

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051916\  
 Data File : BE091807.D  
 Acq On : 19 May 2016 13:12  
 Operator : UM/SJ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

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 5/20/2016 7:23:59 PM

Quant Time: May 19 13:52:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 19 13:11:12 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 22280    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.57 | 136  | 115460   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.41 | 164  | 78605    | 5.00 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.14 | 188  | 211531   | 5.00 | ng    | -0.01    |
| 26) Chrysene-d12          | 21.29 | 240  | 280160   | 5.00 | ng    | -0.02    |
| 35) Perylene-d12          | 23.73 | 264  | 243257   | 5.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |      |      |    |       |
|--------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol        | 5.39  | 112 | 1264 | 0.23 | ng | 0.00  |
| 5) Phenol-d6             | 6.95  | 99  | 1660 | 0.23 | ng | 0.00  |
| 8) Nitrobenzene-d5       | 8.95  | 82  | 1559 | 0.21 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol | 15.90 | 330 | 585  | 0.24 | ng | 0.00  |
| 15) 2-Fluorobiphenyl     | 13.03 | 172 | 4969 | 0.22 | ng | 0.00  |
| 29) Terphenyl-d14        | 19.74 | 244 | 8521 | 0.20 | ng | -0.02 |

## Target Compounds

|                                |       |     |        |      |    | Qvalue |
|--------------------------------|-------|-----|--------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.33  | 88  | 699    | 0.21 | ng | # 89   |
| 3) n-Nitrosodimethylamine      | 3.63  | 42  | 760    | 0.19 | ng | 95     |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93  | 1376   | 0.22 | ng | # 78   |
| 9) Nitrobenzene                | 8.99  | 77  | 1586   | 0.20 | ng | 97     |
| 10) Naphthalene                | 10.61 | 128 | 5809   | 0.25 | ng | 98     |
| 11) Hexachlorobutadiene        | 10.90 | 225 | 852m   | 0.25 | ng |        |
| 12) 2-Methylnaphthalene        | 12.22 | 142 | 3811   | 0.25 | ng | 98     |
| 16) Acenaphthylene             | 14.12 | 152 | 8060   | 0.27 | ng | # 65   |
| 17) Acenaphthene               | 14.46 | 154 | 4656   | 0.24 | ng | 86     |
| 18) Fluorene                   | 15.45 | 166 | 6016   | 0.25 | ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 1790   | 0.24 | ng | 95     |
| 21) Hexachlorobenzene          | 16.45 | 284 | 1923   | 0.25 | ng | 99     |
| 22) Pentachlorophenol          | 16.79 | 266 | 635    | 0.18 | ng | 95     |
| 23) Phenanthrene               | 17.17 | 178 | 12017m | 0.25 | ng |        |
| 24) Anthracene                 | 17.26 | 178 | 10351  | 0.24 | ng | 99     |
| 25) Fluoranthene               | 19.19 | 202 | 12771  | 0.25 | ng | # 96   |
| 27) Benzidine                  | 19.38 | 184 | 3102   | 0.19 | ng | # 84   |
| 28) Pyrene                     | 19.55 | 202 | 12987  | 0.21 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.27 | 228 | 14548m | 0.21 | ng |        |
| 31) 3,3'-Dichlorobenzidine     | 21.22 | 252 | 8326   | 0.24 | ng | # 94   |
| 32) Chrysene                   | 21.33 | 228 | 14207m | 0.20 | ng |        |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 5086   | 0.25 | ng | # 80   |
| 34) Indeno(1,2,3-cd)pyrene     | 26.27 | 276 | 14914  | 0.24 | ng | 95     |
| 36) Benzo(b)fluoranthene       | 22.98 | 252 | 13081  | 0.23 | ng | 97     |
| 37) Benzo(k)fluoranthene       | 23.02 | 252 | 13763  | 0.24 | ng | 99     |
| 38) Benzo(a)pyrene             | 23.61 | 252 | 12591  | 0.23 | ng | 97     |
| 39) Dibenzo(a,h)anthracene     | 26.29 | 278 | 12292  | 0.24 | ng | 96     |
| 40) Benzo(g,h,i)perylene       | 27.06 | 276 | 13016  | 0.25 | ng | 95     |

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

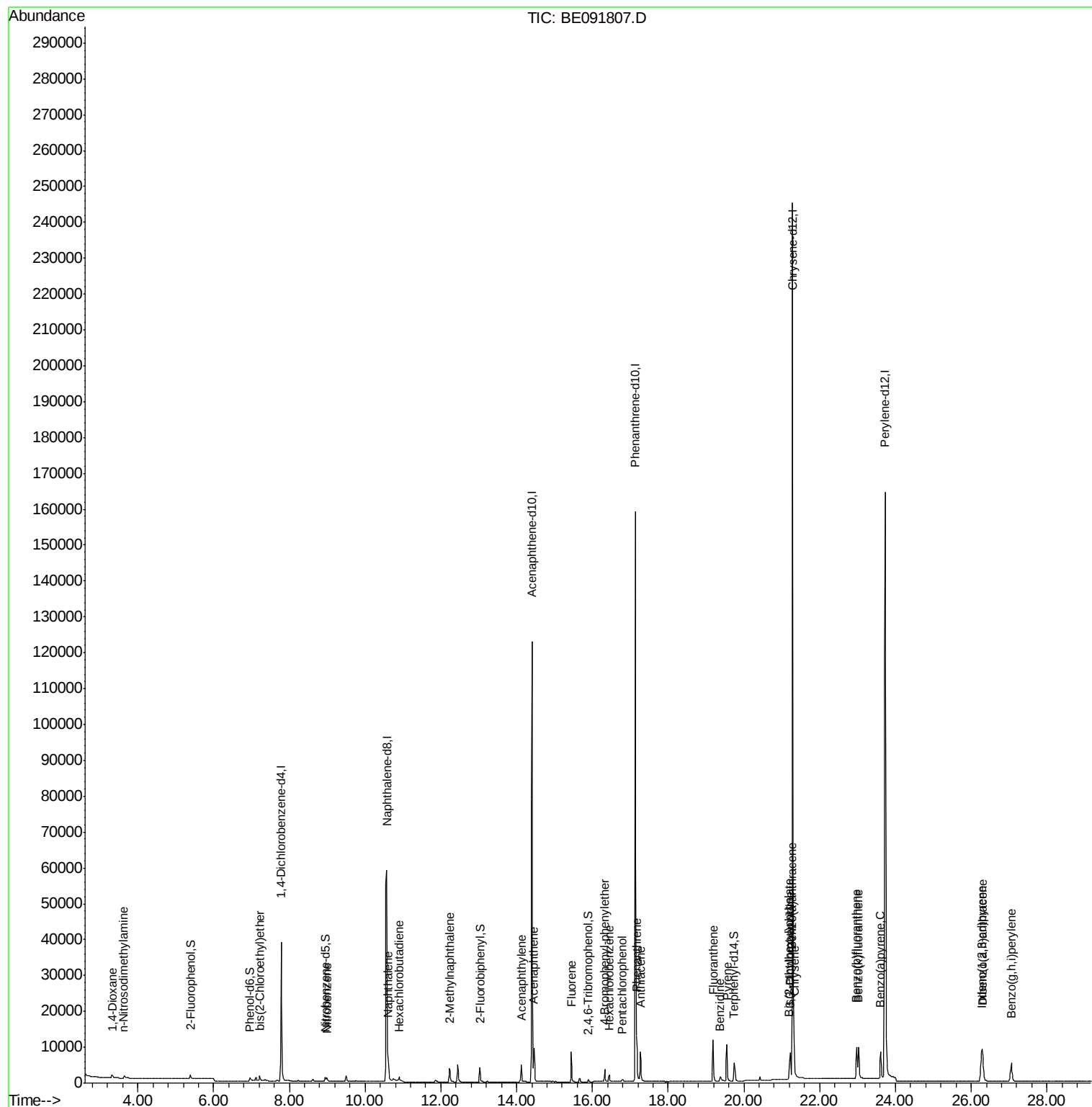
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE051916\  
Data File : BE091807.D  
Acq On : 19 May 2016 13:12  
Operator : UM/SJ  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

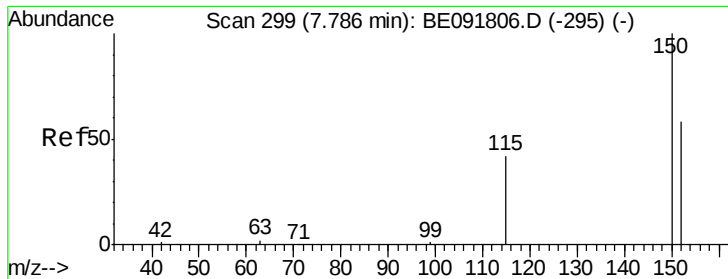
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

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Quant Time: May 19 13:52:16 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 19 13:11:12 2016  
Response via : Initial Calibration





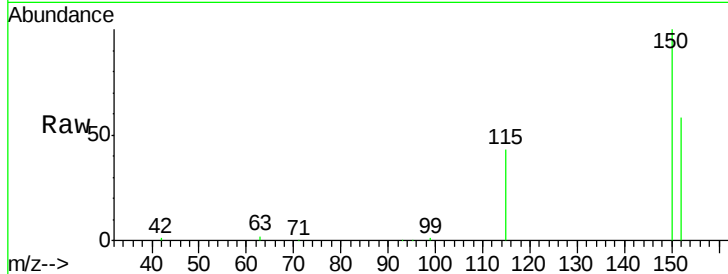
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.79 min Scan# 299  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

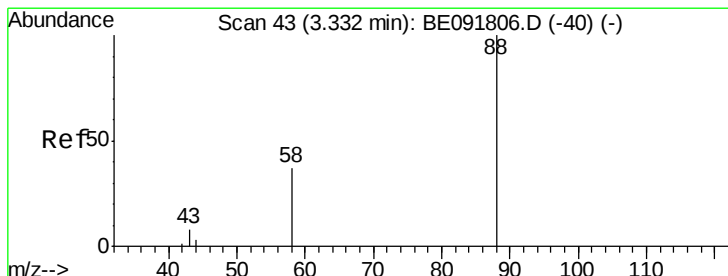
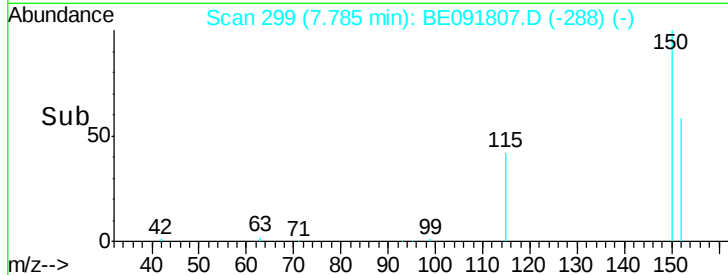
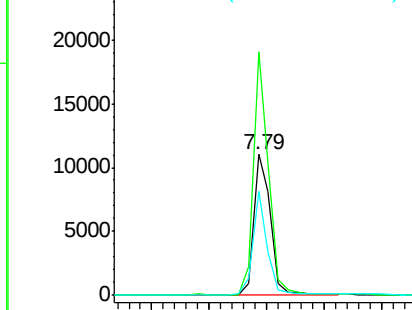
Tgt Ion: 152 Resp: 22280  
 Ion Ratio Lower Upper  
 152 100  
 150 173.0 122.6 183.8  
 115 73.6 52.8 79.2

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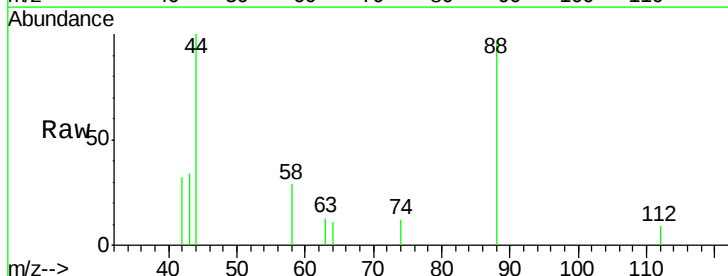


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

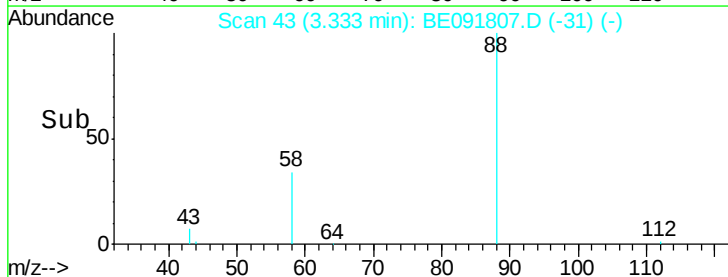
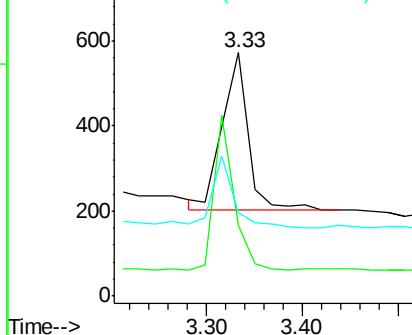


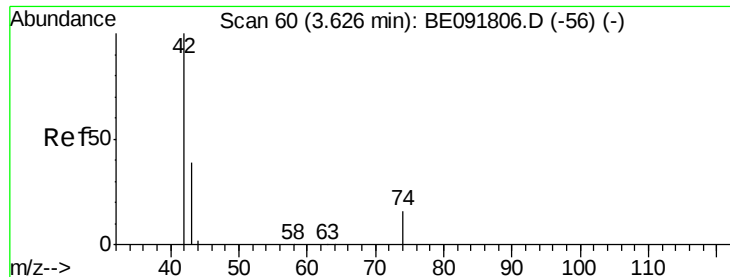
#2  
 1,4-Dioxane  
 Concen: 0.21 ng  
 RT: 3.33 min Scan# 43  
 Delta R.T. 0.00 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Tgt Ion: 88 Resp: 699  
 Ion Ratio Lower Upper  
 88 100  
 58 74.8 65.8 98.6  
 43 42.5 25.3 37.9#



