

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062315\  
 Data File : BE089930.D  
 Acq On : 24 Jun 2015 00:59  
 Operator : TP/IZ  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Manual Integrations  
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 6/25/2015 4:54:43 PM

Quant Time: Jun 24 13:46:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 24 09:11:03 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 27392    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.39 | 136  | 121739   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.25 | 164  | 75046    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 16.98 | 188  | 189359   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.14 | 240  | 202846   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.47 | 264  | 176157   | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |      |      |    |      |
|--------------------------|-------|-----|------|------|----|------|
| 4) 2-Fluorophenol        | 5.26  | 112 | 553  | 0.09 | ng | 0.00 |
| 5) Phenol-d6             | 6.81  | 99  | 833  | 0.10 | ng | 0.00 |
| 7) Nitrobenzene-d5       | 8.77  | 82  | 1071 | 0.11 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.74 | 330 | 110  | 0.05 | ng | 0.00 |
| 14) 2-Fluorobiphenyl     | 12.87 | 172 | 2755 | 0.11 | ng | 0.00 |
| 27) Terphenyl-d14        | 19.60 | 244 | 4141 | 0.14 | ng | 0.00 |

## Target Compounds

|                               |       |     |       |      |    | Qvalue |
|-------------------------------|-------|-----|-------|------|----|--------|
| 2) 1,4-Dioxane                | 3.26  | 88  | 527   | 0.17 | ng | 90     |
| 3) n-Nitrosodimethylamine     | 3.55  | 42  | 559   | 0.12 | ng | # 94   |
| 8) Nitrobenzene               | 8.82  | 77  | 1127  | 0.11 | ng | 99     |
| 9) Naphthalene                | 10.44 | 128 | 3397  | 0.12 | ng | 96     |
| 10) Hexachlorobutadiene       | 10.74 | 225 | 539   | 0.11 | ng | 95     |
| 11) 2-Methylnaphthalene       | 12.05 | 142 | 2258  | 0.12 | ng | 95     |
| 15) Acenaphthylene            | 13.96 | 152 | 15812 | 0.34 | ng | 99     |
| 16) Acenaphthene              | 14.30 | 154 | 2359  | 0.11 | ng | 94     |
| 17) Fluorene                  | 15.29 | 166 | 3499  | 0.18 | ng | 97     |
| 19) 4-Bromophenyl-phenylether | 16.20 | 248 | 962   | 0.12 | ng | 99     |
| 20) Hexachlorobenzene         | 16.30 | 284 | 4315  | 0.48 | ng | 99     |
| 22) Phenanthrene              | 17.03 | 178 | 5966  | 0.10 | ng | 98     |
| 23) Anthracene                | 17.12 | 178 | 5212  | 0.18 | ng | 99     |
| 24) Fluoranthene              | 19.02 | 202 | 5993  | 0.14 | ng | 100    |
| 26) Pyrene                    | 19.38 | 202 | 6128  | 0.09 | ng | 100    |
| 28) Benzo(a)anthracene        | 21.12 | 228 | 6050  | 0.10 | ng | 99     |
| 29) Chrysene                  | 21.17 | 228 | 6622  | 0.11 | ng | 98     |
| 31) Indeno(1,2,3-cd)pyrene    | 25.89 | 276 | 3761  | 0.06 | ng | # 100  |
| 33) Benzo(b)fluoranthene      | 22.76 | 252 | 3849  | 0.07 | ng | # 92   |
| 34) Benzo(k)fluoranthene      | 22.81 | 252 | 4567  | 0.09 | ng | # 94   |
| 35) Benzo(a)pyrene            | 23.36 | 252 | 3417  | 0.07 | ng | # 91   |
| 36) Dibenzo(a,h)anthracene    | 25.91 | 278 | 2987  | 0.07 | ng | 92     |
| 37) Benzo(g,h,i)perylene      | 26.62 | 276 | 3455  | 0.07 | ng | 93     |

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

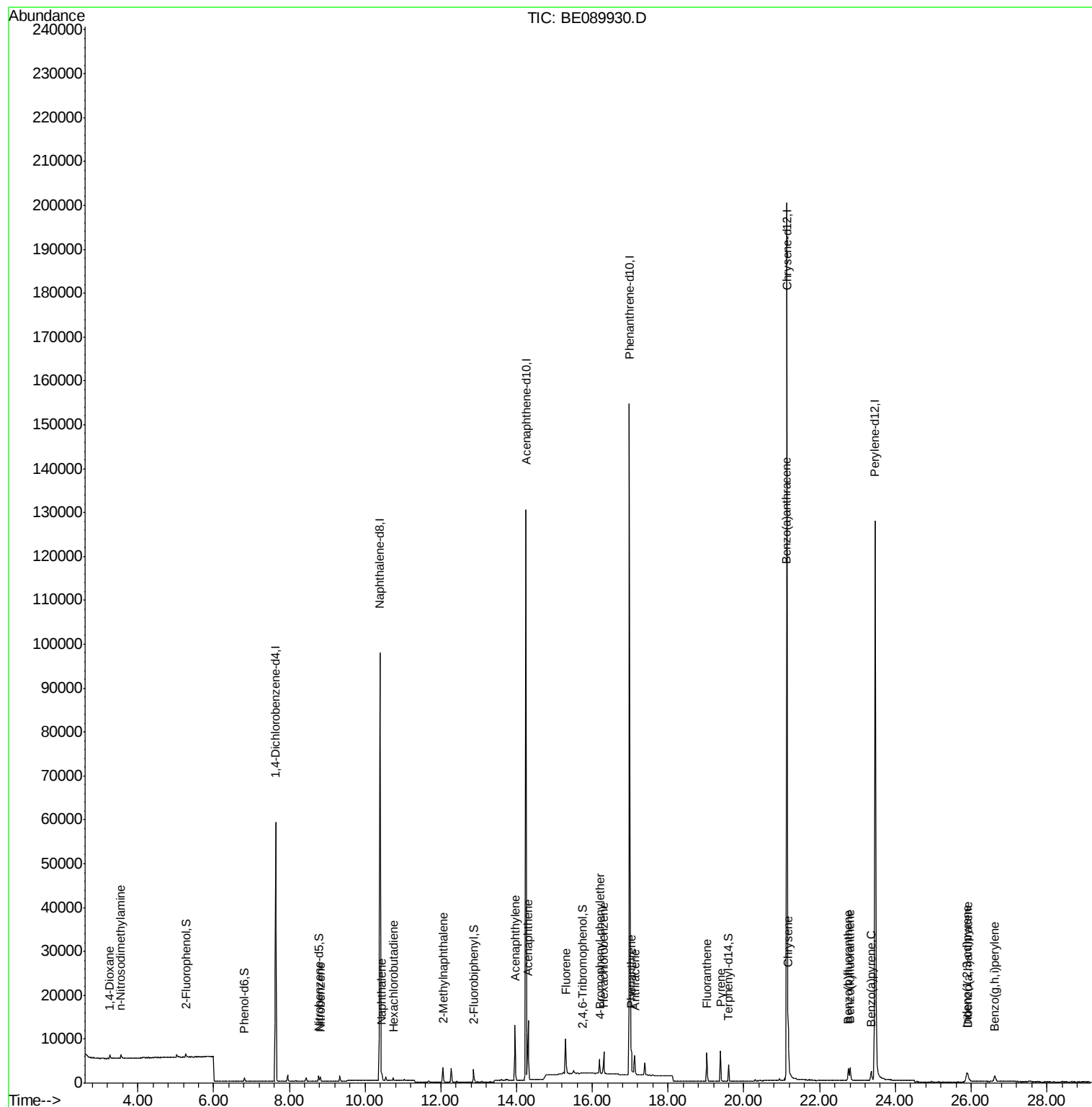
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062315\  
Data File : BE089930.D  
Acq On : 24 Jun 2015 00:59  
Operator : TP/IZ  
Sample : SSTDICC0.1  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

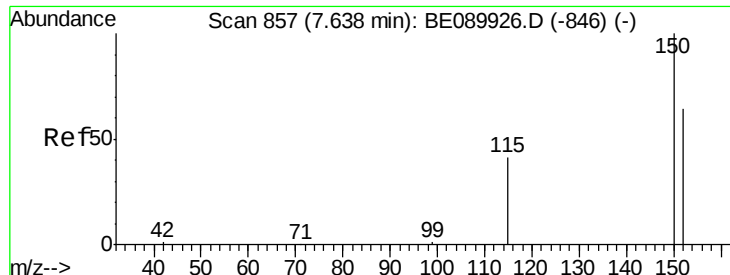
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.1

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Quant Time: Jun 24 13:46:29 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BE062315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 24 09:11:03 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.64 min Scan# 857

Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

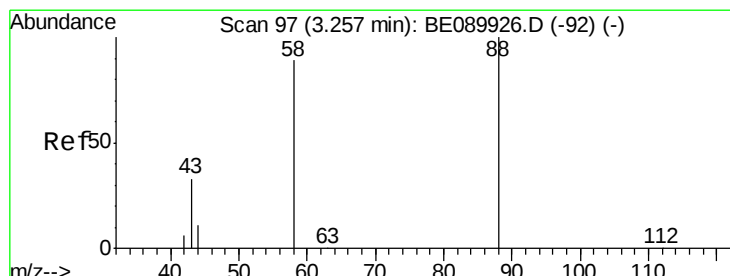
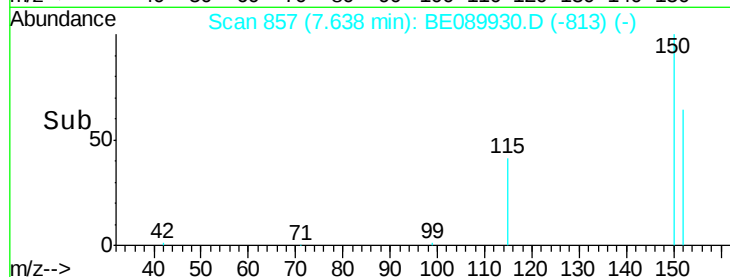
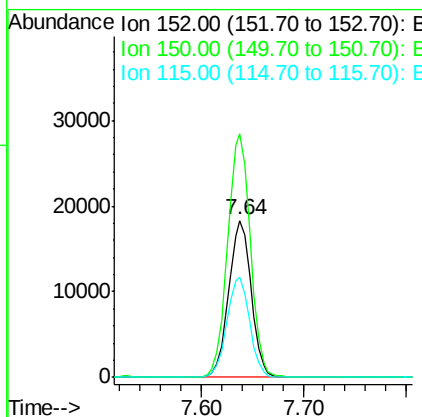
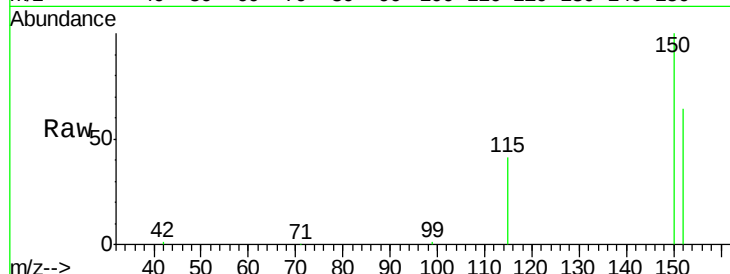
ClientSampleId :

SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 124.6 | 186.8 |
| 115     | 63.9  | 51.6  | 77.4  |

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#2

1,4-Dioxane

Concen: 0.17 ng

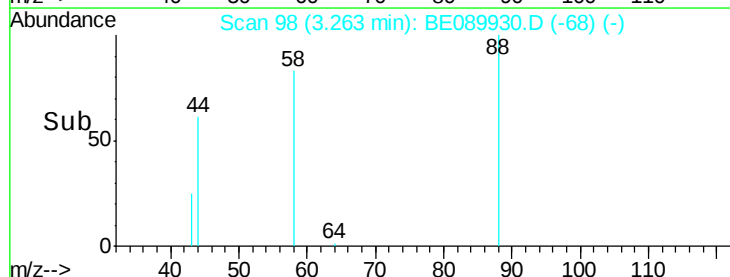
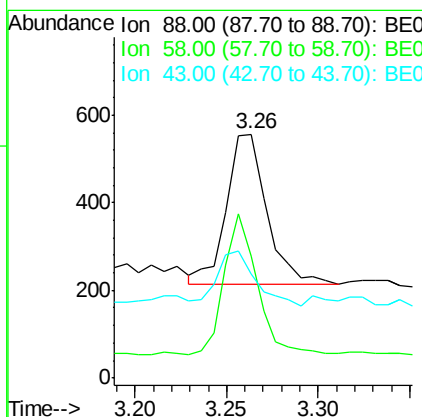
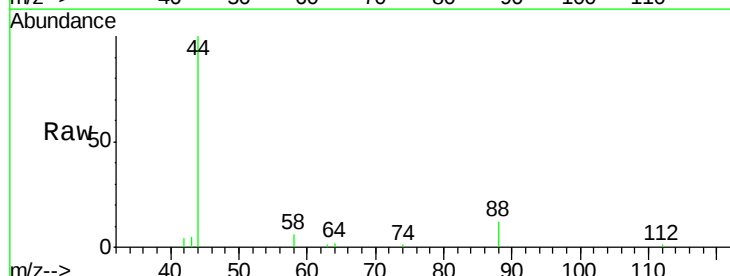
RT: 3.26 min Scan# 98

