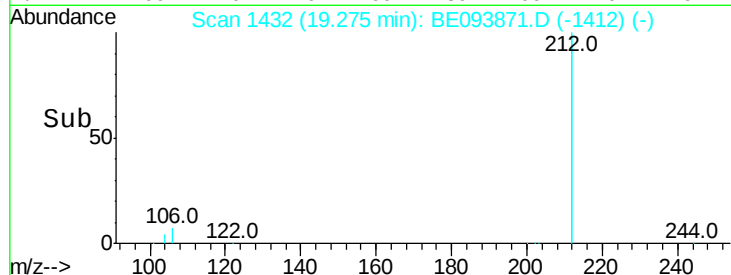
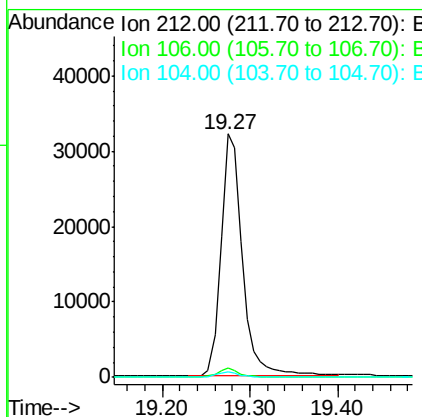
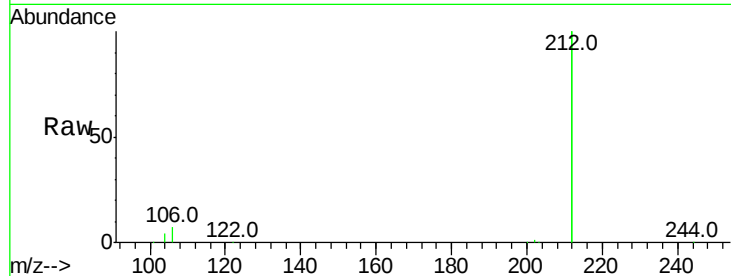
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 54845 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.4   | 2.4   | 3.6   |
| 104       | 1.9   | 1.6   | 2.4   |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#26

Fluoranthene

Concen: 0.363 ng

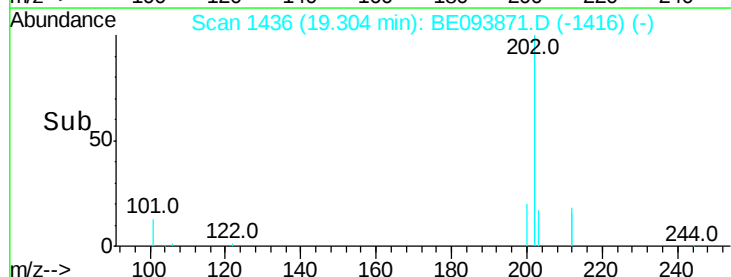
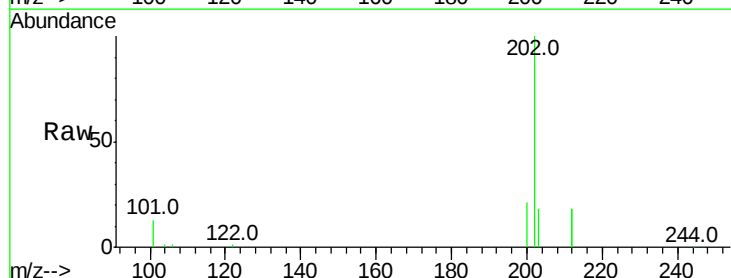
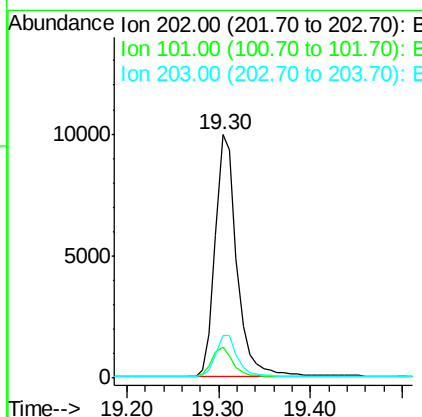
RT: 19.30 min Scan# 1436

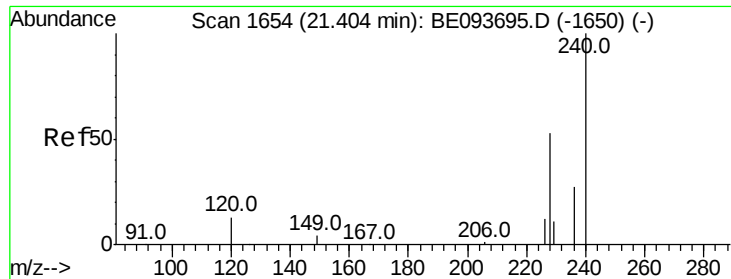
Delta R.T. -0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 16334 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.4  | 9.6   | 14.4  |
| 203       | 17.1  | 14.4  | 21.6  |





