

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\  
 Data File : BM003747.D  
 Acq On : 23 Dec 2015 18:56  
 Operator : UM/SJ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

Sohil  
 12/24/2015 5:29:26 PM

Quant Time: Dec 24 09:59:36 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 09:33:18 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 51059    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 212740   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.33 | 164  | 119434   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 216528   | 5.00 | ng    | 0.03     |
| 26) Chrysene-d12          | 21.29 | 240  | 202473   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.53 | 264  | 167346   | 5.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.27  | 112  | 3059     | 0.25 | ng    | 0.00     |
| 5) Phenol-d6                | 6.87  | 99   | 3665     | 0.25 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.85  | 82   | 2786     | 0.25 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330  | 860      | 0.25 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.96 | 172  | 9659     | 0.26 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.72 | 244  | 10641    | 0.30 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.18  | 88   | 1424     | 0.26 | ng    | 95     |
| 3) n-Nitrosodimethylamine      | 3.49  | 42   | 1356     | 0.25 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 7.11  | 93   | 3311     | 0.25 | ng    | 99     |
| 9) Nitrobenzene                | 8.89  | 77   | 3115     | 0.24 | ng    | 99     |
| 10) Naphthalene                | 10.51 | 128  | 12424    | 0.26 | ng    | 98     |
| 11) Hexachlorobutadiene        | 10.80 | 225  | 1924     | 0.26 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.14 | 142  | 8414     | 0.26 | ng    | 98     |
| 16) Acenaphthylene             | 14.04 | 152  | 13356    | 0.25 | ng    | 99     |
| 17) Acenaphthene               | 14.39 | 154  | 10012    | 0.28 | ng    | 98     |
| 18) Fluorene                   | 15.39 | 166  | 11221    | 0.27 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248  | 3519     | 0.29 | ng    | 92     |
| 21) Hexachlorobenzene          | 16.40 | 284  | 3573     | 0.30 | ng    | # 99   |
| 22) Pentachlorophenol          | 16.76 | 266  | 730      | 0.22 | ng    | 97     |
| 23) Phenanthrene               | 17.11 | 178  | 21260    | 0.29 | ng    | 99     |
| 24) Anthracene                 | 17.22 | 178  | 15215    | 0.28 | ng    | 99     |
| 25) Fluoranthene               | 19.16 | 202  | 19252    | 0.27 | ng    | 100    |
| 27) Benzidine                  | 19.35 | 184  | 659      | 0.05 | ng    | # 29   |
| 28) Pyrene                     | 19.52 | 202  | 20257    | 0.29 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.27 | 228  | 16819    | 0.27 | ng    | 99     |
| 31) 3,3'-Dichlorobenzidine     | 21.21 | 252  | 4850     | 0.27 | ng    | # 96   |
| 32) Chrysene                   | 21.31 | 228  | 18474m   | 0.29 | ng    |        |
| 33) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 10867    | 0.27 | ng    | # 99   |
| 34) Indeno(1,2,3-cd)pyrene     | 25.78 | 276  | 11969    | 0.26 | ng    | 99     |
| 36) Benzo(b)fluoranthene       | 22.85 | 252  | 14515    | 0.26 | ng    | 96     |
| 37) Benzo(k)fluoranthene       | 22.89 | 252  | 13238    | 0.26 | ng    | 96     |
| 38) Benzo(a)pyrene             | 23.43 | 252  | 12181    | 0.26 | ng    | 95     |
| 39) Dibenzo(a,h)anthracene     | 25.79 | 278  | 9623     | 0.26 | ng    | 95     |
| 40) Benzo(g,h,i)perylene       | 26.47 | 276  | 10274    | 0.27 | ng    | 96     |

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

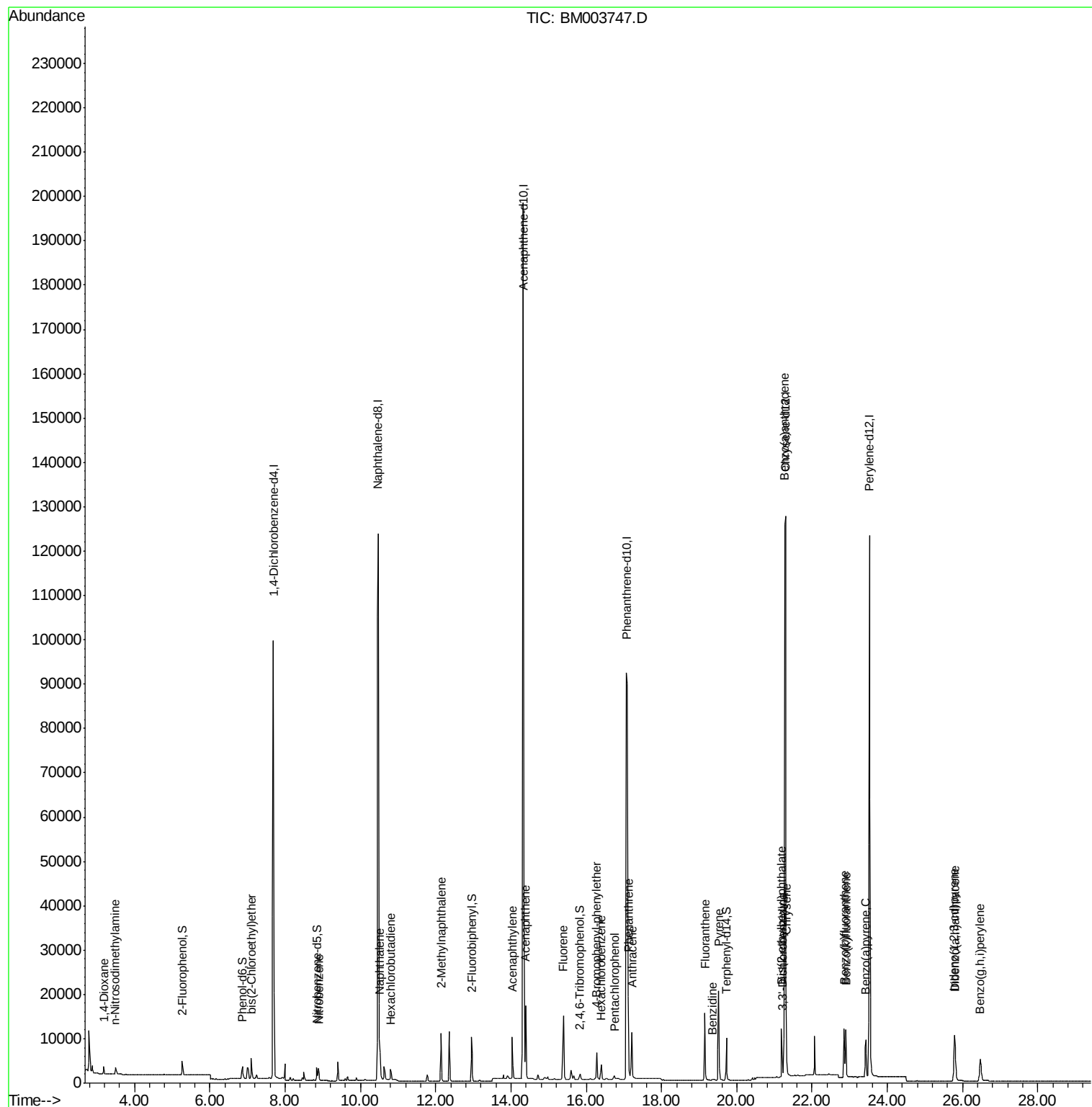
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\  
Data File : BM003747.D  
Acq On : 23 Dec 2015 18:56  
Operator : UM/SJ  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

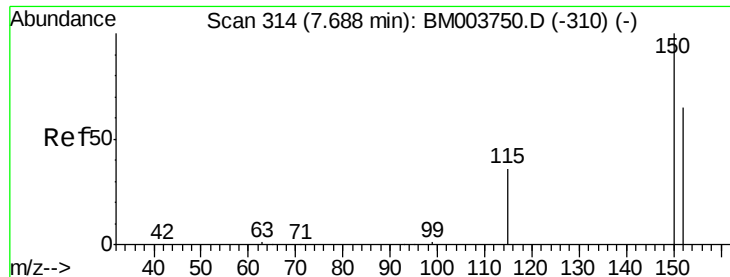
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC0.2

Manual Integrations  
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12/24/2015 5:29:26 PM

Quant Time: Dec 24 09:59:36 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 24 09:33:18 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 314

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

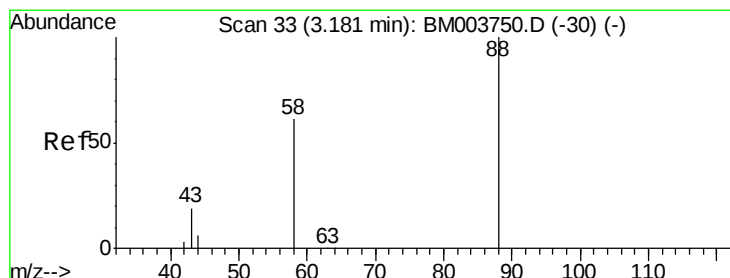
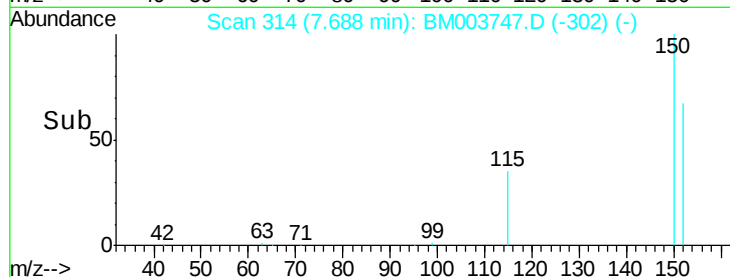
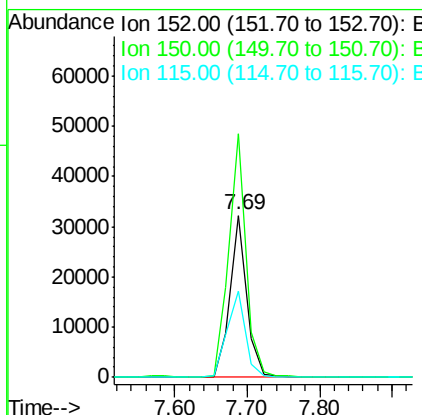
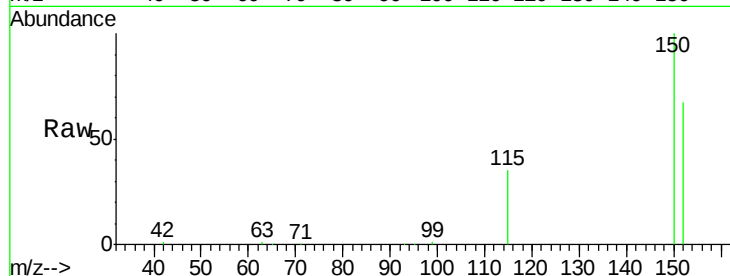
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 51059 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 150.3 | 122.9 | 184.3 |
| 115      | 53.3  | 44.4  | 66.6  |