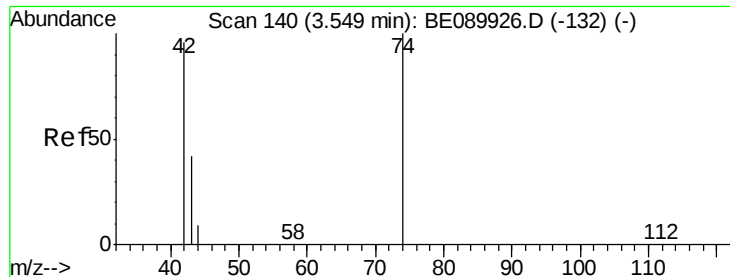
Delta R.T. 0.01 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 75.5  | 70.8  | 106.2 |
| 43      | 34.3  | 26.8  | 40.2  |





#3

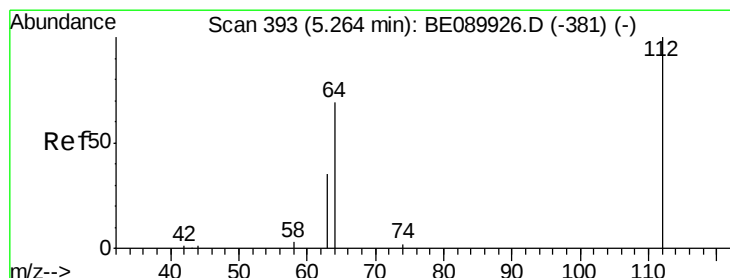
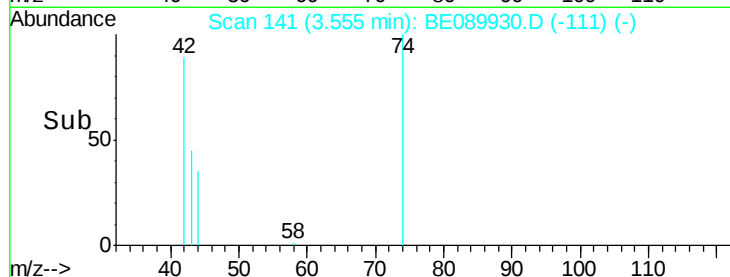
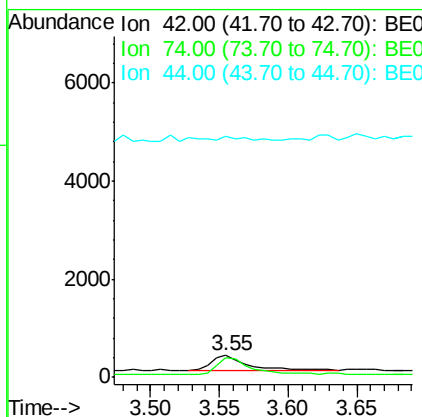
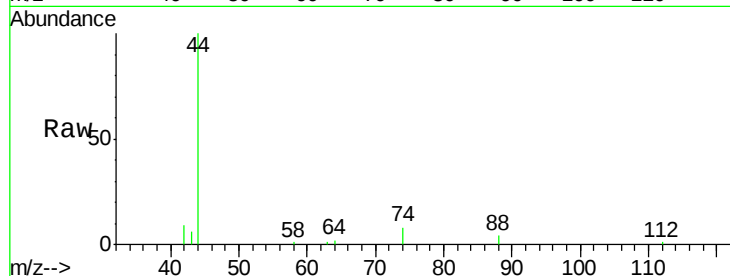
n-Nitrosodimethylamine  
 Concen: 0.12 ng  
 RT: 3.55 min Scan# 141  
 Delta R.T. 0.01 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Tgt Ion: 42 Resp: 559  
 Ion Ratio Lower Upper  
 42 100  
 74 111.3 85.4 128.2  
 44 17.4 8.4 12.6#

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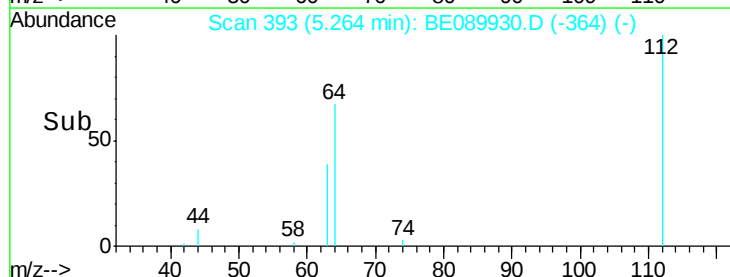
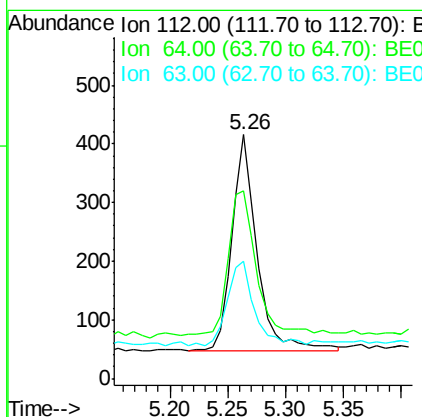
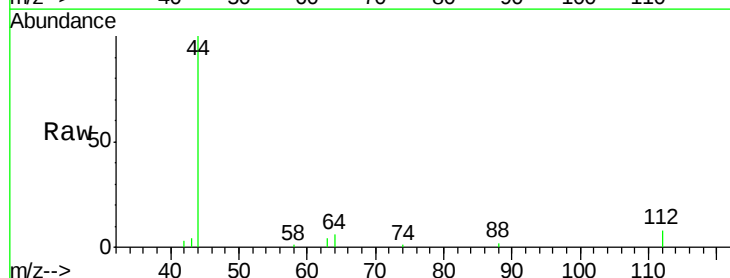
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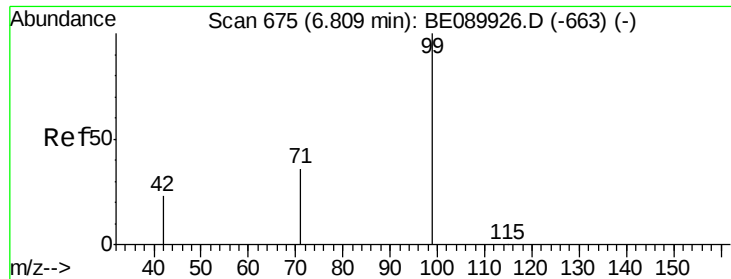


#4

2-Fluorophenol  
 Concen: 0.09 ng  
 RT: 5.26 min Scan# 393  
 Delta R.T. -0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Tgt Ion: 112 Resp: 553  
 Ion Ratio Lower Upper  
 112 100  
 64 75.6 57.4 86.2  
 63 42.3 31.2 46.8





#5

Phenol-d6

Concen: 0.10 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

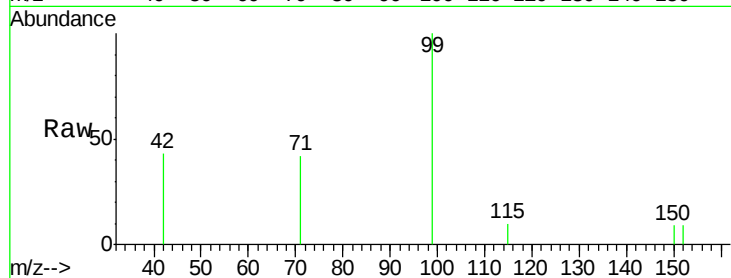
ClientSampleId :

SSTDICC0.1

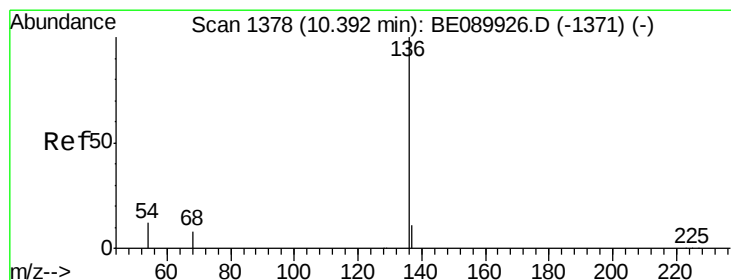
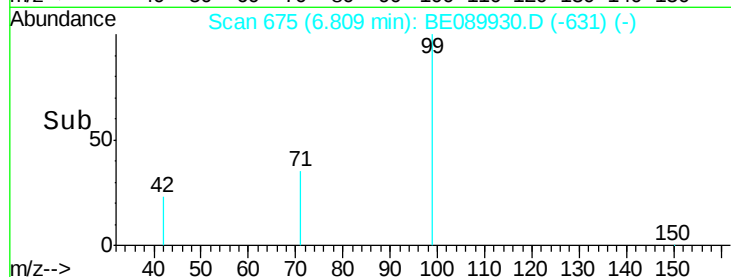
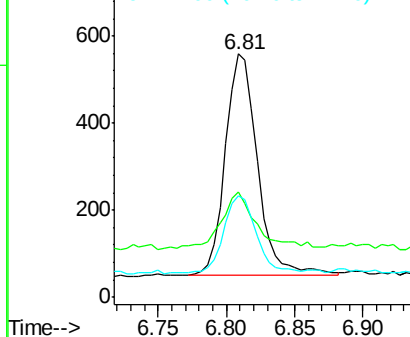
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 833   |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 31.7  | 19.5  | 29.3# |
| 71        | 34.9  | 27.8  | 41.6  |

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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

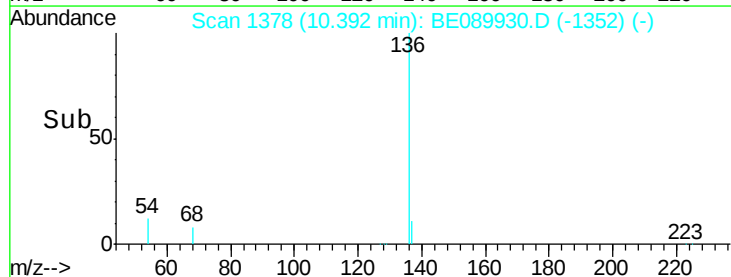
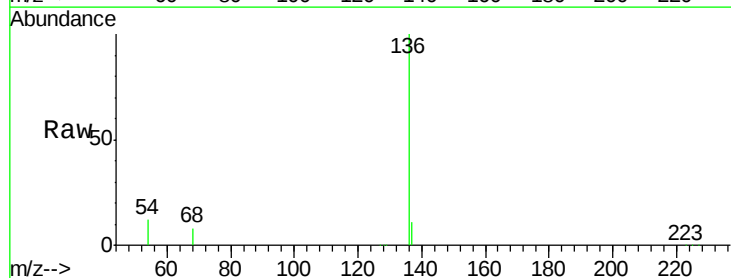
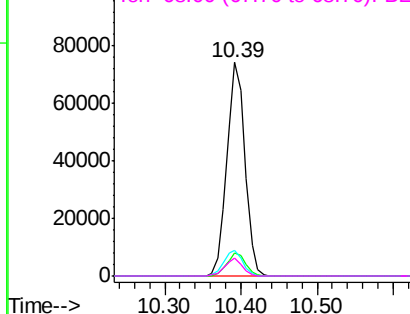
Delta R.T. -0.00 min

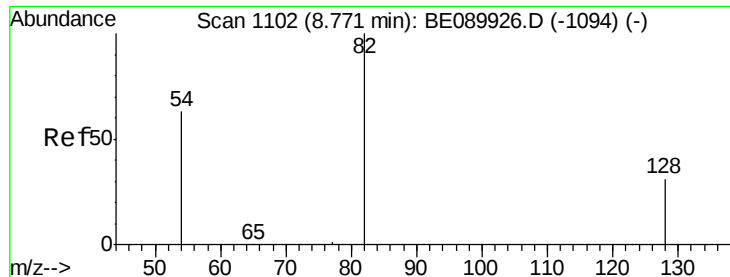
Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 121739 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.7   | 13.1   |
| 54        | 12.2  | 9.7   | 14.5   |
| 68        | 8.3   | 6.5   | 9.7    |

