

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\  
 Data File : BE094101.D  
 Acq On : 25 Sep 2017 14:17  
 Operator : SJ/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

Sohil  
 9/26/2017 5:03:34 PM

Quant Time: Sep 25 15:47:44 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 25 15:34:48 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1317     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.69 | 136  | 5909     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 3410     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 13306    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 13117    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.91 | 264  | 12828    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.50  | 112 | 1005  | 0.15 | ng | 0.00 |
| 5) Phenol-d6                | 7.09  | 99  | 1362  | 0.17 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 1158  | 0.22 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 1845  | 0.18 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 467   | 0.18 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 2379  | 0.21 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.27 | 212 | 25363 | 0.15 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 4903  | 0.24 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 619   | 0.225  | ng | # 87 |
| 3) n-Nitrosodimethylamine      | 3.73  | 42  | 685   | 0.201  | ng | 84   |
| 6) bis(2-Chloroethyl)ether     | 7.33  | 93  | 1051  | 0.181  | ng | # 86 |
| 9) Naphthalene                 | 10.74 | 128 | 13362 | 0.178  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.02 | 225 | 510   | 0.213  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 2169  | 0.182  | ng | 98   |
| 16) Acenaphthylene             | 14.23 | 152 | 3561  | 0.207  | ng | 95   |
| 17) Acenaphthene               | 14.57 | 154 | 2236  | 0.196  | ng | 97   |
| 18) Fluorene                   | 15.56 | 166 | 3045  | 0.180  | ng | 94   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 1099  | 0.154  | ng | # 90 |
| 21) Hexachlorobenzene          | 16.55 | 284 | 675m  | 0.129  | ng |      |
| 22) Pentachlorophenol          | 16.91 | 266 | 702   | 1.888  | ng | # 74 |
| 23) Phenanthrene               | 17.27 | 178 | 6789  | 0.142  | ng | 98   |
| 24) Anthracene                 | 17.37 | 178 | 7258  | 0.198  | ng | 98   |
| 26) Fluoranthene               | 19.30 | 202 | 7661  | 0.150  | ng | 98   |
| 28) Pyrene                     | 19.66 | 202 | 8384  | 0.231  | ng | 98   |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 9054  | 0.206  | ng | # 95 |
| 31) Chrysene                   | 21.45 | 228 | 8731  | 0.203  | ng | # 95 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 44468 | 0.377  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 9350  | 0.281  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.14 | 252 | 8767  | 0.189  | ng | # 82 |
| 36) Benzo(k)fluoranthene       | 23.19 | 252 | 8650  | 0.186  | ng | # 81 |
| 37) Benzo(a)pyrene             | 23.80 | 252 | 8348  | 0.200  | ng | # 79 |
| 38) Dibenzo(a,h)anthracene     | 26.57 | 278 | 7875  | 0.236  | ng | # 85 |
| 39) Benzo(g,h,i)perylene       | 27.38 | 276 | 7937  | 0.238  | ng | # 87 |

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

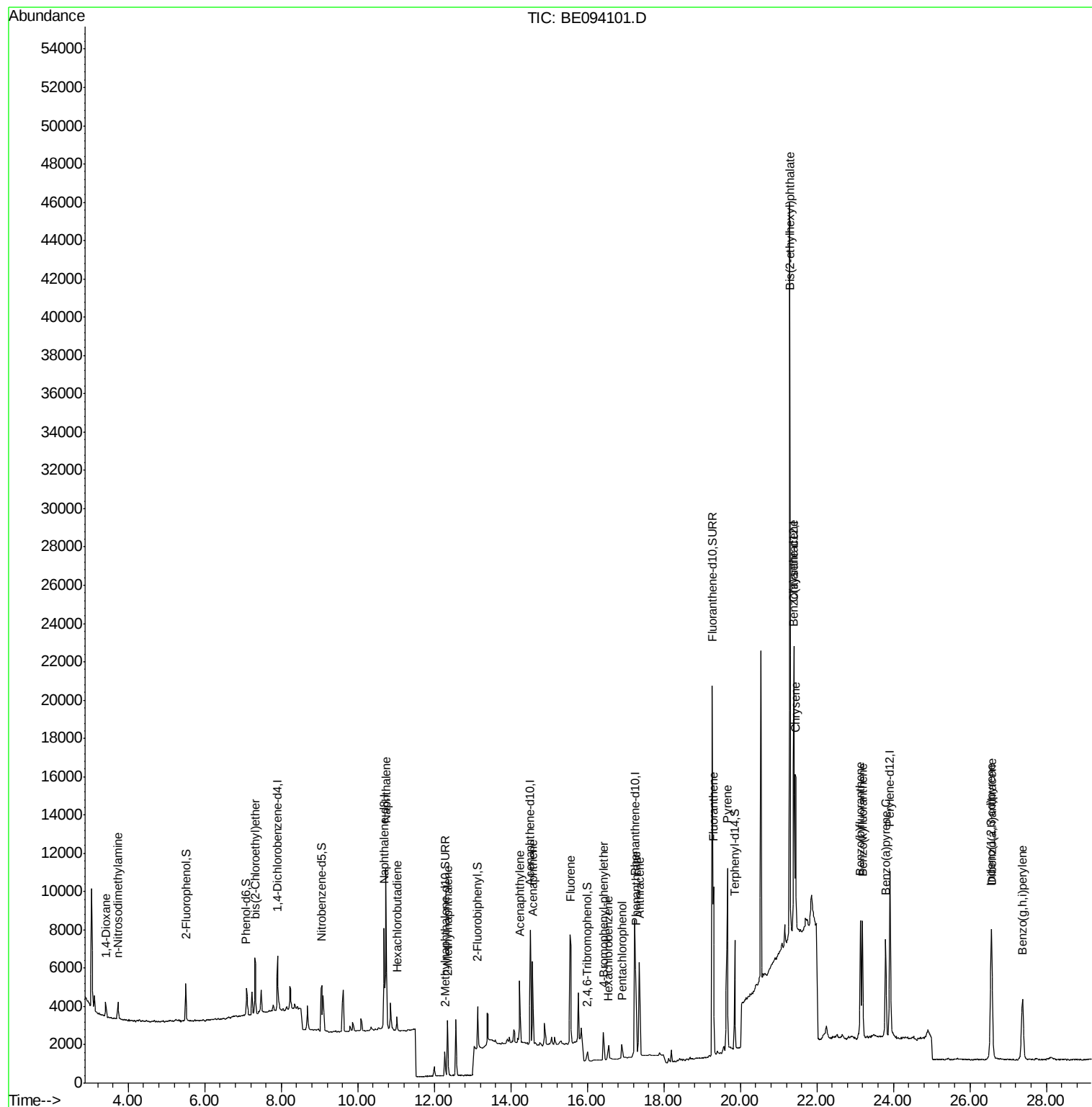
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\  
Data File : BE094101.D  
Acq On : 25 Sep 2017 14:17  
Operator : SJ/JU  
Sample : SSTDIC0.2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

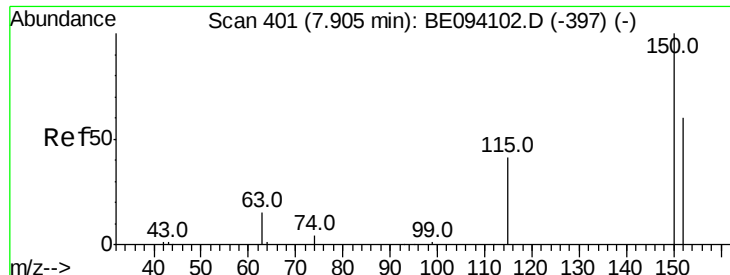
Instrument :  
BNA\_E  
ClientSampleID :  
SSTDICC0.2

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM

Quant Time: Sep 25 15:47:44 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 25 15:34:48 2017  
Response via : Initial Calibration





#1

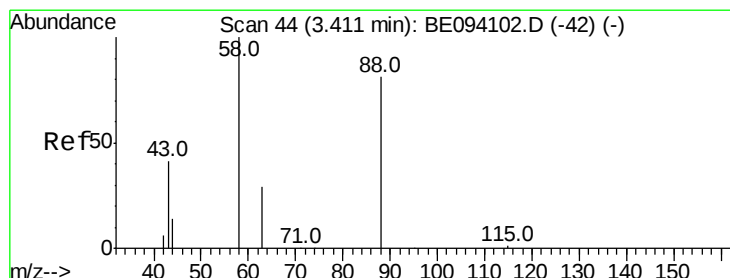
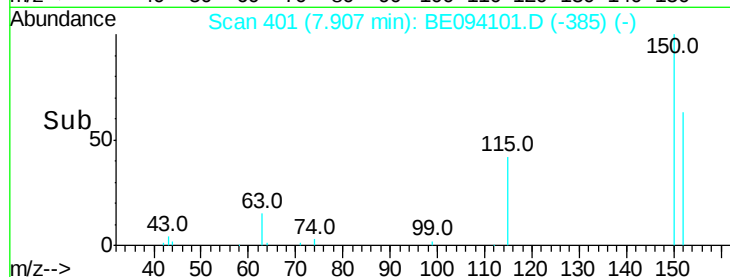
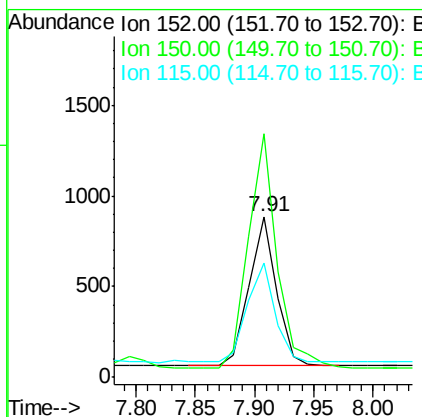
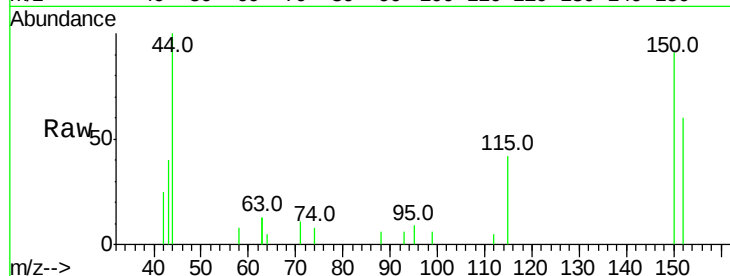
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.6 | 117.2 | 175.8 |
| 115     | 71.0  | 57.0  | 85.6  |

Manual Integrations  
APPROVED

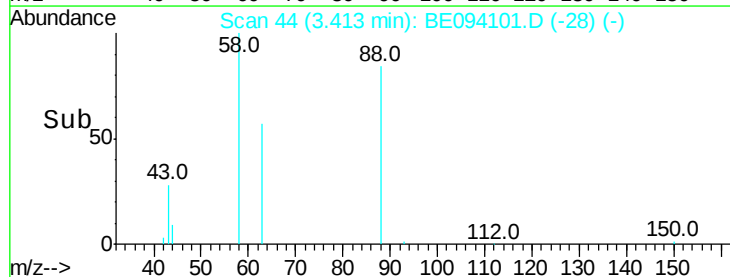
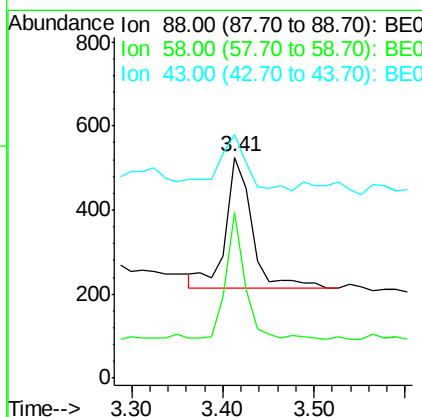
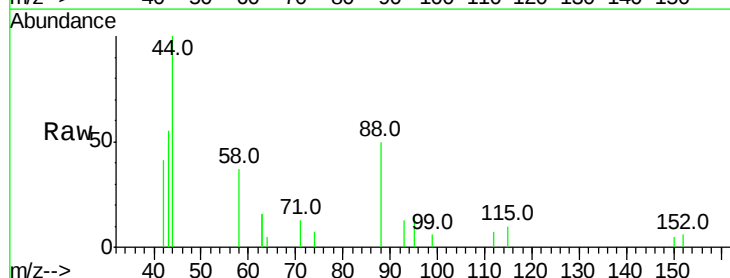
Sohil  
9/26/2017 5:03:34 PM



#2

1,4-Dioxane  
Concen: 0.225 ng  
RT: 3.41 min Scan# 44  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 72.4  | 63.2  | 94.8  |
| 43      | 37.0  | 41.2  | 61.8# |