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#2

1,4-Dioxane

Concen: 0.26 ng

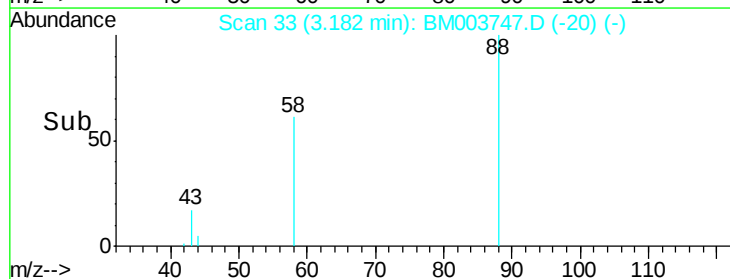
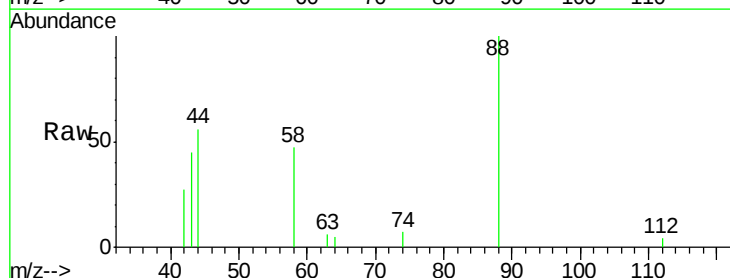
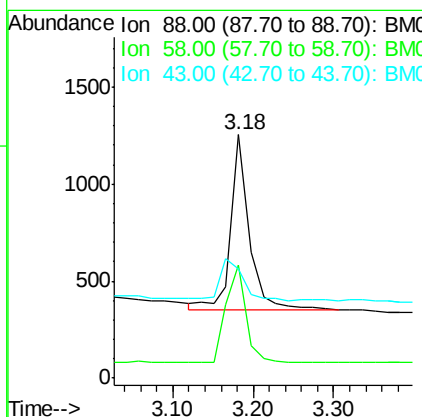
RT: 3.18 min Scan# 33

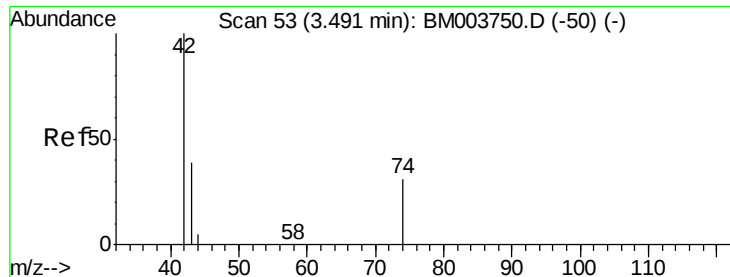
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 1424  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 62.1  | 53.8  | 80.6  |
| 43       | 28.9  | 23.8  | 35.6  |





#3

n-Nitrosodimethylamine

Concen: 0.25 ng

RT: 3.49 min Scan# 53

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

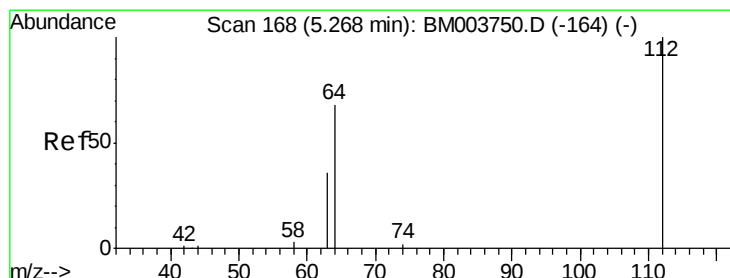
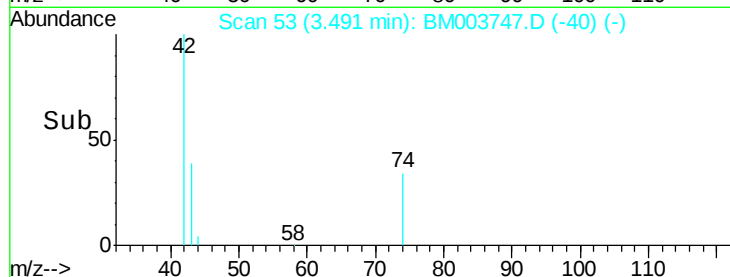
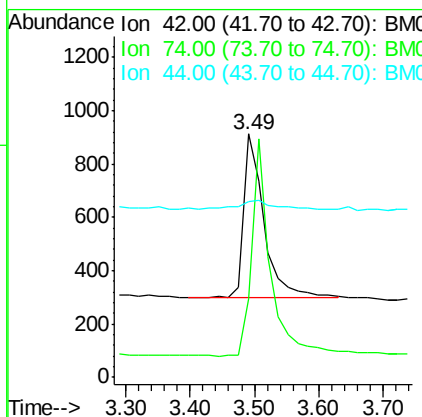
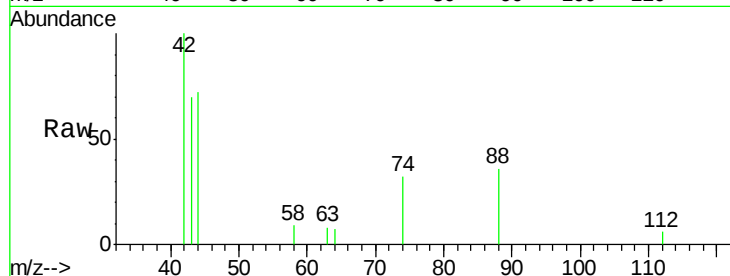
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1356  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 121.3 | 95.0  | 142.4 |
| 44       | 8.8   | 5.1   | 7.7#  |

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#4

2-Fluorophenol

Concen: 0.25 ng

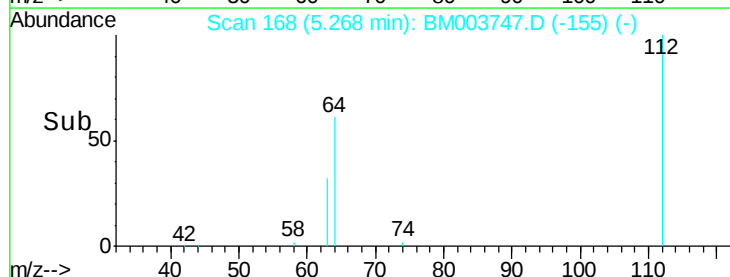
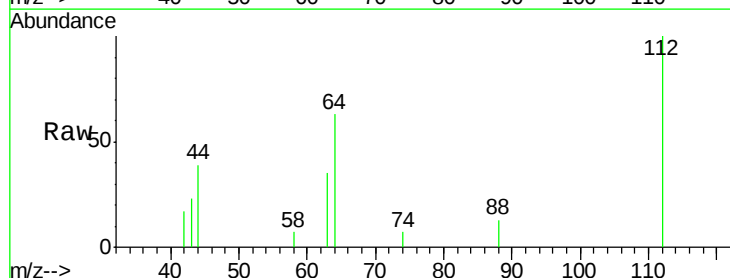
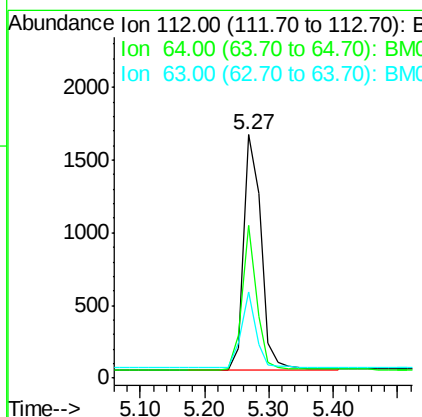
RT: 5.27 min Scan# 168

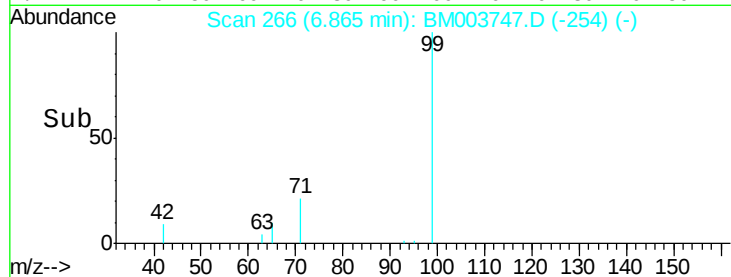
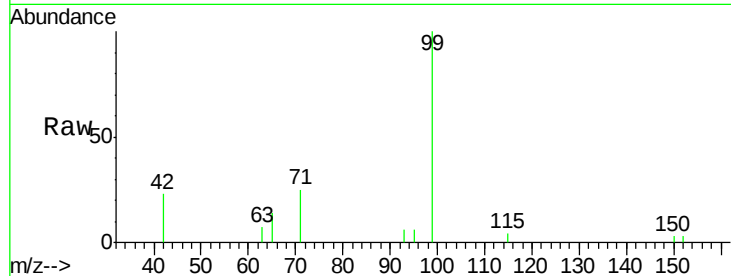
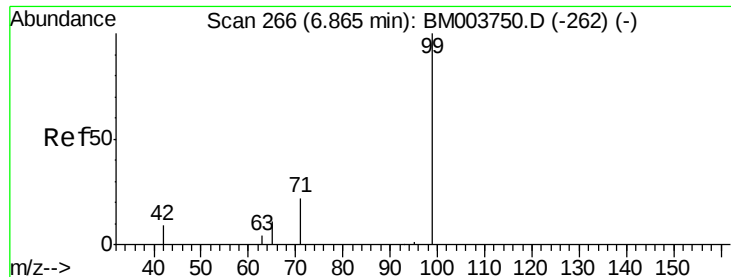
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3059  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.0  | 41.8  | 62.8  |
| 63       | 27.7  | 22.1  | 33.1  |





#5

Phenol-d6

Concen: 0.25 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 3665  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.0  | 16.2  | 24.2  |
| 71       | 32.3  | 24.4  | 36.6  |

Instrument :