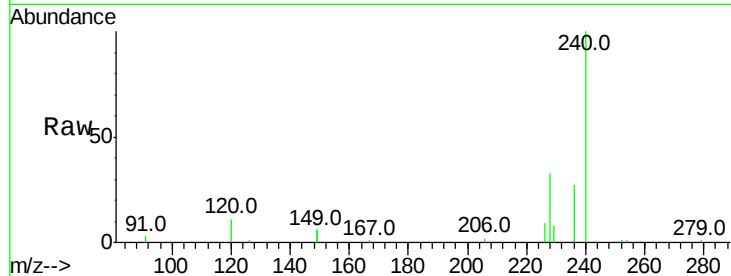
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.42 min Scan# 1655  
Delta R.T. 0.01 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

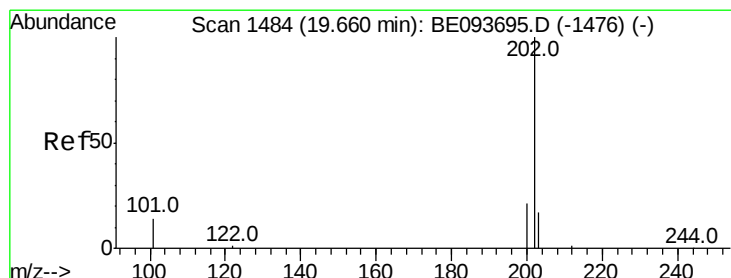
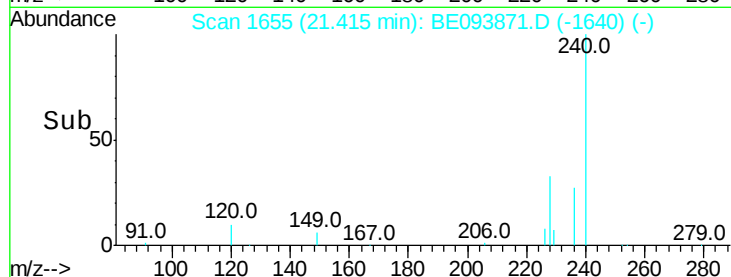
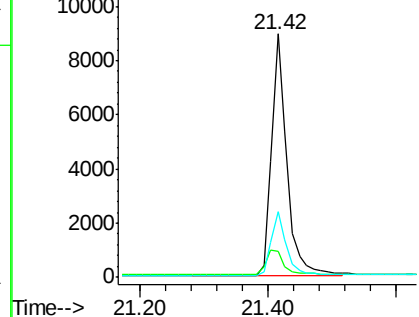
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 4.6   | 7.0#  |
| 236     | 27.2  | 20.8  | 31.2  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



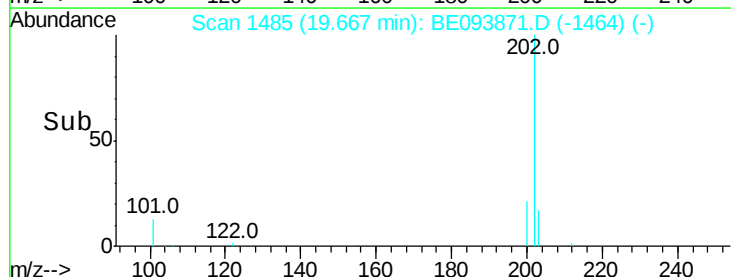
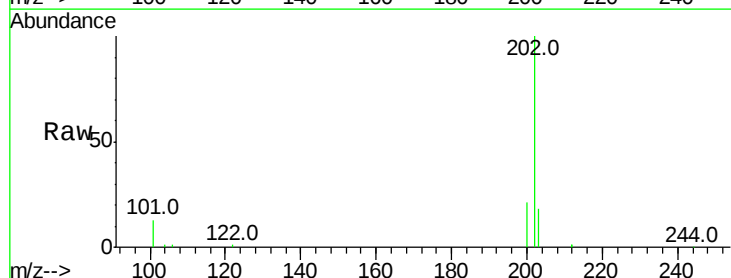
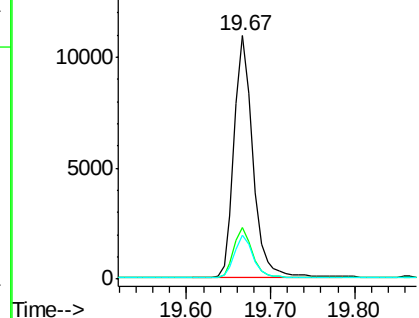
Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

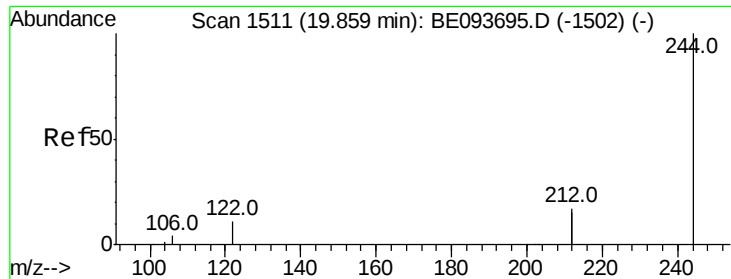


#28  
Pyrene  
Concen: 0.349 ng  
RT: 19.67 min Scan# 1485  
Delta R.T. 0.01 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.0  | 0.0   | 0.0#  |
| 203     | 17.7  | 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: 0.348 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BE093871.D