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: 0.19 ng

RT: 3.63 min Scan# 60

Delta R.T. 0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

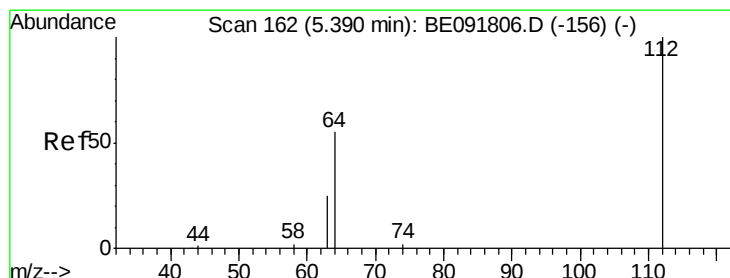
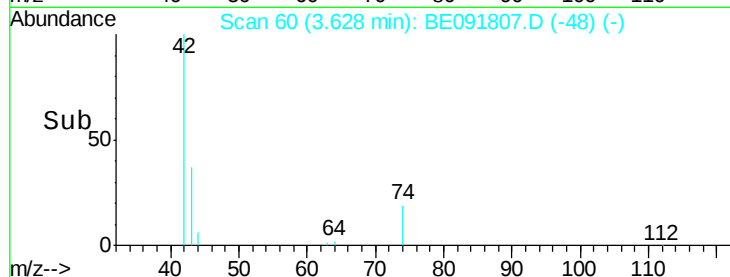
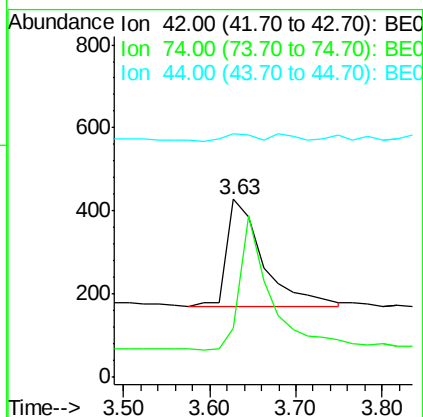
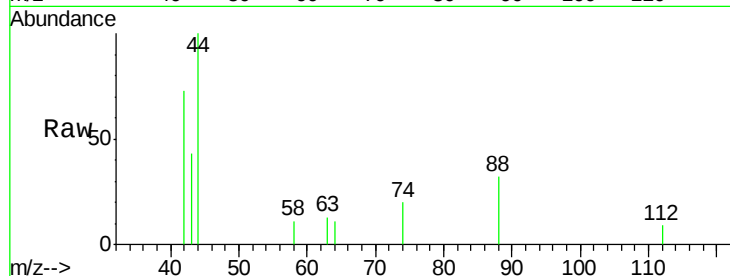
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 760   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 104.1 | 87.9  | 131.9 |
| 44       | 6.6   | 6.6   | 9.8   |

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#4

2-Fluorophenol

Concen: 0.23 ng

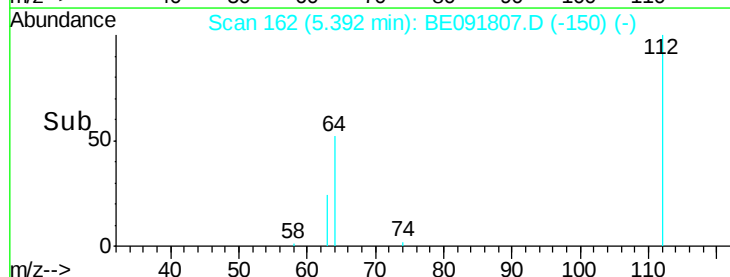
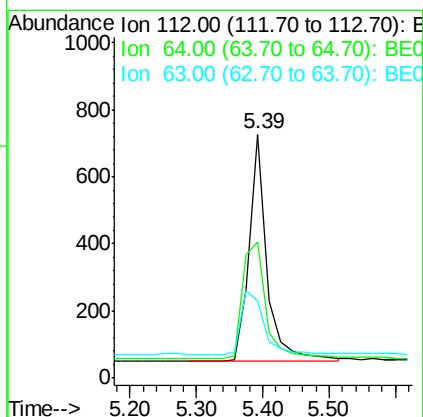
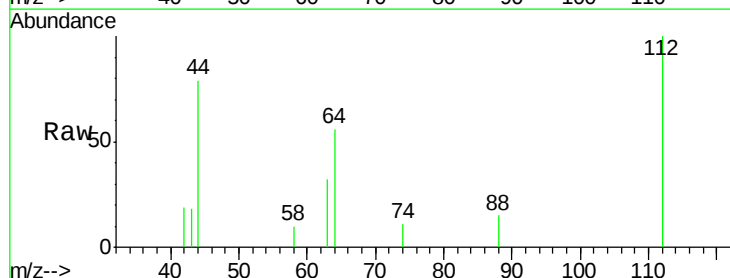
RT: 5.39 min Scan# 162

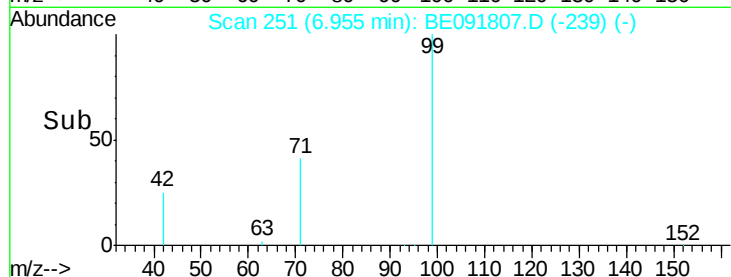
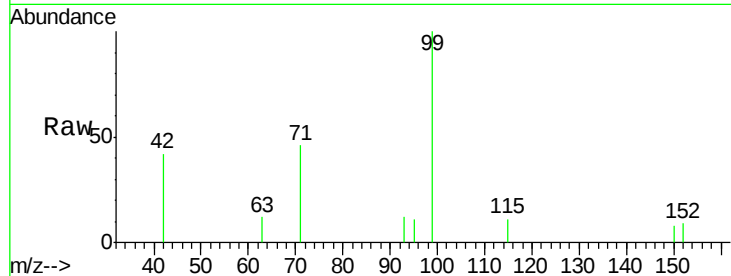
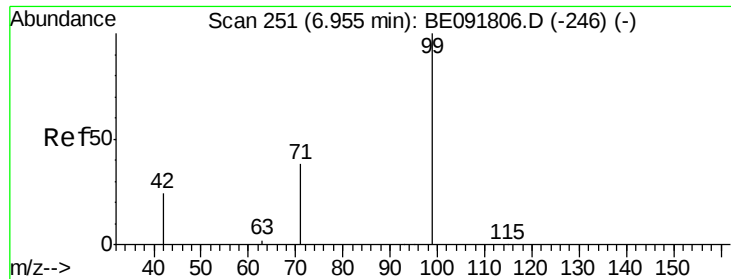
Delta R.T. 0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 1264  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 68.1  | 30.9  | 46.3# |
| 63       | 36.6  | 16.7  | 25.1# |





#5

Phenol-d6

Concen: 0.23 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1660  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.0  | 16.2  | 24.2# |
| 71       | 37.5  | 29.0  | 43.4  |

Instrument :

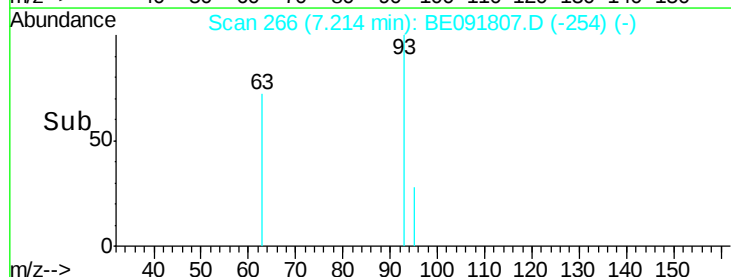
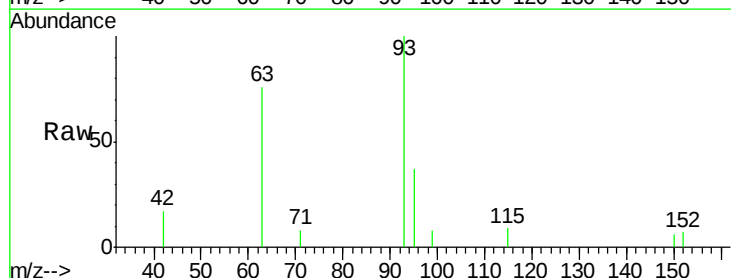
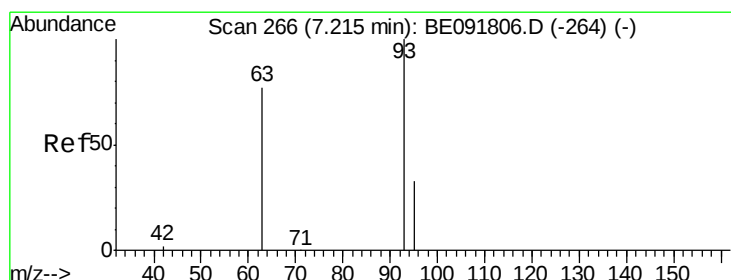
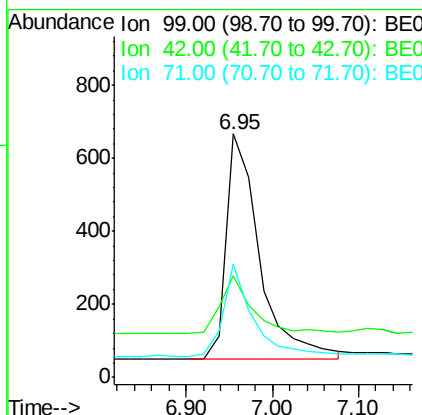
BNA\_E

ClientSampleId :

SSTDICC0.2

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#6

bis(2-Chloroethyl)ether

Concen: 0.22 ng

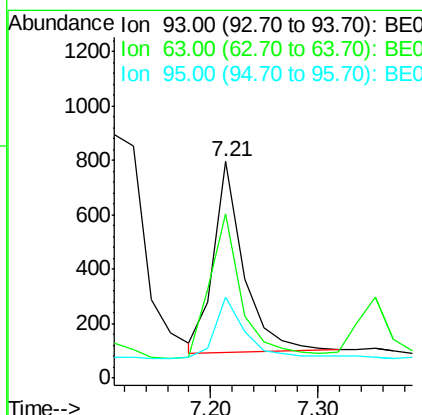
RT: 7.21 min Scan# 266

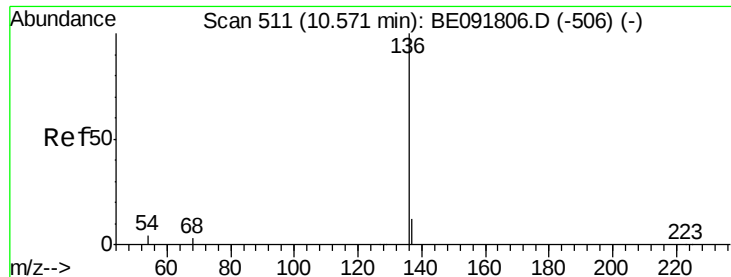
Delta R.T. 0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1376  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 82.8  | 49.5  | 74.3# |
| 95       | 33.6  | 22.2  | 33.4# |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

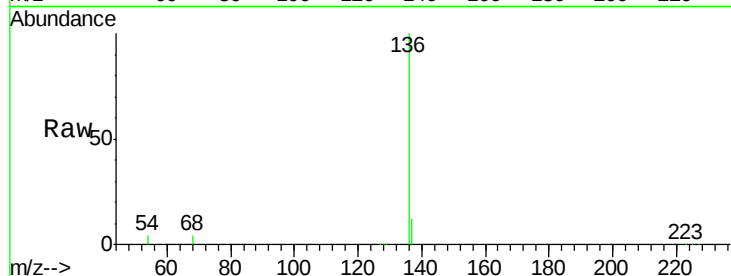
ClientSampled :

SSTDICC0.2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 115460 |       |       |
| 137     | 11.9  | 8.9    | 13.3  |       |
| 54      | 4.3   | 8.2    | 12.4  |       |
| 68      | 3.6   | 6.2    | 9.4   |       |

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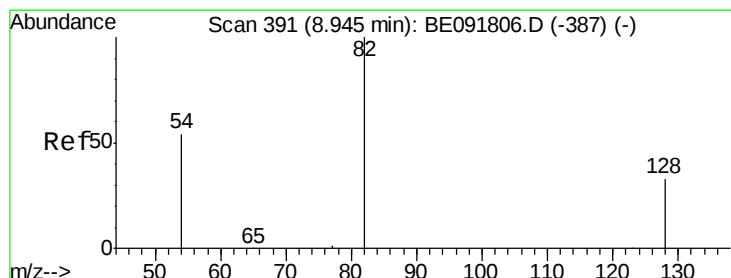
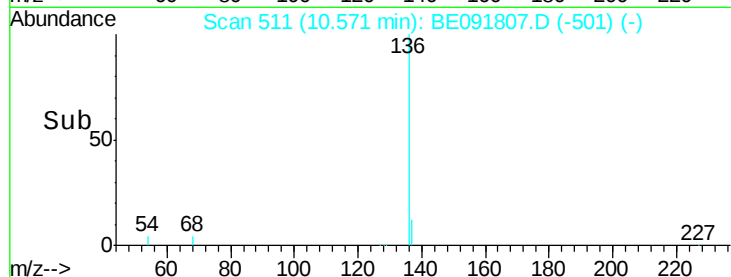
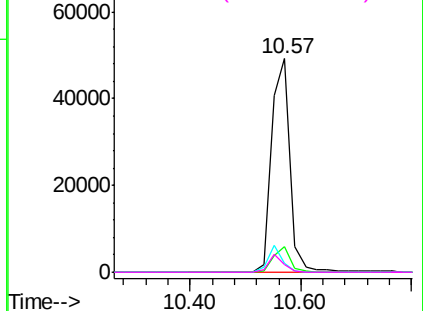


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.21 ng

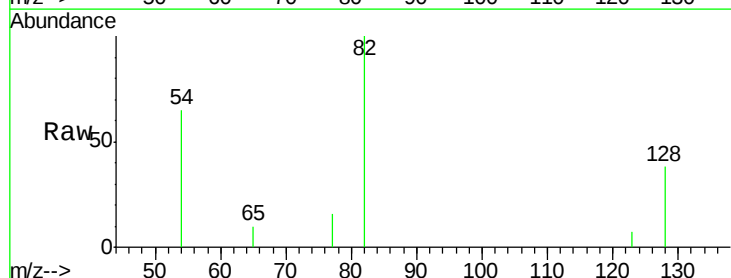
RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