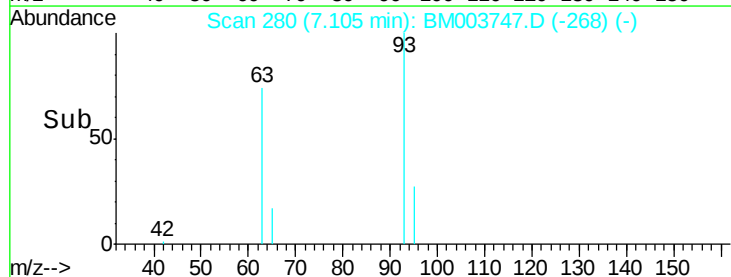
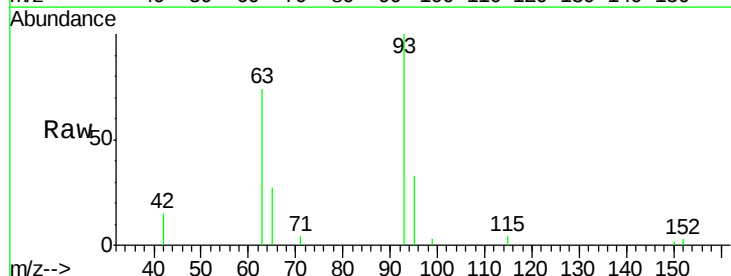
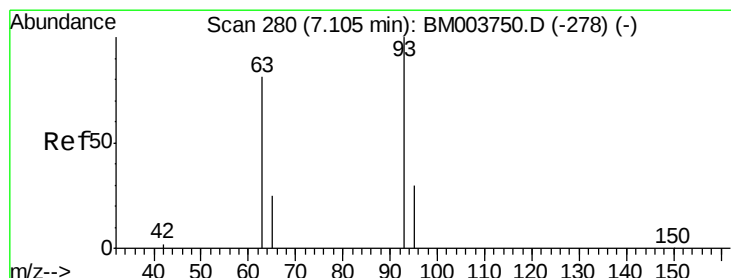
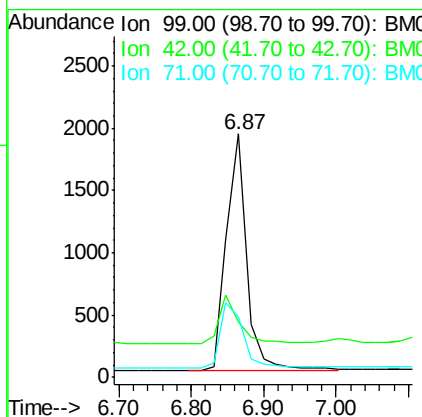
BNA\_M

ClientSampleId :

SSTDIC0.2

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#6

bis(2-Chloroethyl)ether

Concen: 0.25 ng

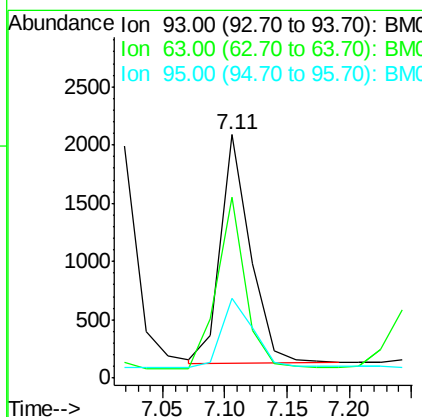
RT: 7.11 min Scan# 280

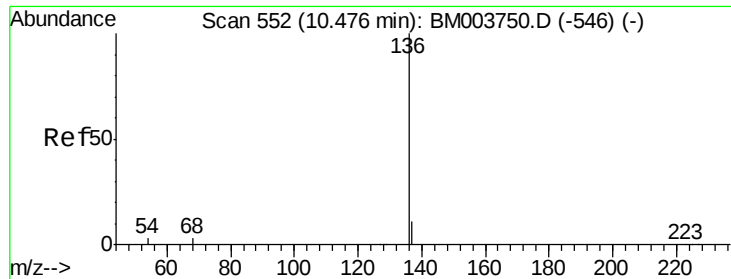
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3311  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 72.7  | 58.3  | 87.5  |
| 95       | 33.0  | 25.8  | 38.8  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

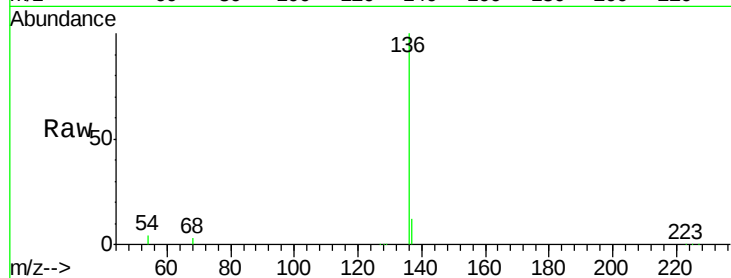
ClientSampleId :

SSTDICC0.2

| Tot Ion   | 136   | Resp  | 212740 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 9.2   | 13.8   |
| 54        | 3.7   | 2.8   | 4.2    |
| 68        | 3.2   | 2.5   | 3.7    |

Manual Integrations  
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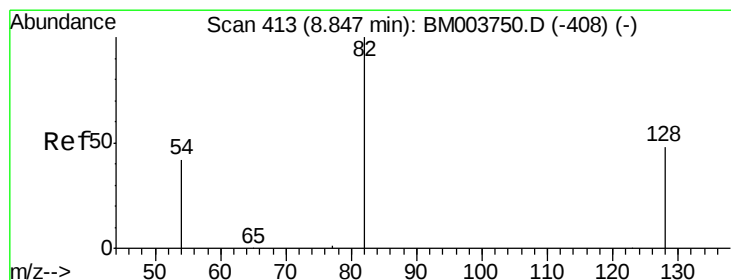
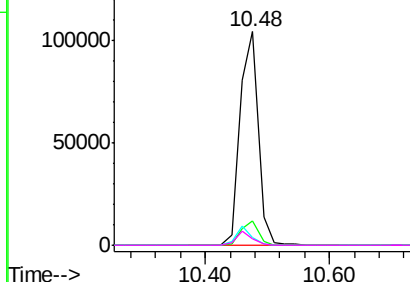
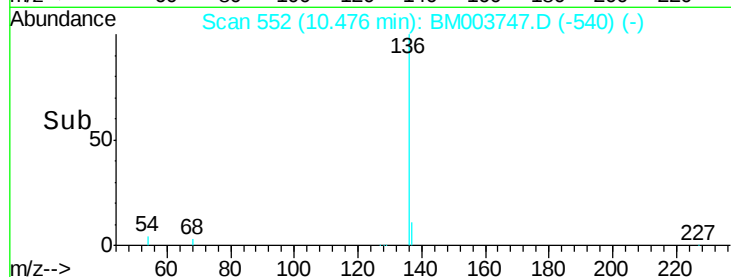


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 0.25 ng

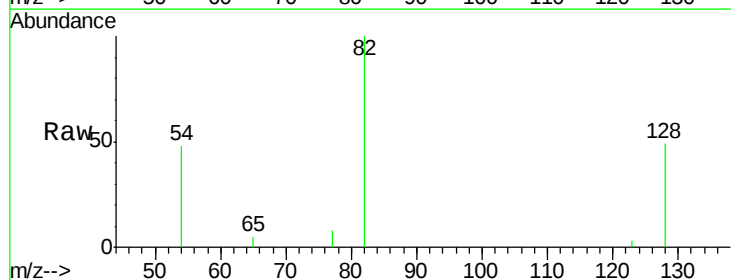
RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

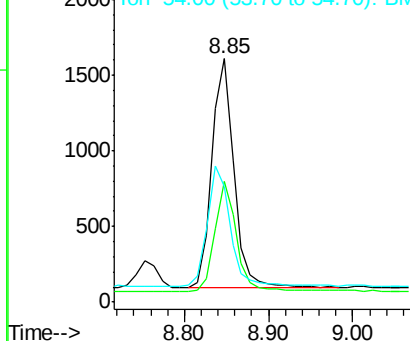
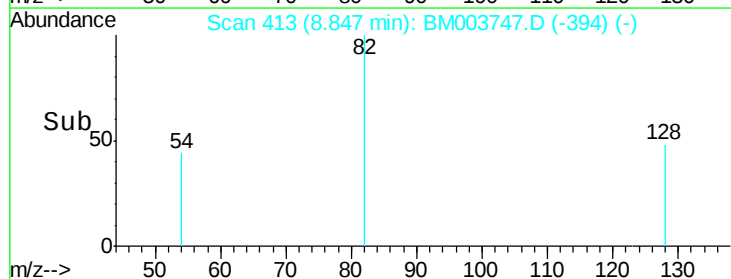
| Tgt Ion   | 82    | Resp  | 2786 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 49.3  | 39.1  | 58.7 |
| 54        | 47.7  | 34.8  | 52.2 |

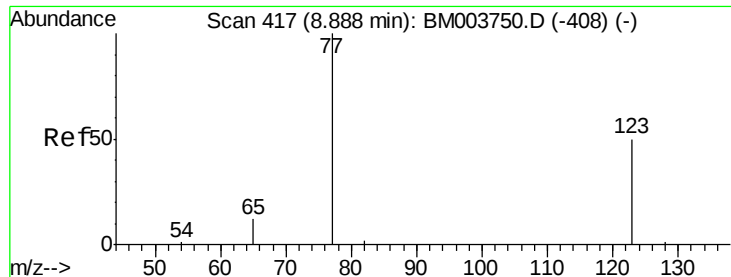


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.24 ng

RT: 8.89 min Scan# 417

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

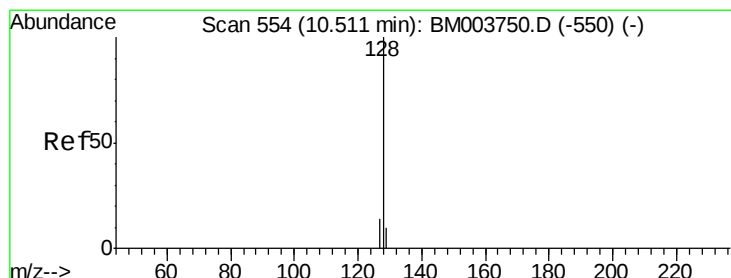
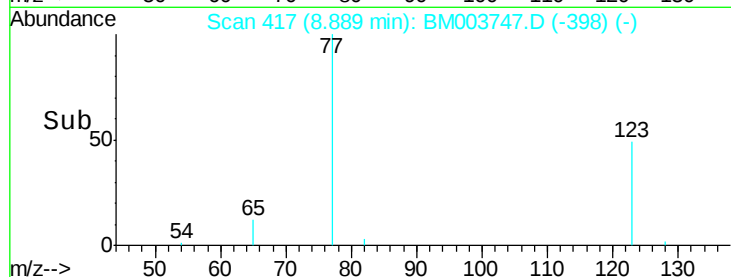
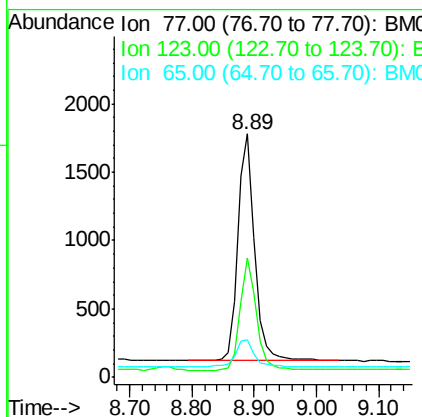
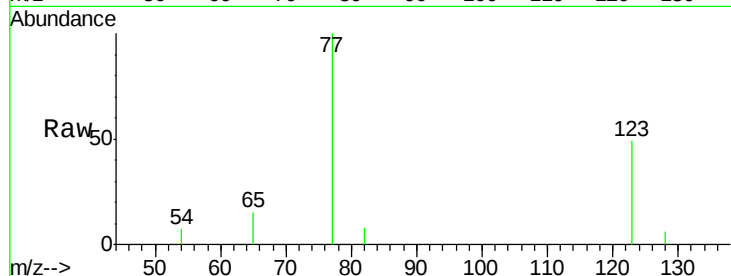
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 3115  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 48.4  | 38.6  | 57.8  |
| 65       | 13.1  | 9.9   | 14.9  |