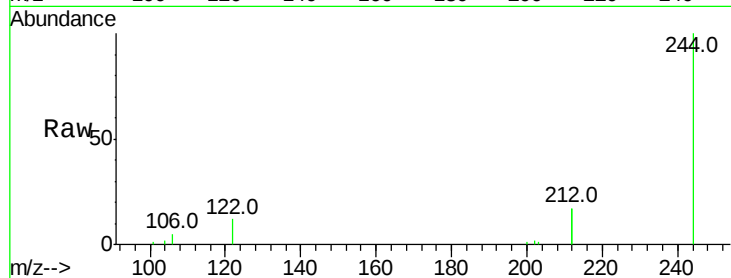
Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4



Tot Ion:244 Resp: 9189

Ion Ratio Lower Upper

244 100

212 34.7 10.6 16.0#

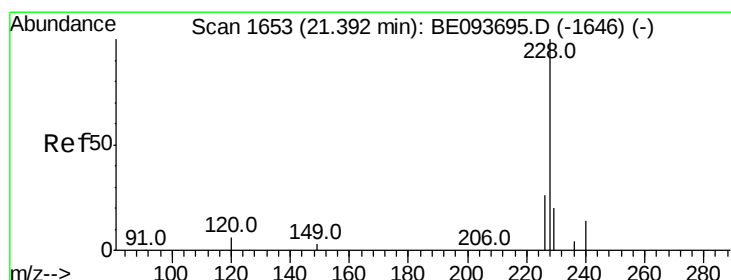
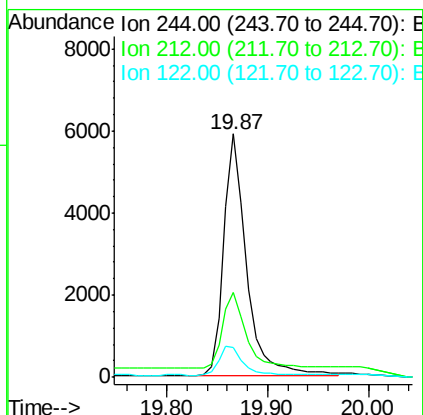
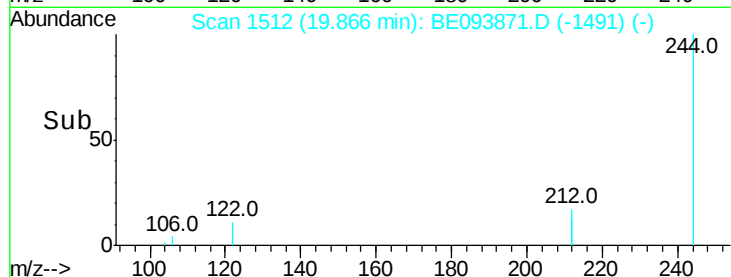
122 12.4 15.4 23.0#

Manual Integrations

APPROVED

Sohil

8/23/2017 3:00:34 PM



#30

Benzo(a)anthracene

Concen: 0.332 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

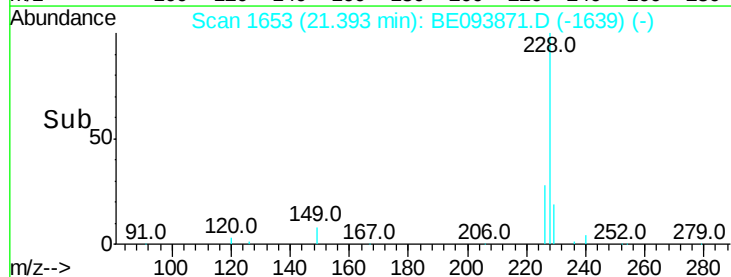
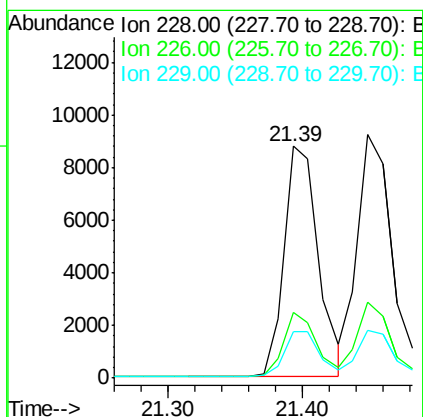
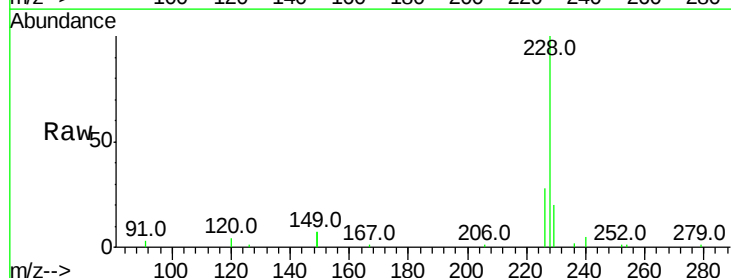
Tgt Ion:228 Resp: 15597