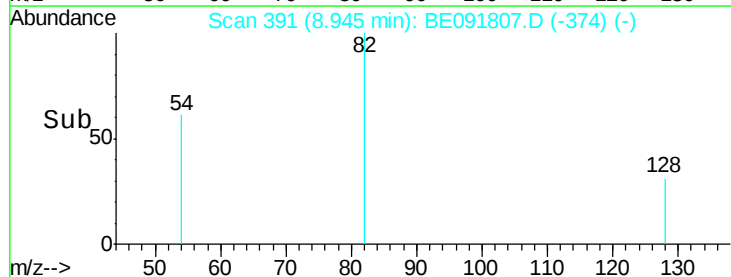
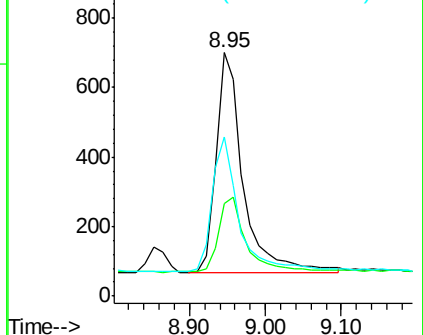
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 1559 |       |       |
| 128     | 37.9  | 25.4 | 38.0  |       |
| 54      | 65.4  | 48.4 | 72.6  |       |

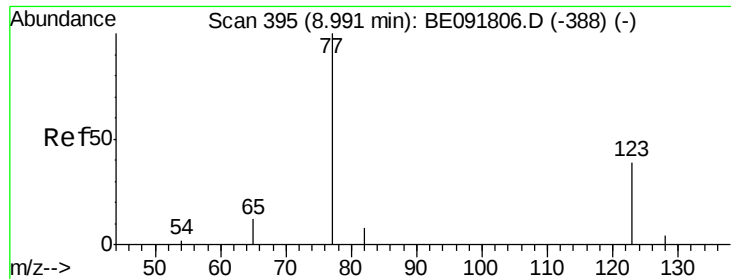


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.20 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

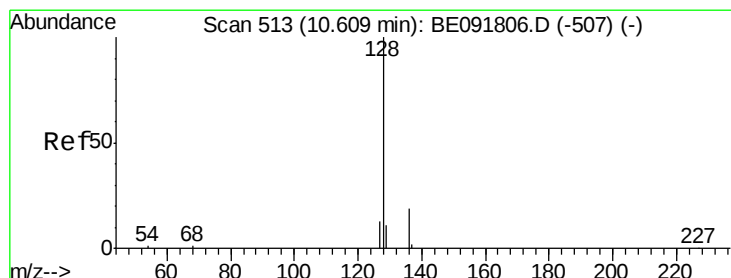
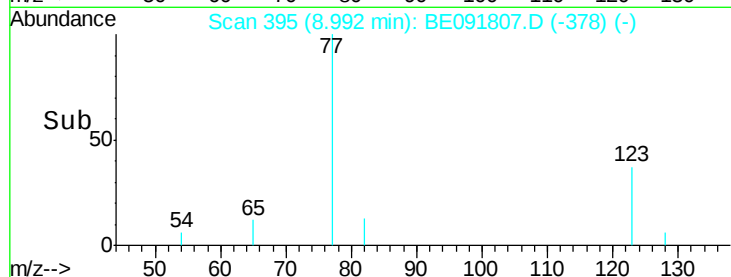
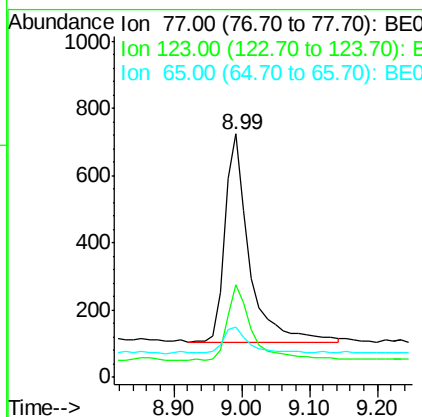
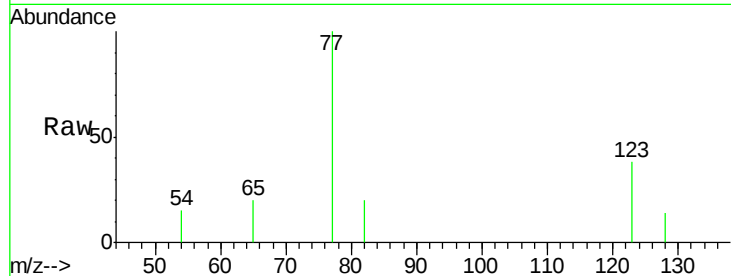
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 77    | Resp: | 1586 |
| Ion Ratio | Lower | Upper |      |
| 77        | 100   |       |      |
| 123       | 35.1  | 26.9  | 40.3 |
| 65        | 13.4  | 9.4   | 14.2 |

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#10

Naphthalene

Concen: 0.25 ng

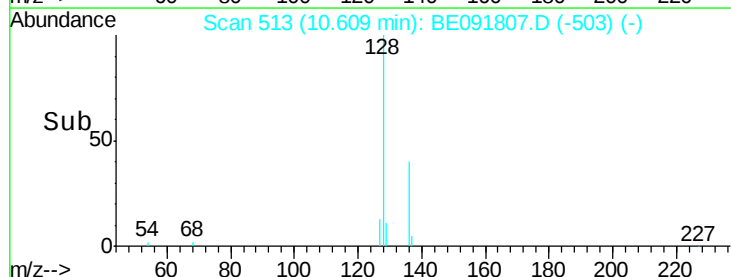
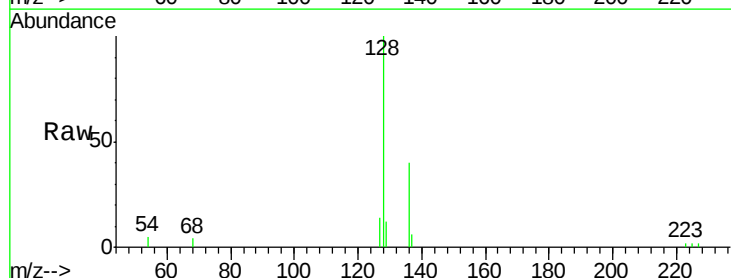
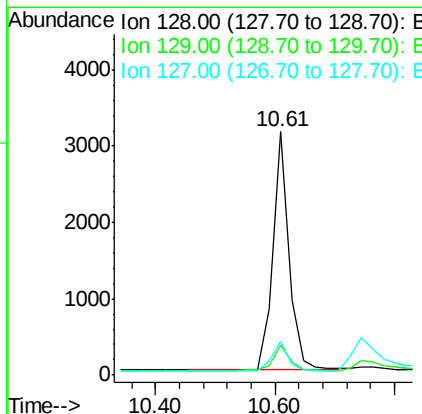
RT: 10.61 min Scan# 513

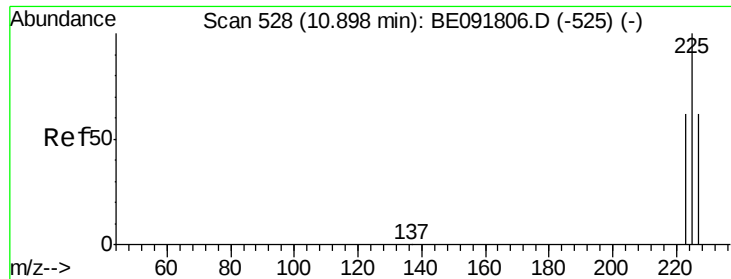
Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 5809 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 12.3  | 9.3   | 13.9 |
| 127       | 14.0  | 10.7  | 16.1 |





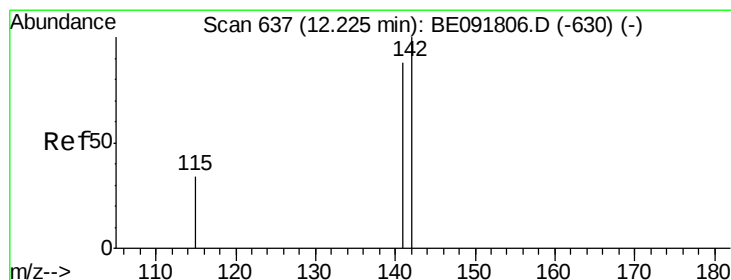
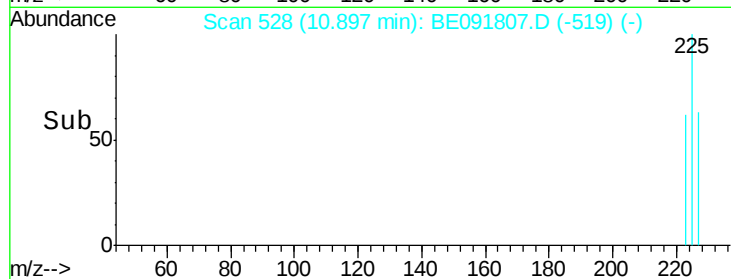
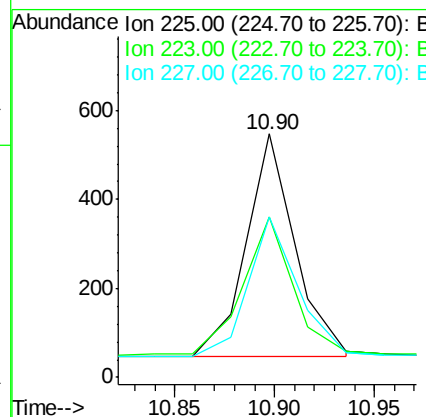
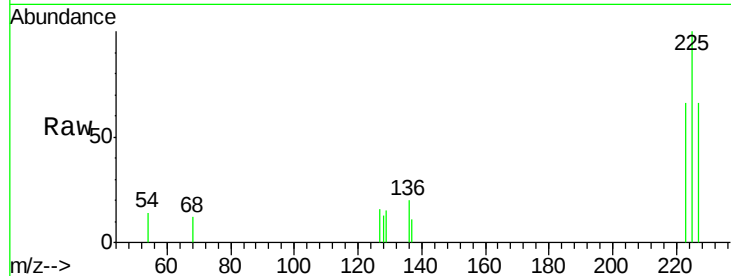
#11  
Hexachlorobutadiene  
Concen: 0.25 ng m  
RT: 10.90 min Scan# 528  
Delta R.T. -0.02 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 133.9 | 49.0  | 73.6# |
| 227     | 123.8 | 50.3  | 75.5# |

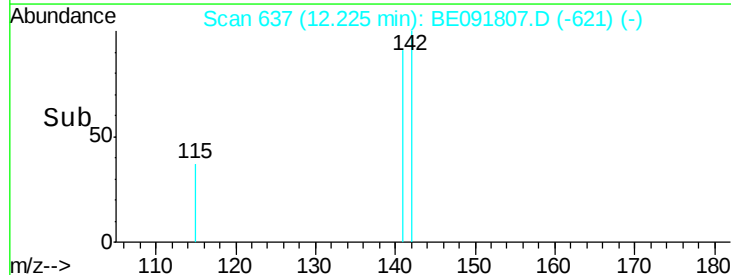
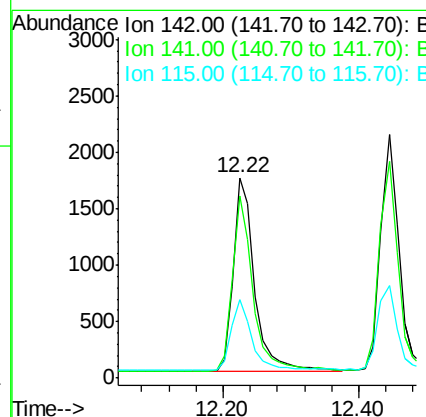
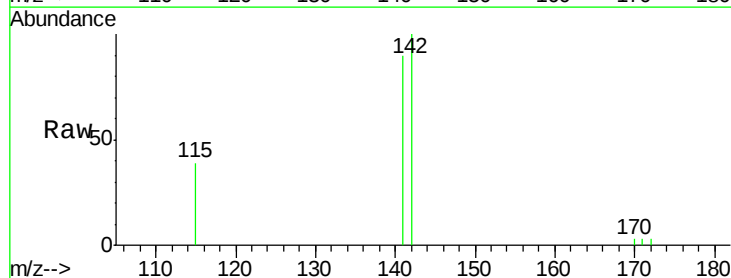
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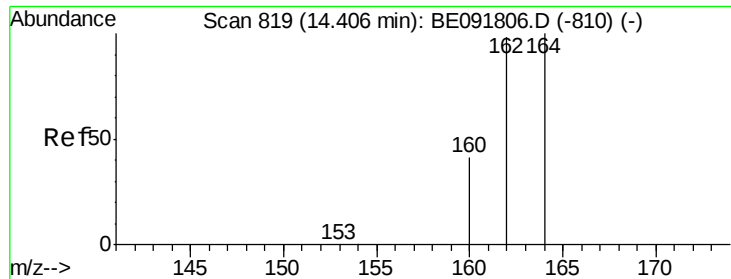
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#12  
2-Methylnaphthalene  
Concen: 0.25 ng  
RT: 12.22 min Scan# 637  
Delta R.T. -0.01 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 71.4  | 107.0 |
| 115     | 39.0  | 30.3  | 45.5  |