Manual Integrations  
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#10

Naphthalene

Concen: 0.26 ng

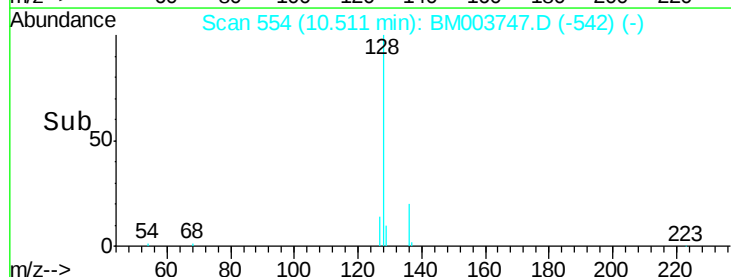
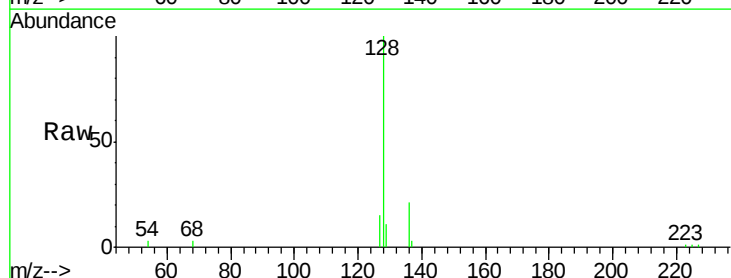
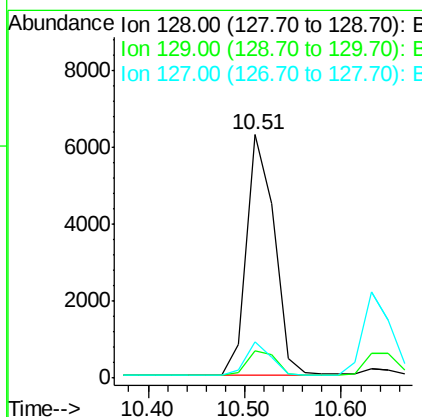
RT: 10.51 min Scan# 554

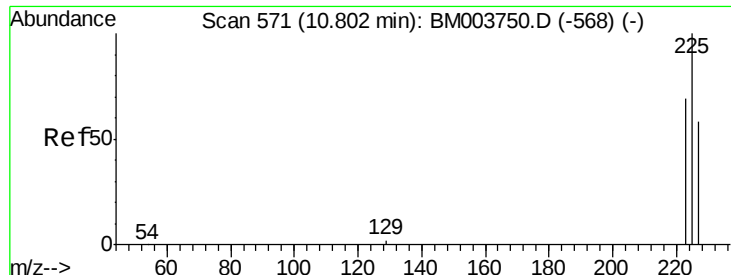
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12424 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 11.0  | 8.5   | 12.7  |
| 127      | 14.7  | 11.0  | 16.4  |





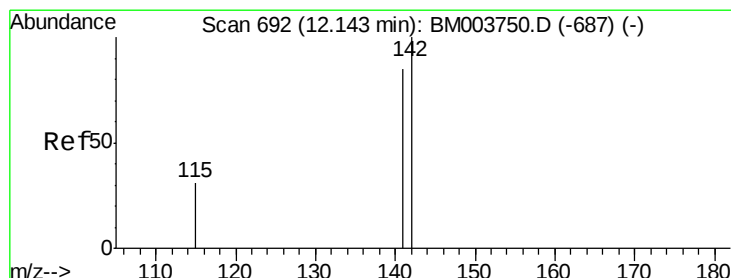
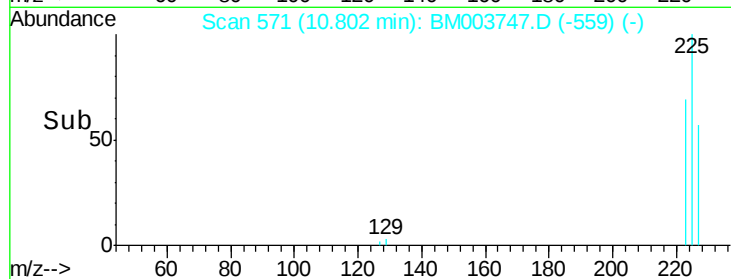
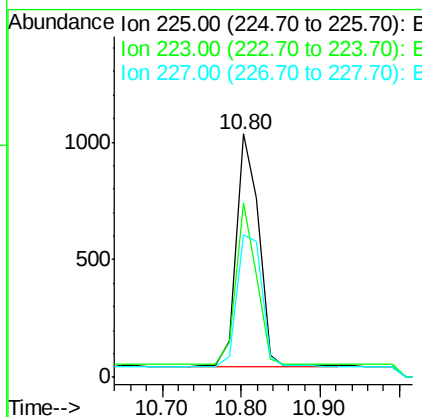
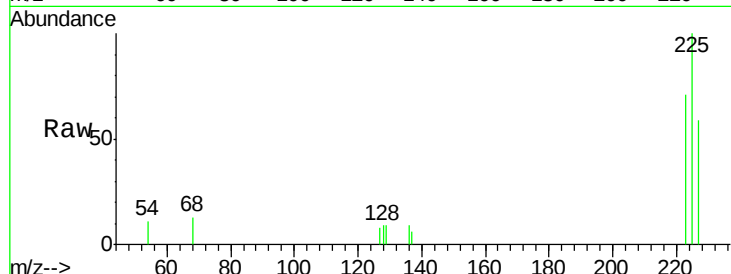
#11  
Hexachlorobutadiene  
Concen: 0.26 ng  
RT: 10.80 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 50.9  | 76.3  |
| 227     | 63.5  | 51.2  | 76.8  |

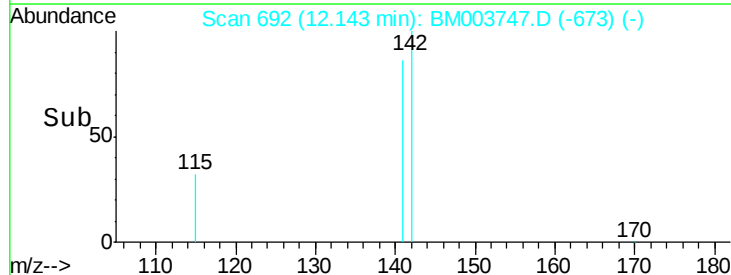
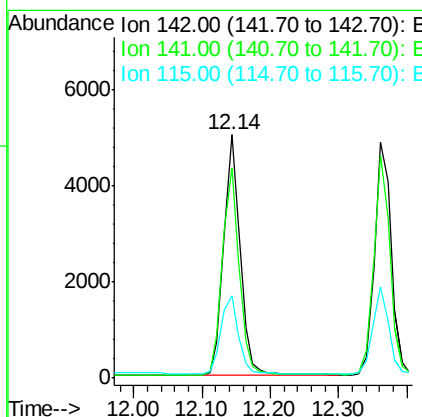
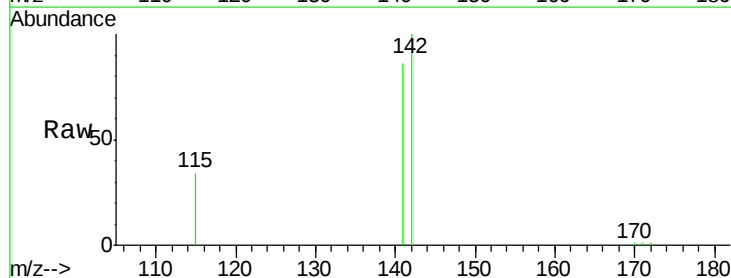
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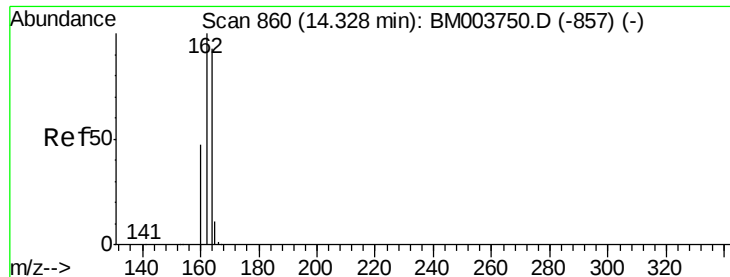
Sohil  
12/24/2015 5:29:26 PM



#12  
2-Methylnaphthalene  
Concen: 0.26 ng  
RT: 12.14 min Scan# 692  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.5  | 67.8  | 101.8 |
| 115     | 33.8  | 25.3  | 37.9  |





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

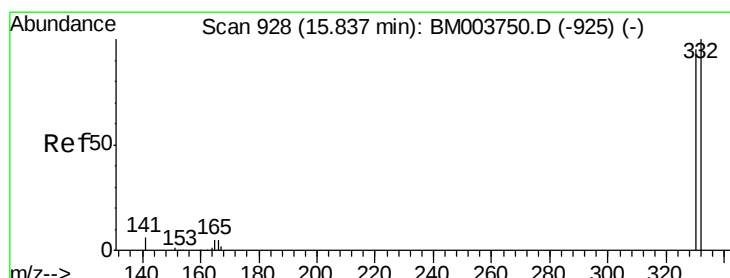
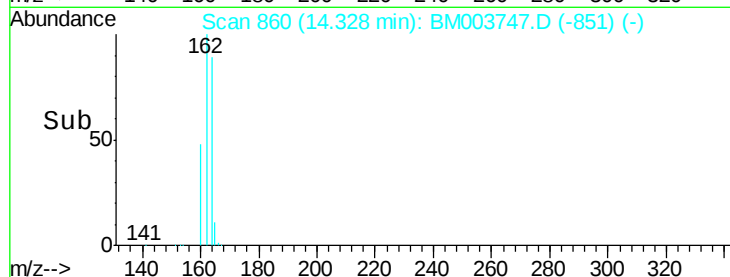
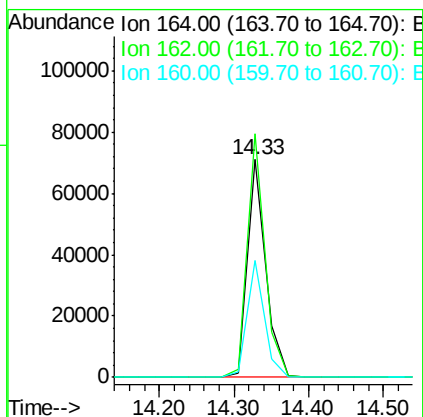
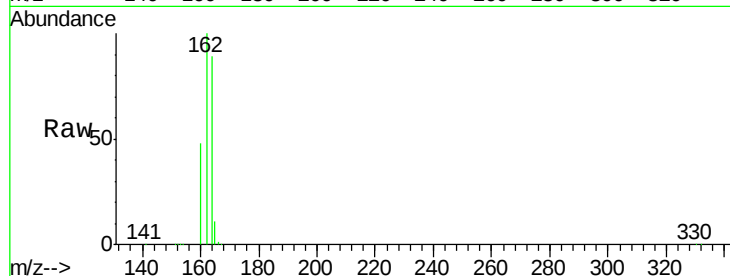
ClientSampleId :