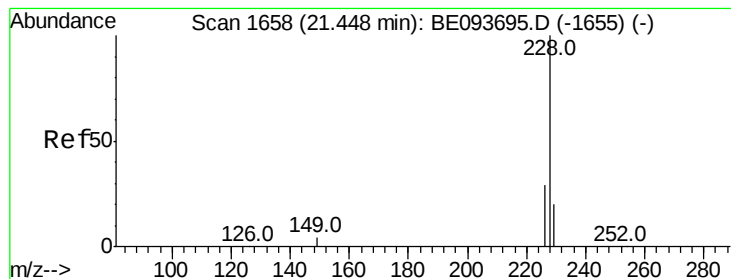
Ion Ratio Lower Upper

228 100

226 28.5 19.7 29.5

229 19.9 19.2 28.8





#31

Chrysene

Concen: 0.357 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

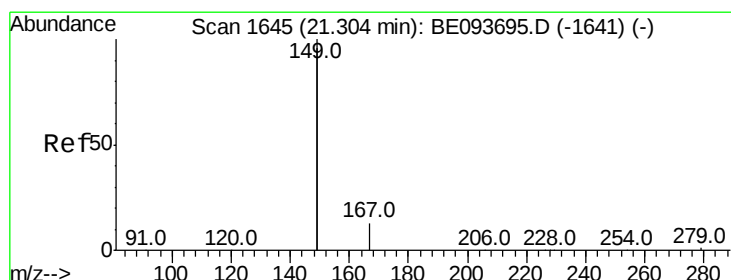
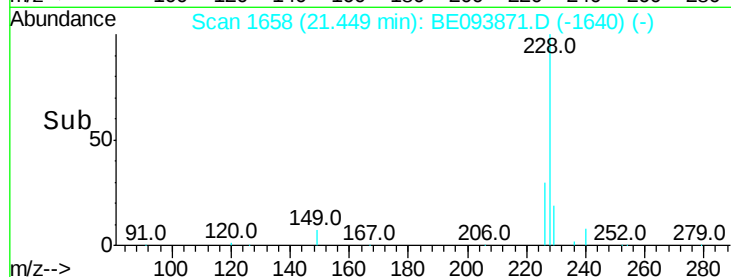
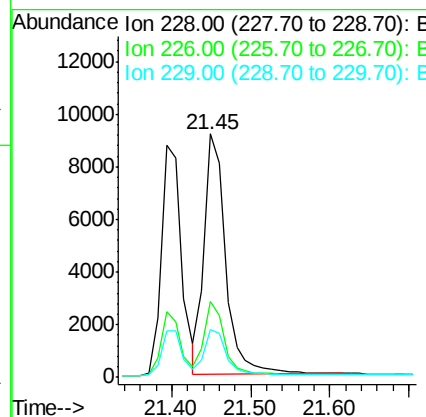
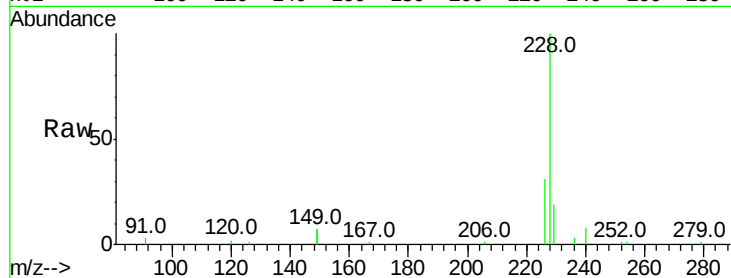
ClientSampleId :

SSTDCCC0.4

|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 17137 |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 31.0    | 21.5  | 32.3  |
| 229 19.4    | 18.6  | 28.0  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.357 ng

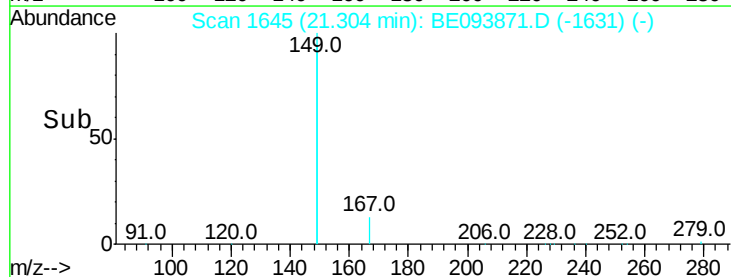
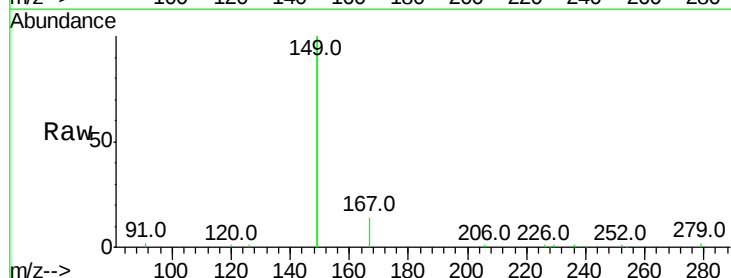
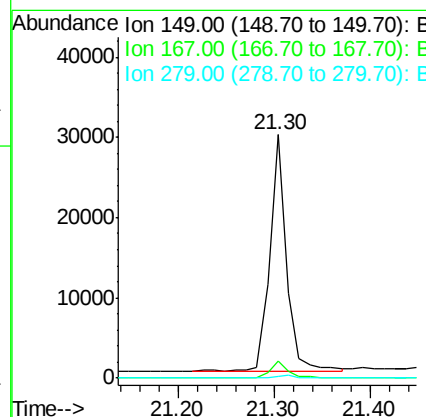
RT: 21.30 min Scan# 1645