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

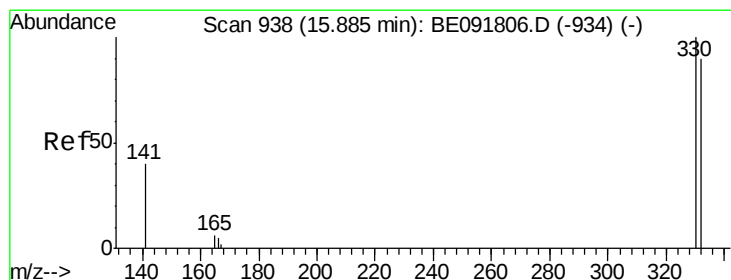
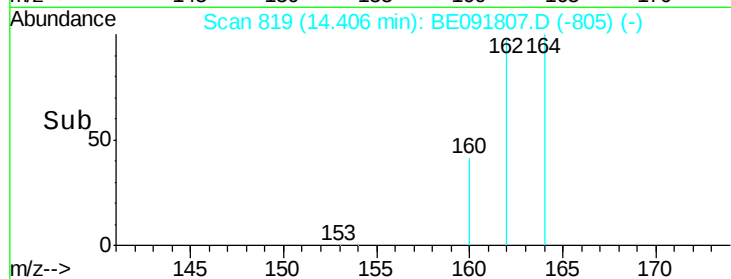
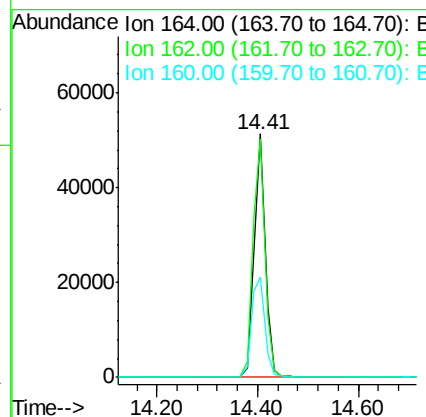
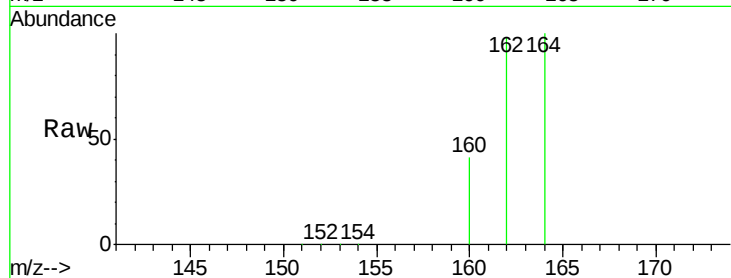
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

Tgt Ion:164 Resp: 78605

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 97.7  | 85.3  | 127.9 |
| 160 | 41.1  | 46.2  | 69.2# |

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#14

2,4,6-Tribromophenol

Concen: 0.24 ng

RT: 15.90 min Scan# 939

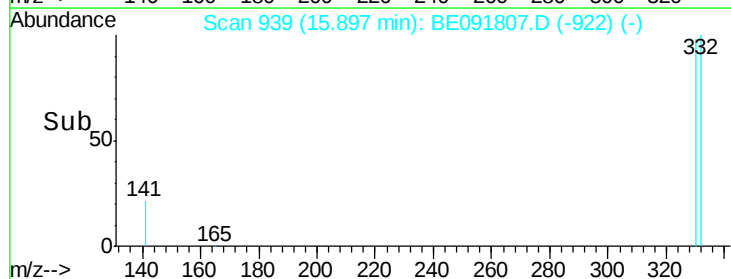
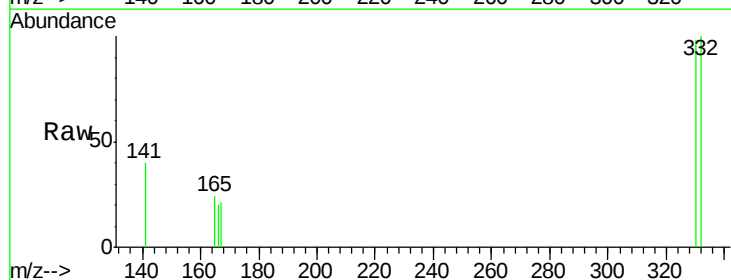
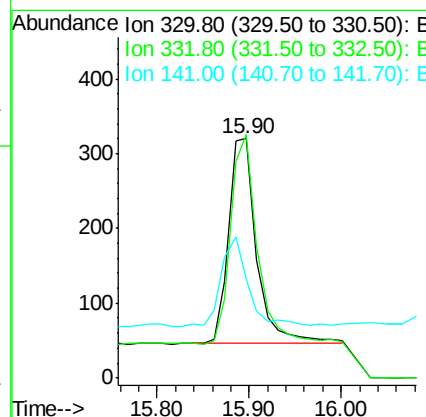
Delta R.T. 0.00 min

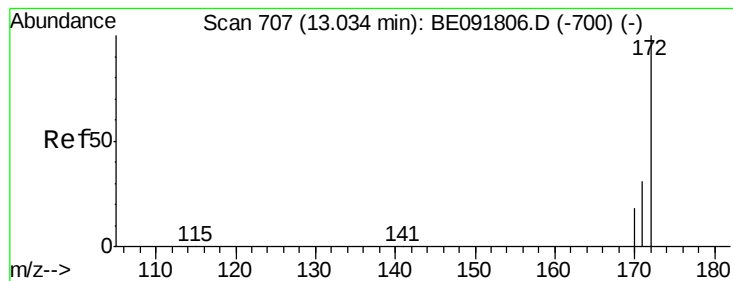
Lab File: BE091807.D

Acq: 19 May 2016 13:12

Tgt Ion:330 Resp: 585

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 330 | 100   |       |        |
| 332 | 98.8  | 79.1  | 118.7  |
| 141 | 41.4  | 125.4 | 188.0# |





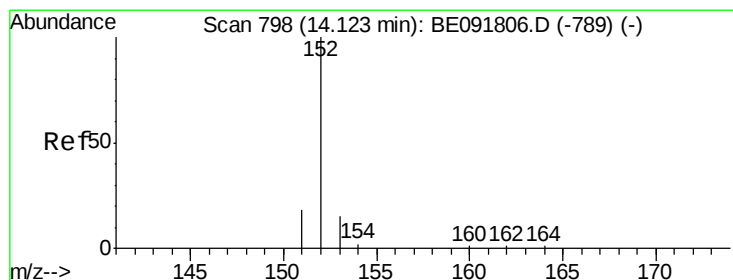
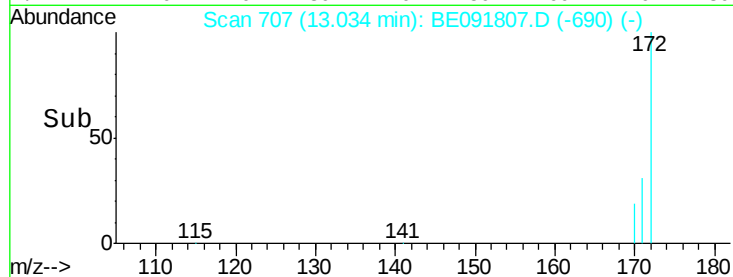
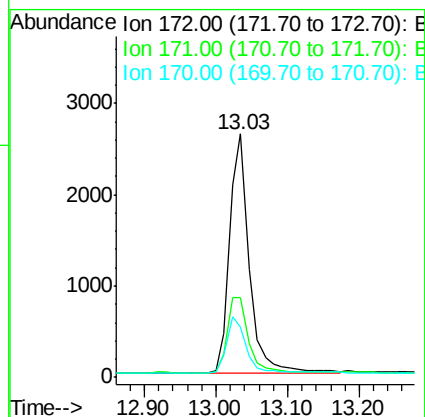
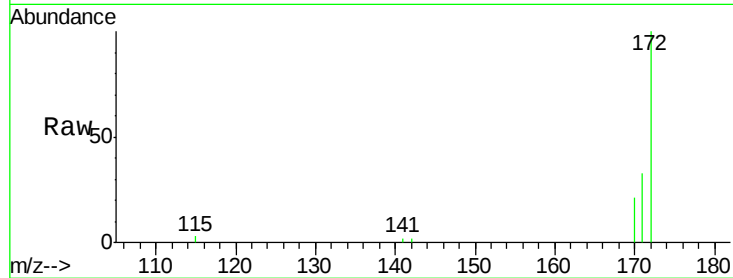
#15  
2-Fluorobiphenyl  
Concen: 0.22 ng  
RT: 13.03 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.6  | 28.8  | 43.2  |
| 170     | 20.8  | 19.3  | 28.9  |

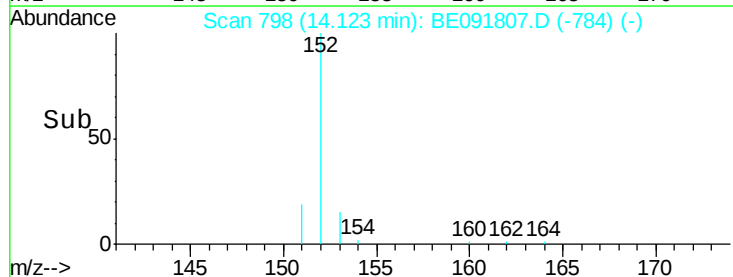
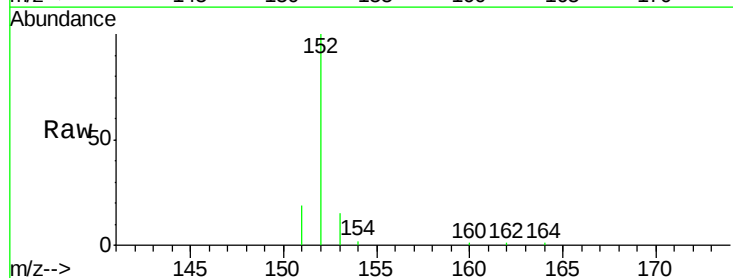
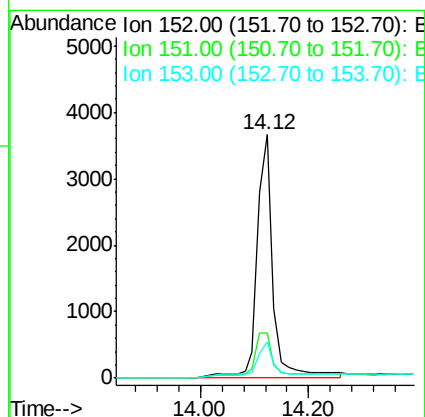
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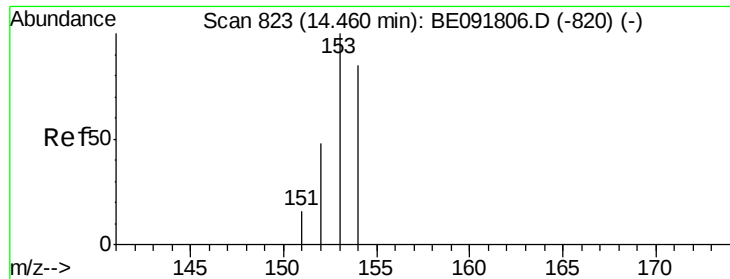
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#16  
Acenaphthylene  
Concen: 0.27 ng  
RT: 14.12 min Scan# 798  
Delta R.T. 0.00 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 27.4  | 3.9   | 5.9#  |
| 153     | 21.7  | 10.3  | 15.5# |





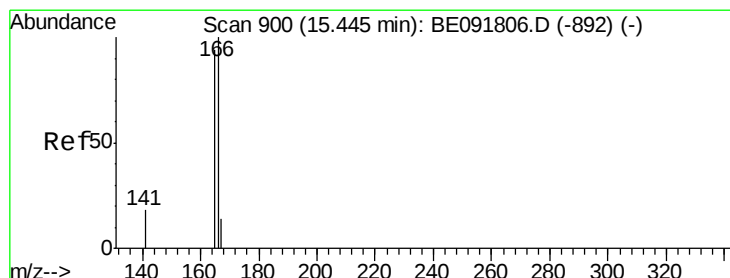
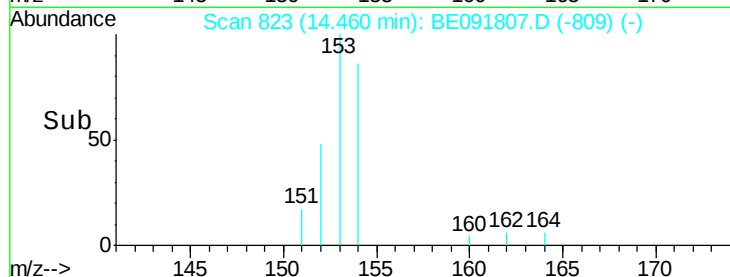
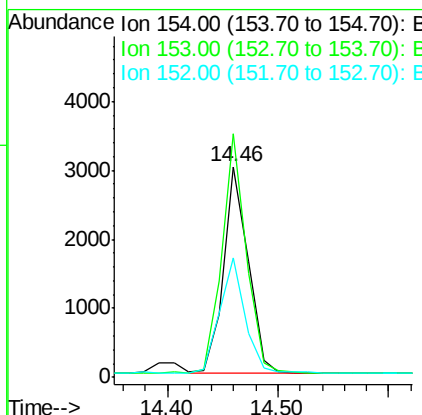
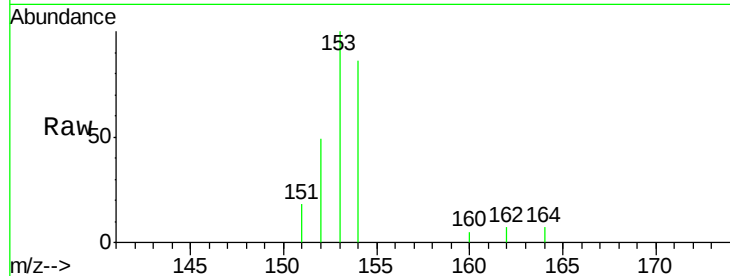
#17  
Acenaphthene  
Concen: 0.24 ng  
RT: 14.46 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.7 | 80.0  | 120.0 |
| 152     | 57.0  | 40.0  | 60.0  |

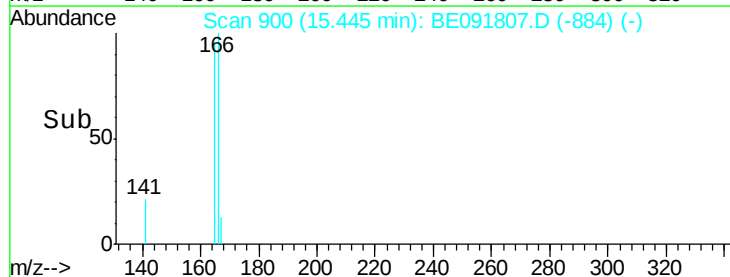
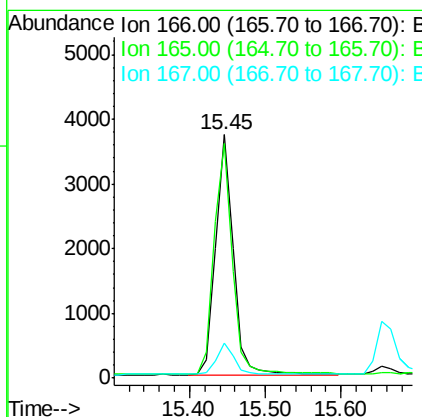
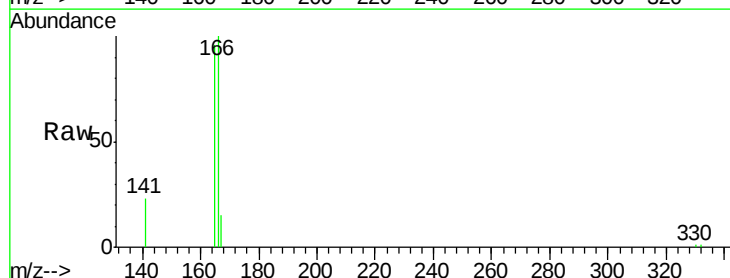
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#18  
Fluorene  
Concen: 0.25 ng  
RT: 15.45 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.9  | 80.8  | 121.2 |
| 167     | 13.4  | 10.9  | 16.3  |