#3

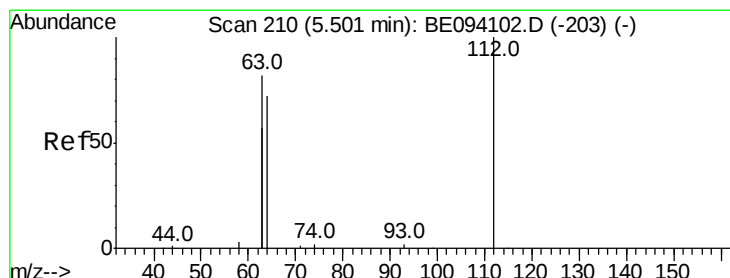
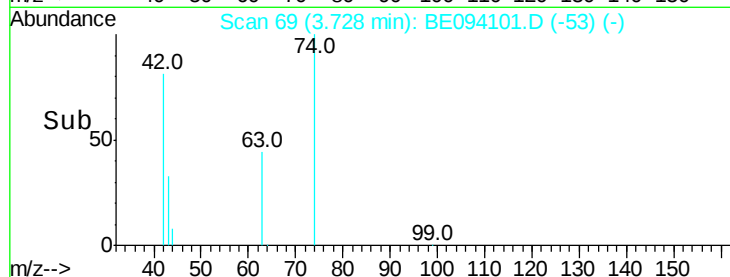
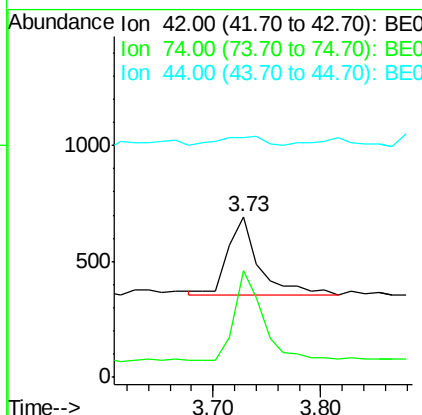
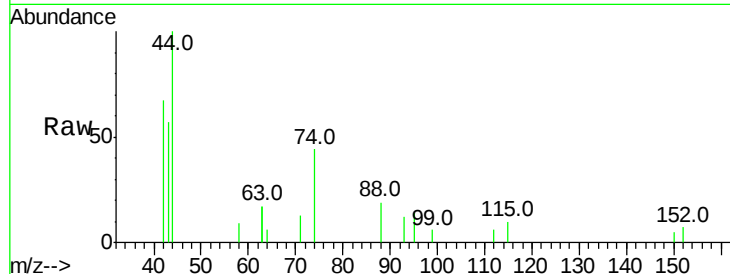
n-Nitrosodimethylamine  
 Concen: 0.201 ng  
 RT: 3.73 min Scan# 69  
 Delta R.T. 0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 685   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 104.1 | 100.3 | 150.5 |
| 44       | 19.6  | 17.0  | 25.4  |

Manual Integrations  
 APPROVED

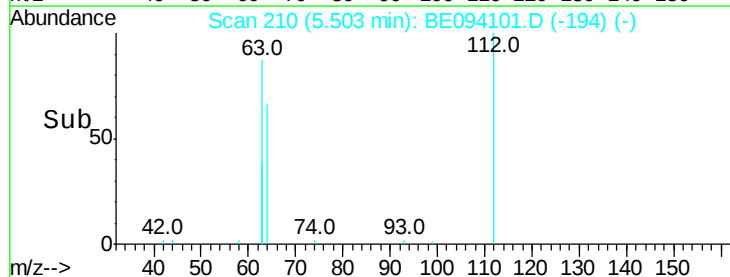
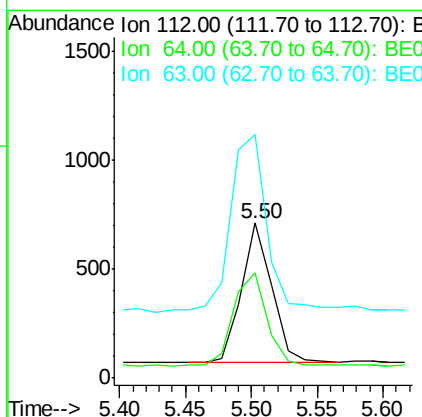
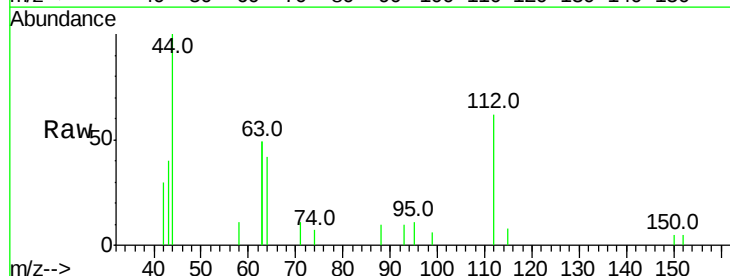
Sohil  
 9/26/2017 5:03:34 PM

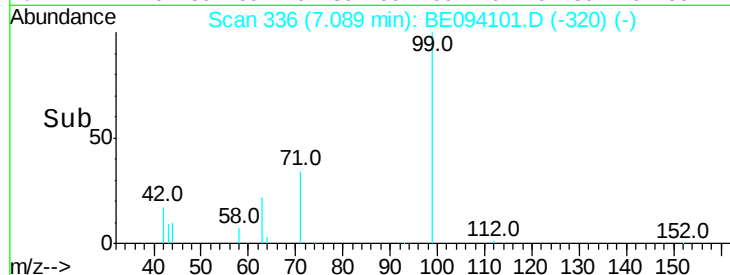
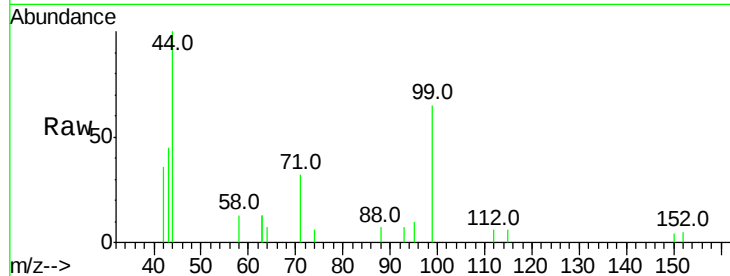
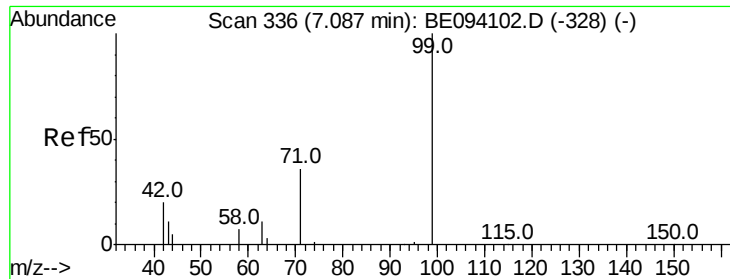


#4

2-Fluorophenol  
 Concen: 0.145 ng  
 RT: 5.50 min Scan# 210  
 Delta R.T. 0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 1005  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 75.1  | 60.1  | 90.1  |
| 63       | 159.0 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.175 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1362  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.4  | 20.2  | 30.2  |
| 71       | 37.9  | 28.4  | 42.6  |

Instrument :

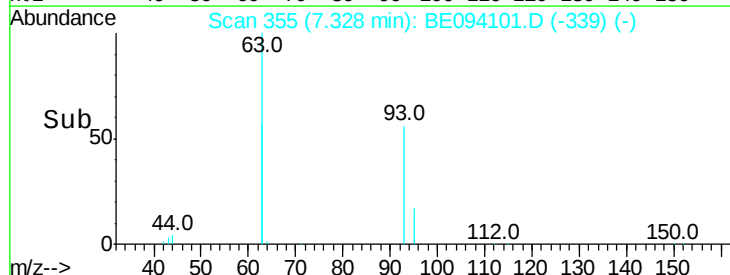
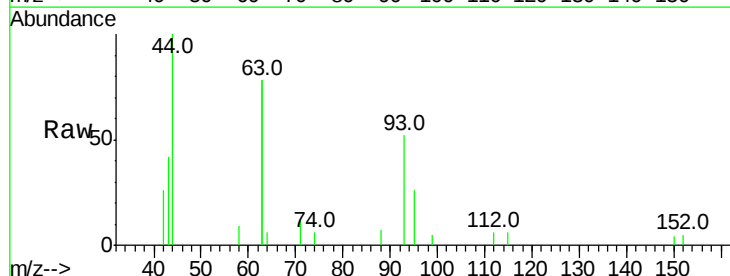
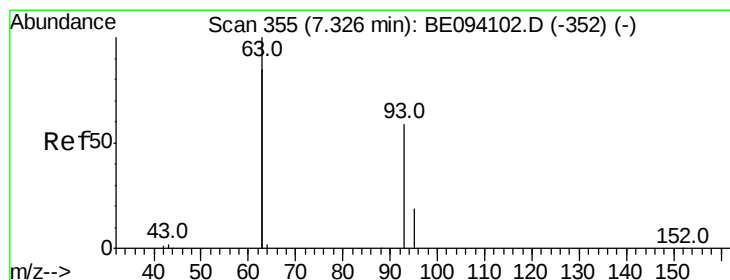
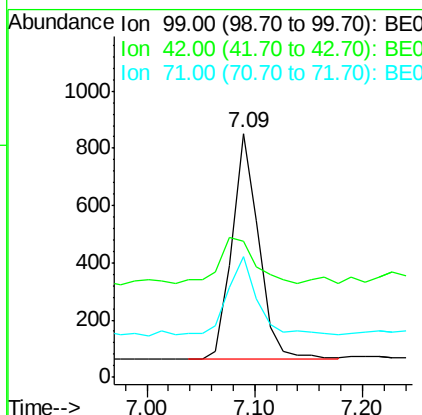
BNA\_E

ClientSampled :

SSTDICC0.2

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.181 ng

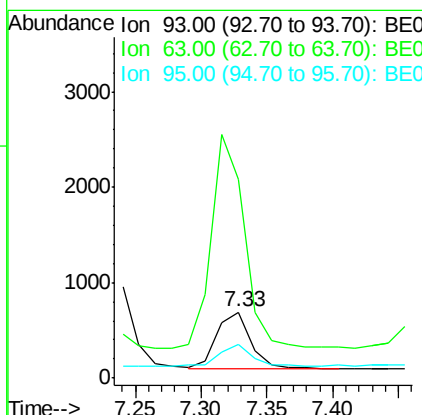
RT: 7.33 min Scan# 355

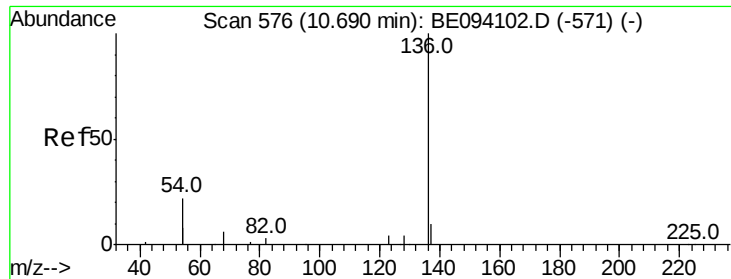
Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1051  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 372.6 | 275.3 | 412.9 |
| 95       | 40.3  | 25.2  | 37.8# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

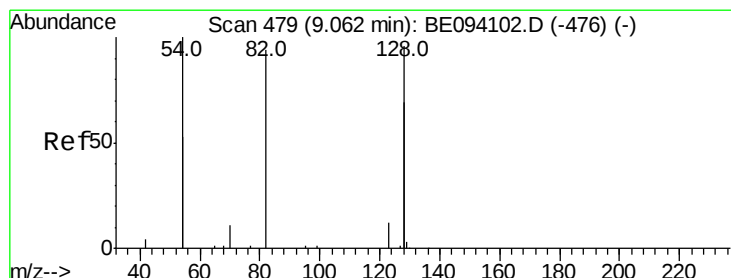
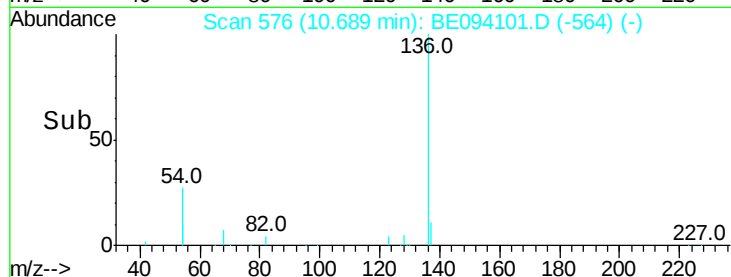
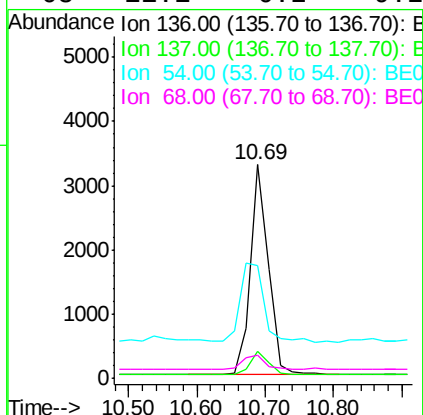
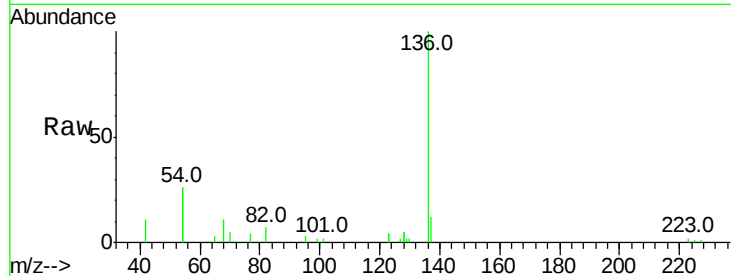
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 12.4  | 9.5  | 14.3  |       |
| 54      | 52.8  | 29.1 | 43.7  |       |
| 68      | 11.1  | 6.2  | 9.2   |       |