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





#7

Nitrobenzene-d5

Concen: 0.11 ng

RT: 8.77 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

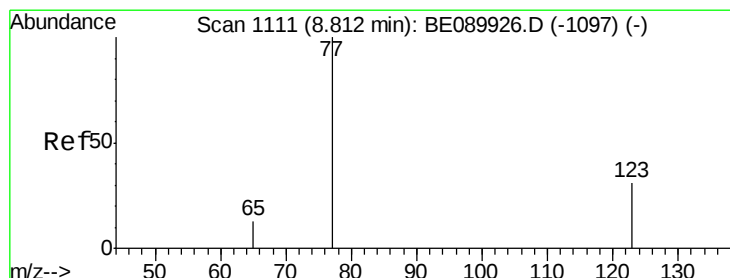
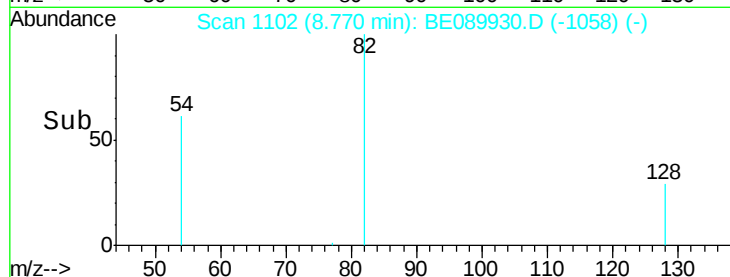
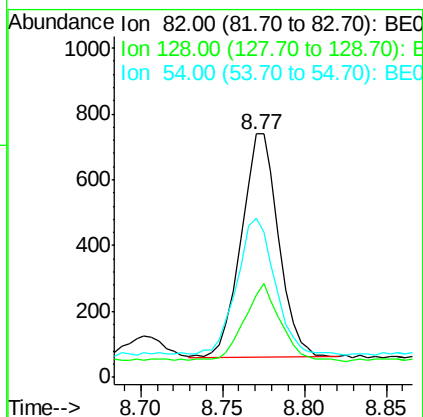
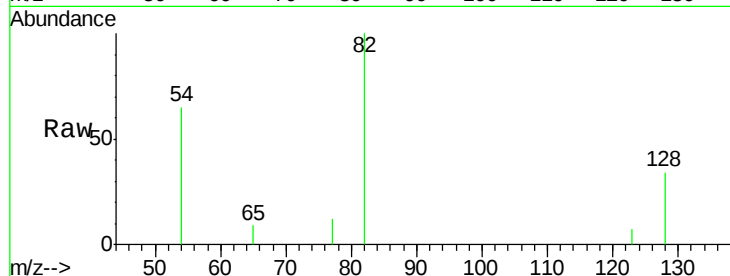
ClientSampled :

SSTDIC0.1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1071  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 34.1  | 25.6  | 38.4  |
| 54       | 65.4  | 51.2  | 76.8  |

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#8

Nitrobenzene

Concen: 0.11 ng

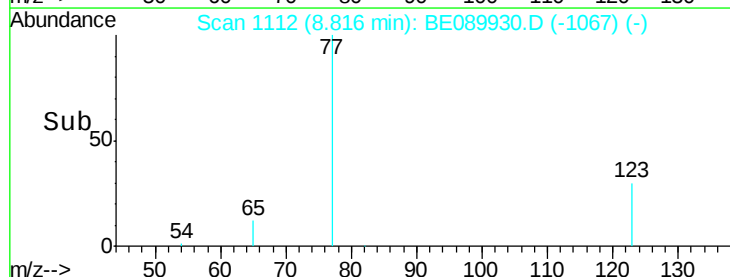
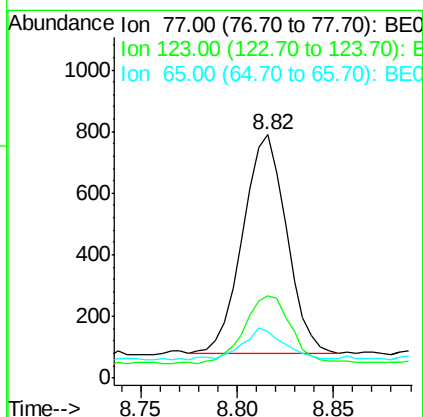
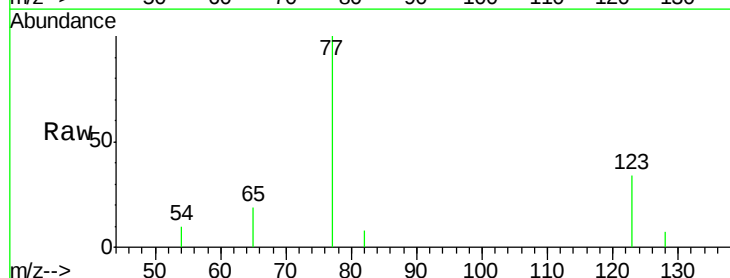
RT: 8.82 min Scan# 1112

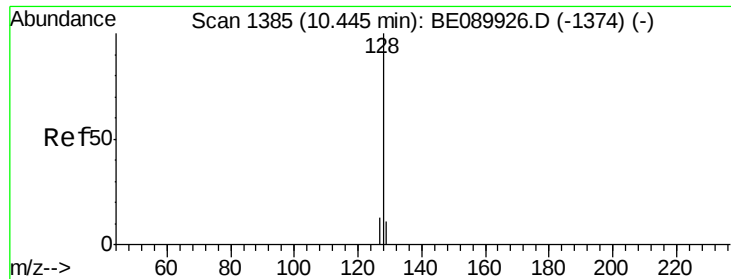
Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 1127  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 33.1  | 26.6  | 39.8  |
| 65       | 14.6  | 10.2  | 15.4  |





#9

Naphthalene

Concen: 0.12 ng

RT: 10.44 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE089930.D

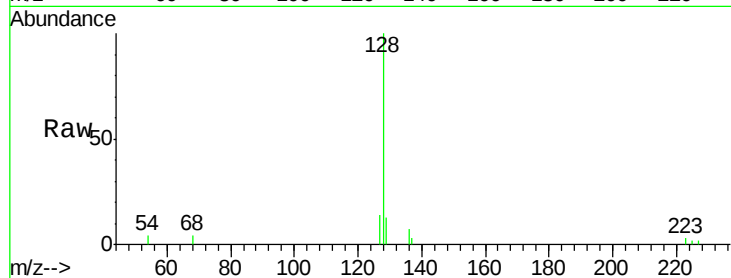
Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

ClientSampleId :

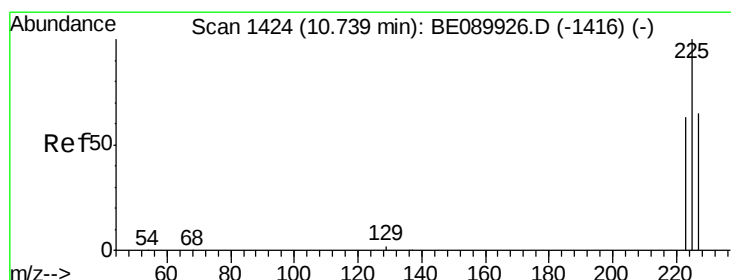
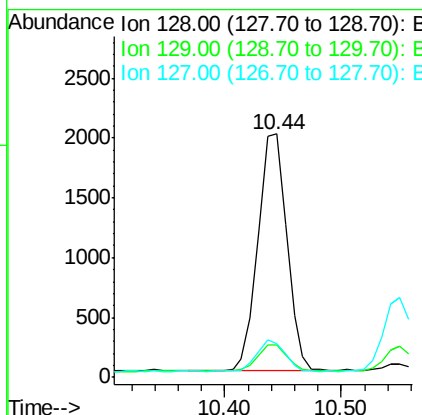
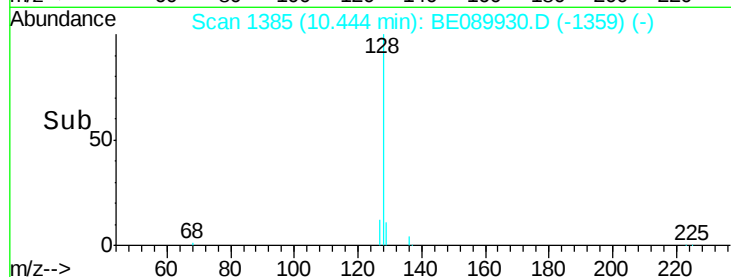
SSTDICC0.1



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3397 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 13.3  | 8.9   | 13.3 |
| 127       | 13.7  | 10.2  | 15.4 |

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#10

Hexachlorobutadiene

Concen: 0.11 ng

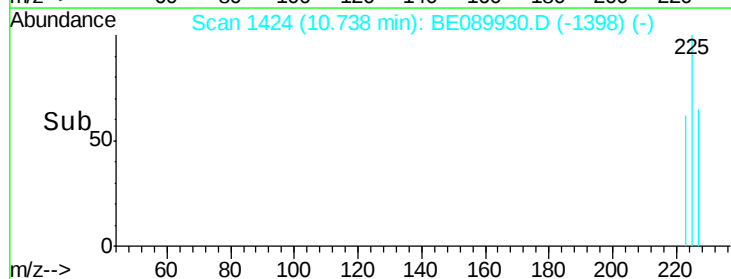
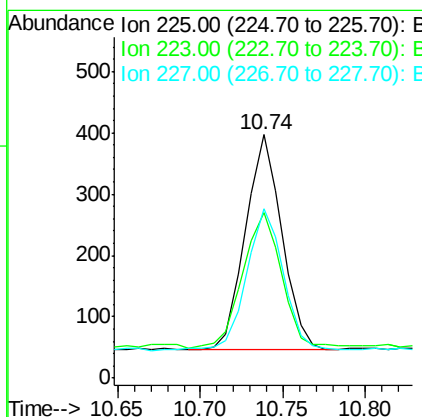
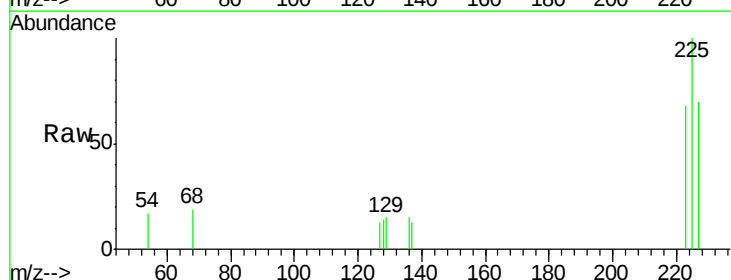
RT: 10.74 min Scan# 1424

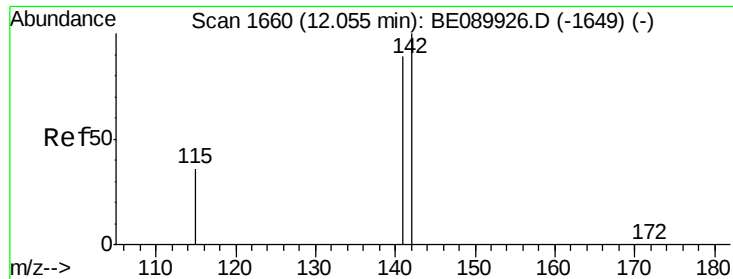
Delta R.T. -0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 539  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 67.3  | 50.0  | 75.0 |
| 227       | 67.0  | 50.7  | 76.1 |





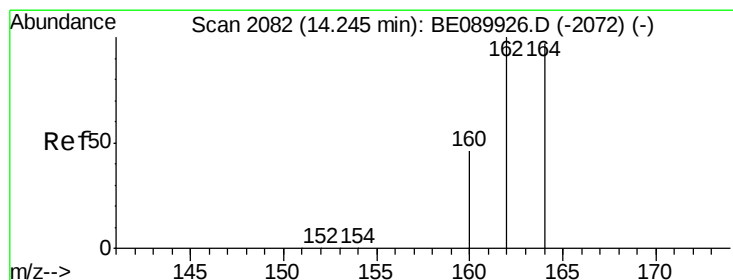
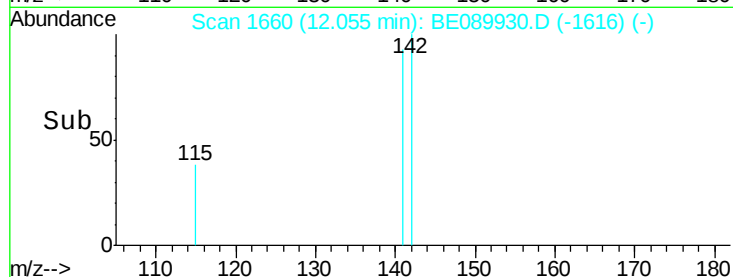
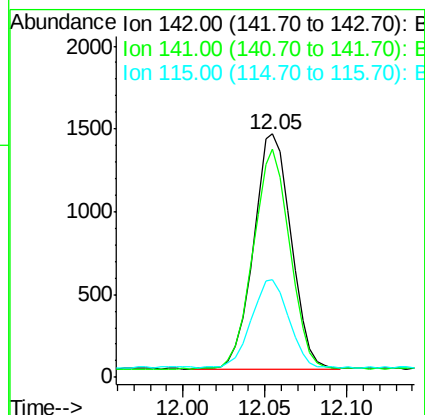
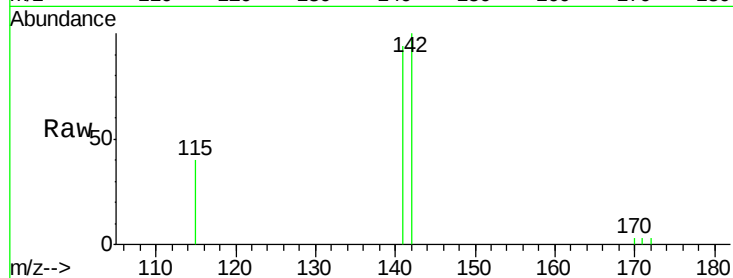
#11  
2-Methylnaphthalene  
Concen: 0.12 ng  
RT: 12.05 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.6  | 71.1  | 106.7 |
| 115     | 40.3  | 29.1  | 43.7  |