SSTDIC0.2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 119434 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 111.8 | 86.0  | 129.0  |
| 160       | 53.7  | 40.3  | 60.5   |

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#14

2,4,6-Tribromophenol

Concen: 0.25 ng

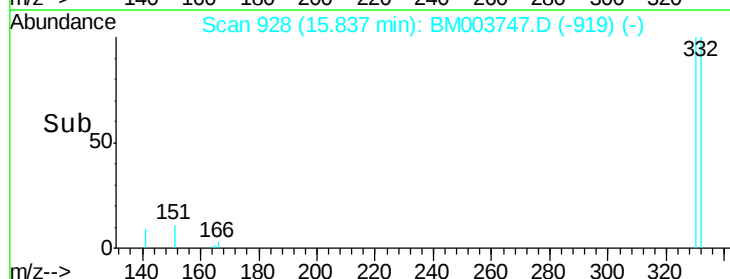
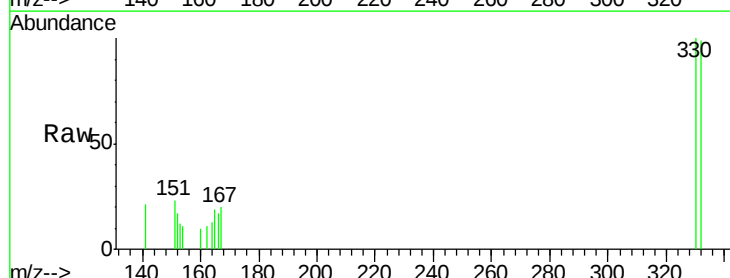
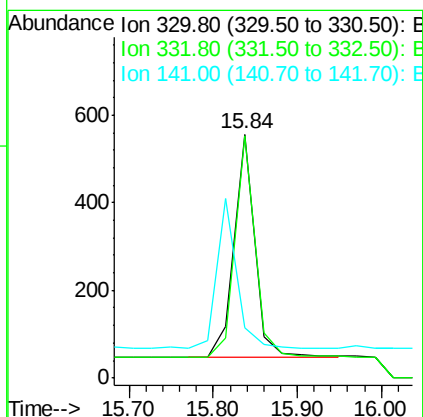
RT: 15.84 min Scan# 928

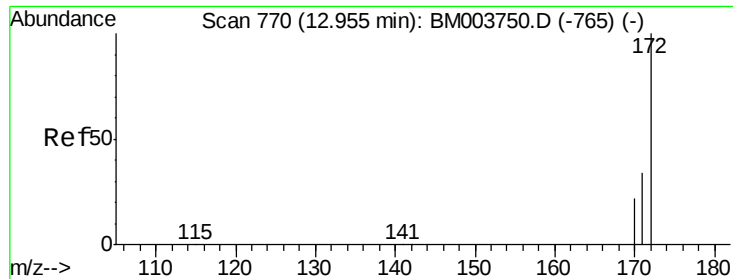
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 860   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 98.1  | 79.0  | 118.4 |
| 141       | 0.0   | 0.0   | 0.0   |





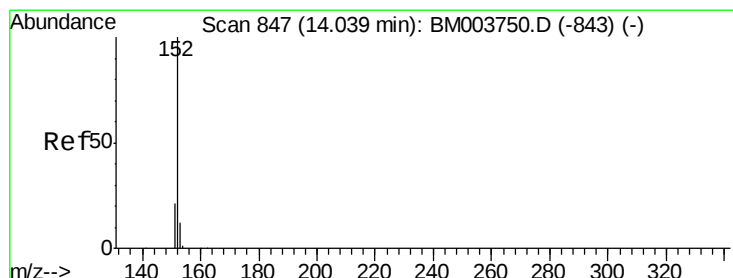
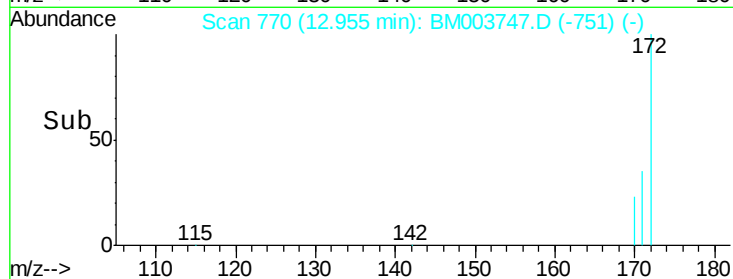
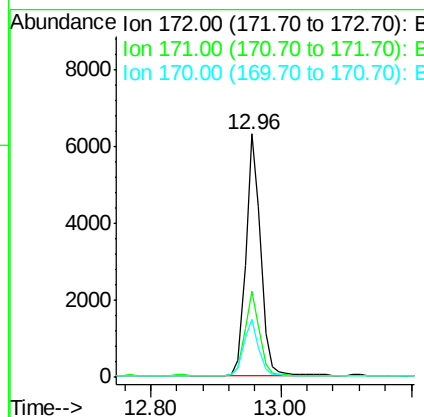
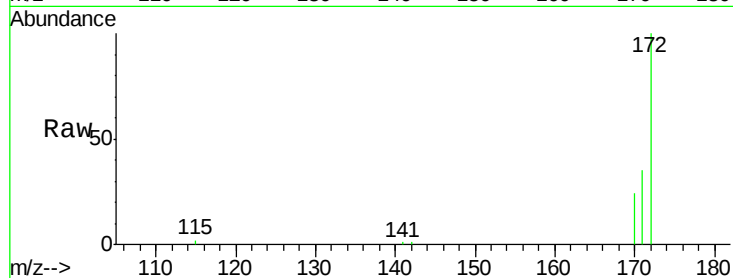
#15  
2-Fluorobiphenyl  
Concen: 0.26 ng  
RT: 12.96 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 27.0  | 40.6  |
| 170     | 23.8  | 17.9  | 26.9  |

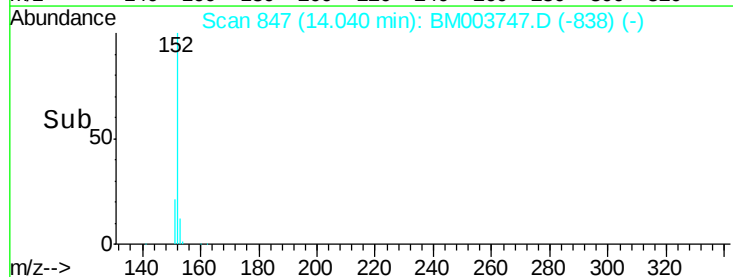
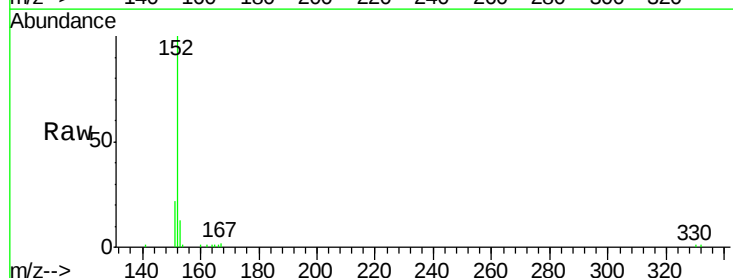
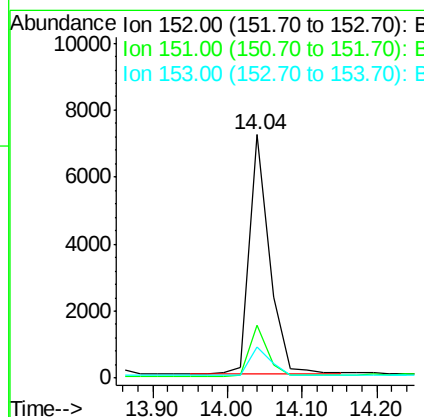
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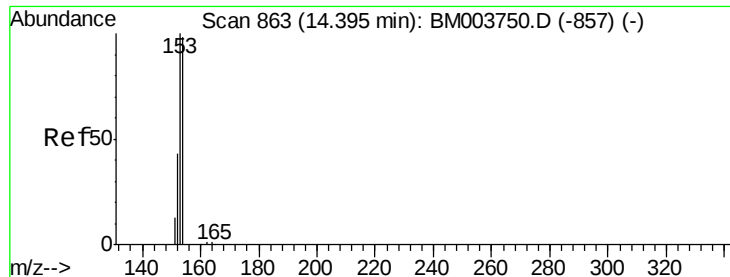
Sohil  
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#16  
Acenaphthylene  
Concen: 0.25 ng  
RT: 14.04 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.8  | 23.8  |
| 153     | 12.5  | 10.2  | 15.4  |





#17

Acenaphthene

Concen: 0.28 ng

RT: 14.39 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

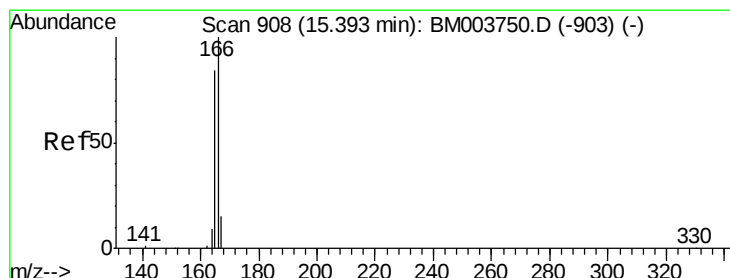
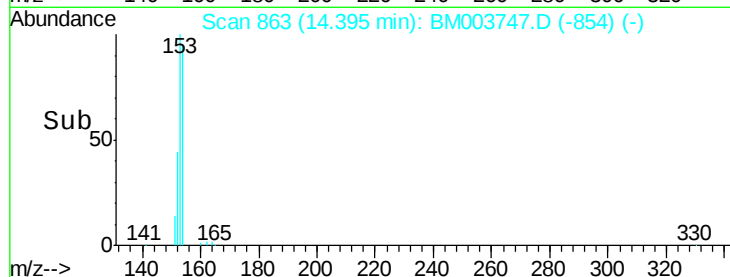
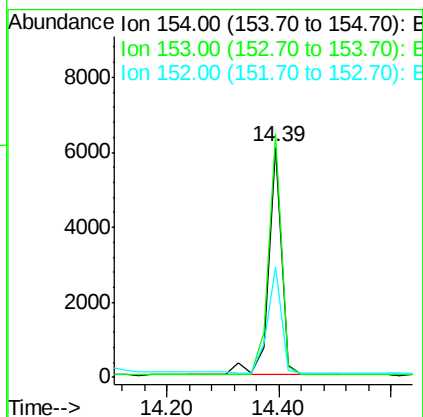
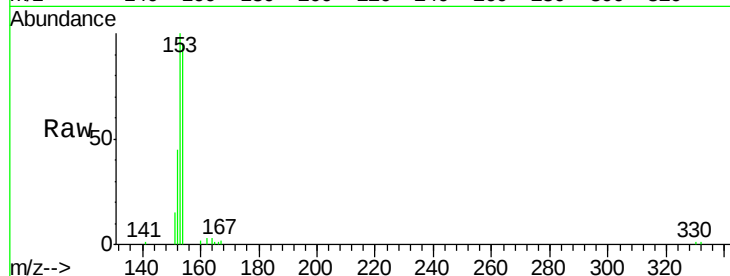
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 10012 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 103.9 | 85.4  | 128.2 |
| 152       | 49.9  | 40.6  | 60.8  |