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#8

Nitrobenzene-d5

Concen: 0.220 ng

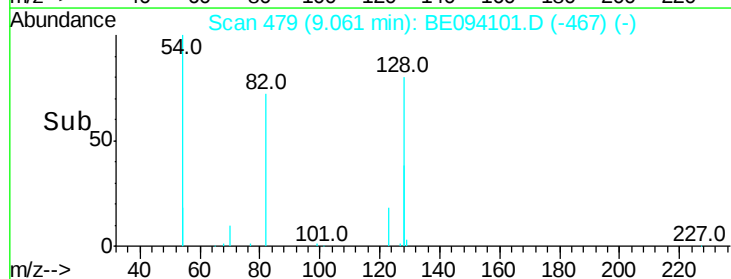
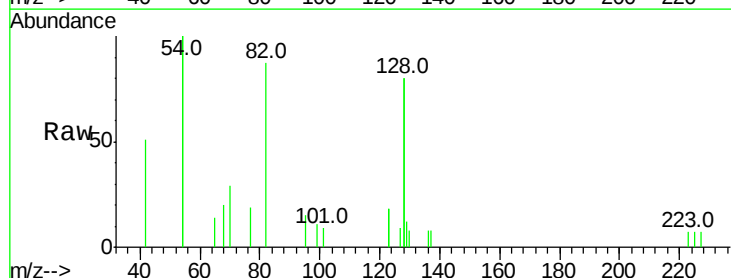
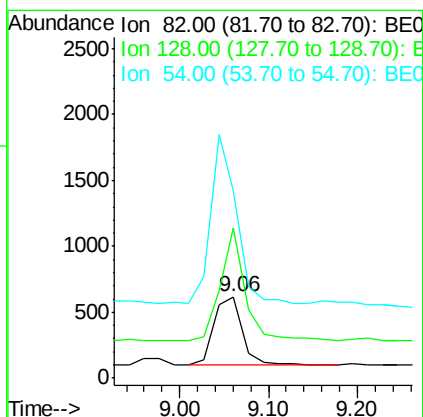
RT: 9.06 min Scan# 479

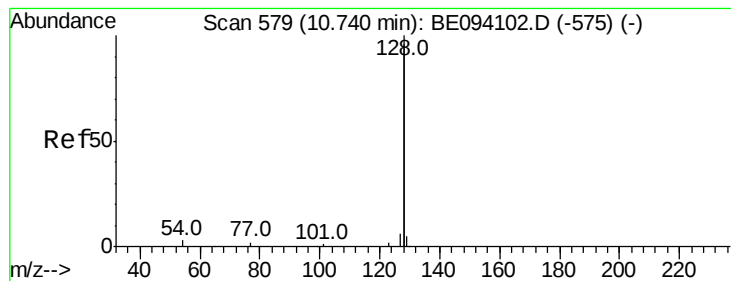
Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   |       |       |       |
| 128     | 184.8 | 150.0 | 225.0 |       |
| 54      | 230.1 | 154.2 | 231.4 |       |





#9

Naphthalene

Concen: 0.178 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

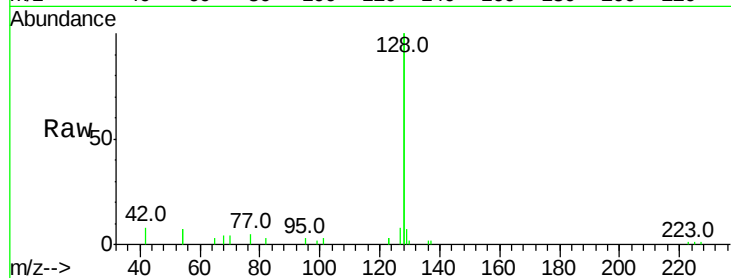
ClientSampled :

SSTDIC0.2

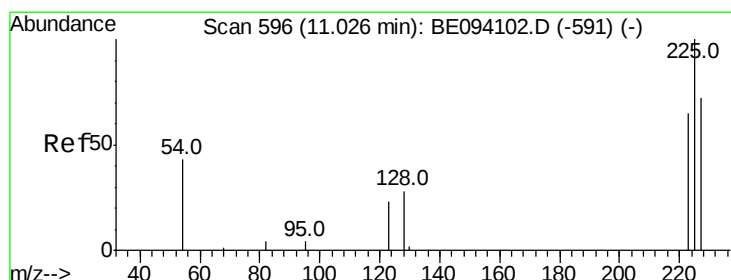
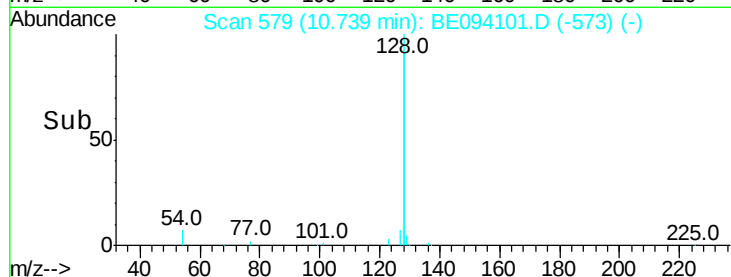
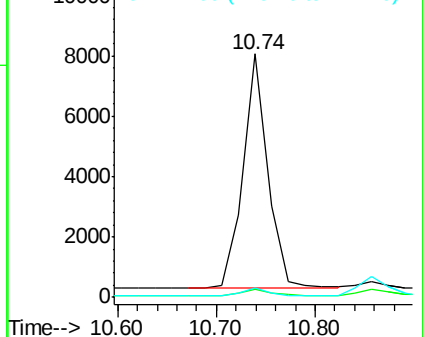
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 13362 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.4   | 2.6   | 3.8   |
| 127       | 4.0   | 2.8   | 4.2   |

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.213 ng

RT: 11.02 min Scan# 596

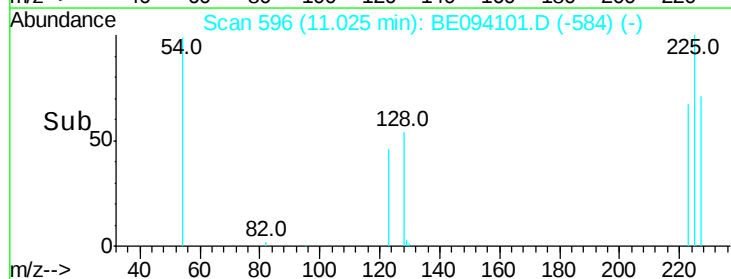
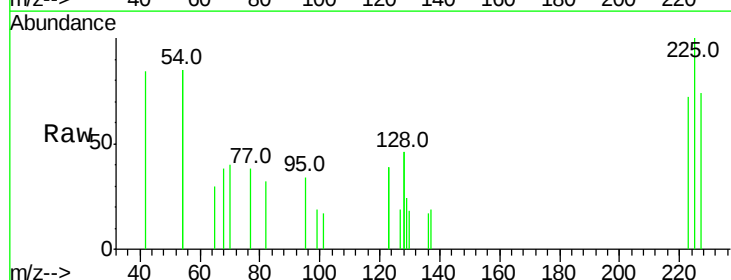
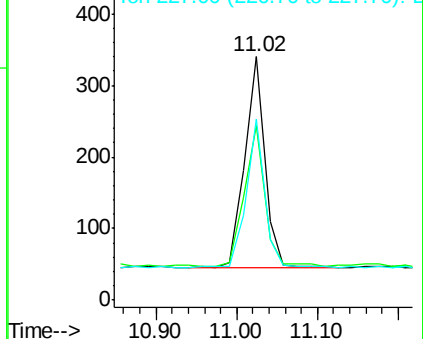
Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 510  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 66.7  | 53.0  | 79.6 |
| 227       | 65.5  | 51.4  | 77.2 |

Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





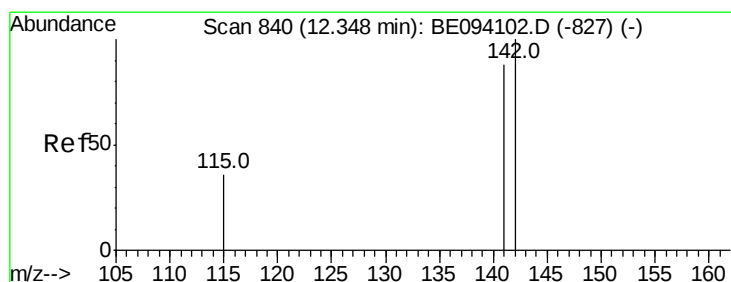
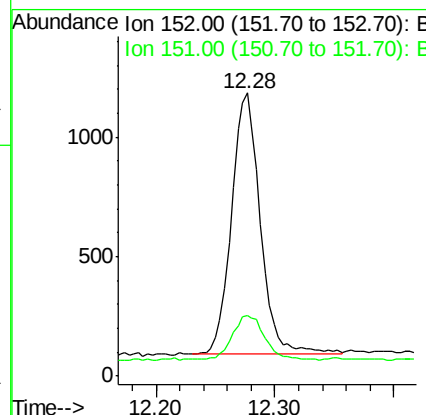
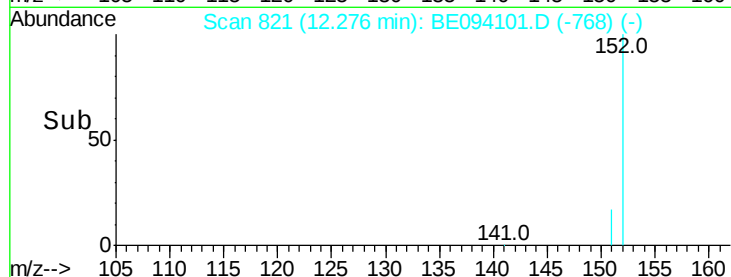
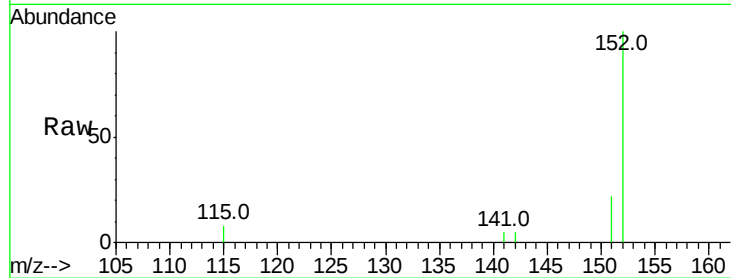
#11  
2-Methylnaphthalene-d10  
Concen: 0.184 ng  
RT: 12.28 min Scan# 821  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

Tot Ion:152 Resp: 1845  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.4 23.0

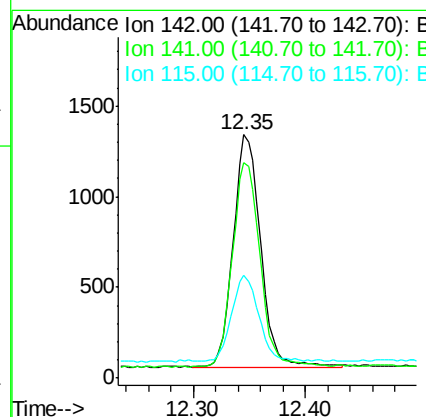
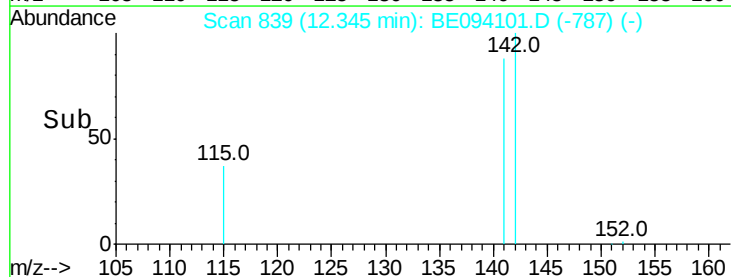
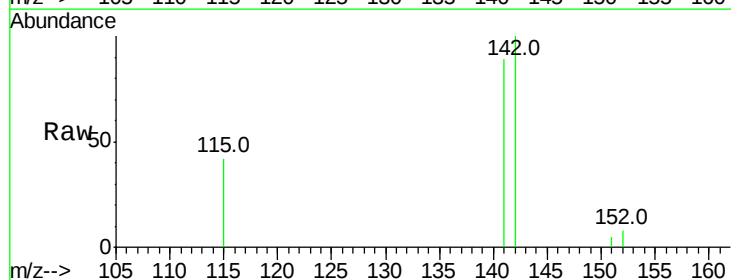
Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#12  
2-Methylnaphthalene  
Concen: 0.182 ng  
RT: 12.35 min Scan# 839  
Delta R.T. -0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Tgt Ion:142 Resp: 2169  
Ion Ratio Lower Upper  
142 100  
141 88.7 70.4 105.6  
115 42.2 31.7 47.5





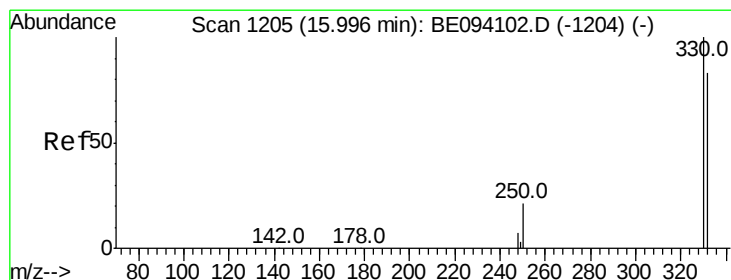
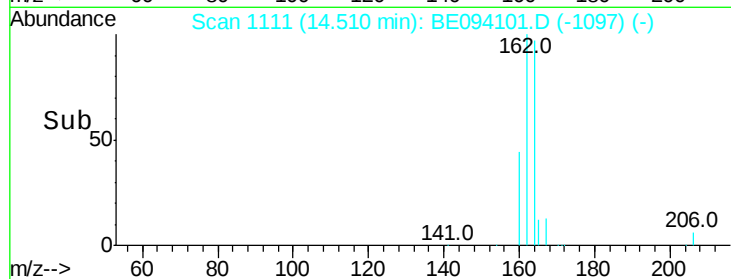
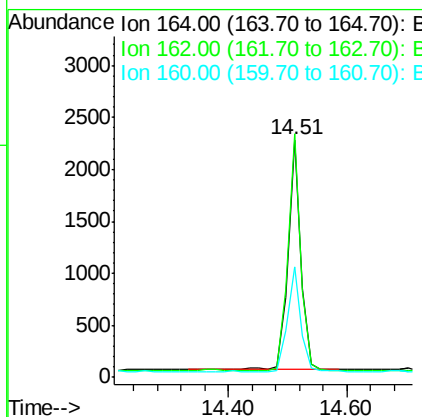
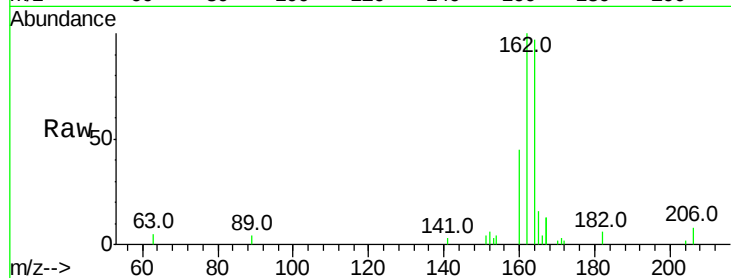
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.51 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 83.1  | 124.7 |
| 160     | 46.7  | 37.1  | 55.7  |