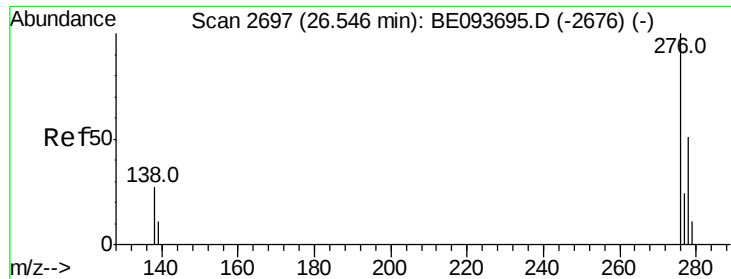
Delta R.T. 0.00 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:149 | Resp: | 36051 |
| Ion Ratio   | Lower | Upper |
| 149 100     |       |       |
| 167 7.0     | 4.8   | 7.2   |
| 279 0.9     | 0.8   | 1.2   |





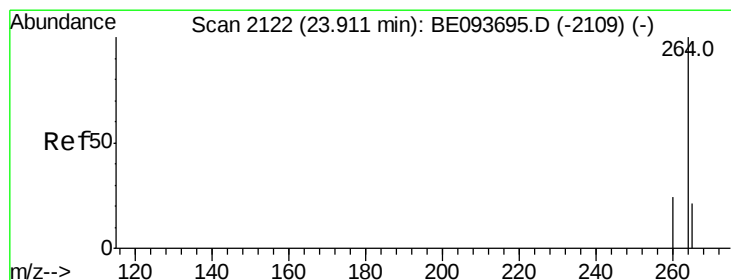
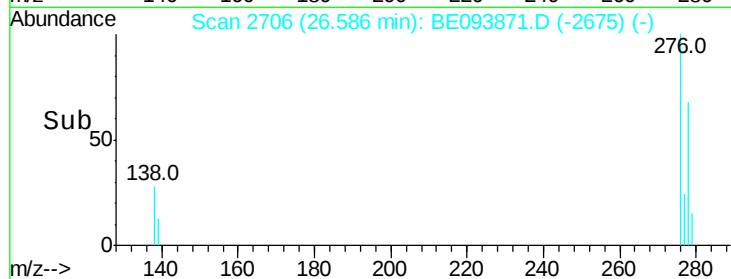
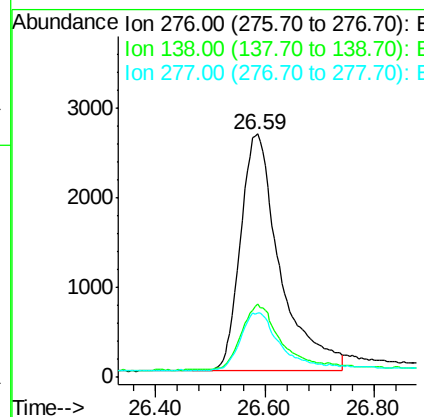
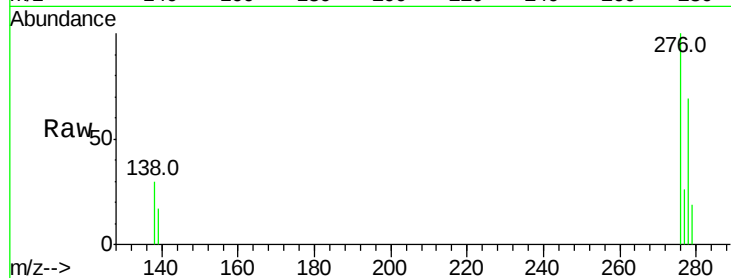
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.286 ng  
RT: 26.59 min Scan# 2706  
Delta R.T. 0.04 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.6  | 27.4  | 41.2  |
| 277     | 24.9  | 20.1  | 30.1  |