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#18

Fluorene

Concen: 0.27 ng

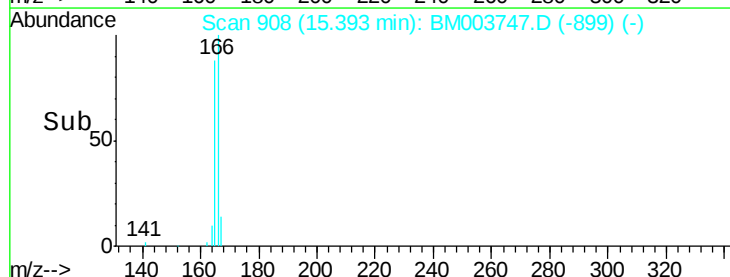
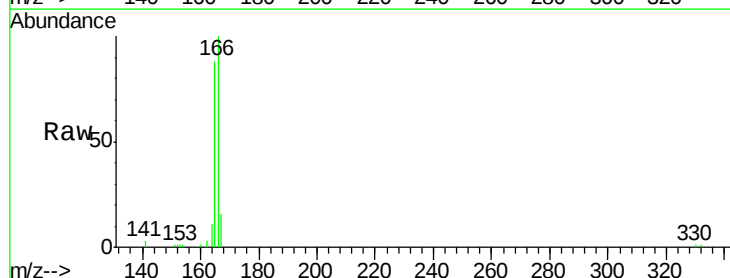
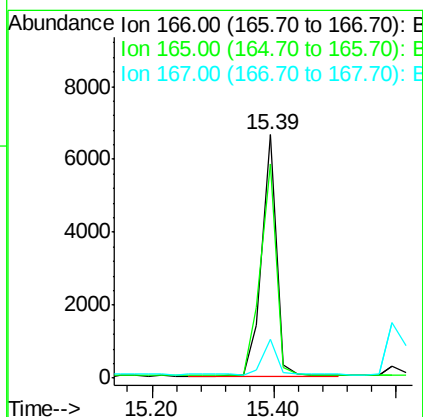
RT: 15.39 min Scan# 908

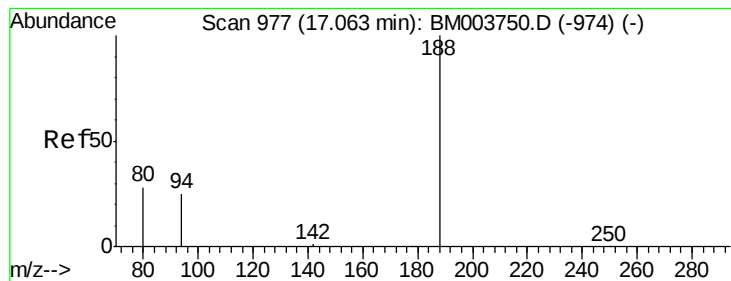
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 11221 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 94.8  | 77.2  | 115.8 |
| 167       | 13.6  | 11.0  | 16.6  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.03 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

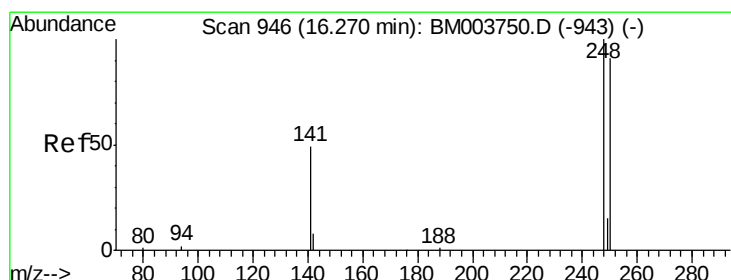
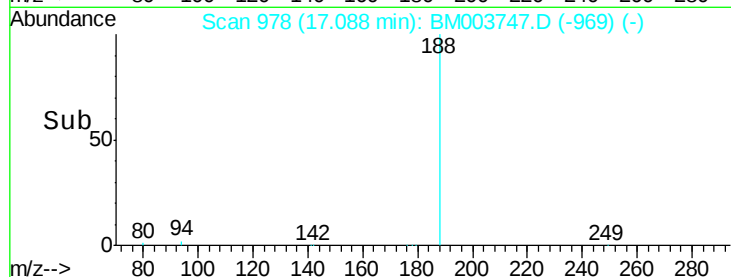
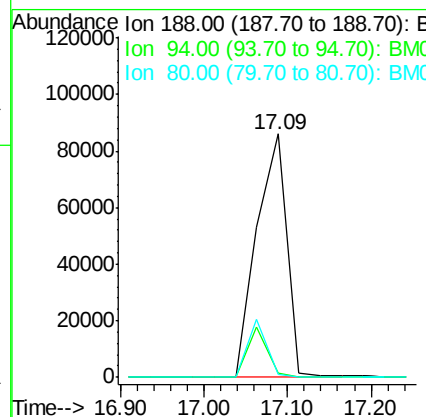
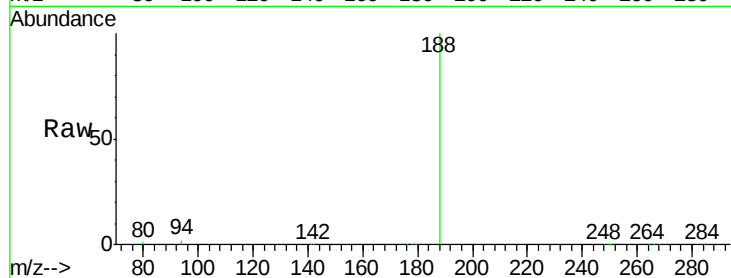
ClientSampleId :

SSTDICC0.2

|             |       |        |
|-------------|-------|--------|
| Tot Ion:188 | Resp: | 216528 |
| Ion Ratio   | Lower | Upper  |
| 188 100     |       |        |
| 94 1.9      | 20.3  | 30.5#  |
| 80 1.5      | 22.2  | 33.4#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.29 ng

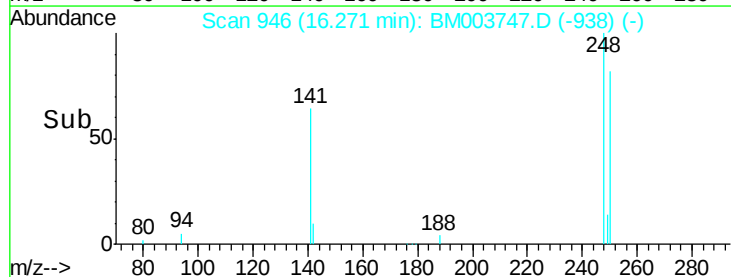
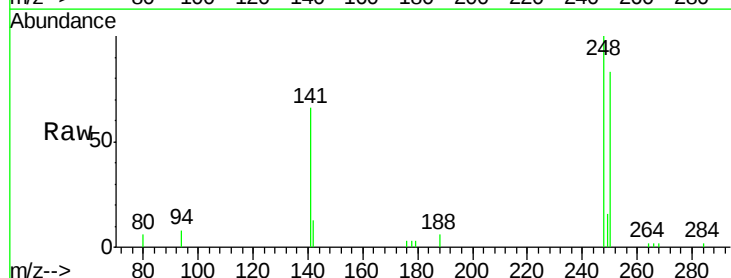
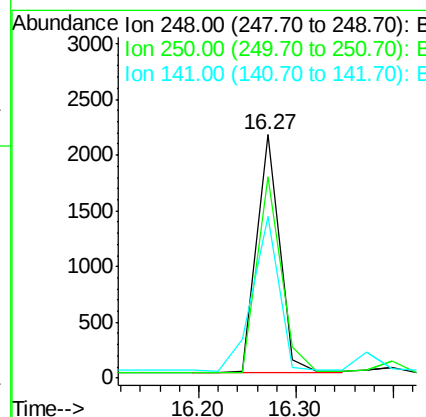
RT: 16.27 min Scan# 946

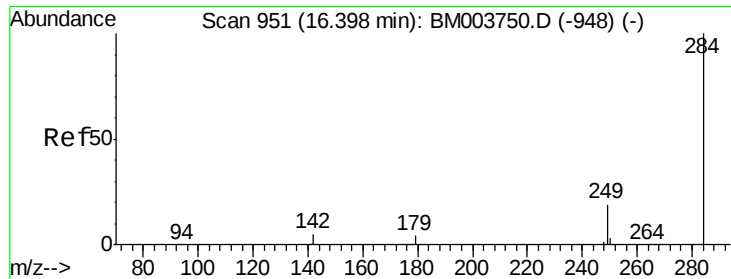
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:248 | Resp: | 3519  |
| Ion Ratio   | Lower | Upper |
| 248 100     |       |       |
| 250 87.7    | 75.0  | 112.4 |
| 141 74.6    | 53.0  | 79.4  |





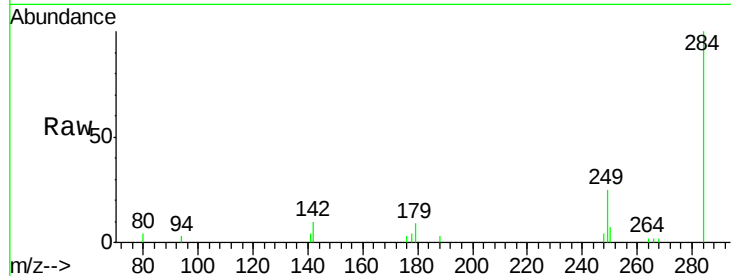
#21  
Hexachlorobenzene  
Concen: 0.30 ng  
RT: 16.40 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