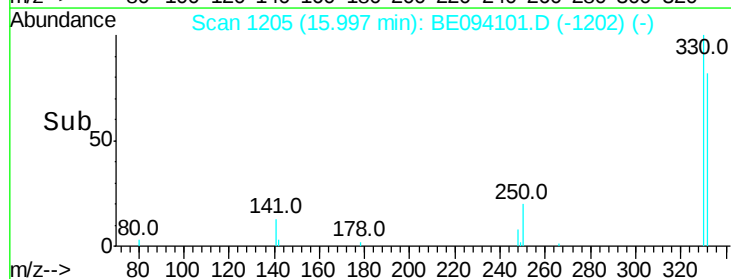
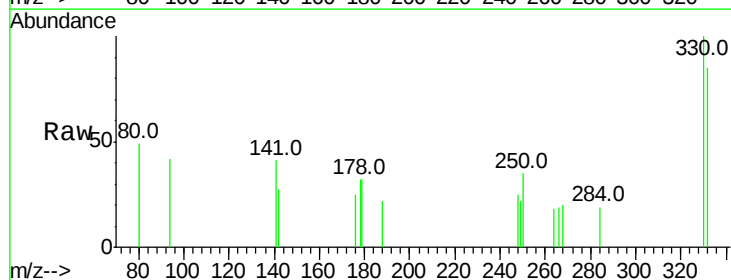
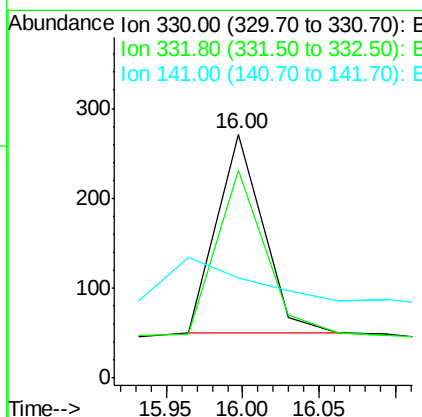
Manual Integrations  
 APPROVED

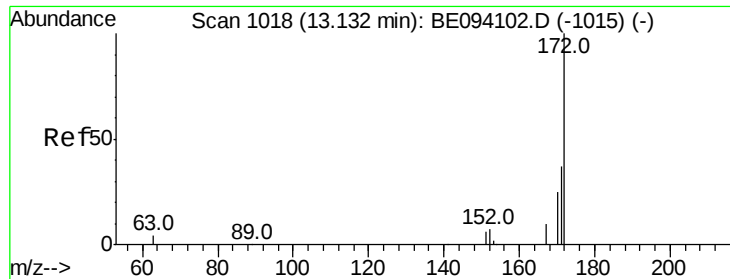
Sohil  
 9/26/2017 5:03:34 PM



#14  
 2,4,6-Tribromophenol  
 Concen: 0.181 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 86.3  | 152.7 | 229.1# |
| 141     | 0.0   | 33.7  | 50.5#  |





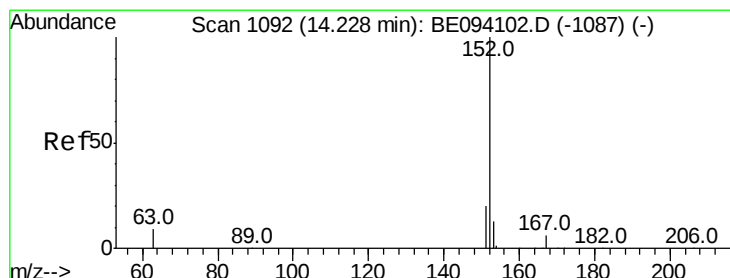
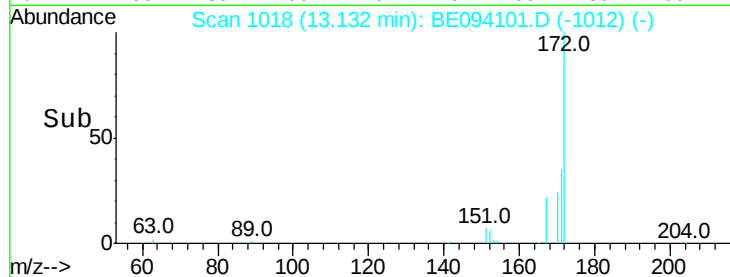
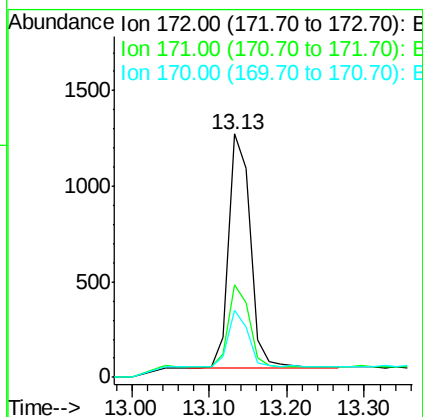
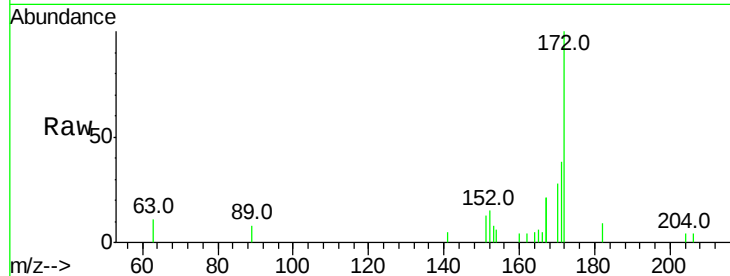
#15  
2-Fluorobiphenyl  
Concen: 0.212 ng  
RT: 13.13 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 29.9  | 44.9  |
| 170     | 27.7  | 21.8  | 32.8  |

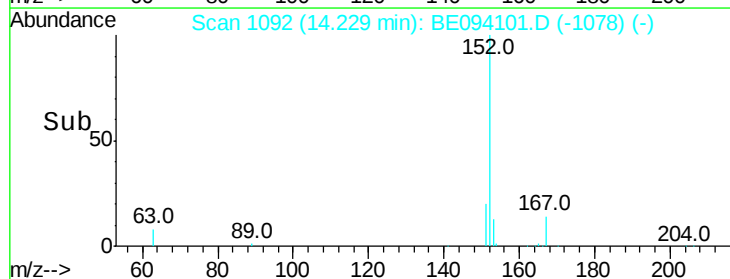
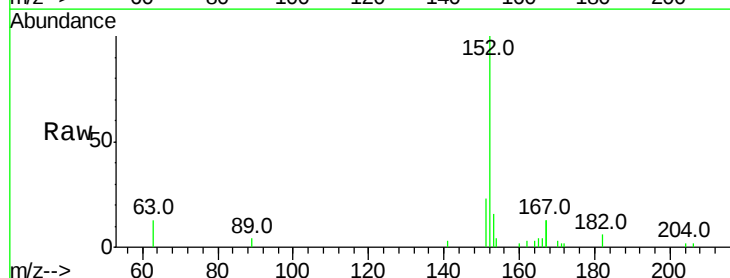
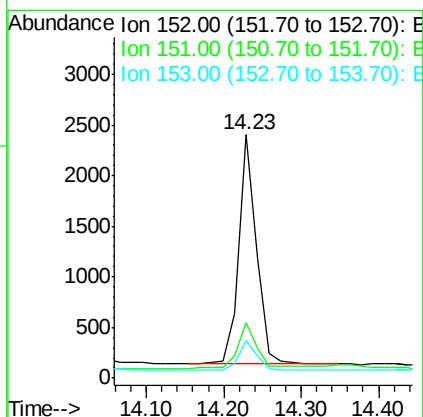
Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#16  
Acenaphthylene  
Concen: 0.207 ng  
RT: 14.23 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.5  | 15.7  | 23.5  |
| 153     | 14.3  | 10.5  | 15.7  |





#17

Acenaphthene

Concen: 0.196 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

Tot Ion:154 Resp: 2236

Ion Ratio Lower Upper

154 100

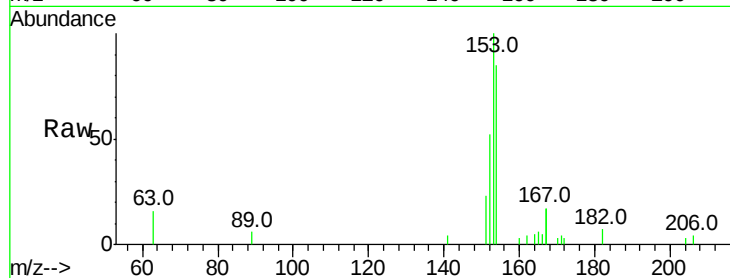
153 113.3 89.2 133.8

152 57.0 42.0 63.0

Manual Integrations  
APPROVED

Sohil

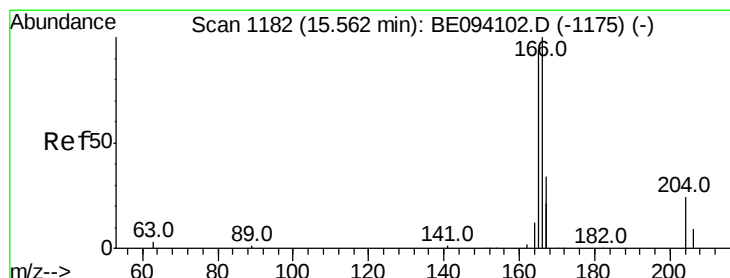
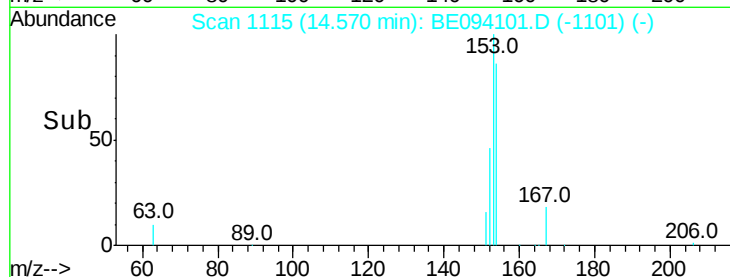
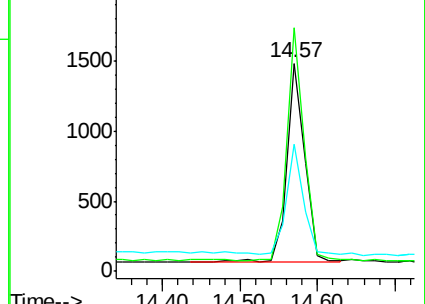
9/26/2017 5:03:34 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.180 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

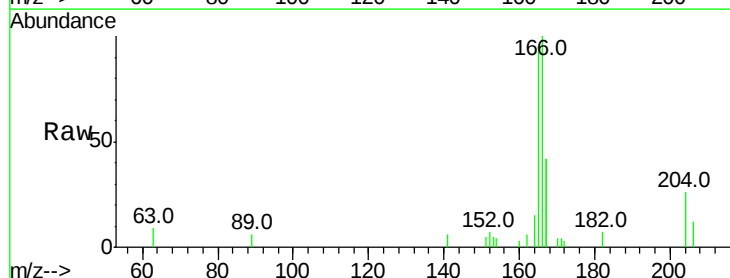
Tgt Ion:166 Resp: 3045

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.6

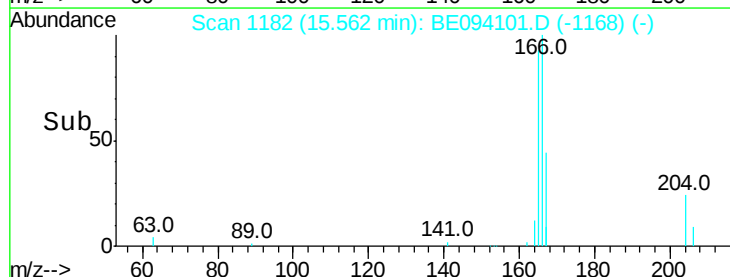
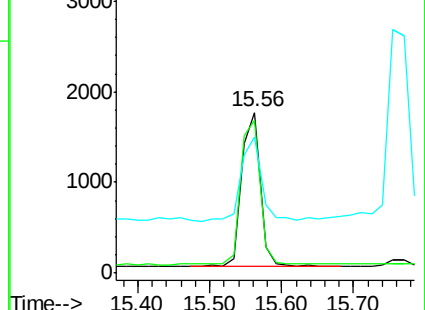
167 60.7 42.4 63.6