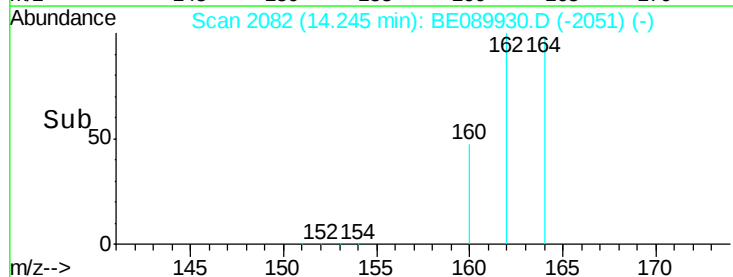
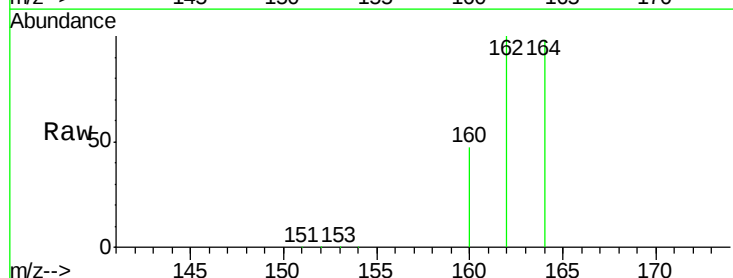
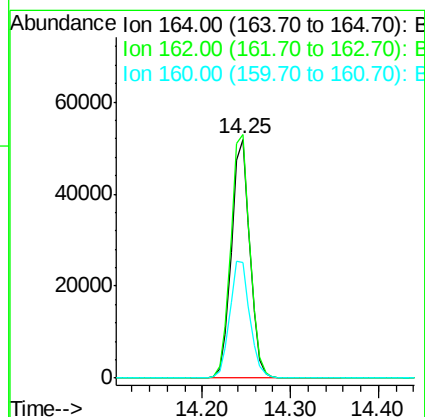
Manual Integrations  
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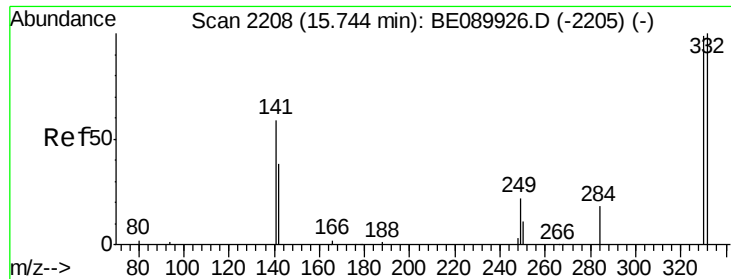
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#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.25 min Scan# 2082  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 82.7  | 124.1 |
| 160     | 48.2  | 38.3  | 57.5  |





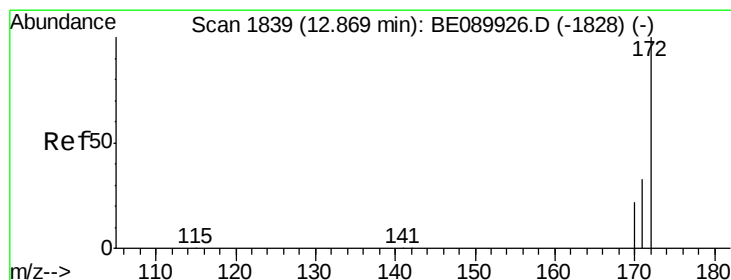
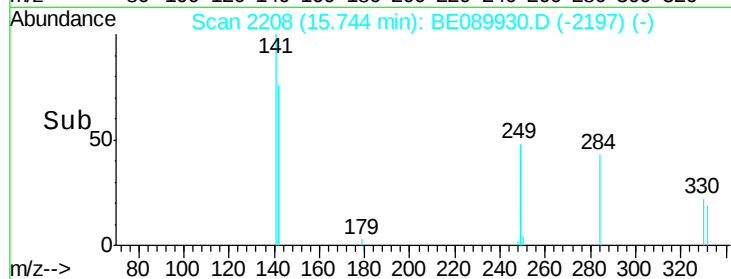
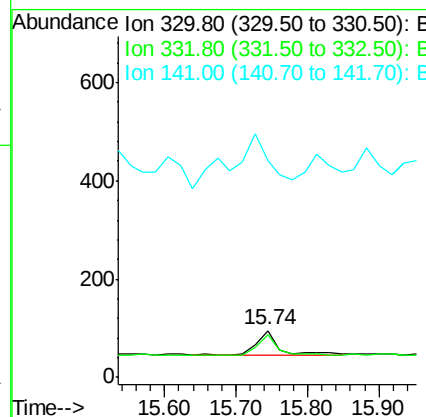
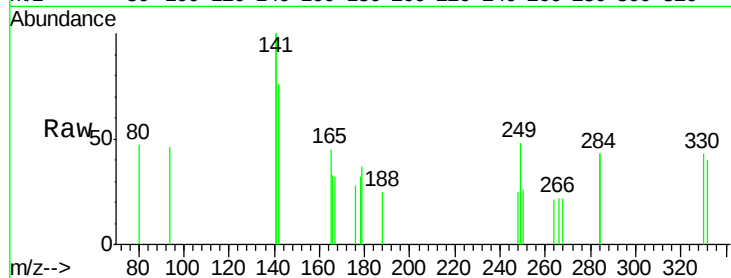
#13  
 2,4,6-Tribromophenol  
 Concen: 0.05 ng  
 RT: 15.74 min Scan# 2208  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 72.7  | 77.9  | 116.9# |
| 141     | 385.5 | 142.8 | 214.2# |

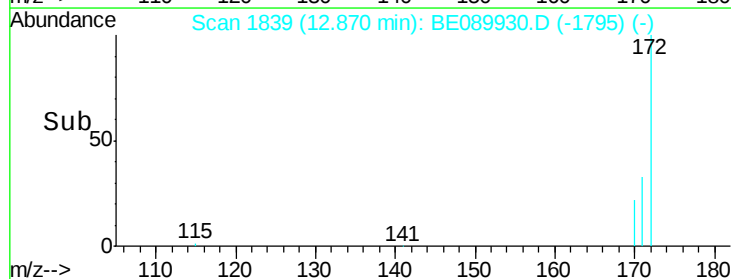
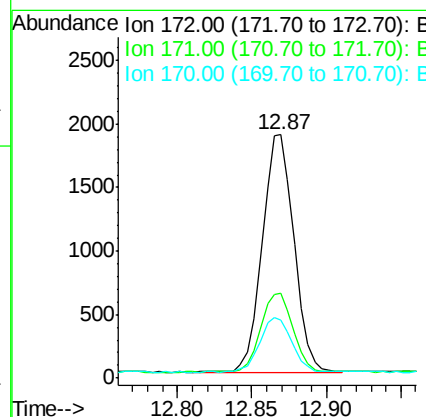
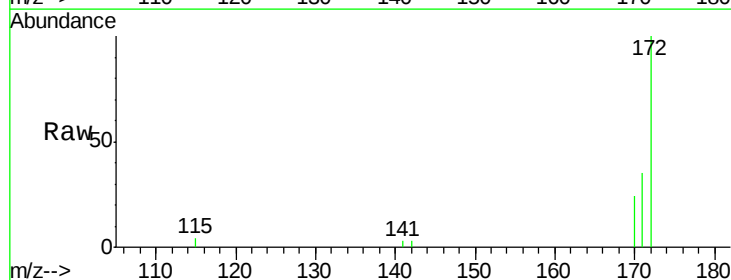
Manual Integrations  
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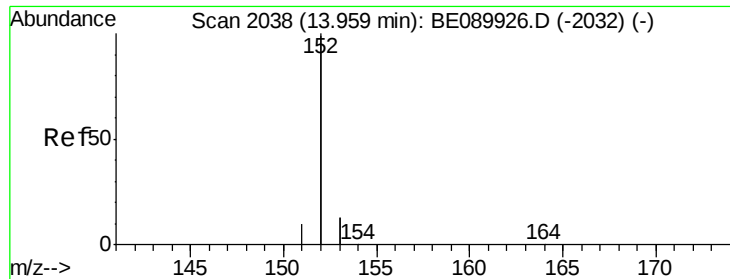
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#14  
 2-Fluorobiphenyl  
 Concen: 0.11 ng  
 RT: 12.87 min Scan# 1839  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 26.7  | 40.1  |
| 170     | 23.7  | 17.5  | 26.3  |





#15

Acenaphthylene

Concen: 0.34 ng

RT: 13.96 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

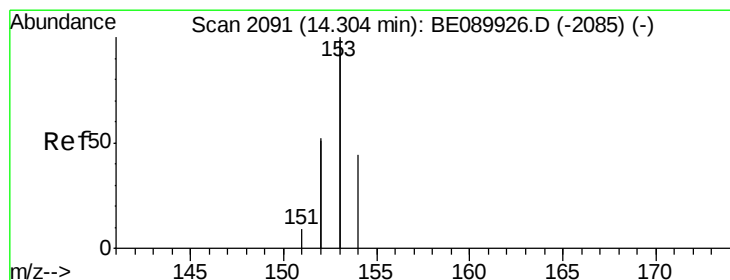
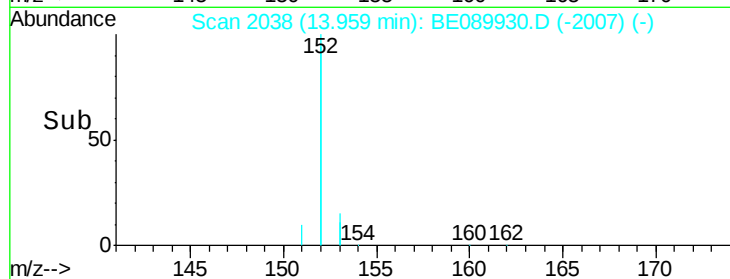
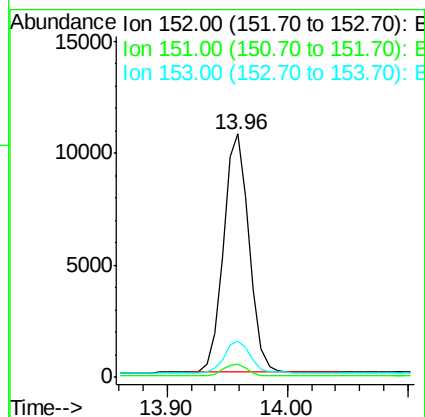
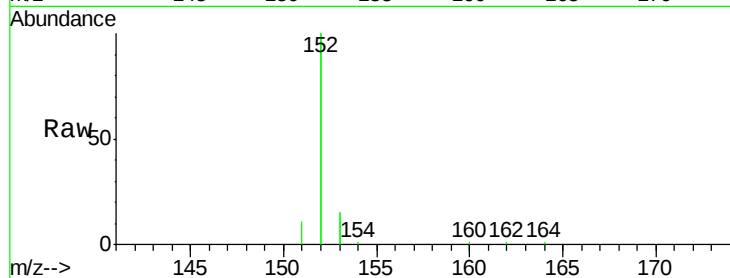
ClientSampleId :

SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 5.1   | 3.9   | 5.9   |
| 153     | 13.4  | 10.4  | 15.6  |

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#16

Acenaphthene

Concen: 0.11 ng

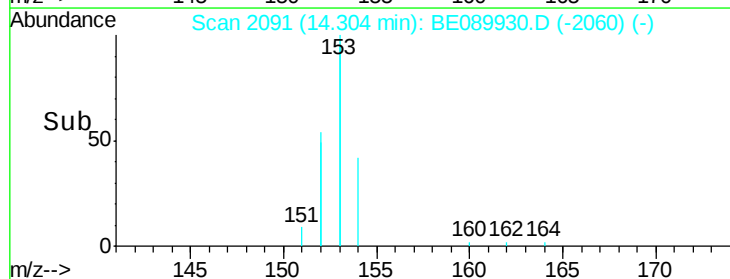
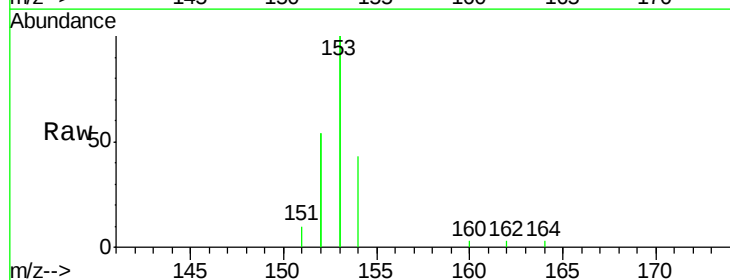
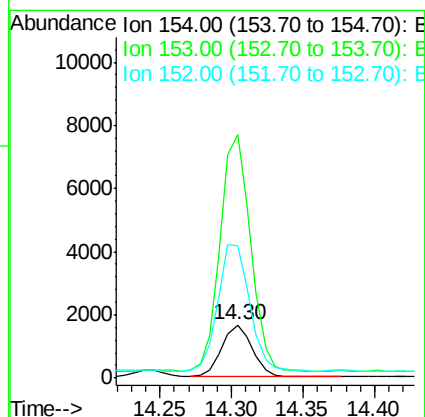
RT: 14.30 min Scan# 2091