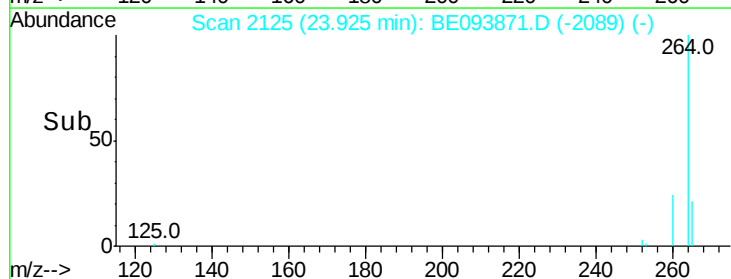
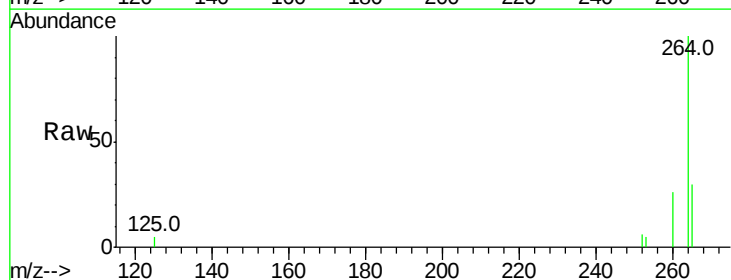
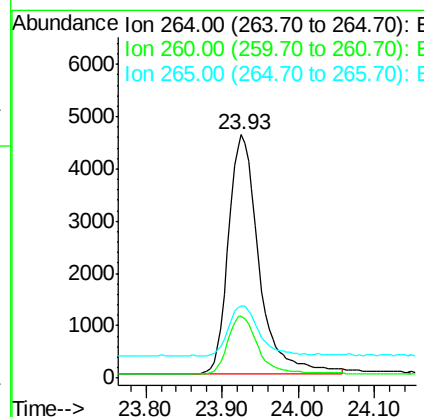
Manual Integrations  
APPROVED

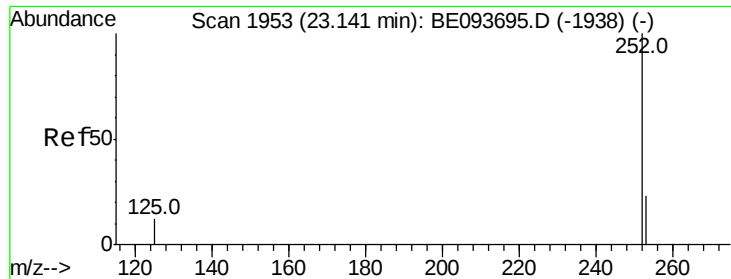
Sohil  
8/23/2017 3:00:34 PM



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.93 min Scan# 2125  
Delta R.T. 0.01 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.6  | 21.0  | 31.4  |
| 265     | 29.7  | 24.6  | 36.8  |





#35

Benzo(b)fluoranthene

Concen: 0.310 ng

RT: 23.15 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

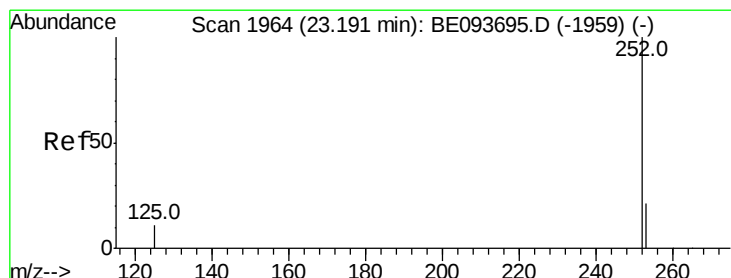
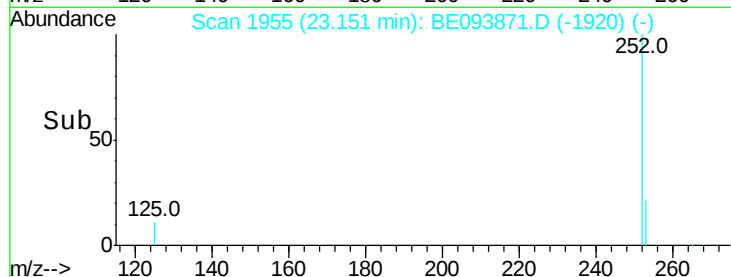
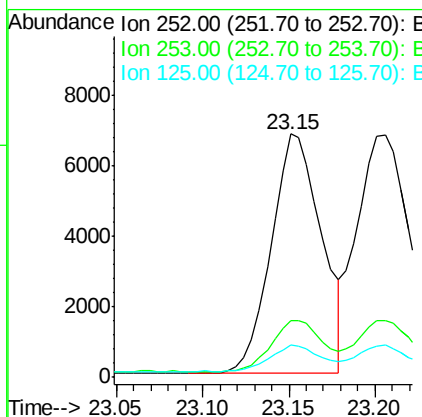
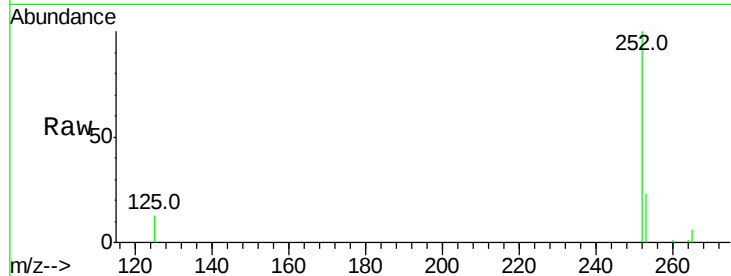
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 13775 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.2  | 18.5  | 27.7  |
| 125       | 13.4  | 13.4  | 20.0  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