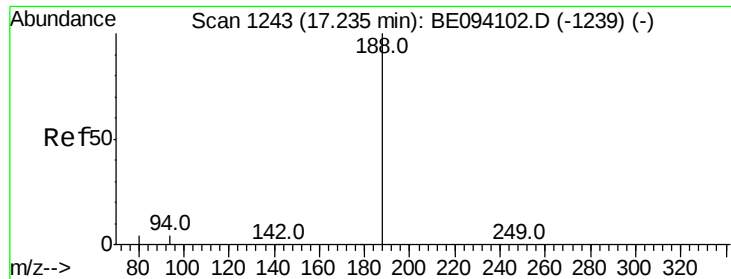


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





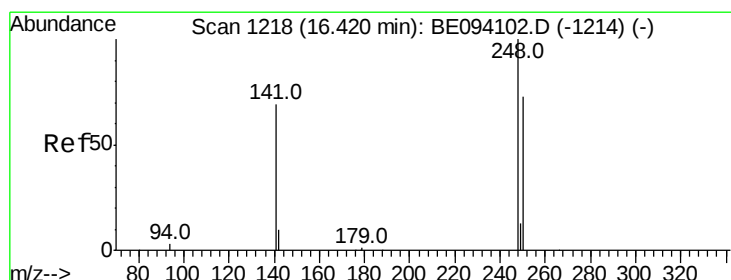
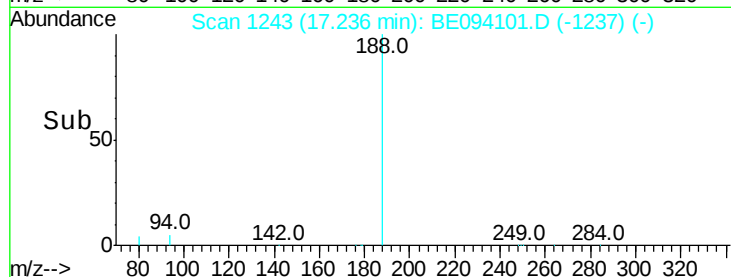
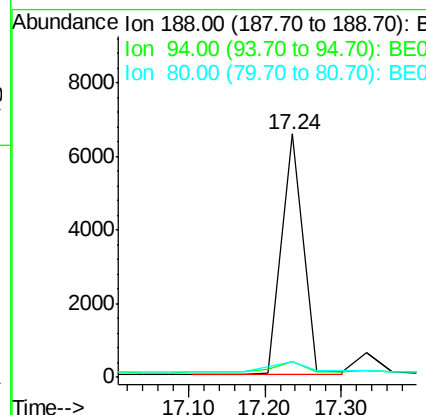
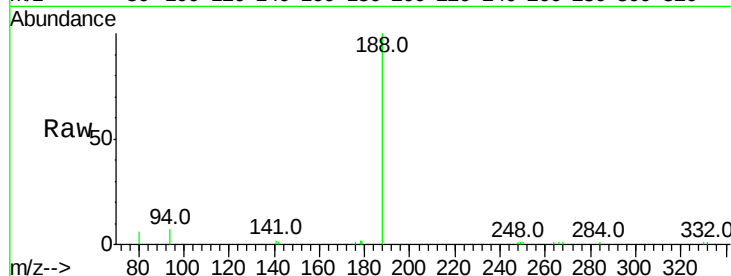
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.24 min Scan# 1243  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 6.7   | 3.9  | 5.9#  |       |
| 80      | 6.4   | 3.6  | 5.4#  |       |

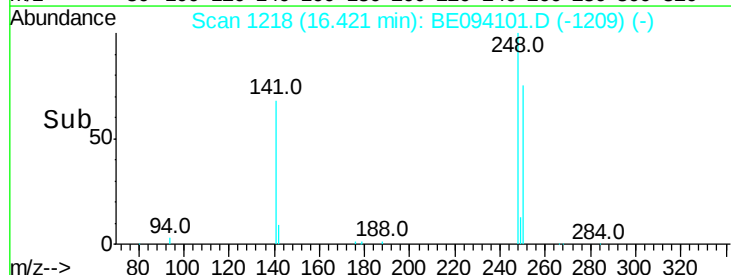
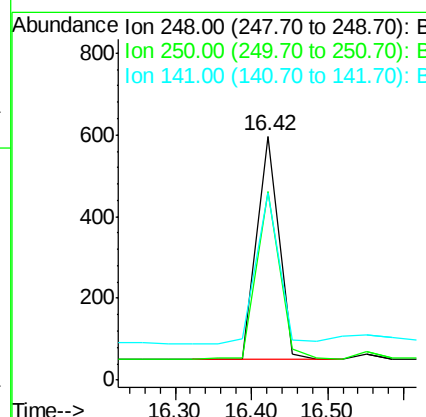
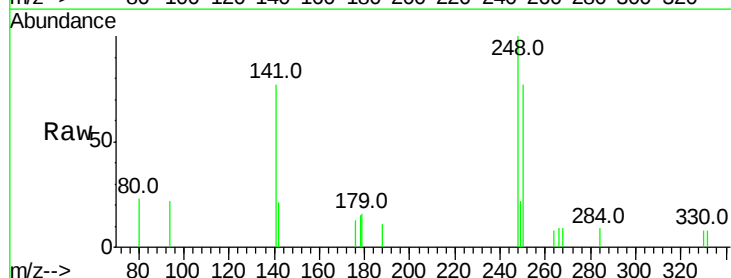
Manual Integrations  
APPROVED

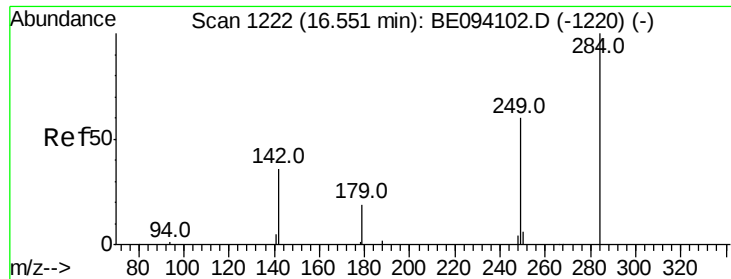
Sohil  
9/26/2017 5:03:34 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.154 ng  
RT: 16.42 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 77.2  | 62.7 | 94.1  |       |
| 141     | 76.8  | 48.2 | 72.2# |       |





#21

Hexachlorobenzene

Concen: 0.129 ng/mL

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

ClientSampleId :

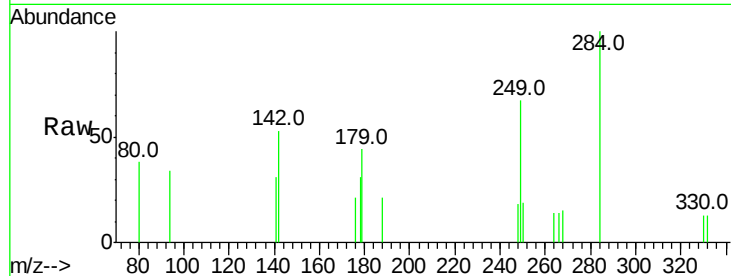
SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 675   |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 42.5  | 22.1  | 33.1# |
| 249       | 55.1  | 34.8  | 52.2# |

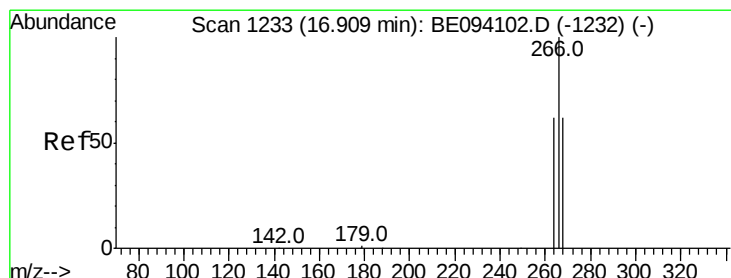
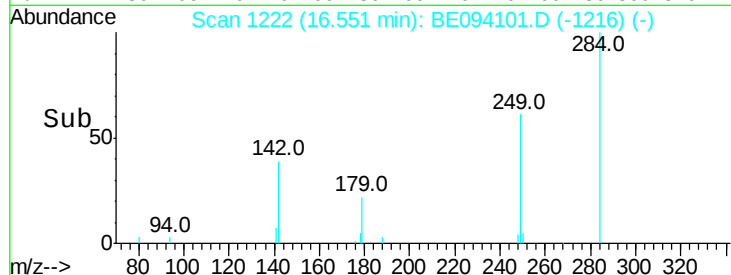
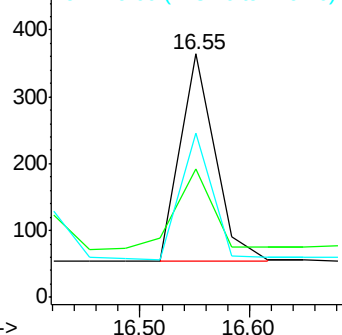
Manual Integrations  
APPROVED

Sohil

9/26/2017 5:03:34 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



#22

Pentachlorophenol

Concen: 1.888 ng/mL

RT: 16.91 min Scan# 1233

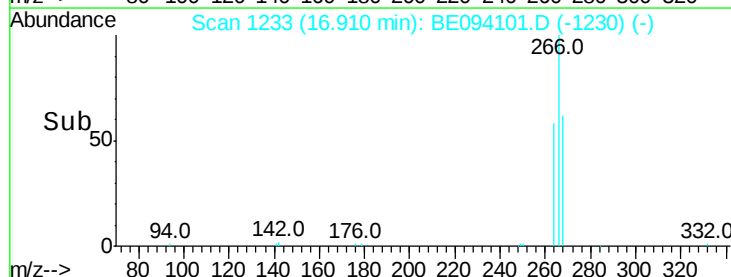
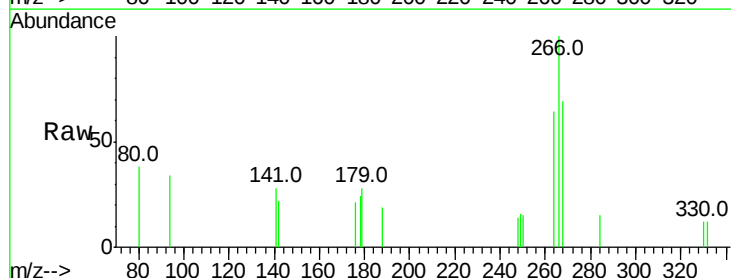
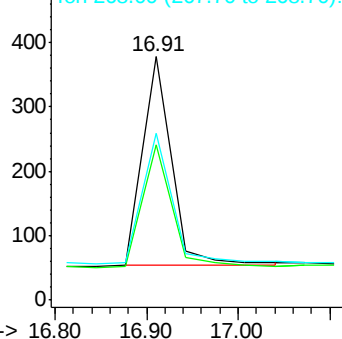
Delta R.T. 0.00 min

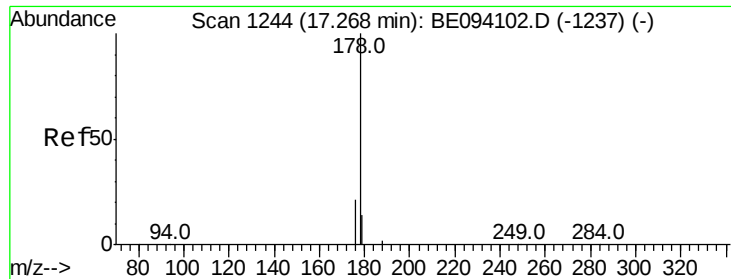
Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 702    |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 264       | 64.0  | 72.5  | 108.7# |
| 268       | 68.5  | 73.8  | 110.6# |

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





#23

Phenanthrene

Concen: 0.142 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

ClientSampled :

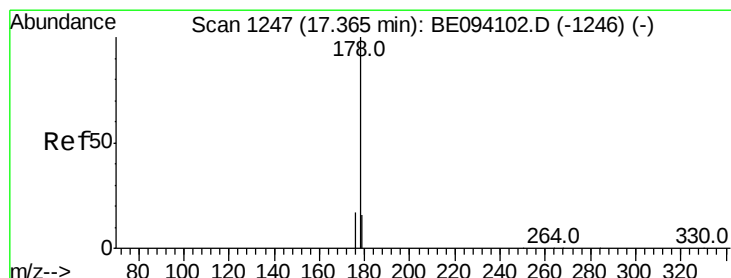
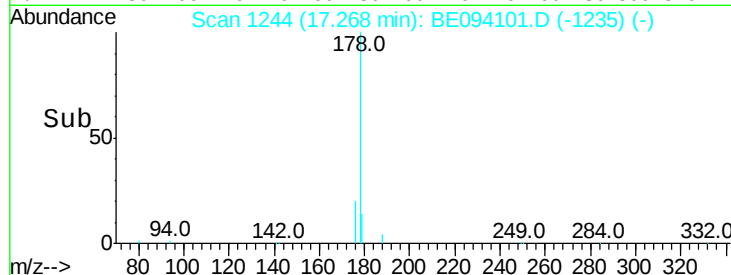
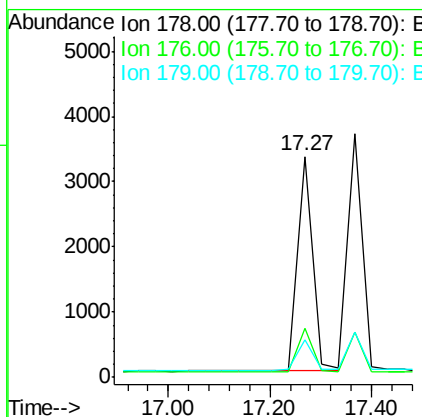
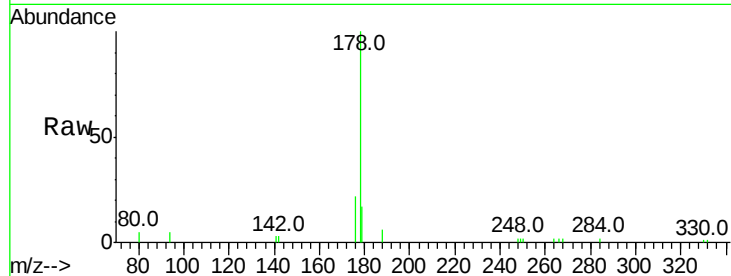
SSTDIC0.2