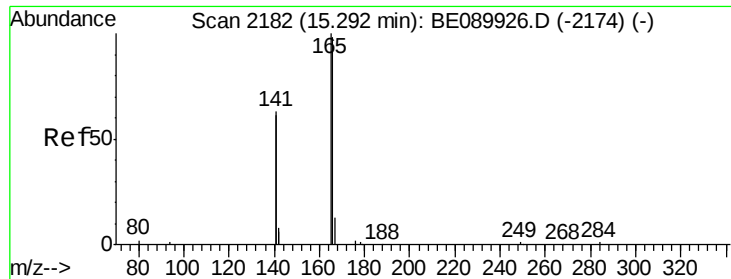
Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 465.2 | 362.8 | 544.2 |
| 152     | 259.2 | 194.6 | 291.8 |





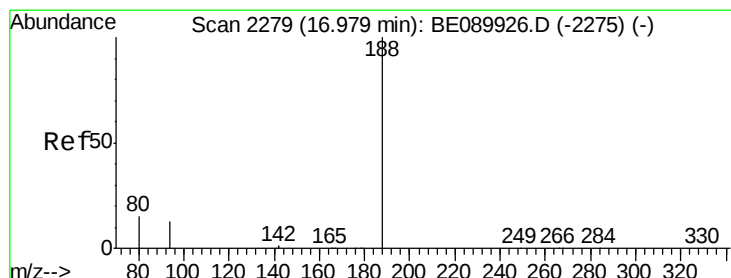
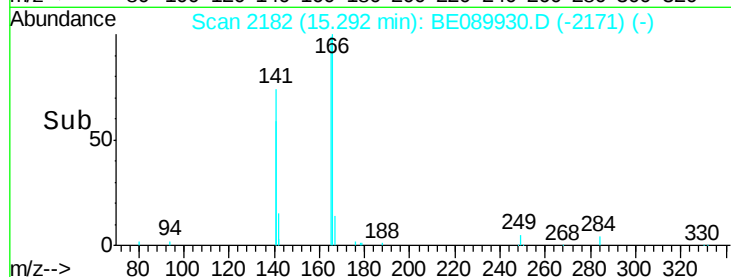
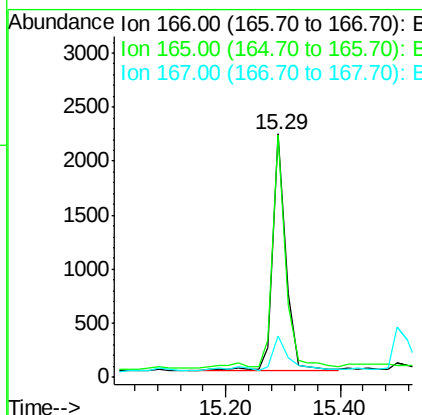
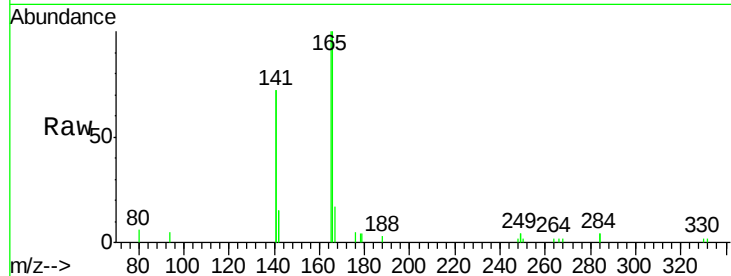
#17  
**Fluorene**  
 Concen: 0.18 ng  
 RT: 15.29 min Scan# 2182  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.8  | 81.1  | 121.7 |
| 167     | 16.8  | 11.8  | 17.8  |

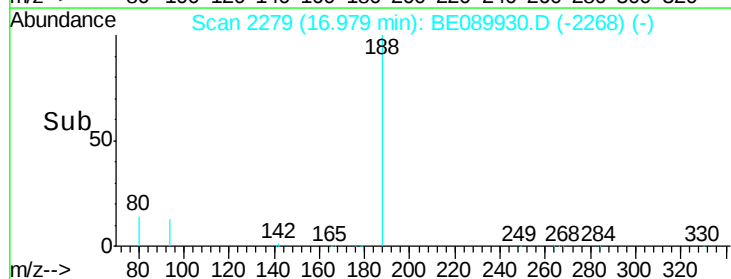
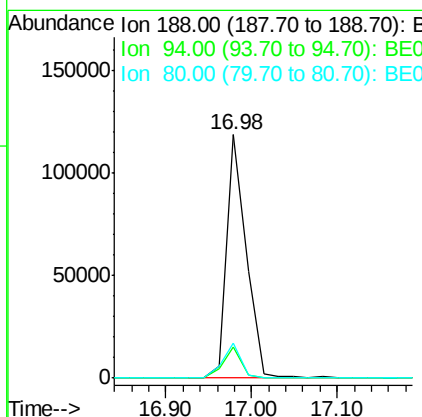
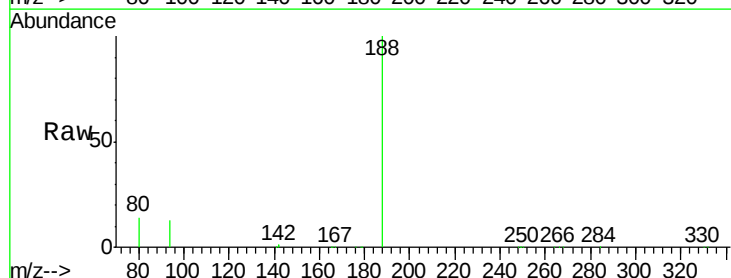
Manual Integrations  
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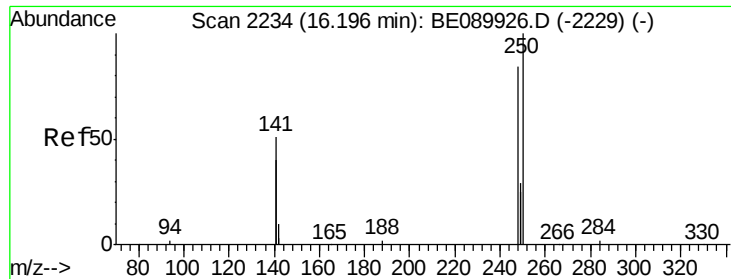
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#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 16.98 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 13.0  | 10.6  | 16.0  |
| 80      | 14.5  | 11.8  | 17.6  |





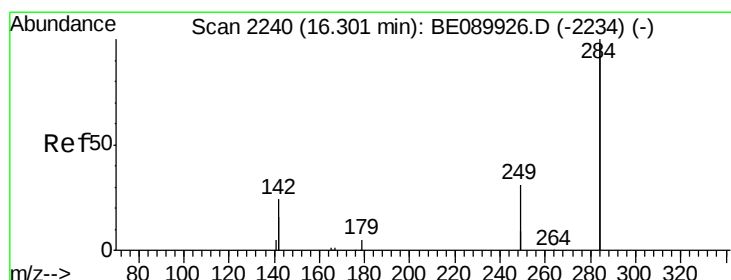
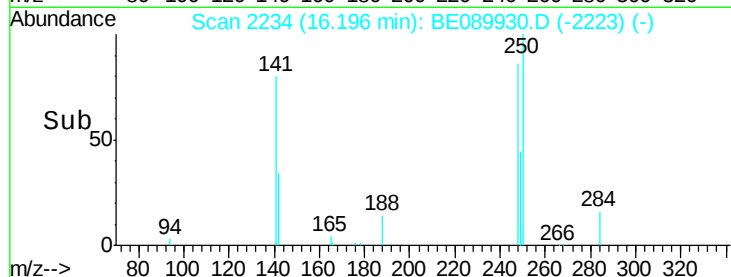
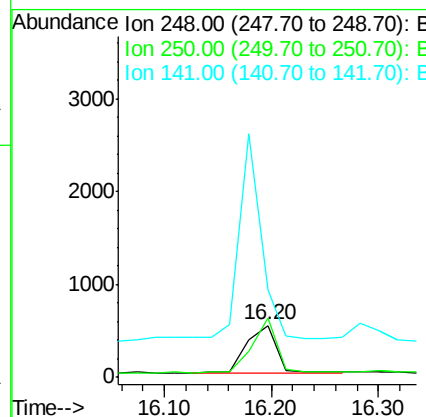
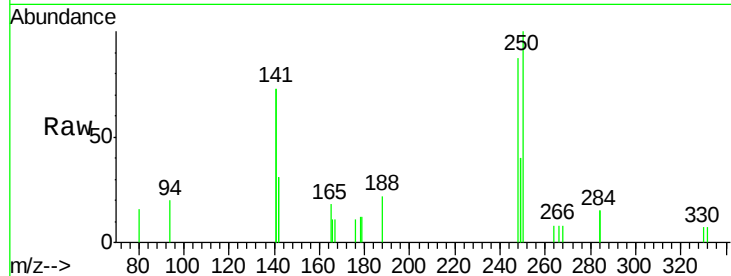
#19  
4-Bromophenyl-phenylether  
Concen: 0.12 ng  
RT: 16.20 min Scan# 2234  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.7  | 79.3  | 118.9 |
| 141     | 342.4 | 274.1 | 411.1 |

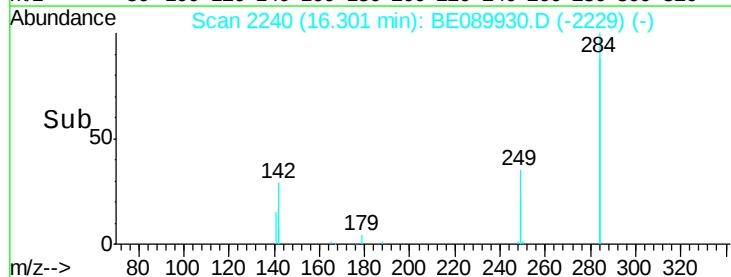
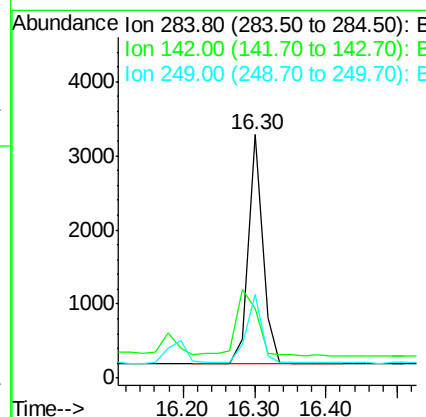
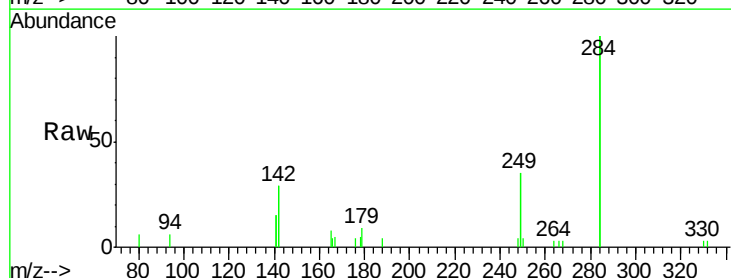
Manual Integrations  
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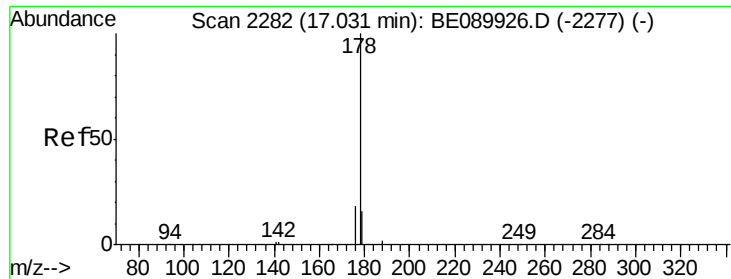
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#20  
Hexachlorobenzene  
Concen: 0.48 ng  
RT: 16.30 min Scan# 2240  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 40.9  | 32.0  | 48.0  |
| 249     | 31.6  | 25.0  | 37.6  |