#36

Benzo(k)fluoranthene

Concen: 0.358 ng

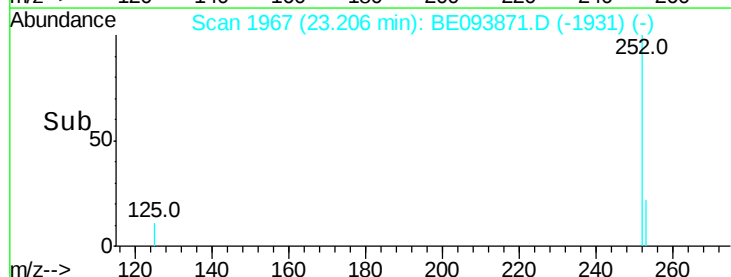
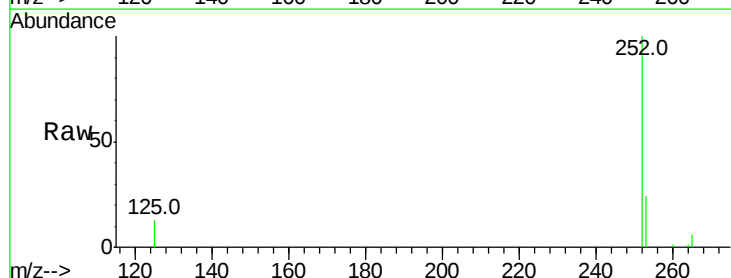
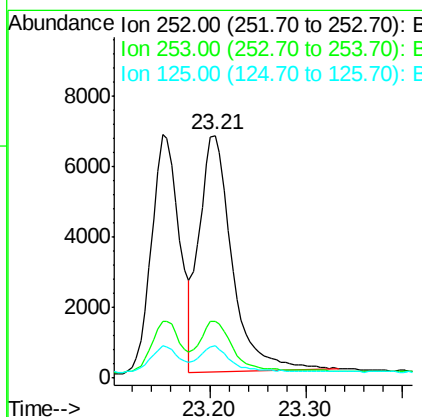
RT: 23.21 min Scan# 1967

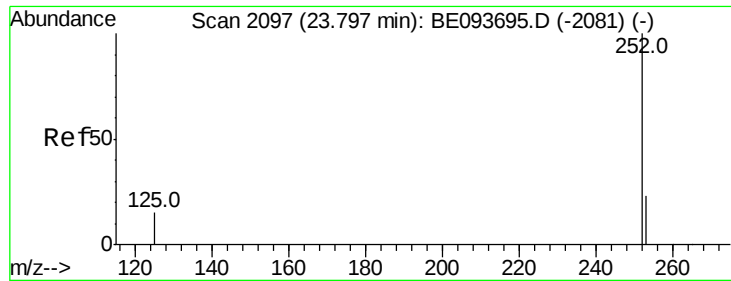
Delta R.T. 0.01 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 15902 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.5  | 20.3  | 30.5  |
| 125       | 13.2  | 12.2  | 18.4  |





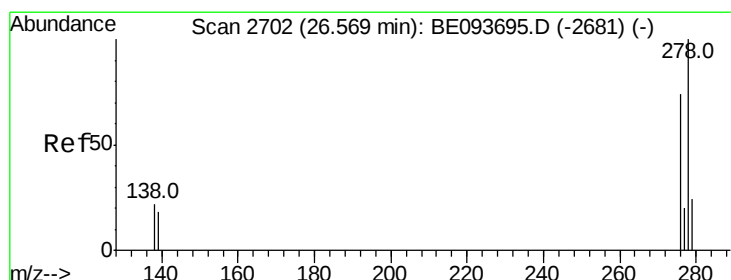
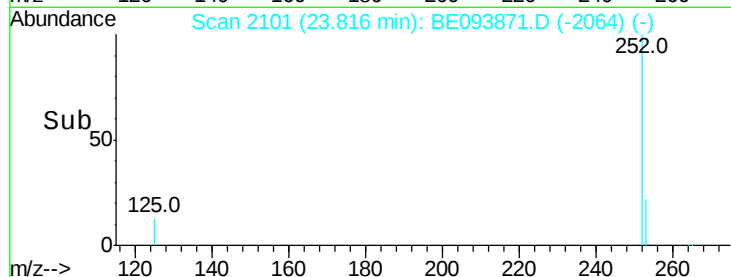
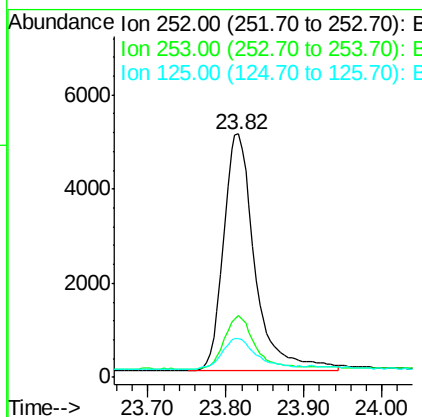
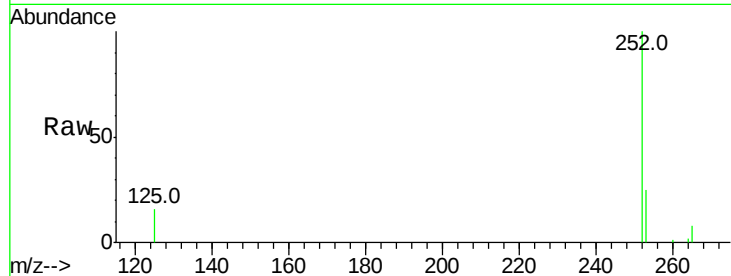
#37  
Benzo(a)pyrene  
Concen: 0.335 ng  
RT: 23.82 min Scan# 2101  
Delta R.T. 0.02 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 19.9  | 29.9  |
| 125     | 16.1  | 14.6  | 21.8  |