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 6789      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.9  | 15.1 22.7 |
| 179         | 15.0  | 11.8 17.6 |

Manual Integrations  
APPROVED

Sohil

9/26/2017 5:03:34 PM



#24

Anthracene

Concen: 0.198 ng

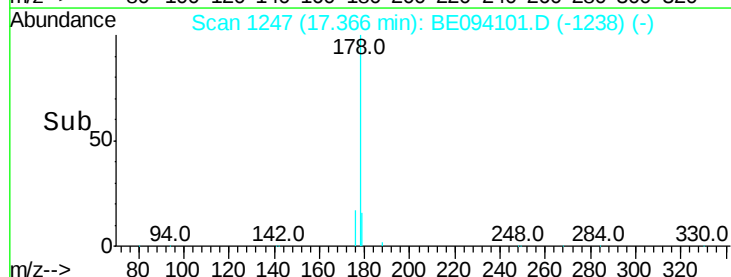
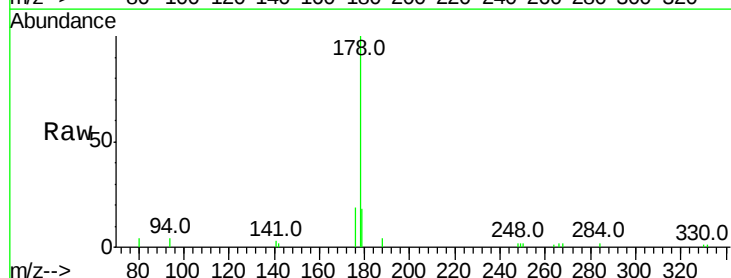
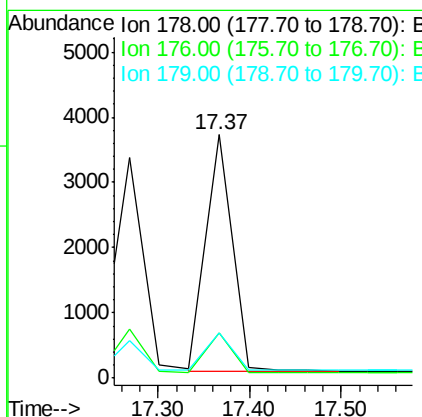
RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 7258      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 17.1  | 12.8 19.2 |
| 179         | 15.8  | 13.0 19.6 |





#25

Fluoranthene-d10

Concen: 0.149 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

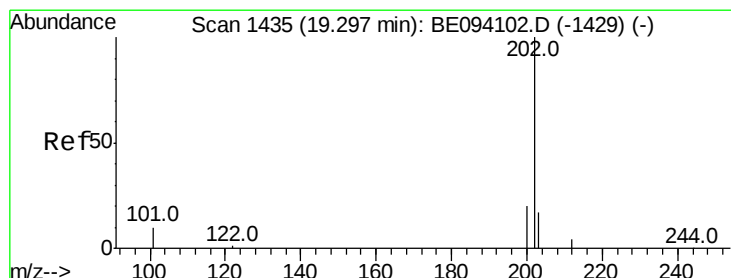
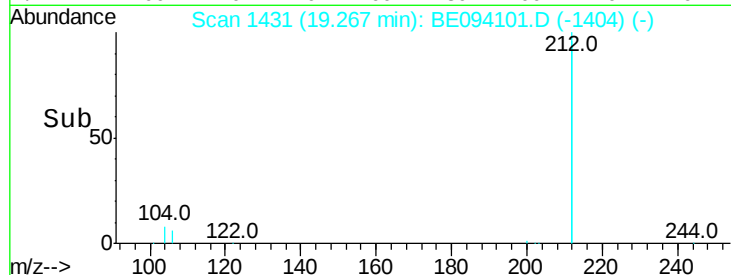
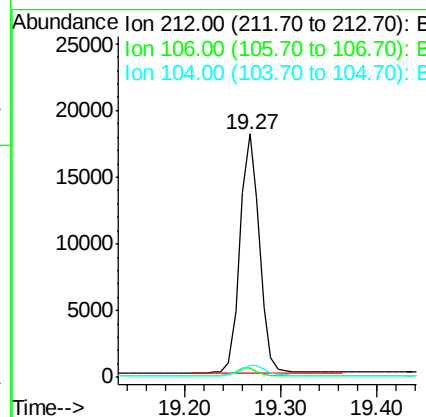
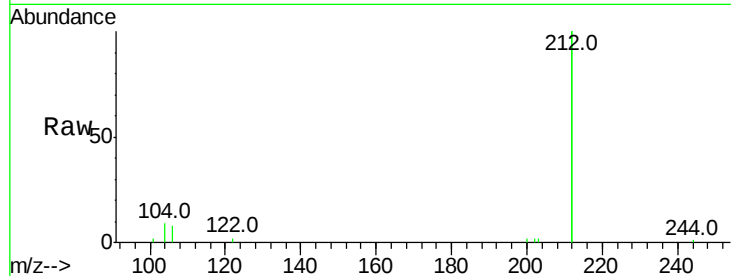
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 25363 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.7   | 2.8   | 4.2   |
| 104       | 5.5   | 1.6   | 2.4   |

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#26

Fluoranthene

Concen: 0.150 ng

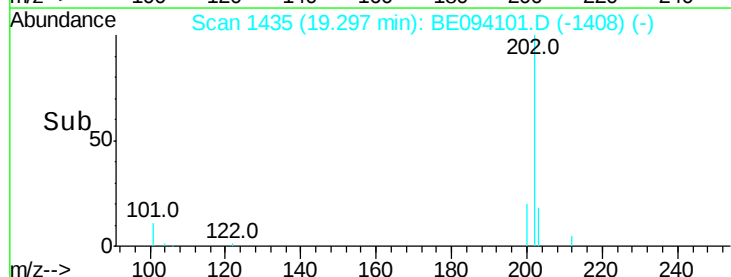
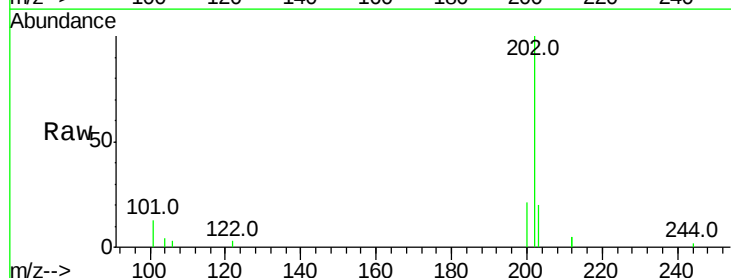
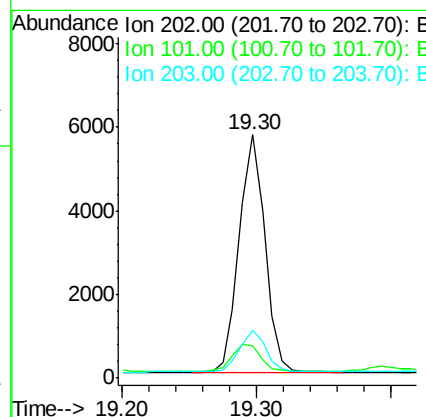
RT: 19.30 min Scan# 1435

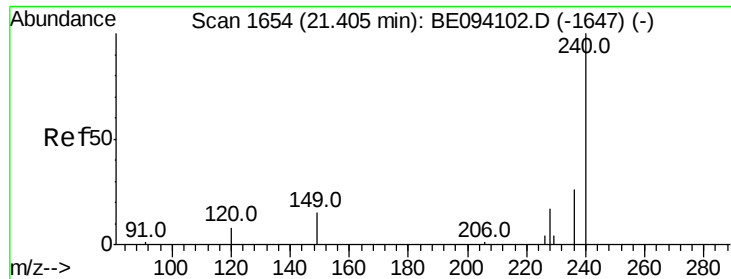
Delta R.T. -0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 7661 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 13.0  | 9.8   | 14.8 |
| 203       | 17.7  | 13.7  | 20.5 |





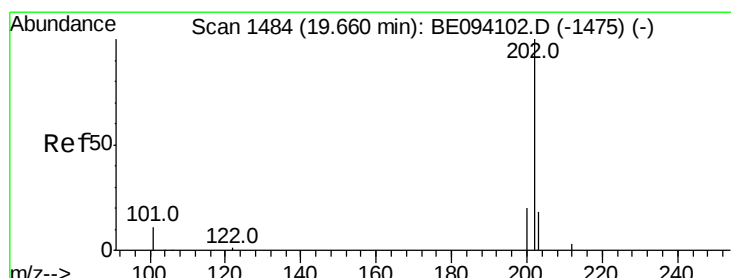
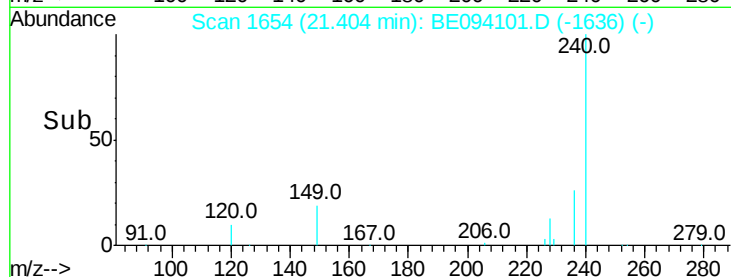
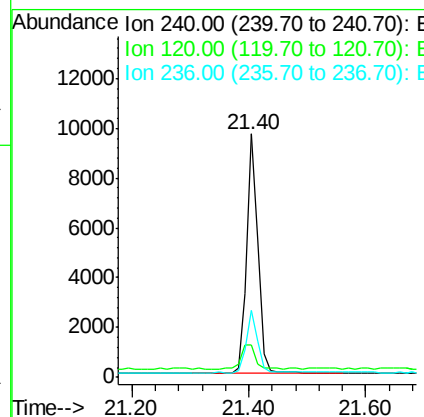
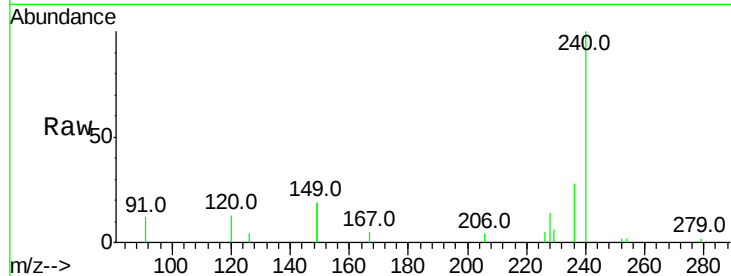
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.1  | 5.5   | 8.3#  |
| 236     | 27.6  | 20.7  | 31.1  |

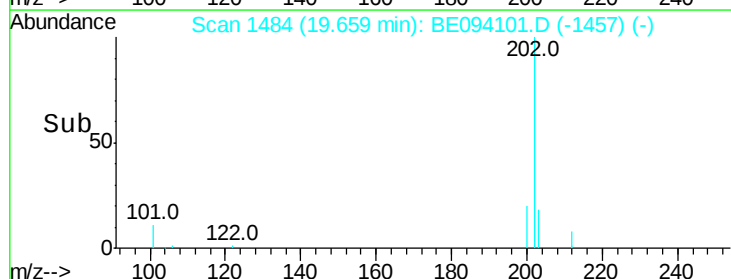
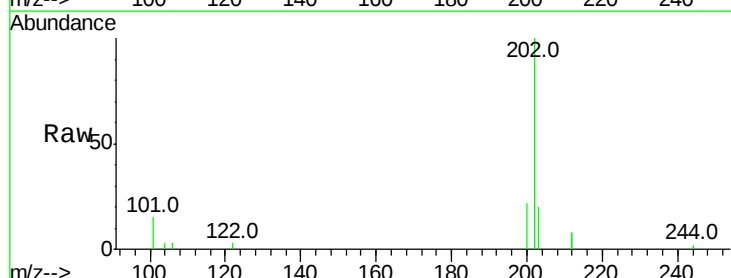
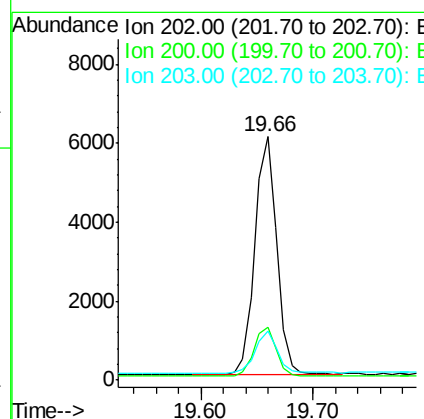
Manual Integrations  
 APPROVED

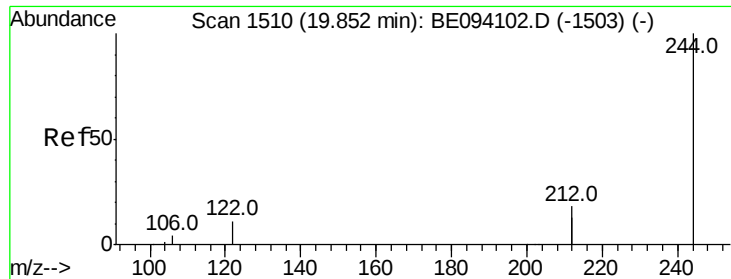
Sohil  
 9/26/2017 5:03:34 PM



#28  
 Pyrene  
 Concen: 0.231 ng  
 RT: 19.66 min Scan# 1484  
 Delta R.T. -0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.5  | 16.6  | 25.0  |
| 203     | 18.6  | 13.8  | 20.8  |