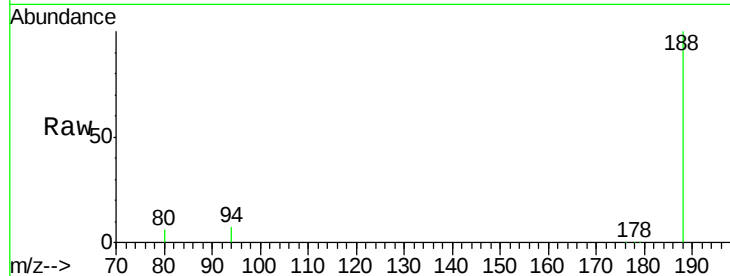
#19  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.14 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.2

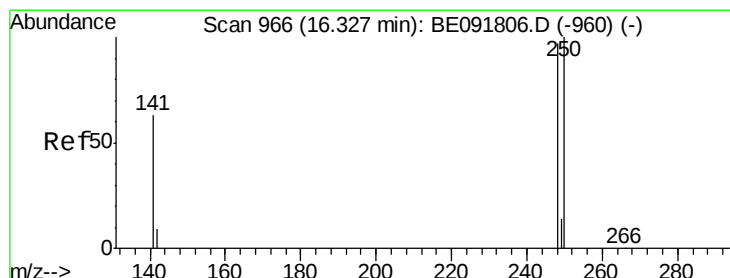
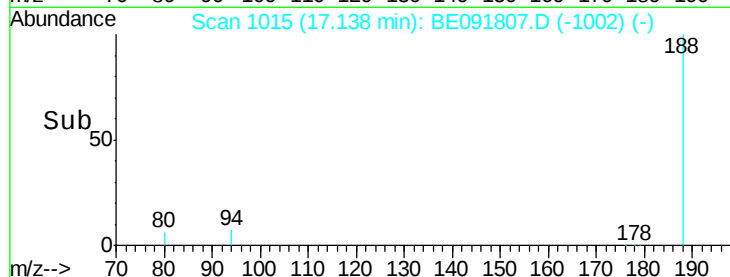
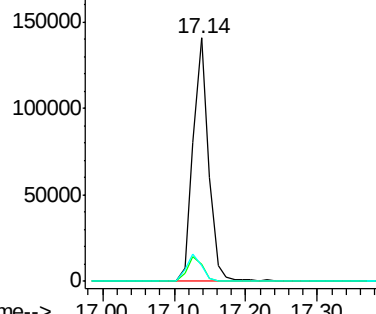
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 6.8   | 8.7        | 13.1# |
| 80      | 6.2   | 9.4        | 14.0# |

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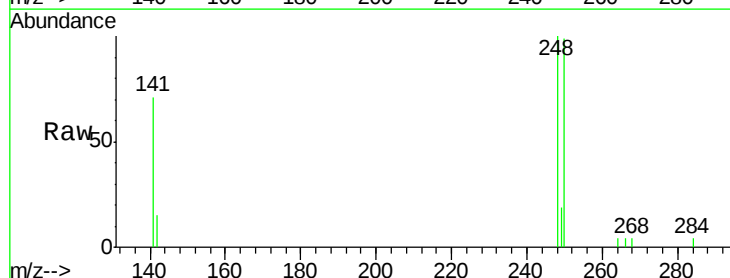


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

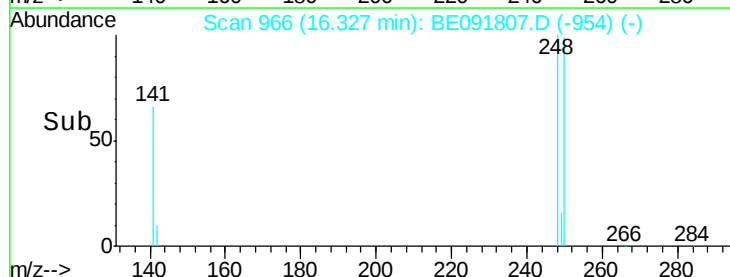
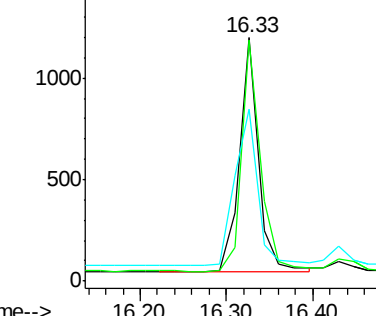


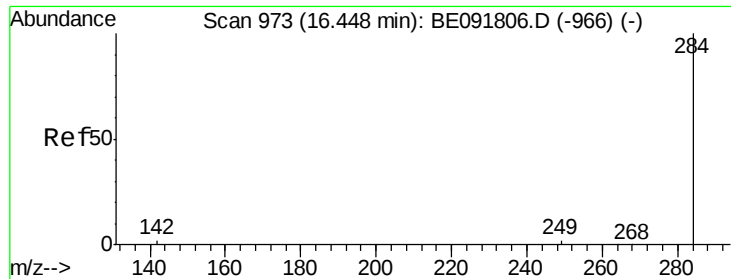
#20  
4-Bromophenyl-phenylether  
Concen: 0.24 ng  
RT: 16.33 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 98.8  | 80.5       | 120.7 |
| 141     | 81.5  | 72.0       | 108.0 |



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





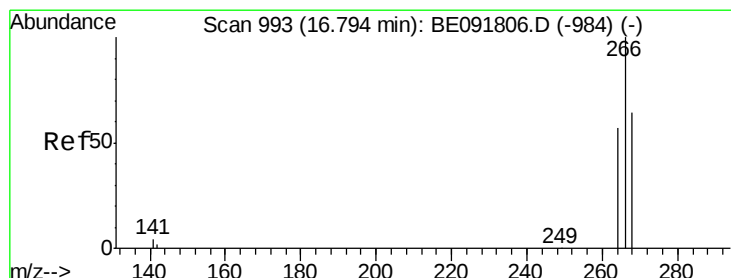
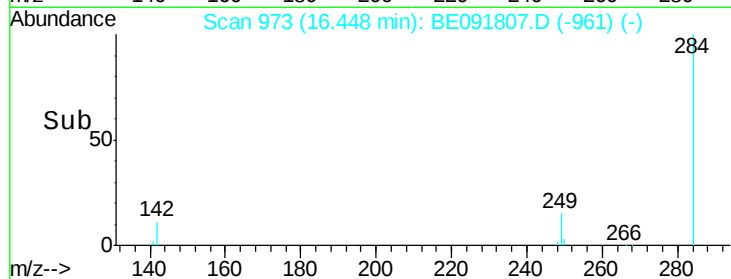
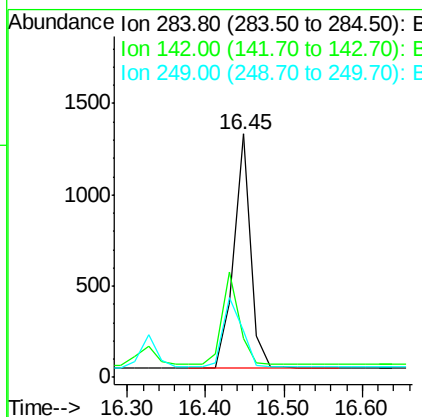
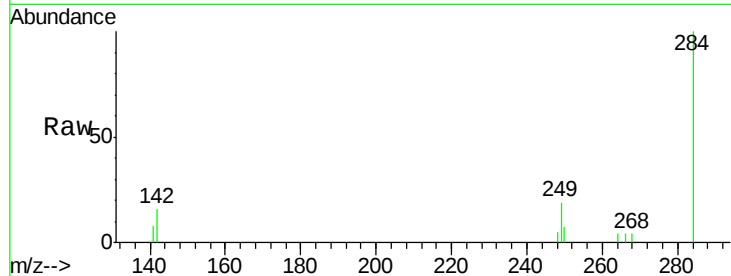
#21  
Hexachlorobenzene  
Concen: 0.25 ng  
RT: 16.45 min Scan# 973  
Delta R.T. 0.00 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   | 1923 |       |       |
| 142     | 40.1  |      | 32.2  | 48.2  |
| 249     | 33.5  |      | 25.4  | 38.2  |

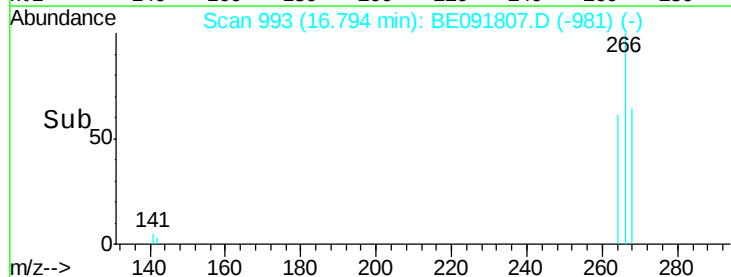
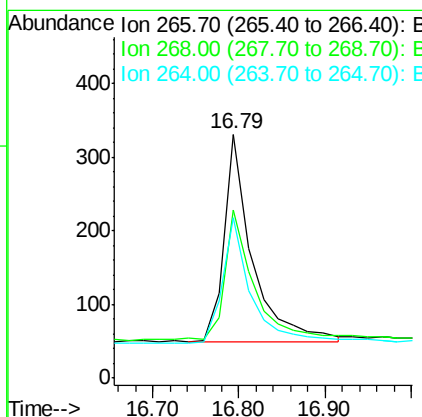
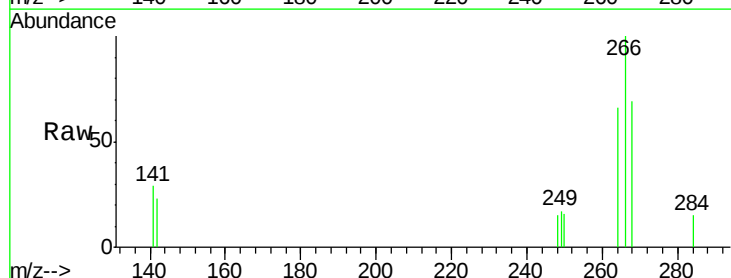
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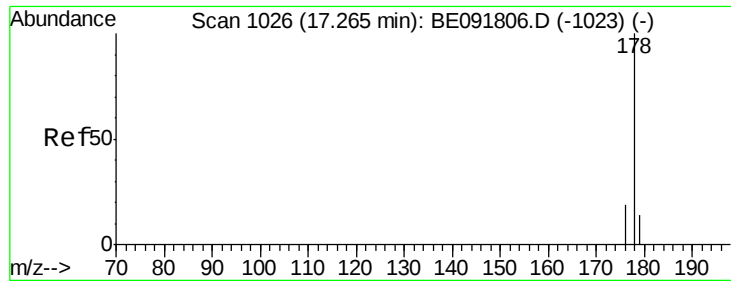
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#22  
Pentachlorophenol  
Concen: 0.18 ng  
RT: 16.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BE091807.D  
Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   | 635  |       |       |
| 268     | 68.9  |      | 58.2  | 87.2  |
| 264     | 65.9  |      | 56.2  | 84.4  |





#23

Phenanthrene

Concen: 0.25 ng m

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

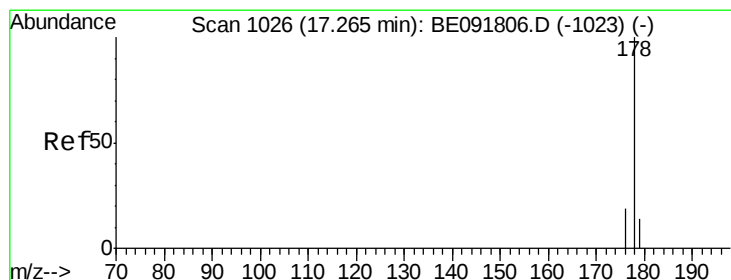
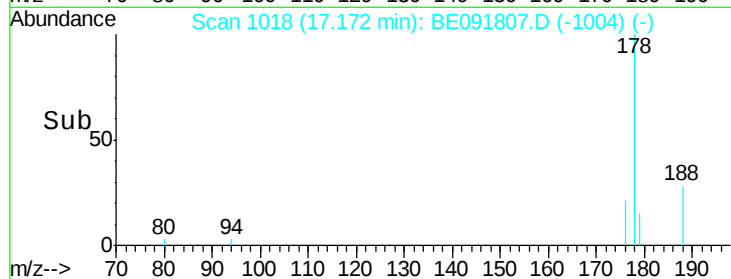
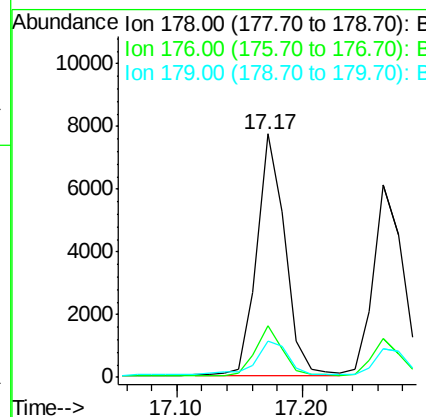
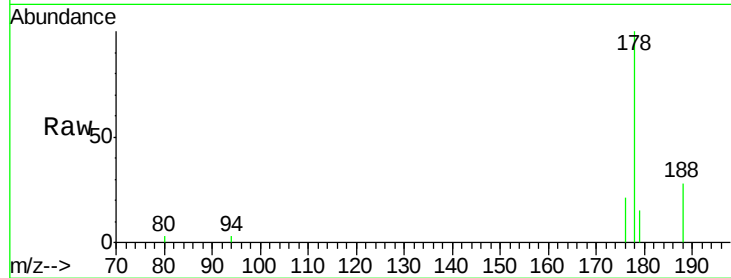
ClientSampled :

SSTDICC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 12017 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 15.5  | 15.3  | 22.9  |
| 179       | 12.7  | 12.6  | 18.8  |