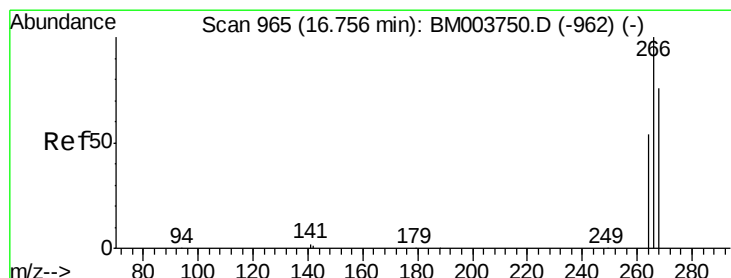
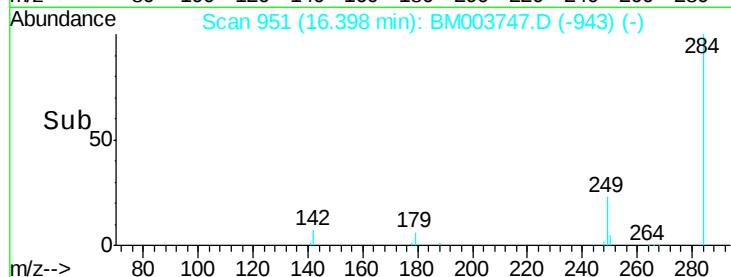
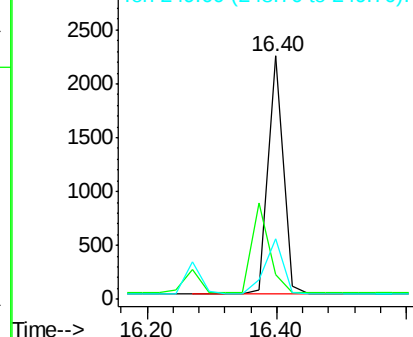
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 0.0   | 0.0   |
| 249     | 27.5  | 21.5  | 32.3  |

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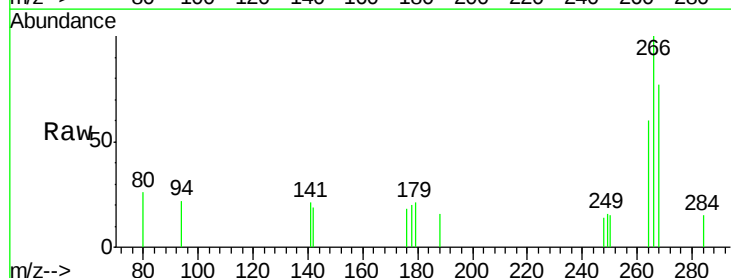


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

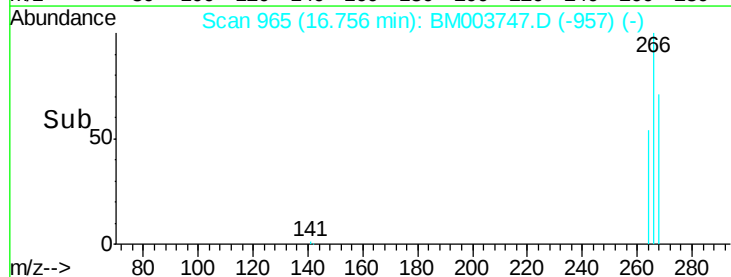
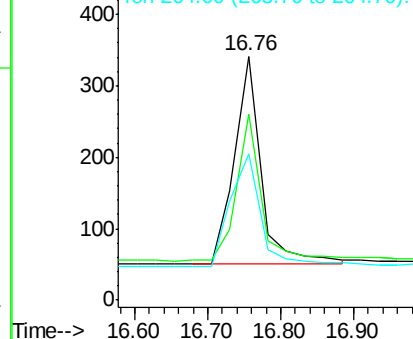


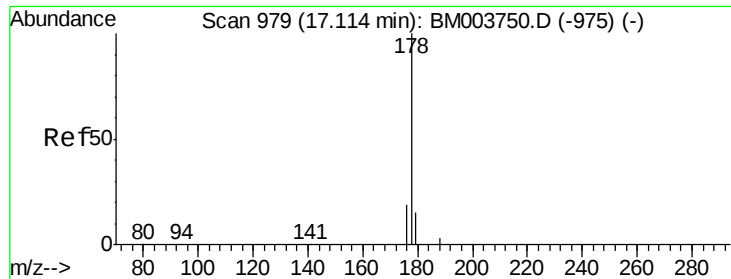
#22  
Pentachlorophenol  
Concen: 0.22 ng  
RT: 16.76 min Scan# 965  
Delta R.T. 0.00 min  
Lab File: BM003747.D  
Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 76.5  | 62.7  | 94.1  |
| 264     | 60.1  | 45.7  | 68.5  |



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.29 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

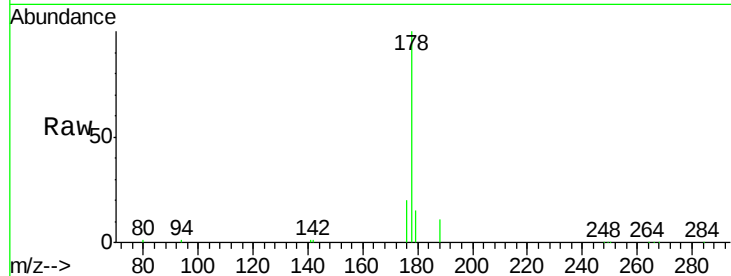
ClientSampleId :

SSTDIC0.2

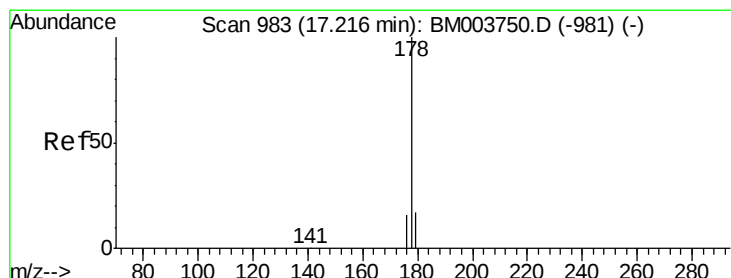
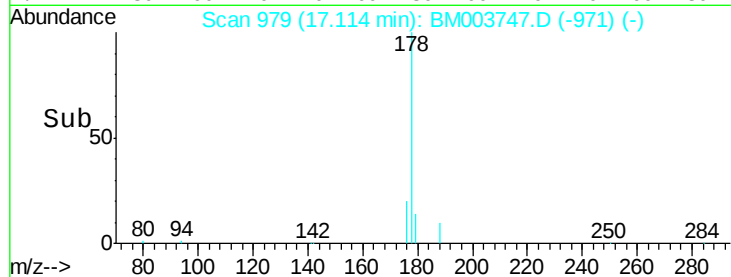
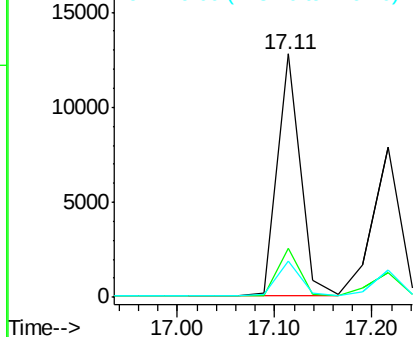
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 21260 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.7  | 15.4  | 23.0  |
| 179      | 15.5  | 12.2  | 18.4  |

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.28 ng

RT: 17.22 min Scan# 983

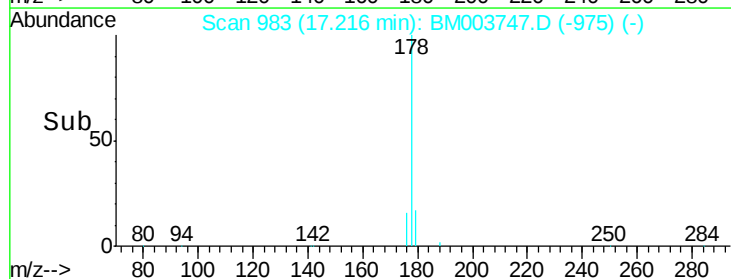
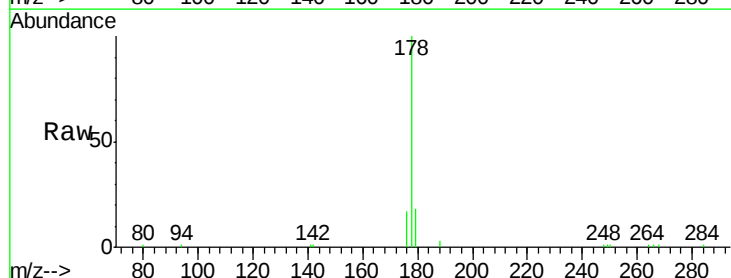
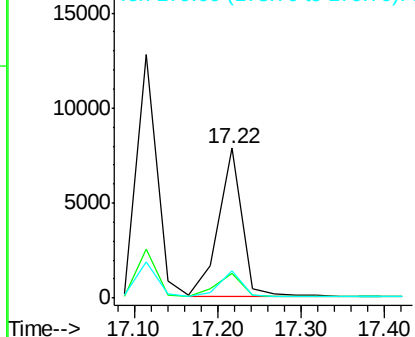
Delta R.T. 0.00 min

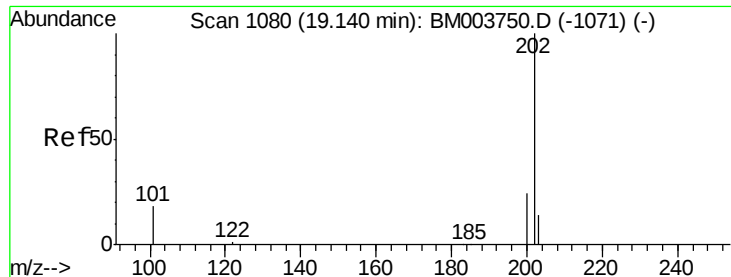
Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 15215 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 17.9  | 14.6  | 21.8  |
| 179      | 16.2  | 12.6  | 19.0  |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.27 ng

RT: 19.16 min Scan# 1081

Delta R.T. 0.02 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

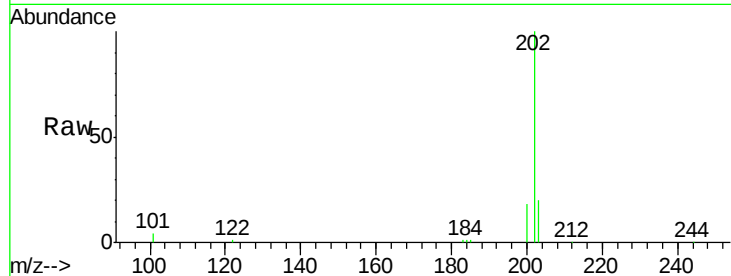
ClientSampleId :