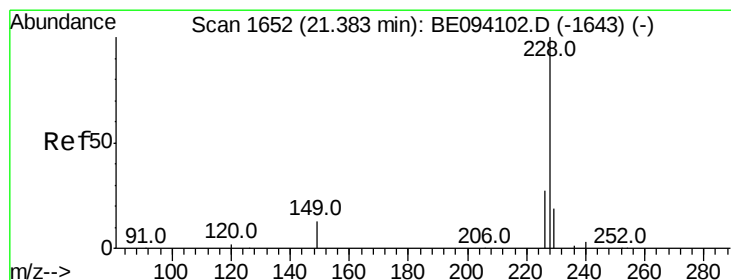
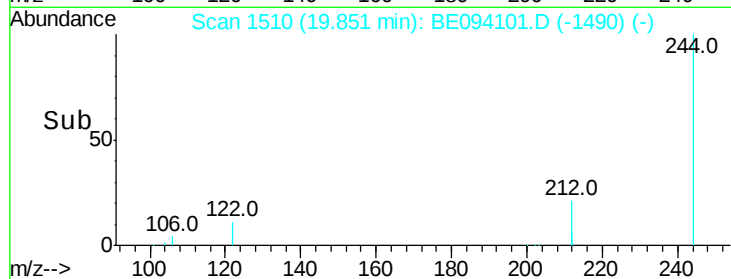
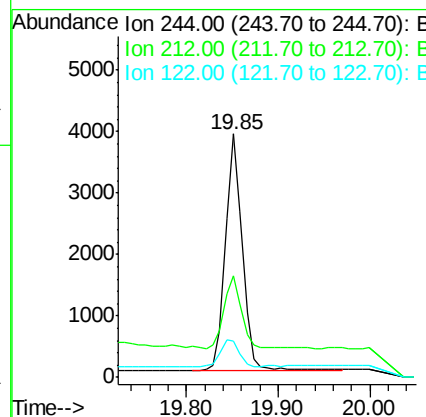
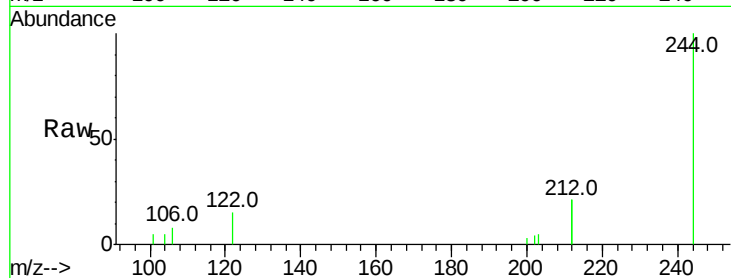
#29  
 Terphenyl-d14  
 Concen: 0.239 ng  
 RT: 19.85 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 41.5  | 25.4  | 38.0# |
| 122     | 15.0  | 8.1   | 12.1# |

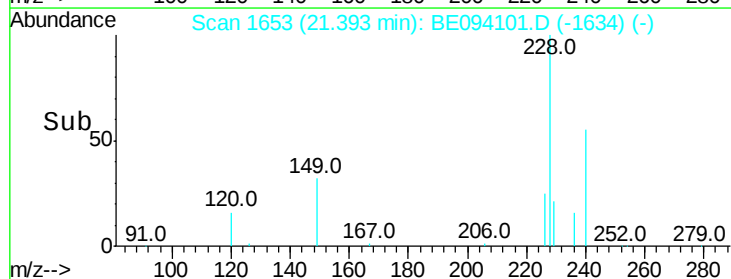
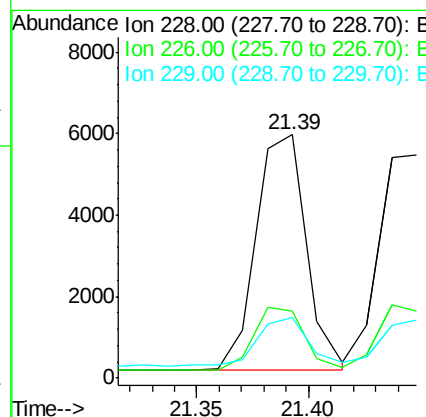
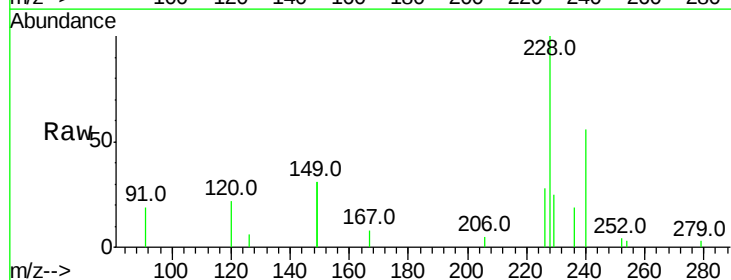
Manual Integrations  
 APPROVED

Sohil  
 9/26/2017 5:03:34 PM



#30  
 Benzo(a)anthracene  
 Concen: 0.206 ng  
 RT: 21.39 min Scan# 1653  
 Delta R.T. 0.01 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 21.4  | 32.0  |
| 229     | 25.1  | 16.4  | 24.6# |





#31

Chrysene

Concen: 0.203 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.01 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

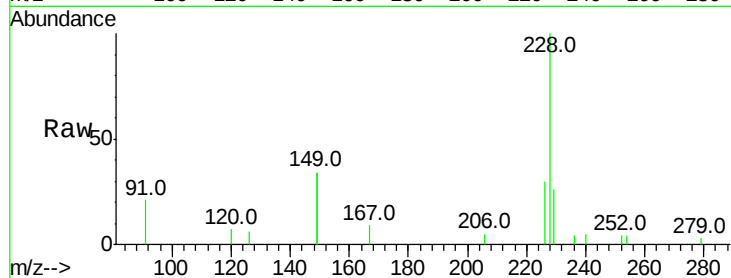
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 8731 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.1  | 23.6  | 35.4 |
| 229       | 25.8  | 16.4  | 24.6 |

Manual Integrations  
APPROVED

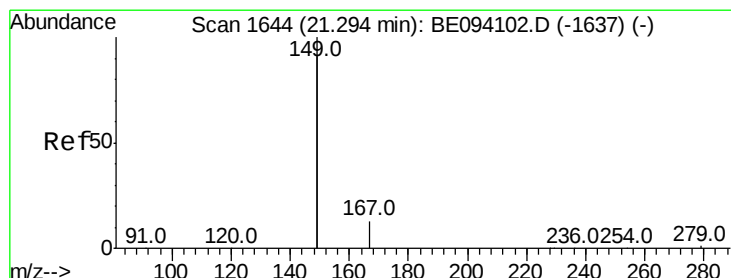
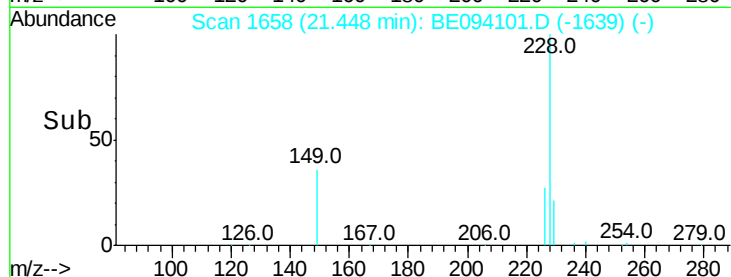
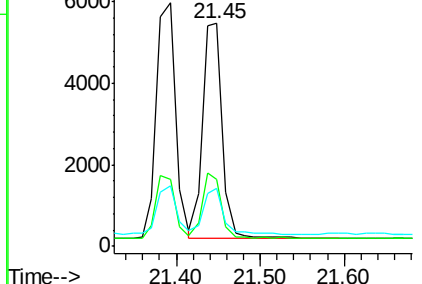
Sohil  
9/26/2017 5:03:34 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.377 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094101.D

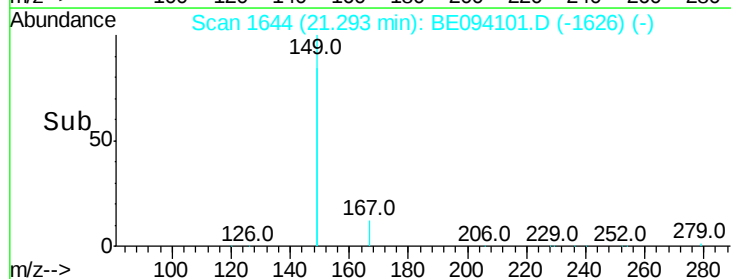
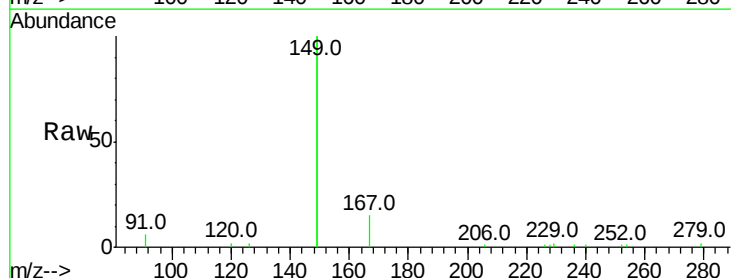
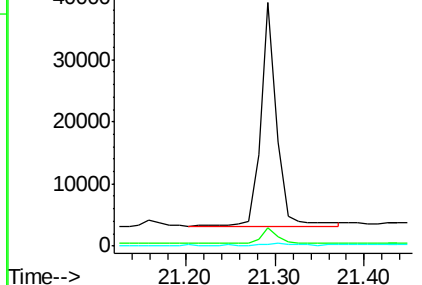
Acq: 25 Sep 2017 14:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 44468 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.1   | 5.4   | 8.0   |
| 279       | 0.9   | 0.7   | 1.1   |

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





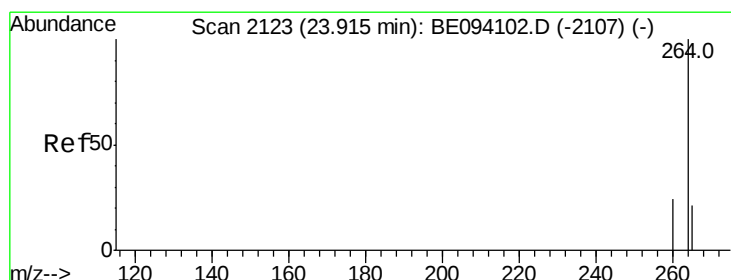
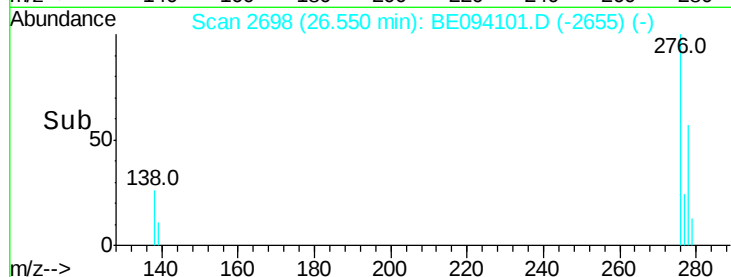
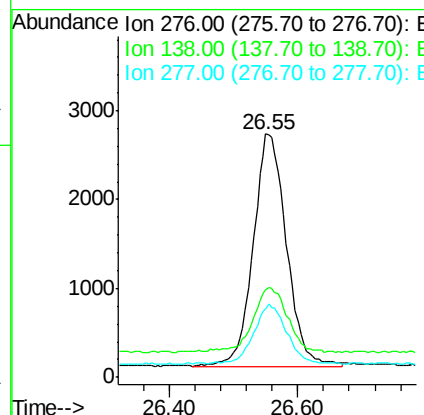
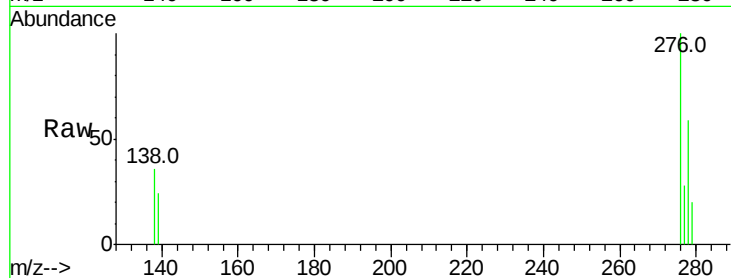
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.281 ng  
 RT: 26.55 min Scan# 2698  
 Delta R.T. -0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.3  | 22.5  | 33.7  |
| 277     | 25.2  | 19.9  | 29.9  |

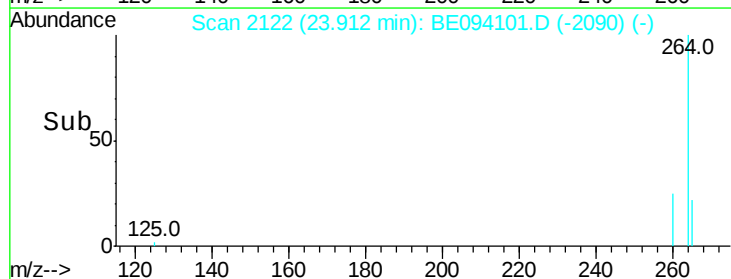
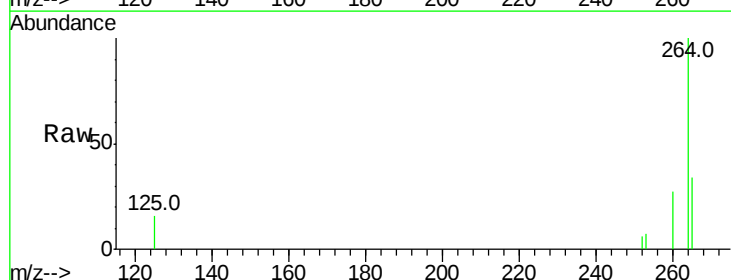
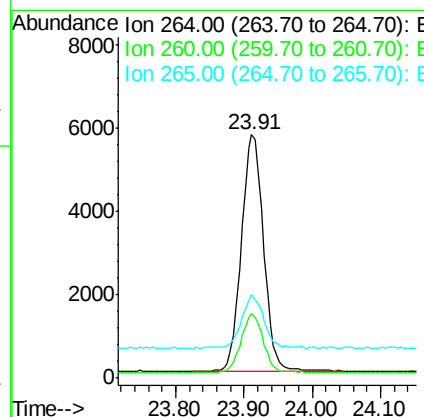
Manual Integrations  
 APPROVED