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#24

Anthracene

Concen: 0.24 ng

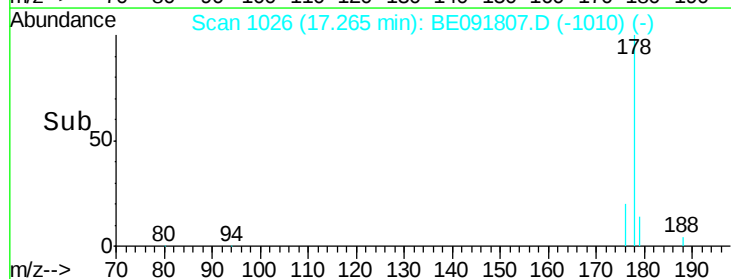
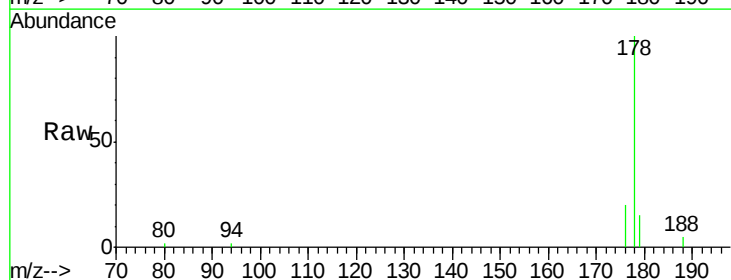
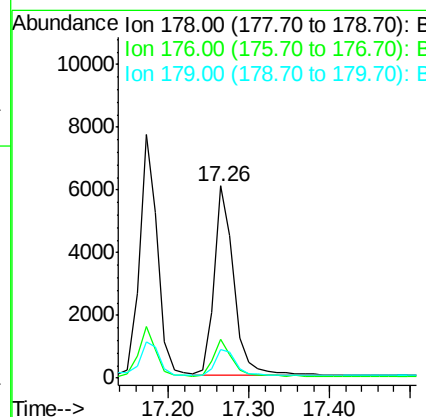
RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 10351 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.5  | 14.6  | 21.8  |
| 179       | 14.8  | 11.8  | 17.6  |





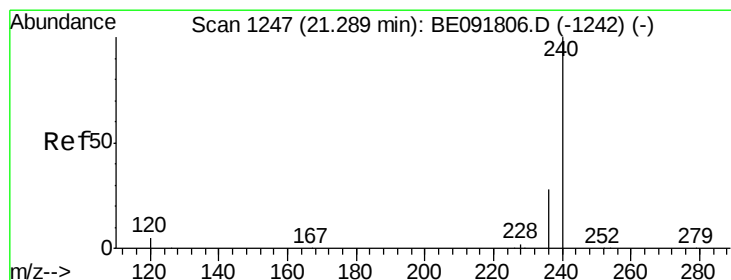
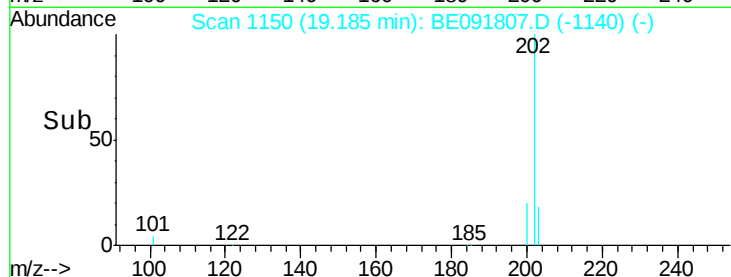
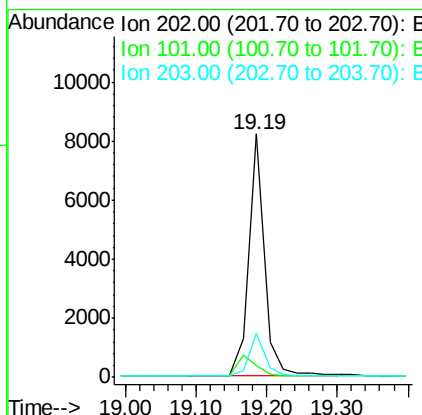
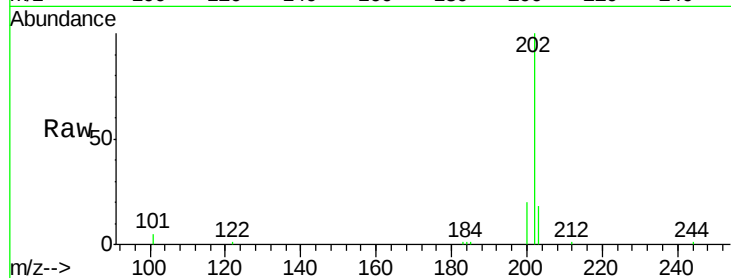
#25  
 Fluoranthene  
 Concen: 0.25 ng  
 RT: 19.19 min Scan# 1150  
 Delta R.T. -0.00 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDICC0.2

| Tgt | Ion  | Ratio | Resp  | Lower | Upper |
|-----|------|-------|-------|-------|-------|
| 202 | 100  |       | 12771 |       |       |
| 101 | 10.6 | 11.0  | 16.6# |       |       |
| 203 | 17.5 | 13.9  | 20.9  |       |       |

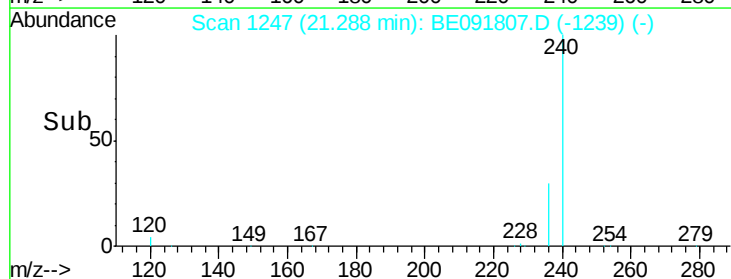
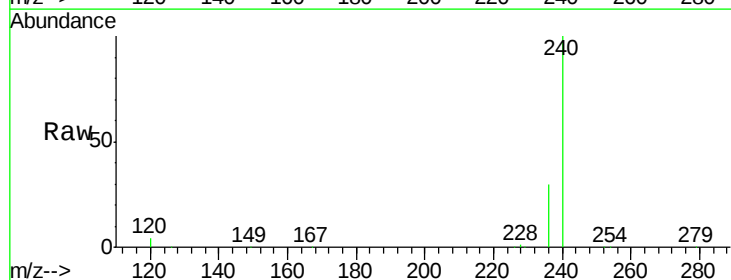
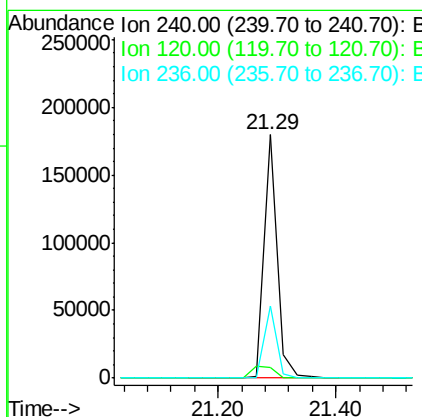
Manual Integrations  
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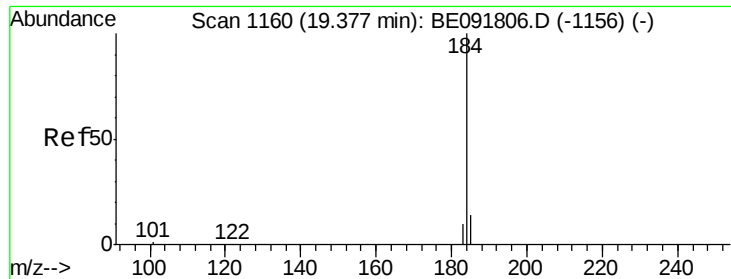
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#26  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.29 min Scan# 1247  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 240 | 100  |       | 280160 |       |       |
| 120 | 4.5  | 11.0  | 16.4#  |       |       |
| 236 | 29.7 | 21.7  | 32.5   |       |       |





#27

Benzidine

Concen: 0.19 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

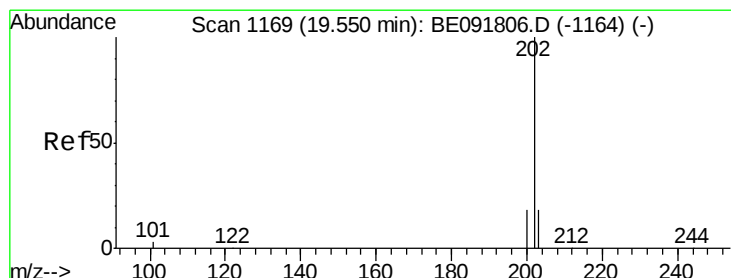
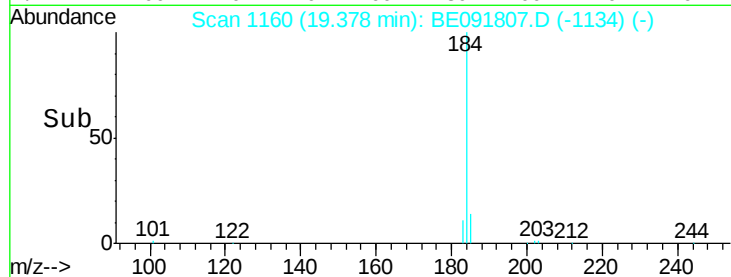
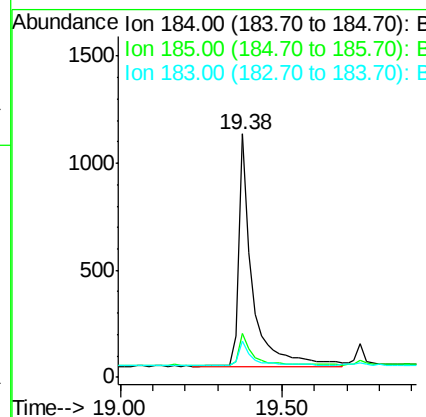
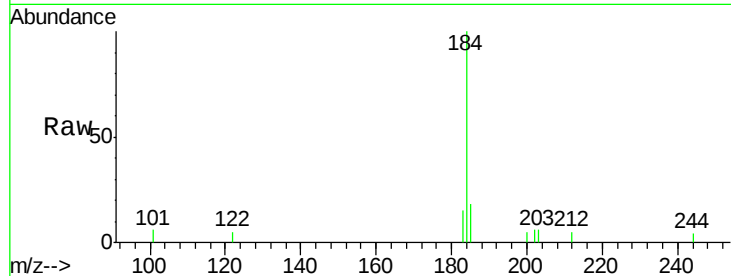
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 3102  |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 17.9  | 22.3  | 33.5# |
| 183       | 15.0  | 16.4  | 24.6# |

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#28

Pyrene

Concen: 0.21 ng

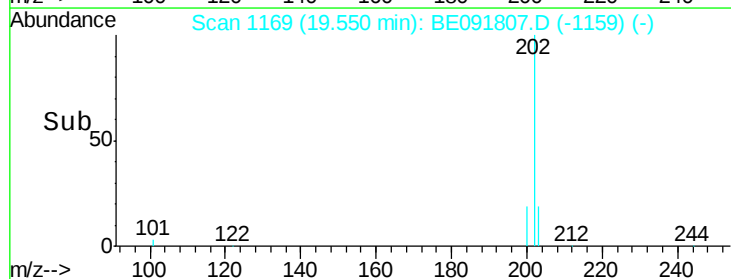
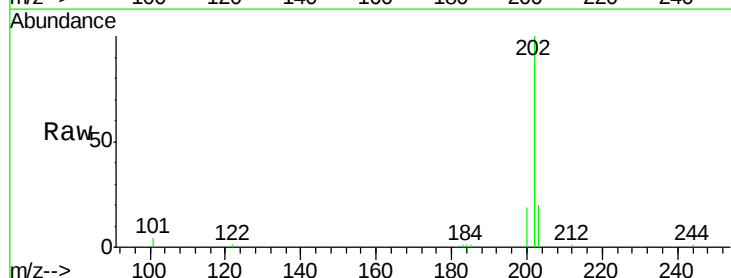
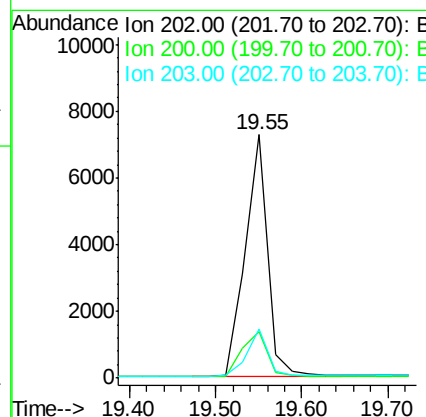
RT: 19.55 min Scan# 1169

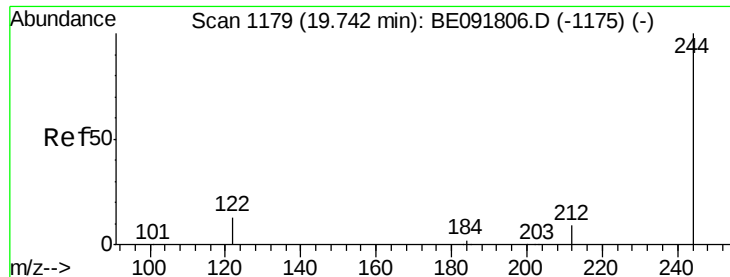
Delta R.T. -0.00 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 12987 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.1  | 16.8  | 25.2  |
| 203       | 18.2  | 14.0  | 21.0  |