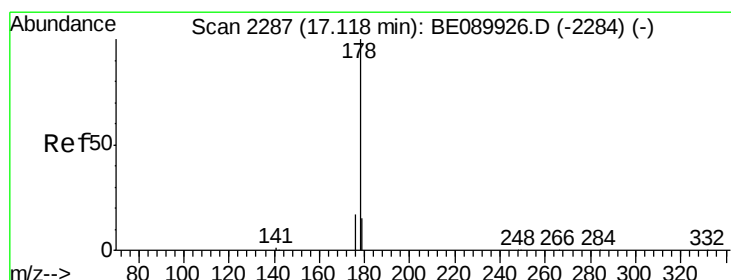
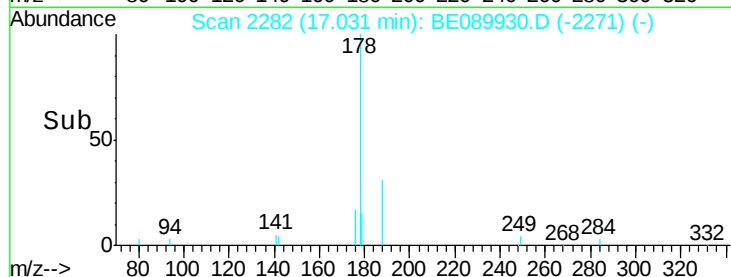
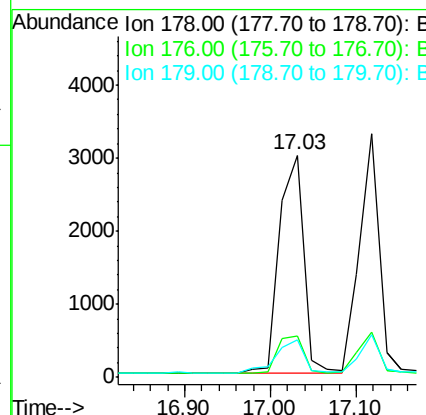
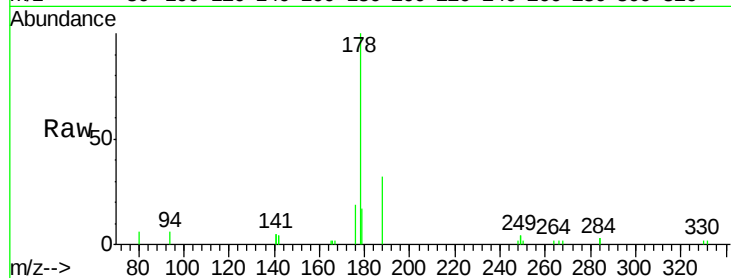
#22  
Phenanthrene  
Concen: 0.10 ng  
RT: 17.03 min Scan# 2282  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.4  | 23.2  |
| 179     | 17.2  | 12.6  | 19.0  |

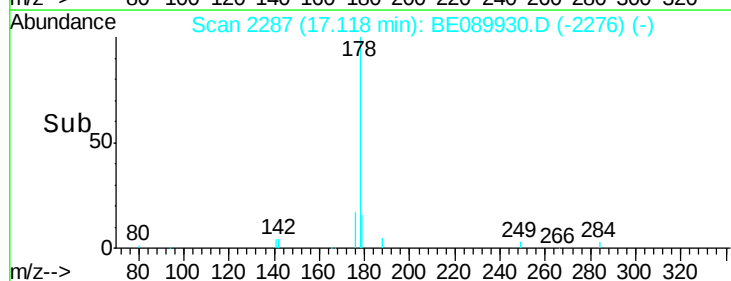
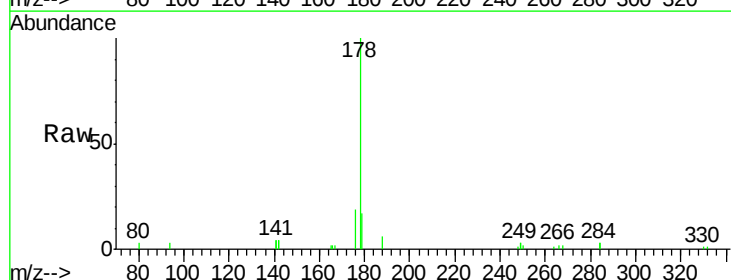
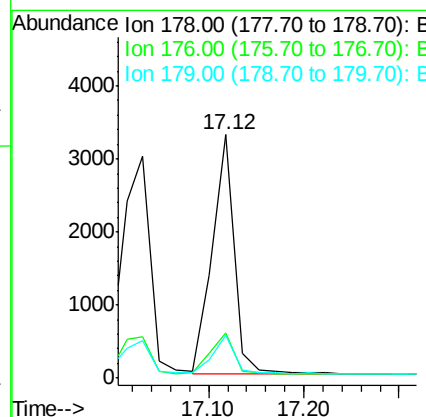
Manual Integrations  
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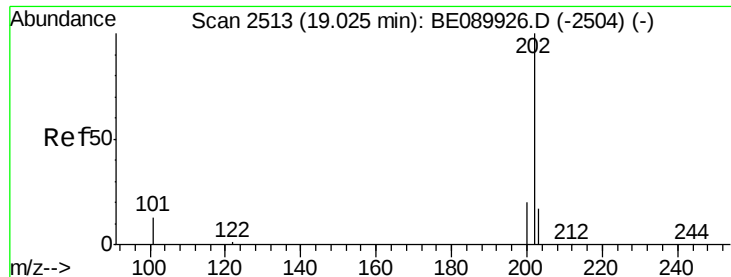
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#23  
Anthracene  
Concen: 0.18 ng  
RT: 17.12 min Scan# 2287  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 14.6  | 21.8  |
| 179     | 15.7  | 12.3  | 18.5  |





#24

Fluoranthene

Concen: 0.14 ng

RT: 19.02 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BE089930.D

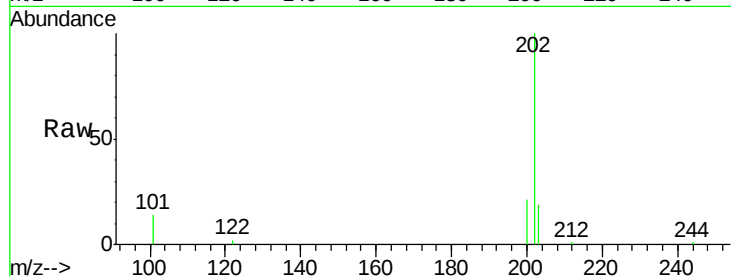
Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

ClientSampleId :

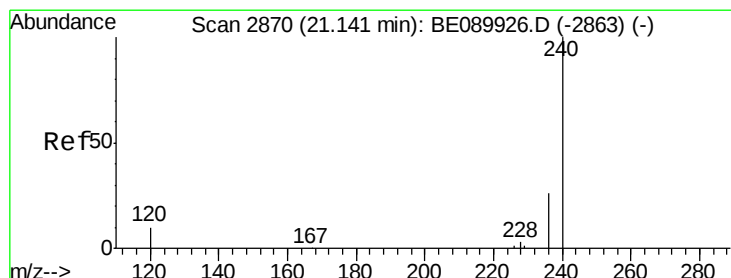
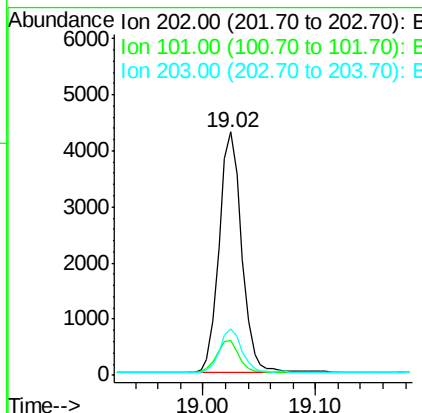
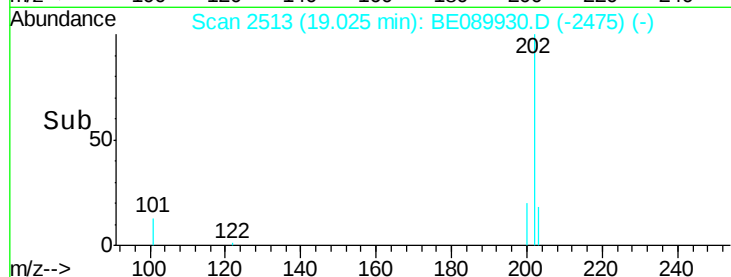
SSTDIC0.1



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.9  | 10.6  | 16.0  |
| 203     | 17.3  | 13.8  | 20.8  |

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#25

Chrysene-d12

Concen: 5.00 ng

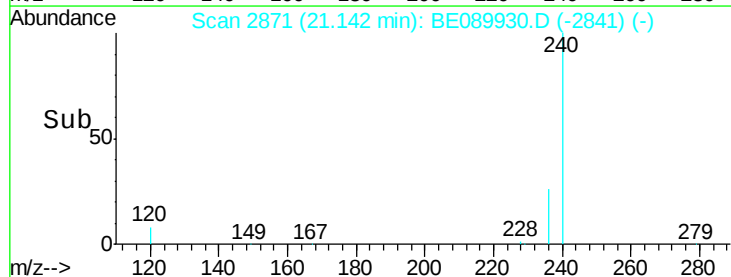
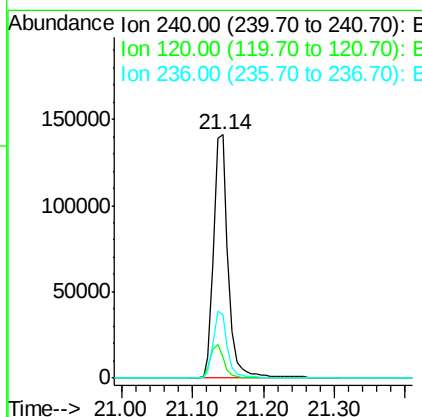
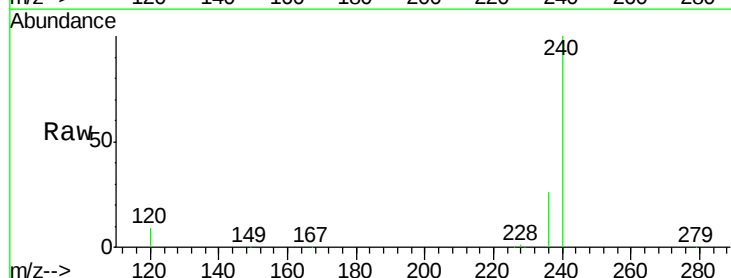
RT: 21.14 min Scan# 2871

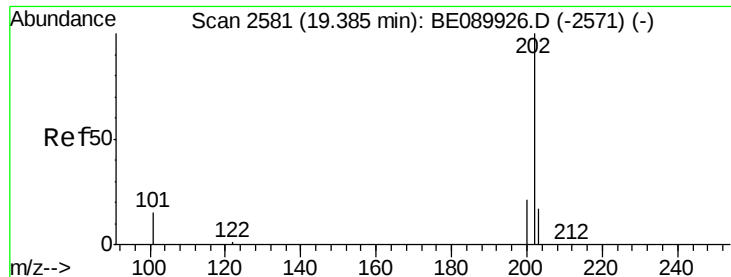
Delta R.T. 0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.6   | 7.9   | 11.9  |
| 236     | 25.8  | 21.2  | 31.8  |





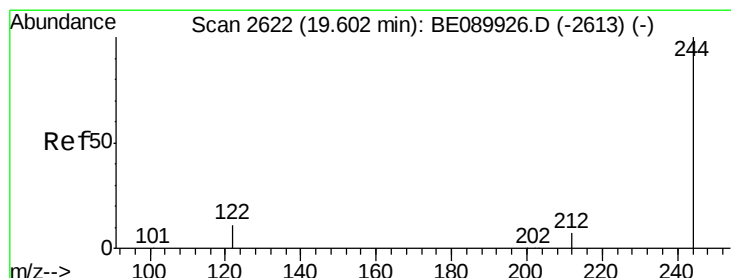
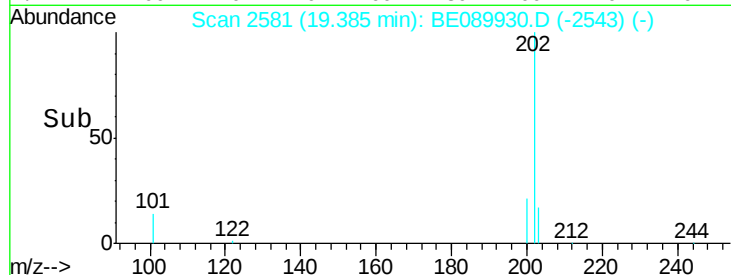
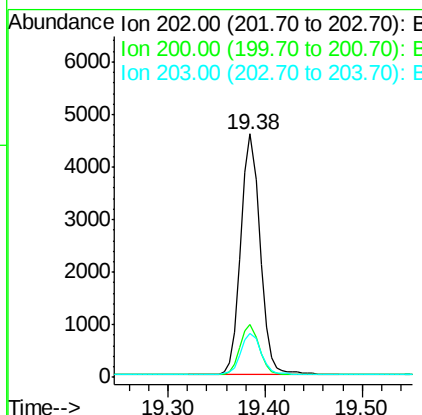
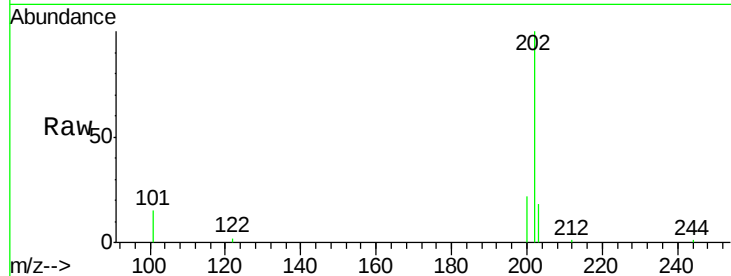
#26  
 Pyrene  
 Concen: 0.09 ng  
 RT: 19.38 min Scan# 2581  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 16.6  | 25.0  |
| 203     | 17.7  | 13.9  | 20.9  |