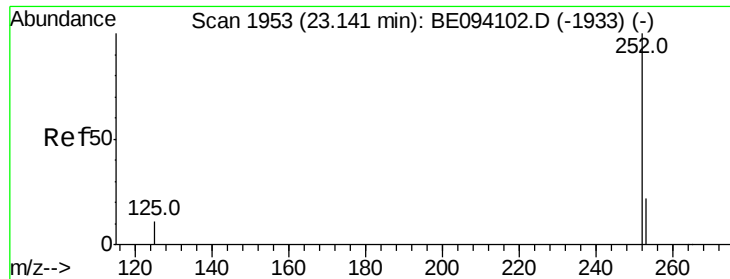
Sohil  
 9/26/2017 5:03:34 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.91 min Scan# 2122  
 Delta R.T. -0.00 min  
 Lab File: BE094101.D  
 Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.5  | 20.5  | 30.7  |
| 265     | 34.3  | 22.8  | 34.2# |





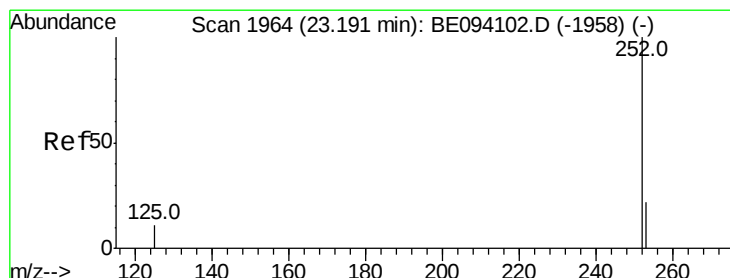
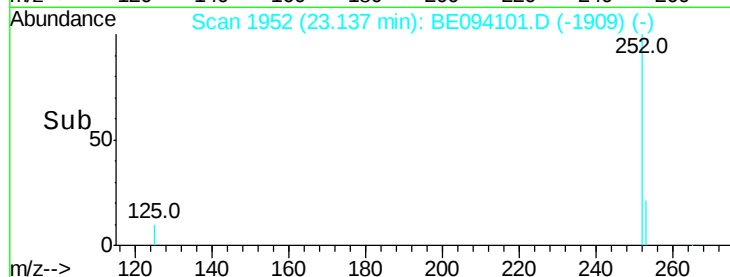
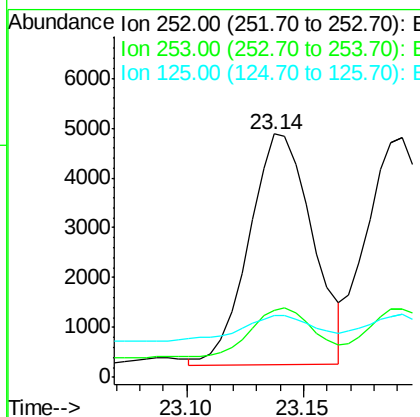
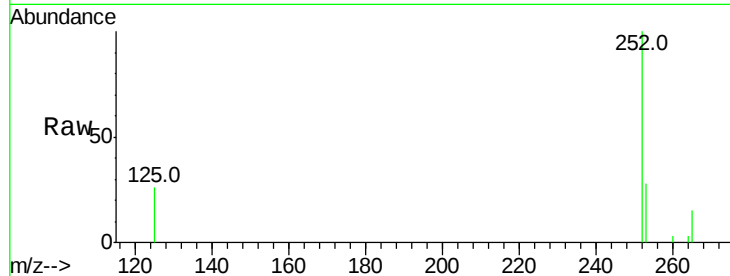
#35  
Benzo(b)fluoranthene  
Concen: 0.189 ng  
RT: 23.14 min Scan# 1952  
Delta R.T. -0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

Tot Ion:252 Resp: 8767  
Ion Ratio Lower Upper  
252 100  
253 27.7 18.2 27.2#  
125 25.7 10.1 15.1#

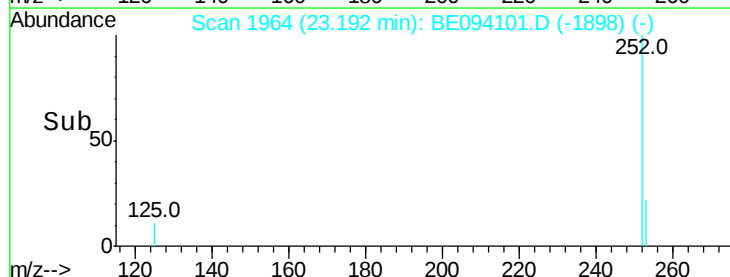
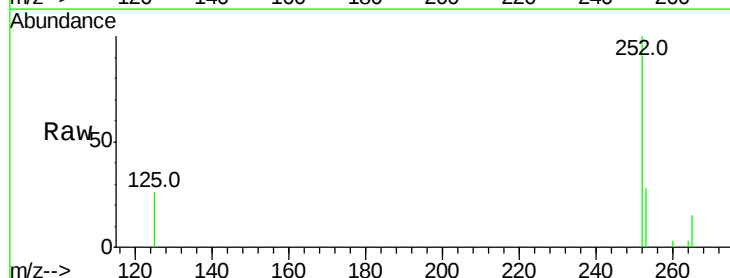
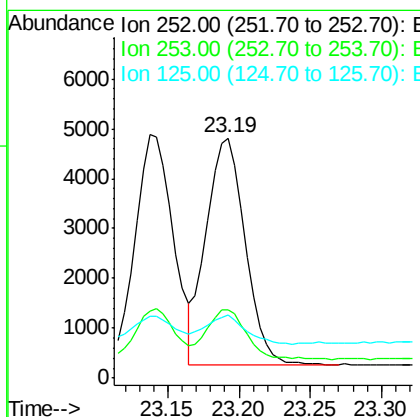
Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM



#36  
Benzo(k)fluoranthene  
Concen: 0.186 ng  
RT: 23.19 min Scan# 1964  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Tgt Ion:252 Resp: 8650  
Ion Ratio Lower Upper  
252 100  
253 28.3 18.6 27.8#  
125 26.4 10.7 16.1#





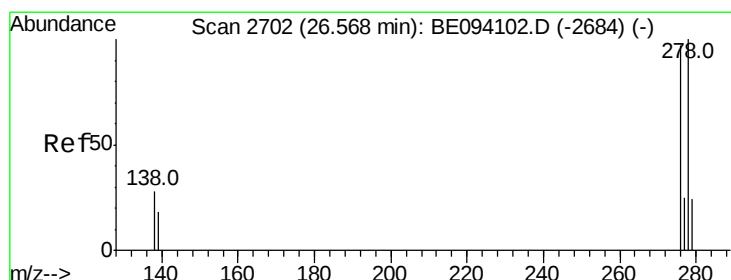
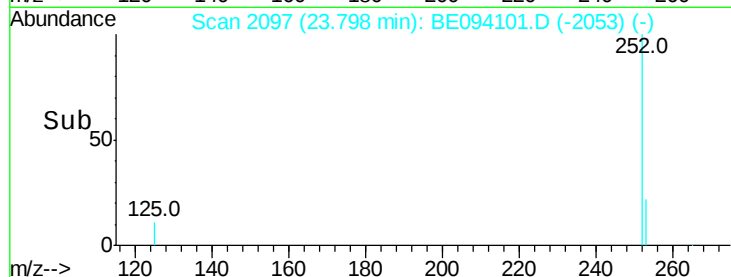
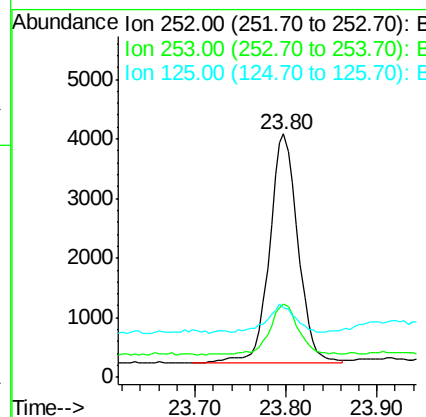
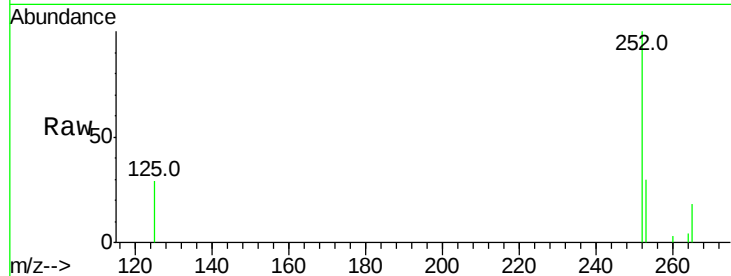
#37  
Benzo(a)pyrene  
Concen: 0.200 ng  
RT: 23.80 min Scan# 2097  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.1  | 19.0  | 28.6# |
| 125     | 28.6  | 11.8  | 17.8# |

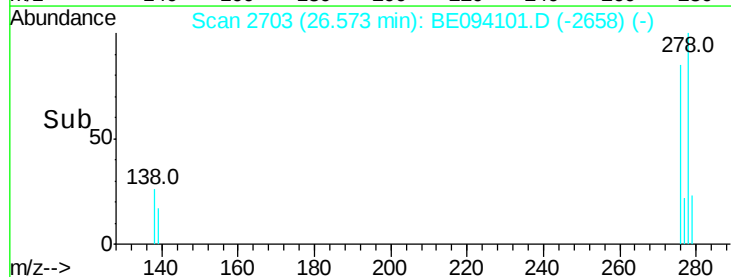
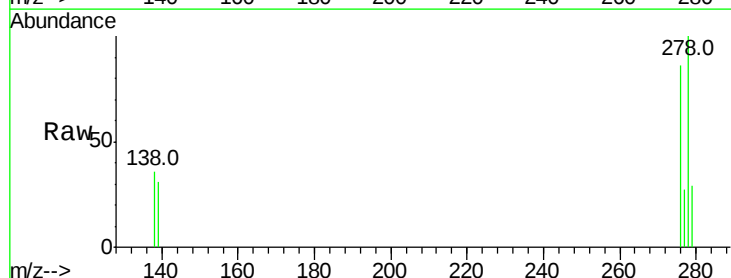
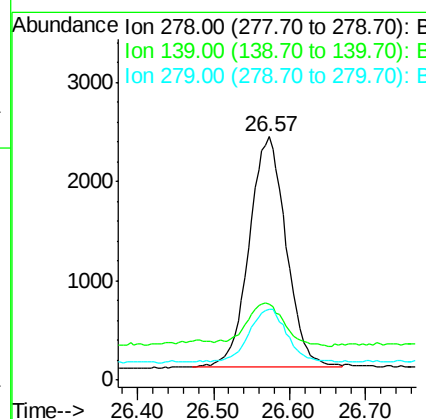
Manual Integrations  
APPROVED

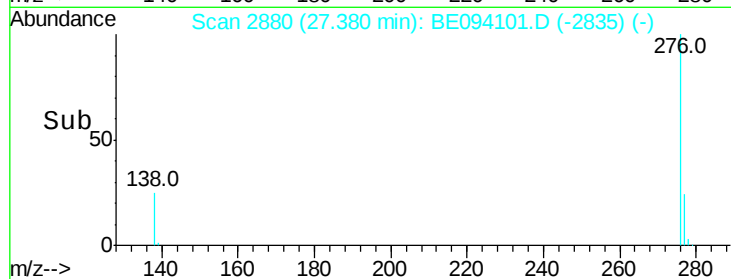
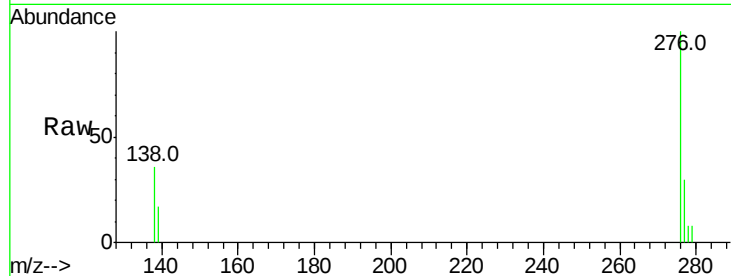
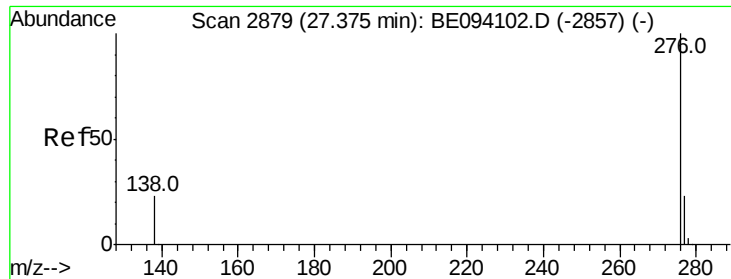
Sohil  
9/26/2017 5:03:34 PM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.236 ng  
RT: 26.57 min Scan# 2703  
Delta R.T. 0.00 min  
Lab File: BE094101.D  
Acq: 25 Sep 2017 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 31.0  | 16.3  | 24.5# |
| 279     | 29.1  | 19.9  | 29.9  |





#39

Benzo(a,h,i)perylene

Concen: 0.238 ng

RT: 27.38 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BE094101.D

Acq: 25 Sep 2017 14:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 29.7  | 20.8  | 31.2  |
| 138     | 36.2  | 21.5  | 32.3  |

Manual Integrations  
APPROVED

Sohil  
9/26/2017 5:03:34 PM