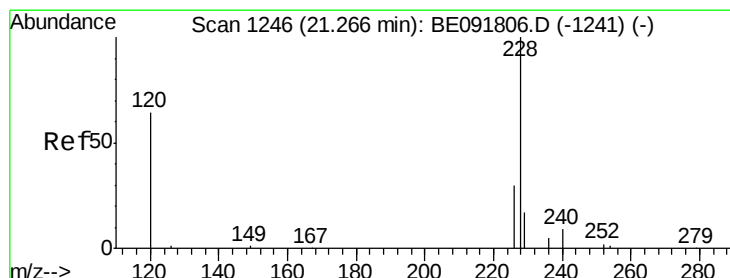
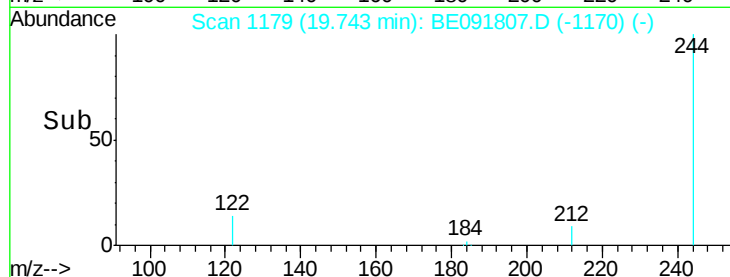
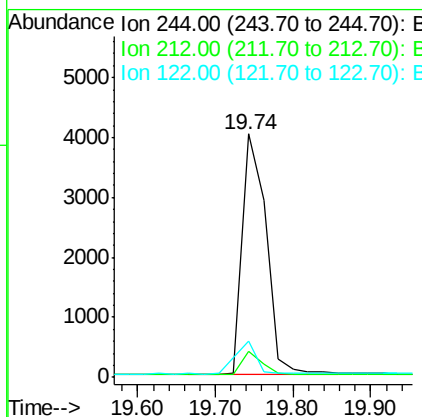
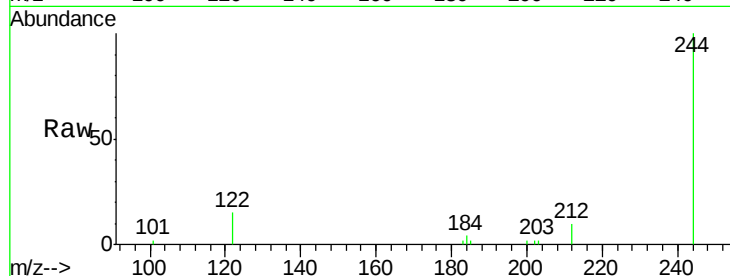
#29  
 Terphenyl-d14  
 Concen: 0.20 ng  
 RT: 19.74 min Scan# 1179  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 8521 |       |       |
| 212     | 10.4  | 6.9  | 10.3  |       |
| 122     | 15.1  | 11.0 | 16.4  |       |

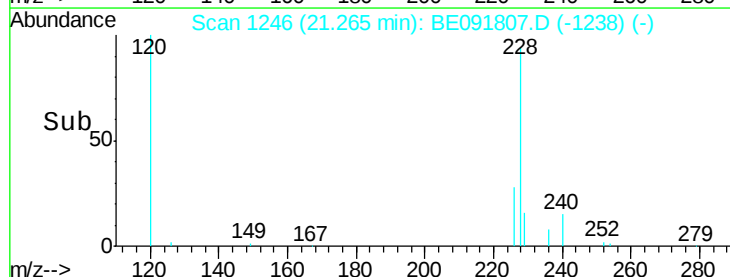
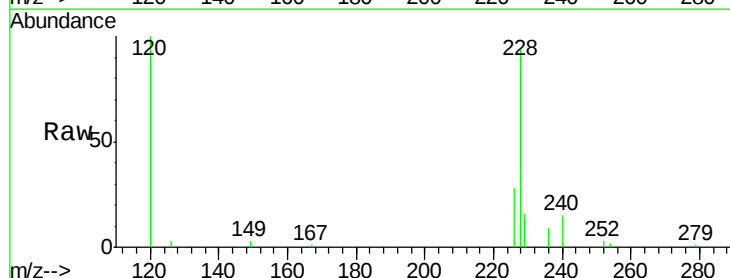
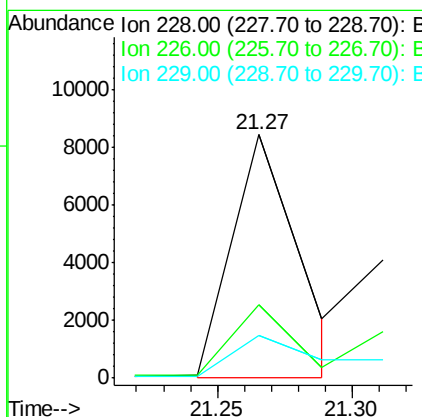
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#30  
 Benzo(a)anthracene  
 Concen: 0.21 ng m  
 RT: 21.27 min Scan# 1246  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 228     | 100   | 14548 |       |       |
| 226     | 30.1  | 21.0  | 31.4  |       |
| 229     | 17.4  | 15.7  | 23.5  |       |





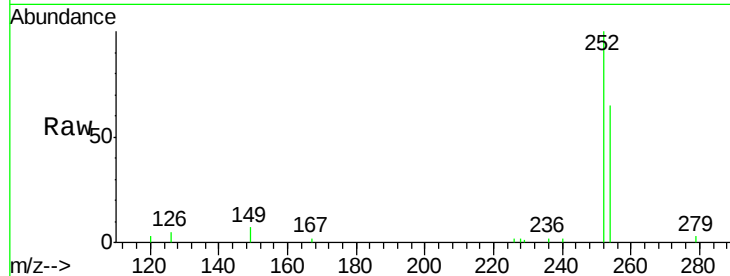
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.24 ng  
 RT: 21.22 min Scan# 1244  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

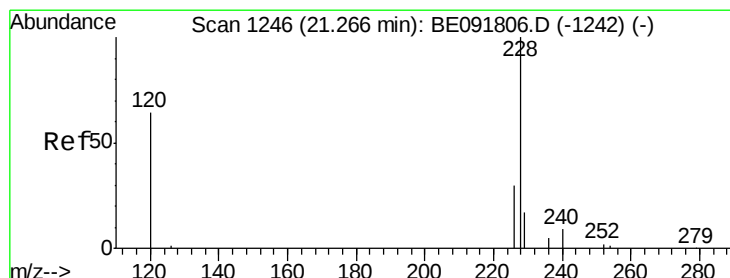
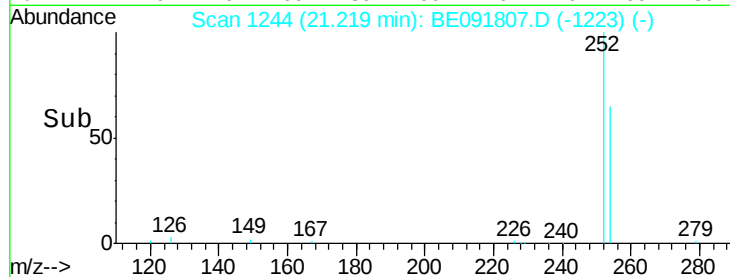
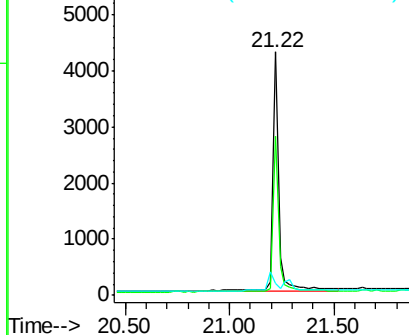
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.3  | 51.1  | 76.7  |
| 126     | 5.1   | 12.6  | 18.8  |

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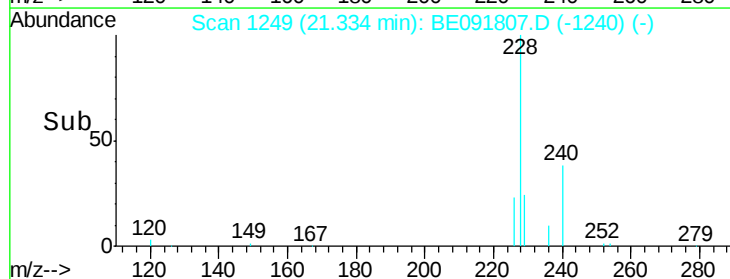
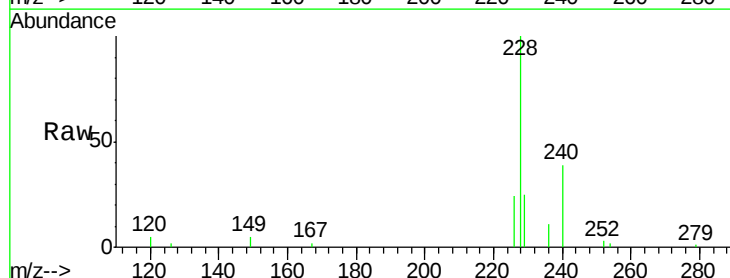
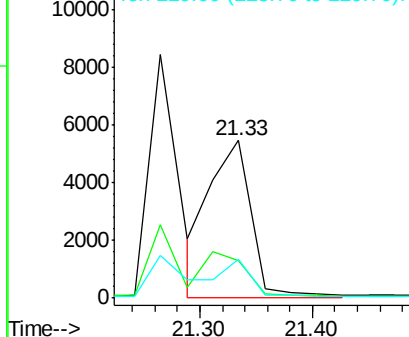
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

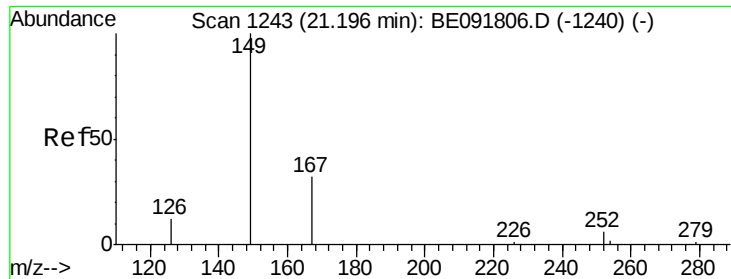


#32  
 Chrysene  
 Concen: 0.20 ng m  
 RT: 21.33 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 23.6  | 24.0  | 36.0  |
| 229     | 24.9  | 15.9  | 23.9  |

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





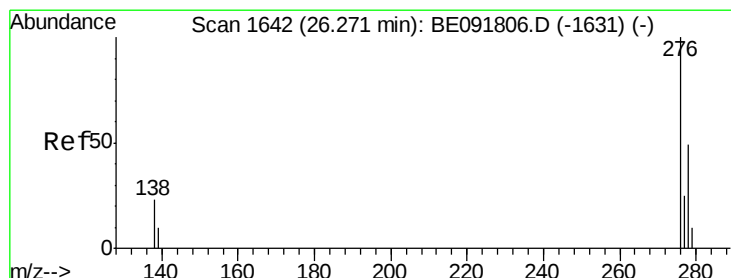
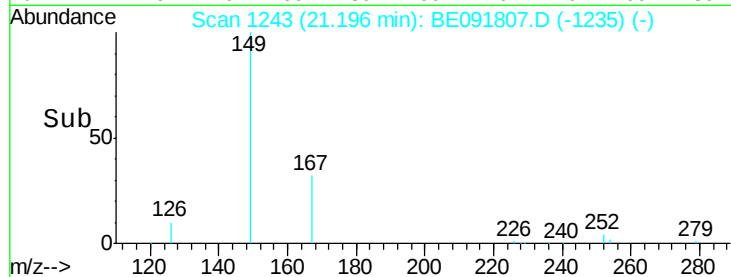
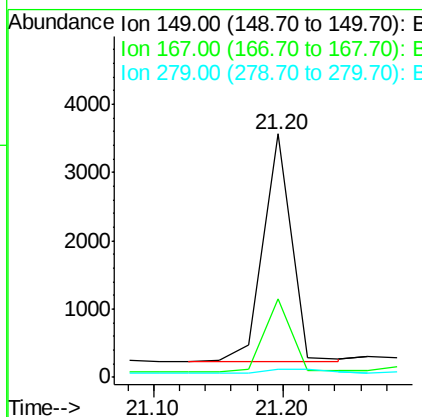
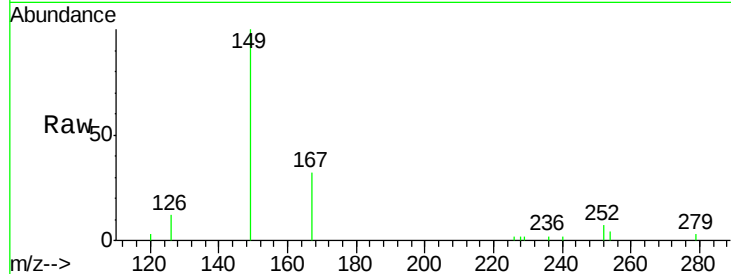
#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.25 ng  
 RT: 21.20 min Scan# 1243  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 31.3  | 19.5  | 29.3# |
| 279     | 0.0   | 10.0  | 15.0# |

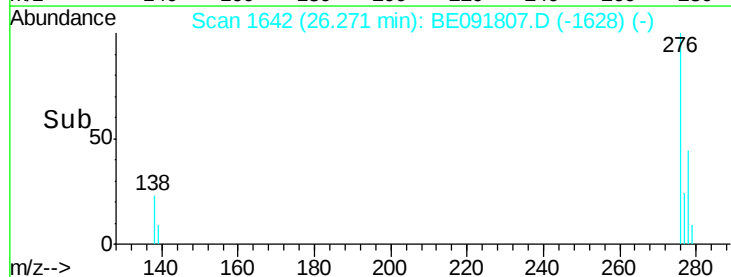
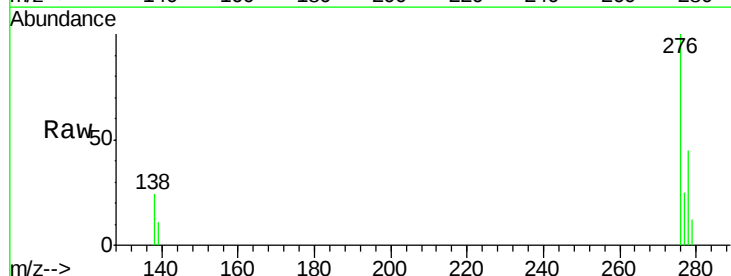
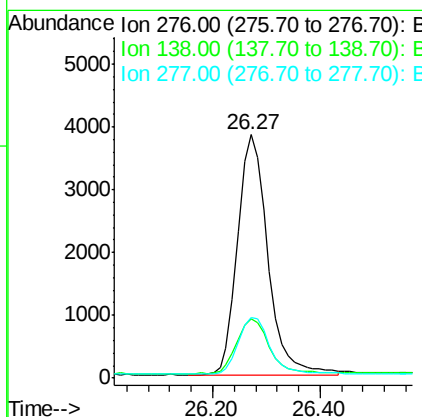
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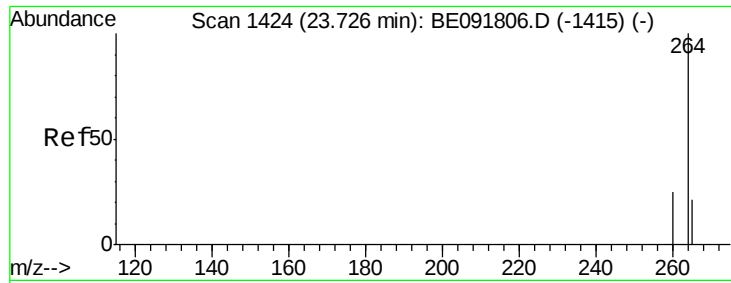
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#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.24 ng  
 RT: 26.27 min Scan# 1642  
 Delta R.T. -0.03 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 23.4  | 35.2  |
| 277     | 24.8  | 19.8  | 29.8  |