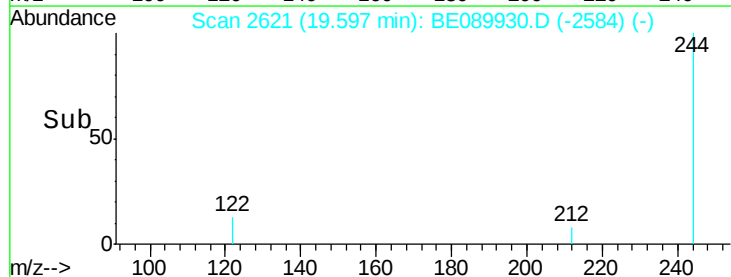
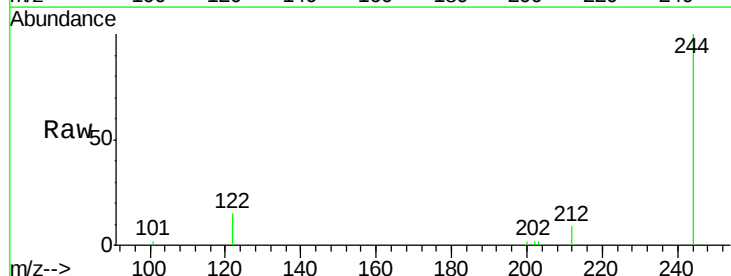
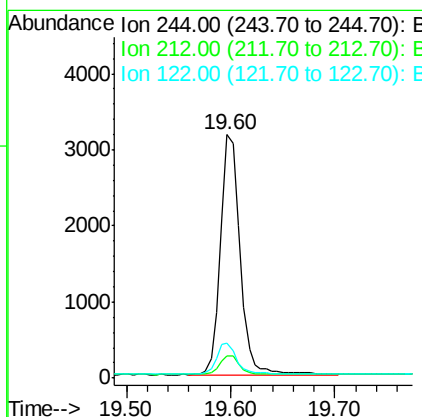
Manual Integrations  
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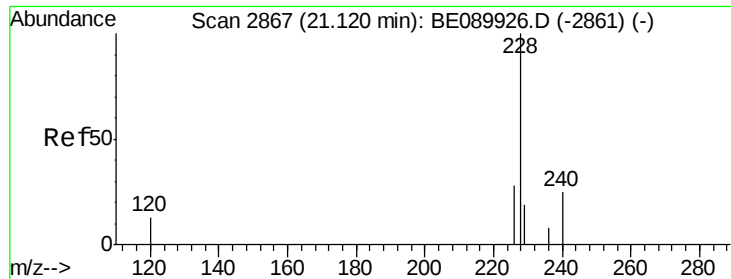
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#27  
 Terphenyl-d14  
 Concen: 0.14 ng  
 RT: 19.60 min Scan# 2621  
 Delta R.T. -0.01 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.1   | 6.1   | 9.1   |
| 122     | 14.6  | 8.7   | 13.1# |





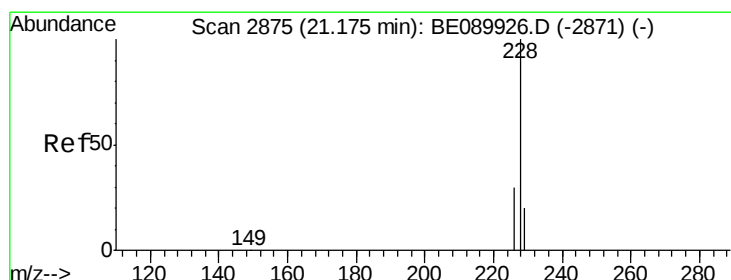
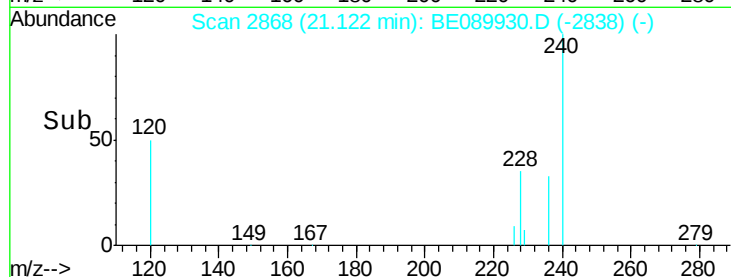
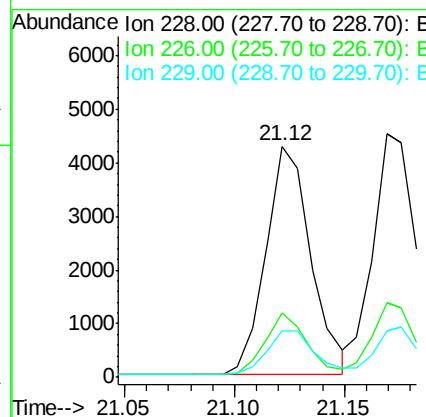
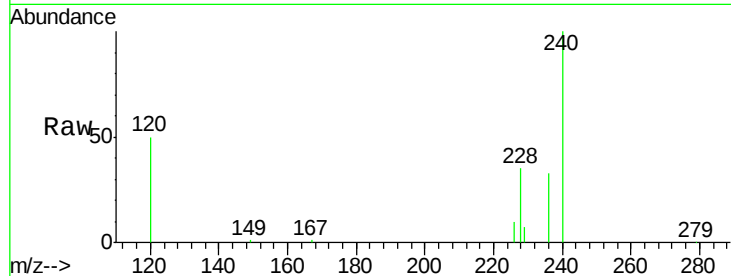
#28  
Benzo(a)anthracene  
Concen: 0.10 ng  
RT: 21.12 min Scan# 2868  
Delta R.T. 0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.2  | 33.4  |
| 229     | 20.1  | 15.3  | 22.9  |

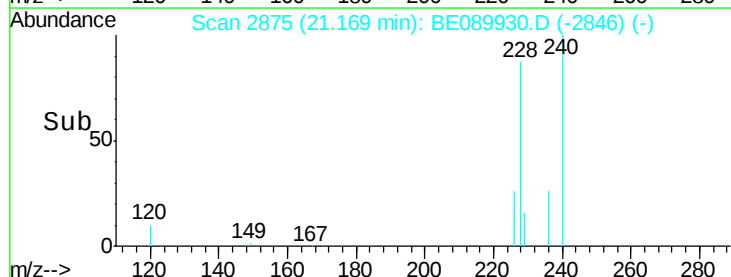
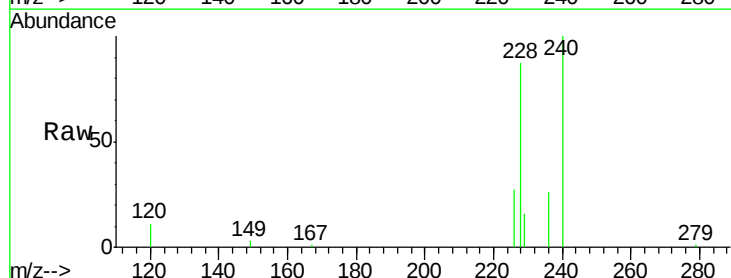
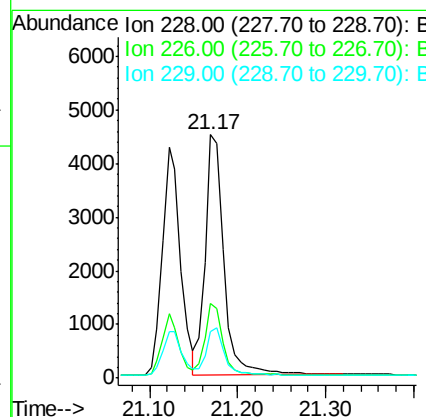
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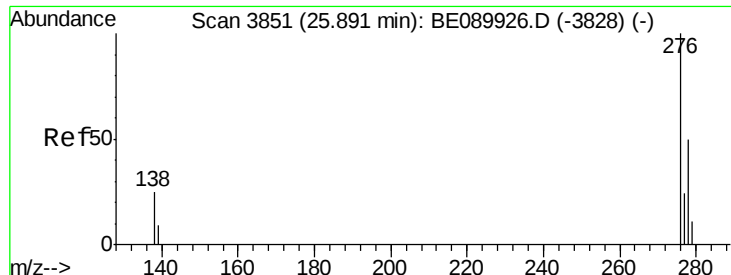
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#29  
Chrysene  
Concen: 0.11 ng  
RT: 21.17 min Scan# 2875  
Delta R.T. -0.01 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.7  | 35.5  |
| 229     | 18.9  | 15.8  | 23.8  |





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.89 min Scan# 3850

Delta R.T. -0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

Instrument :

BNA\_E

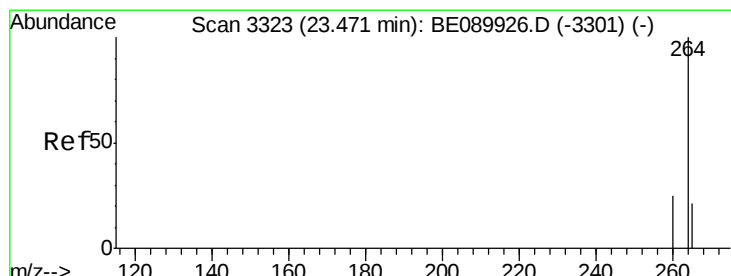
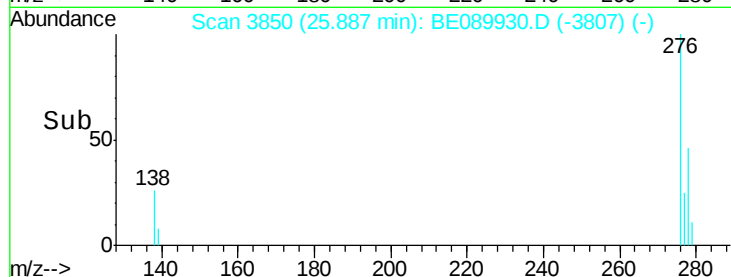
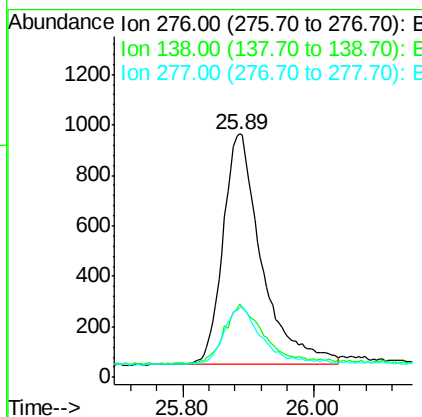
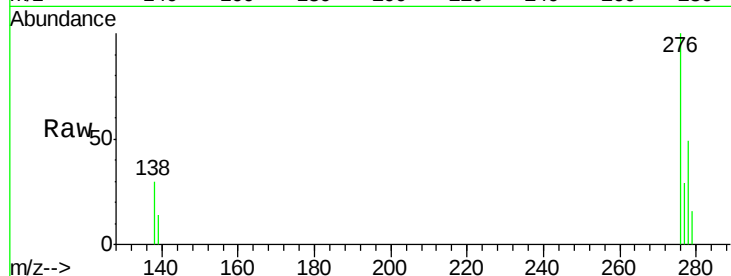
ClientSampleId :

SSTDIC0.1

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 3761 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 25.2  | 0.0   | 0.0# |
| 277       | 24.6  | 0.0   | 0.0# |

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#32

Perylene-d12

Concen: 5.00 ng

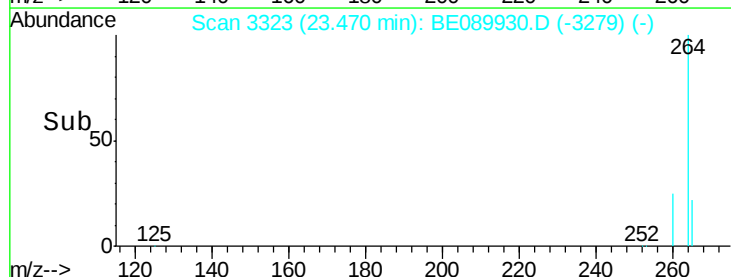
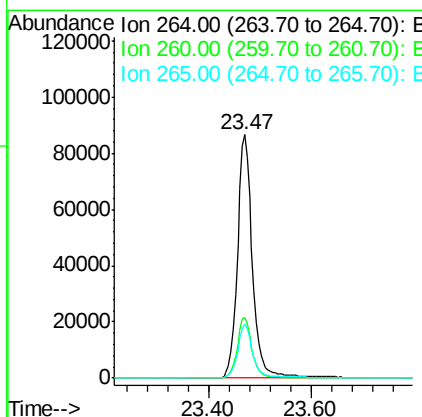
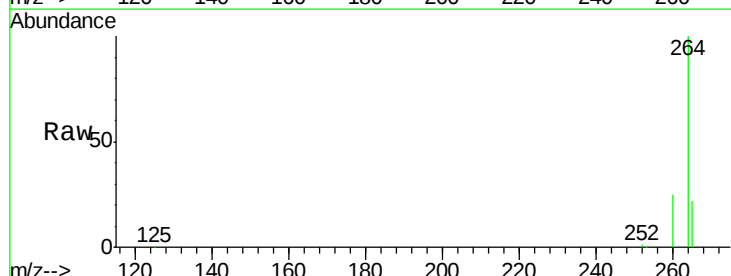
RT: 23.47 min Scan# 3323