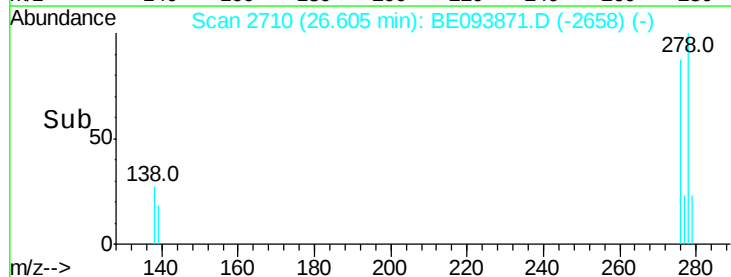
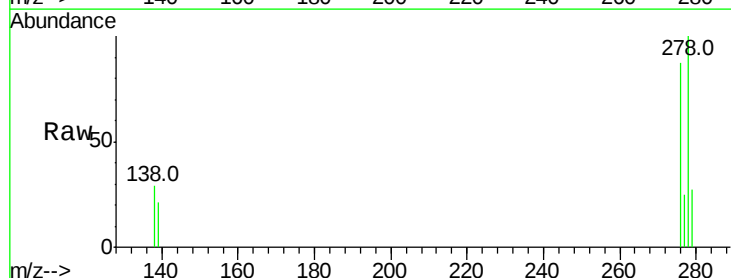
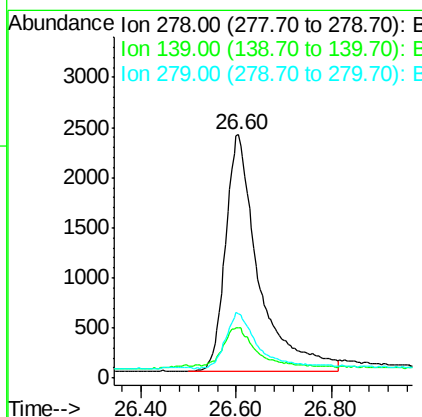
Manual Integrations  
APPROVED

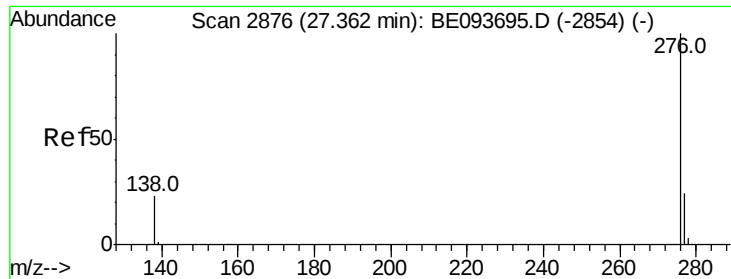
Sohil  
8/23/2017 3:00:34 PM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.292 ng  
RT: 26.60 min Scan# 2710  
Delta R.T. 0.04 min  
Lab File: BE093871.D  
Acq: 22 Aug 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.7  | 21.4  | 32.0# |
| 279     | 26.5  | 22.2  | 33.2  |





#39

Benzo(a,h,i)perylene

Concen: 0.297 ng

RT: 27.40 min Scan# 2884

Delta R.T. 0.04 min

Lab File: BE093871.D

Acq: 22 Aug 2017 12:18

Instrument :

BNA\_E

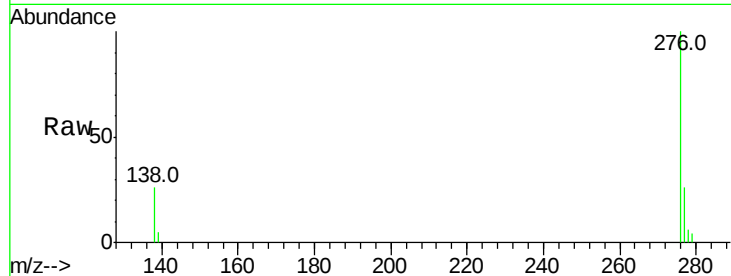
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 11721 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.5  | 21.2  | 31.8  |
| 138       | 25.5  | 24.5  | 36.7  |

Manual Integrations  
APPROVED

Sohil  
8/23/2017 3:00:34 PM



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