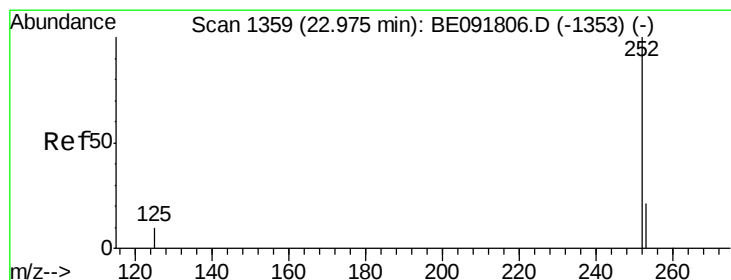
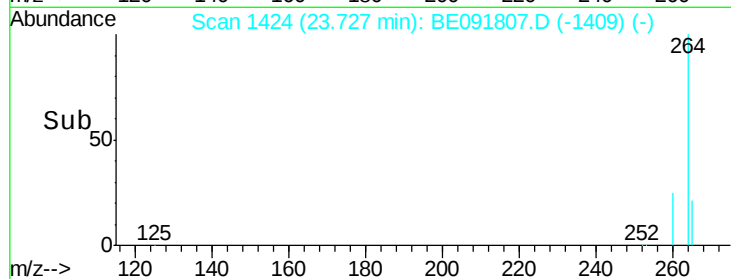
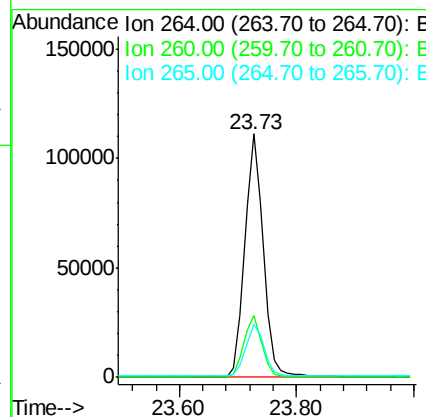
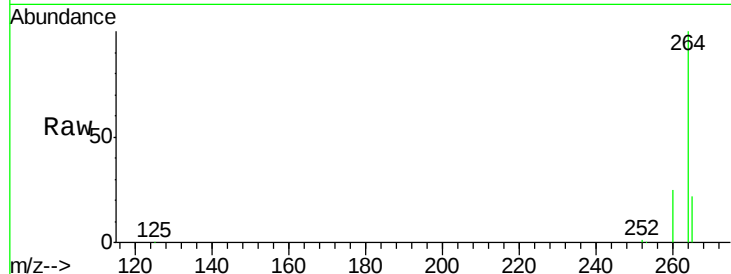
#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.73 min Scan# 1424  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 243257 |       |       |
| 260     | 25.3  | 20.0   | 30.0  |       |
| 265     | 21.8  | 17.5   | 26.3  |       |

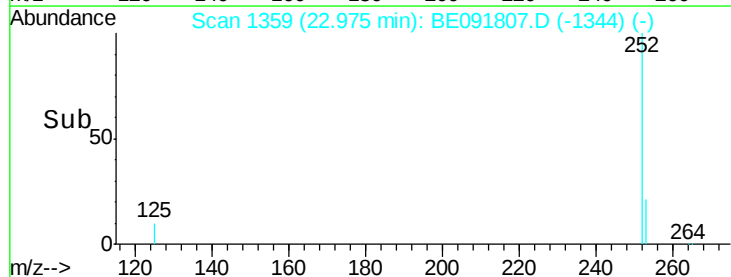
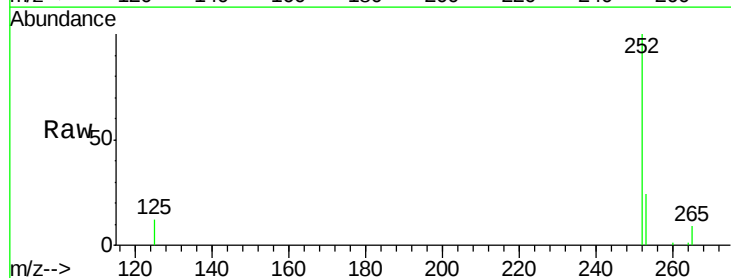
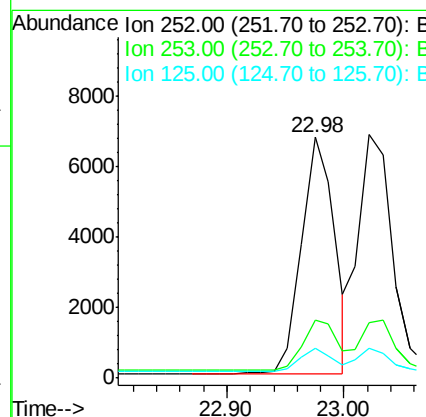
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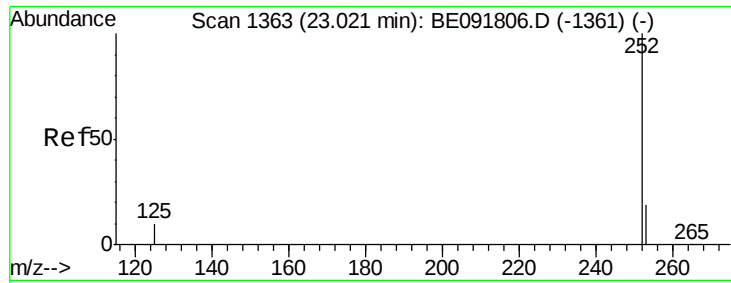
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#36  
 Benzo(b)fluoranthene  
 Concen: 0.23 ng  
 RT: 22.98 min Scan# 1359  
 Delta R.T. -0.02 min  
 Lab File: BE091807.D  
 Acq: 19 May 2016 13:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 13081 |       |       |
| 253     | 24.0  | 17.4  | 26.0  |       |
| 125     | 12.4  | 10.2  | 15.2  |       |





#37

Benzo(k)fluoranthene

Concen: 0.24 ng

RT: 23.02 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

Instrument :

BNA\_E

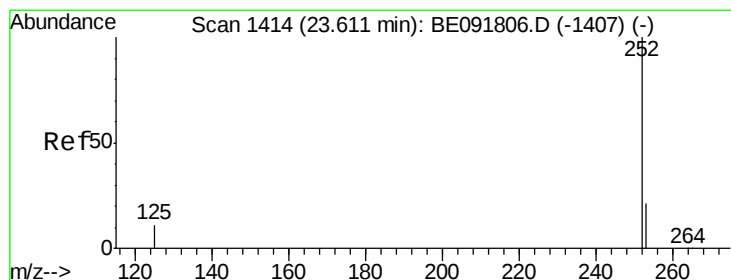
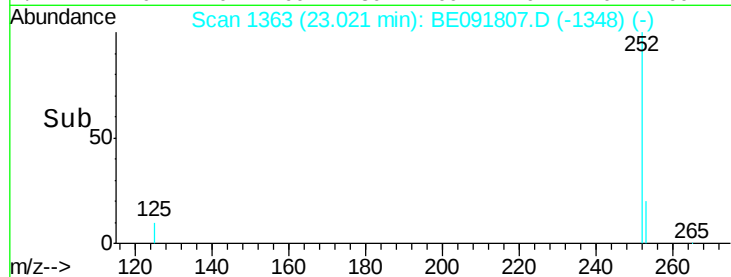
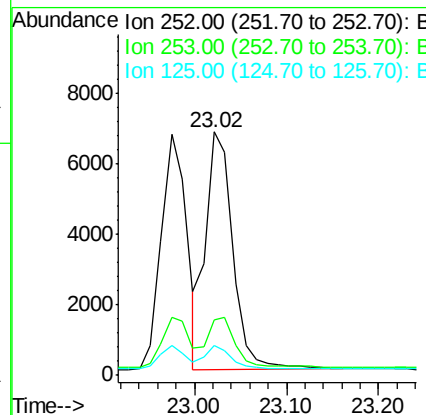
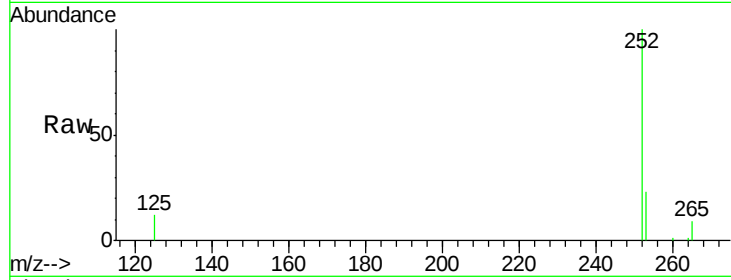
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13763 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.7  | 17.6  | 26.4  |
| 125       | 12.0  | 9.9   | 14.9  |

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#38

Benzo(a)pyrene

Concen: 0.23 ng

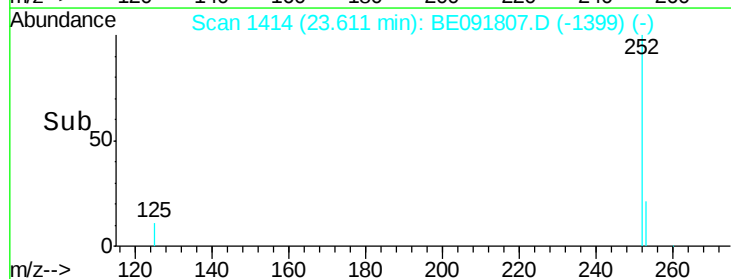
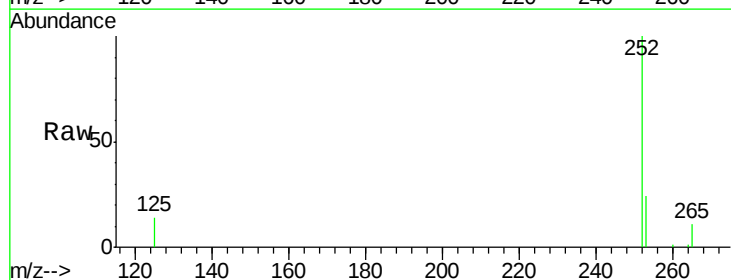
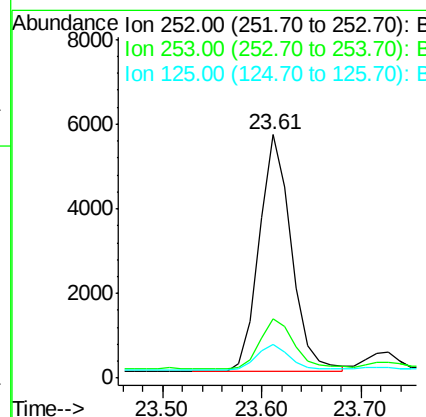
RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12591 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.5  | 18.1  | 27.1  |
| 125       | 13.8  | 11.0  | 16.4  |





#39

Dibenzo(a,h)anthracene

Concen: 0.24 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091807.D

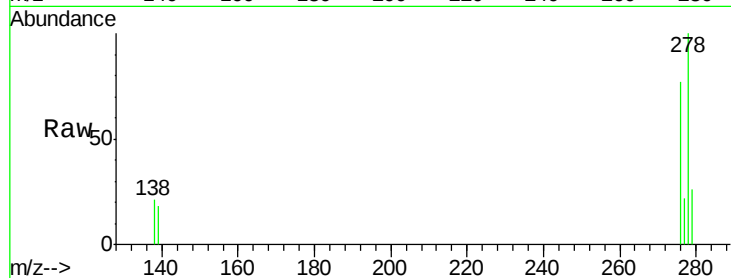
Acq: 19 May 2016 13:12

Instrument :

BNA\_E

ClientSampleId :

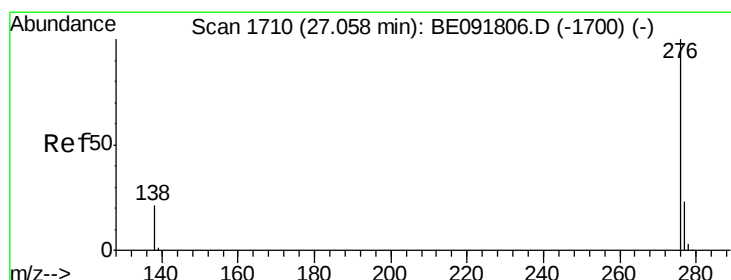
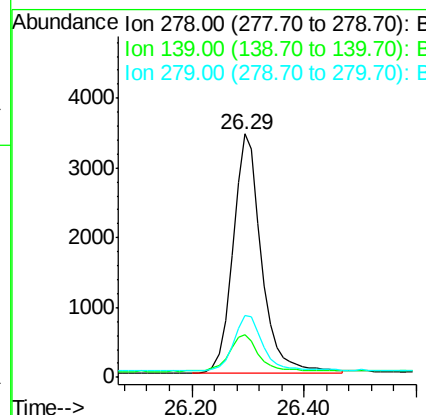
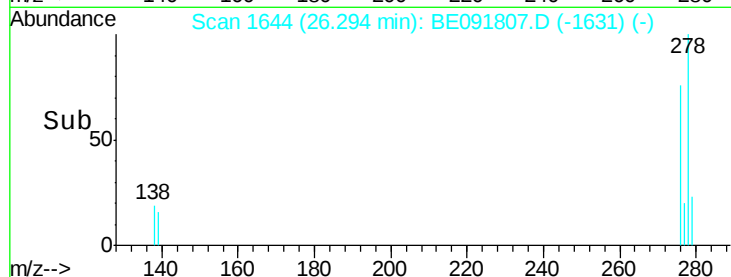
SSTDICC0.2



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 12292 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 17.7  | 16.0  | 24.0  |
| 279       | 25.6  | 19.4  | 29.2  |

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#40

Benzo(g,h,i)perylene

Concen: 0.25 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091807.D

Acq: 19 May 2016 13:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13016 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.9  | 18.6  | 28.0  |
| 138       | 22.2  | 20.4  | 30.6  |