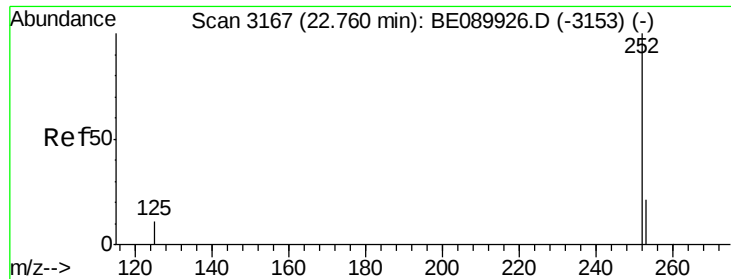
Delta R.T. -0.00 min

Lab File: BE089930.D

Acq: 24 Jun 2015 00:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 176157 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.8  | 19.8  | 29.6   |
| 265       | 22.0  | 17.3  | 25.9   |





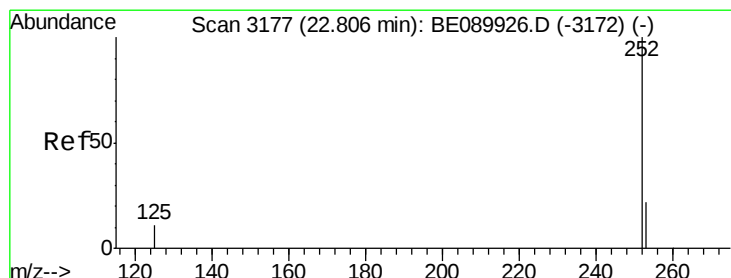
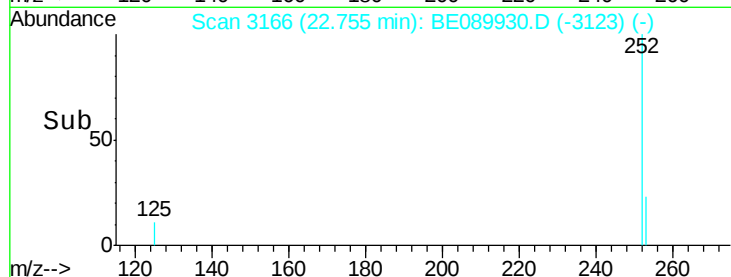
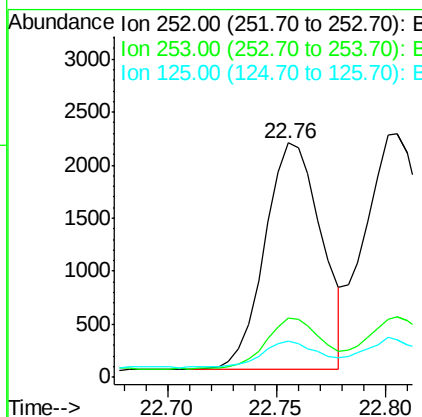
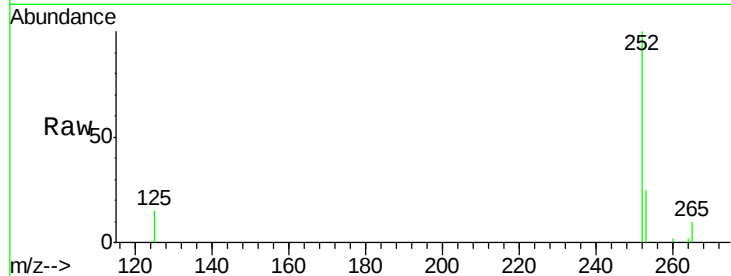
#33  
Benzo(b)fluoranthene  
Concen: 0.07 ng  
RT: 22.76 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 17.3  | 25.9  |
| 125     | 15.5  | 9.3   | 13.9  |

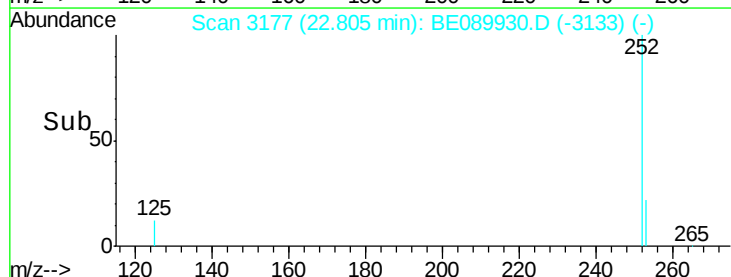
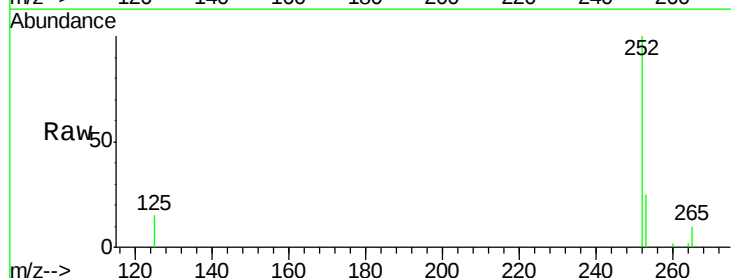
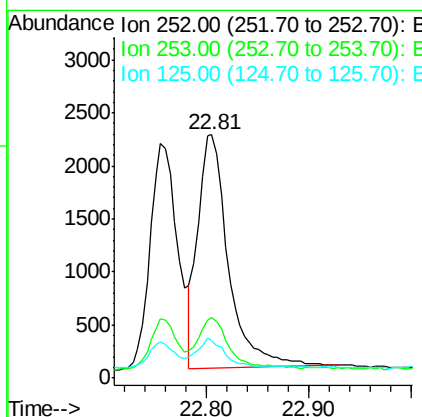
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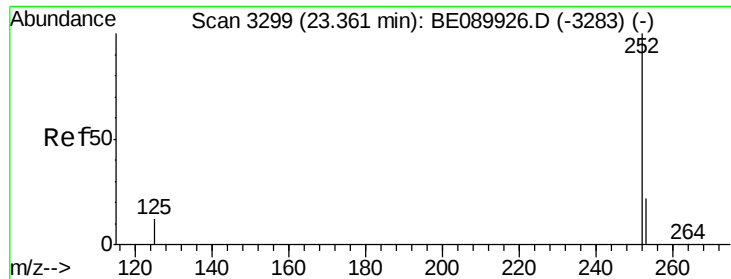
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#34  
Benzo(k)fluoranthene  
Concen: 0.09 ng  
RT: 22.81 min Scan# 3177  
Delta R.T. -0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 17.9  | 26.9  |
| 125     | 15.3  | 9.2   | 13.8  |





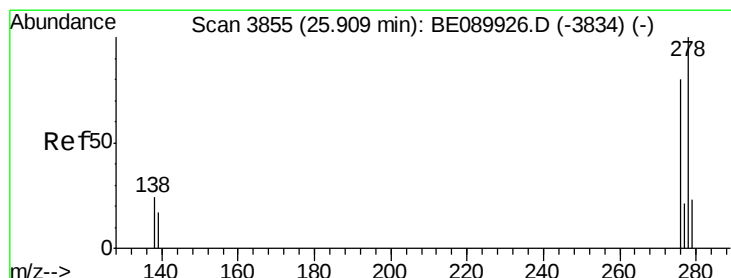
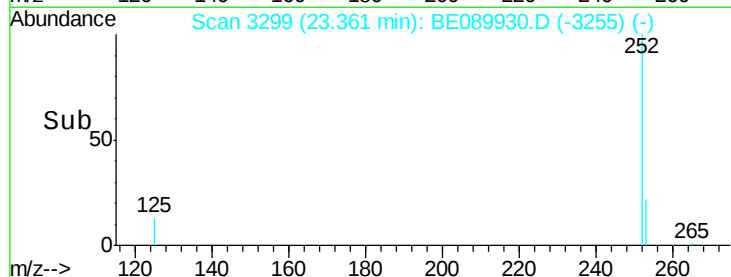
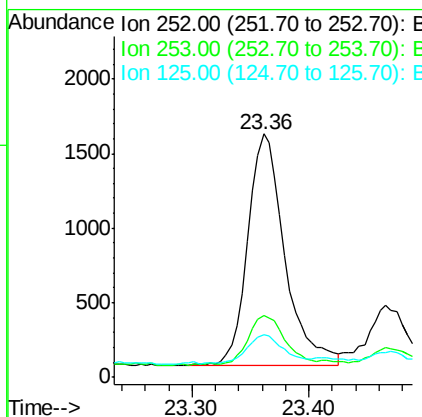
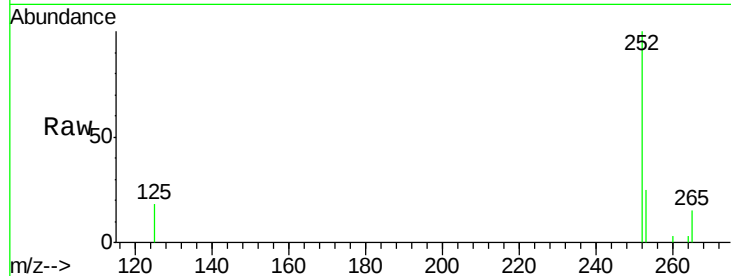
#35  
Benzo(a)pyrene  
Concen: 0.07 ng  
RT: 23.36 min Scan# 3299  
Delta R.T. -0.00 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.5  | 17.8  | 26.6  |
| 125     | 17.5  | 10.3  | 15.5  |

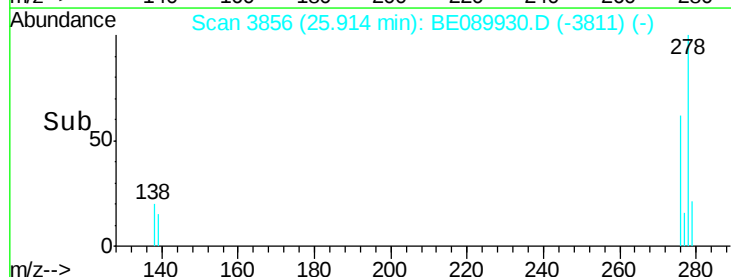
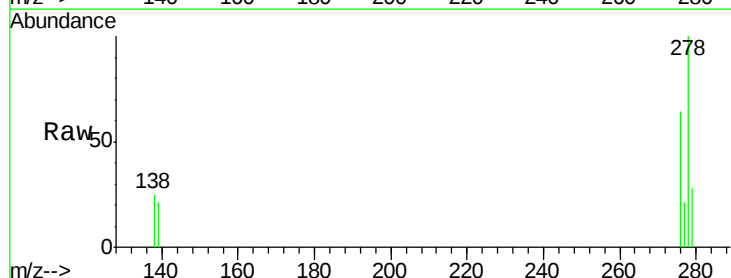
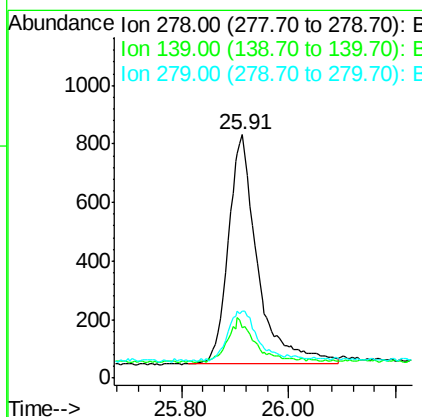
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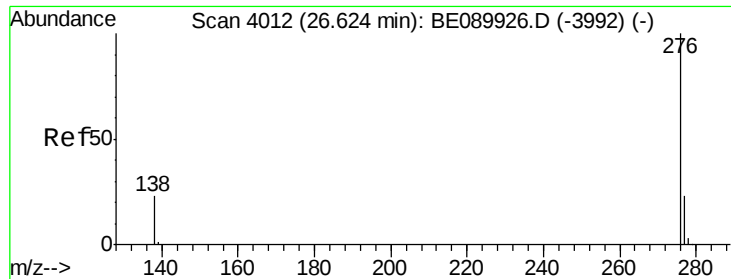
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#36  
Dibenzo(a,h)anthracene  
Concen: 0.07 ng  
RT: 25.91 min Scan# 3856  
Delta R.T. 0.01 min  
Lab File: BE089930.D  
Acq: 24 Jun 2015 00:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.9  | 14.1  | 21.1  |
| 279     | 27.8  | 19.0  | 28.6  |





#37  
 Benzo(g,h,i)perylene  
 Concen: 0.07 ng  
 RT: 26.62 min Scan# 4012  
 Delta R.T. 0.00 min  
 Lab File: BE089930.D  
 Acq: 24 Jun 2015 00:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 276 | 100  |       |       |       |
| 277 | 27.5 | 19.0  | 28.4  |       |
| 138 | 26.4 | 18.8  | 28.2  |       |

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