SSTDICC0.2

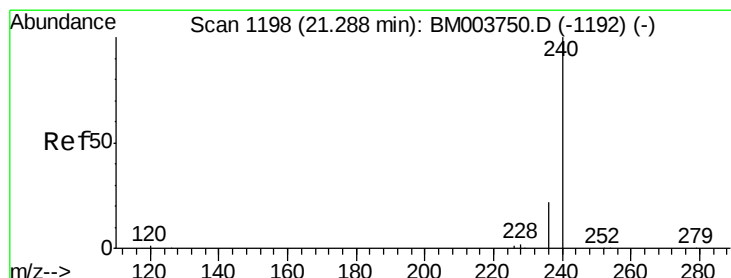
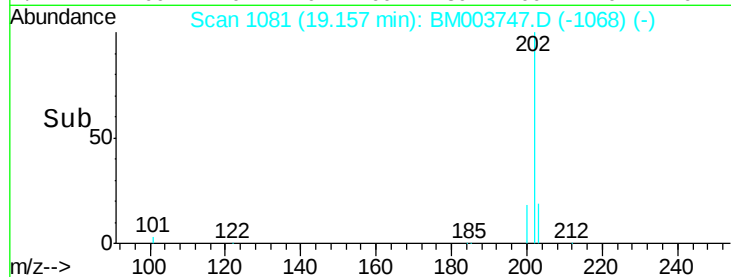
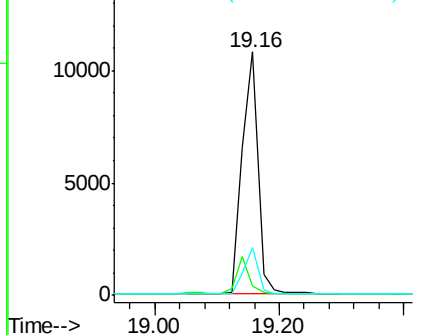
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 19252 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.0  | 9.7   | 14.5  |
| 203       | 17.4  | 13.8  | 20.8  |

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



#26

Chrysene-d12

Concen: 5.00 ng

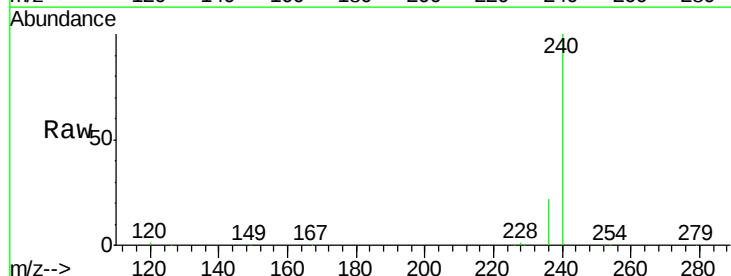
RT: 21.29 min Scan# 1198

Delta R.T. 0.00 min

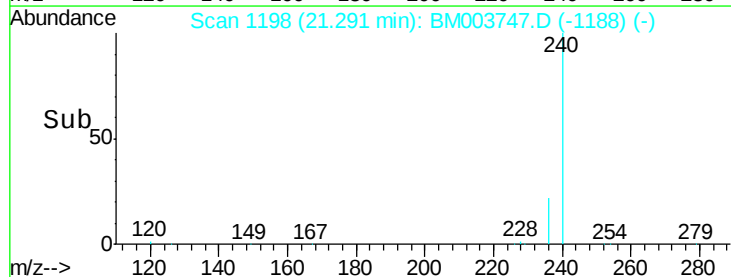
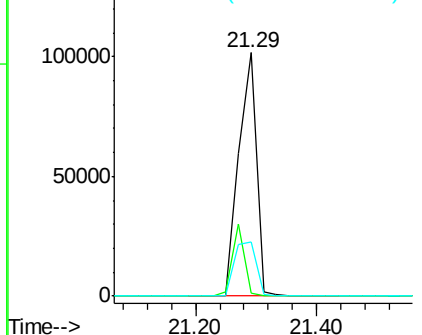
Lab File: BM003747.D

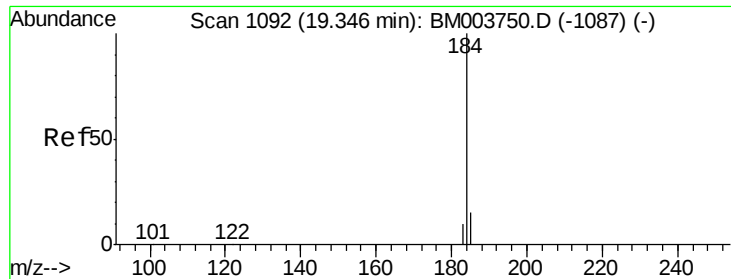
Acq: 23 Dec 2015 18:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 202473 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 1.1   | 0.9   | 1.3    |
| 236       | 22.4  | 17.3  | 25.9   |



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





#27

Benzidine

Concen: 0.05 ng

RT: 19.35 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

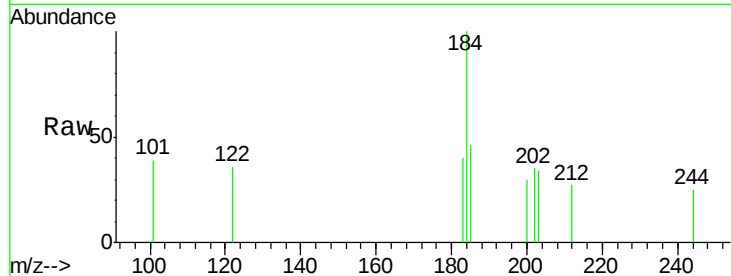
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 46.1  | 13.2  | 19.8# |
| 183     | 39.8  | 9.0   | 13.6# |

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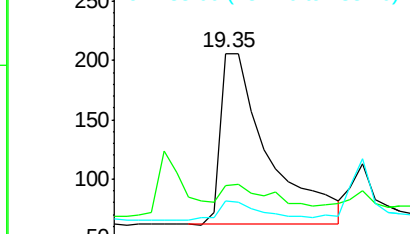
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12/24/2015 5:29:26 PM



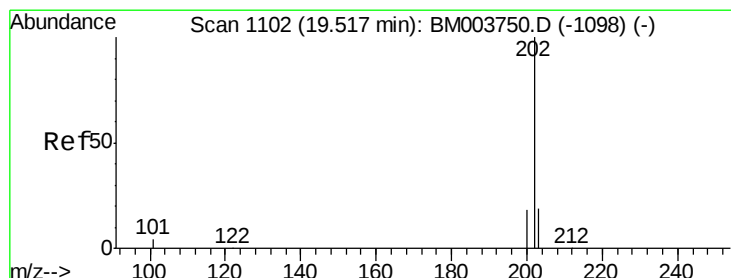
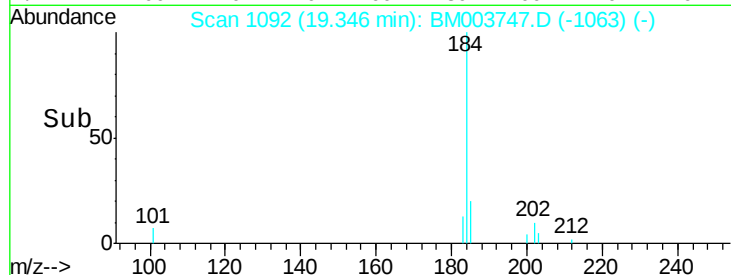
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.20 19.30 19.40 19.50



#28

Pyrene

Concen: 0.29 ng

RT: 19.52 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BM003747.D

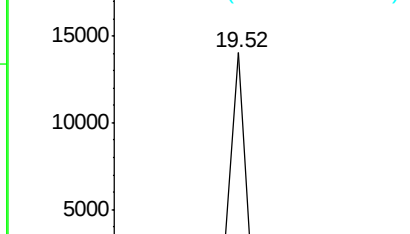
Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 16.6  | 24.8  |
| 203     | 17.7  | 14.0  | 21.0  |

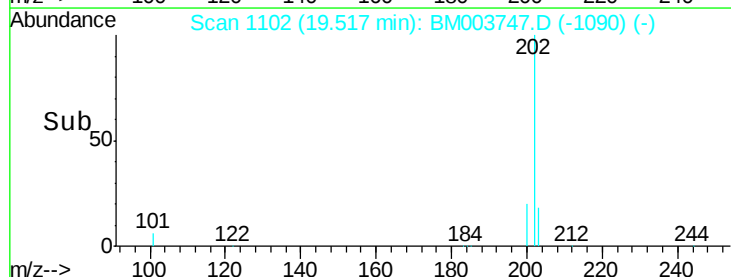
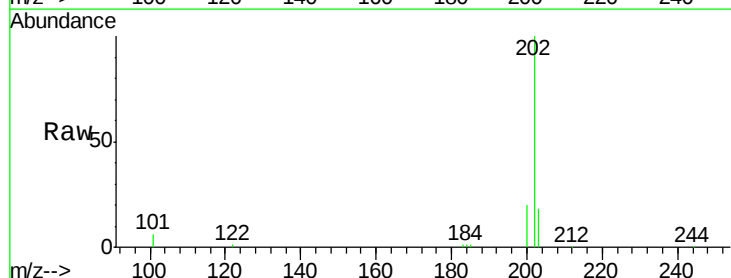
Abundance Ion 202.00 (201.70 to 202.70): E

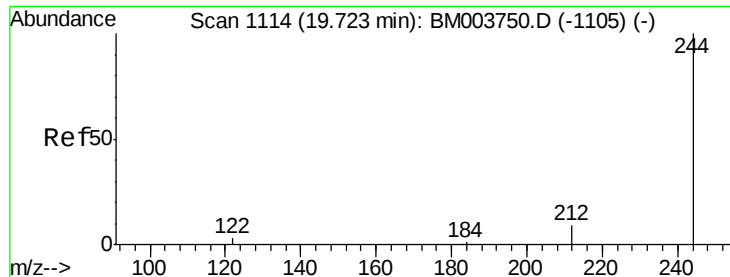
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.50 19.60 19.70





#29

Terphenyl-d14

Concen: 0.30 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

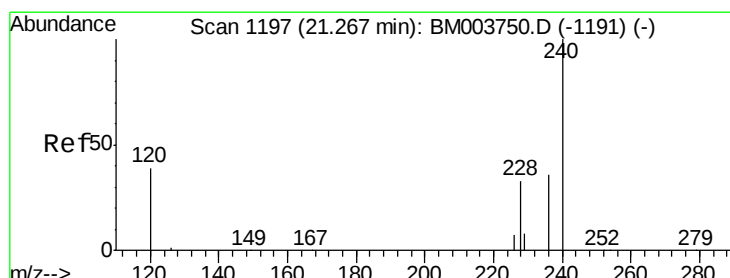
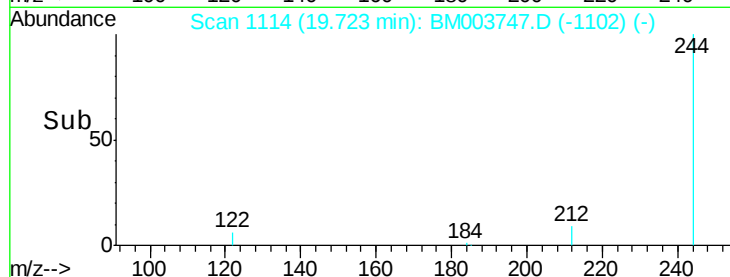
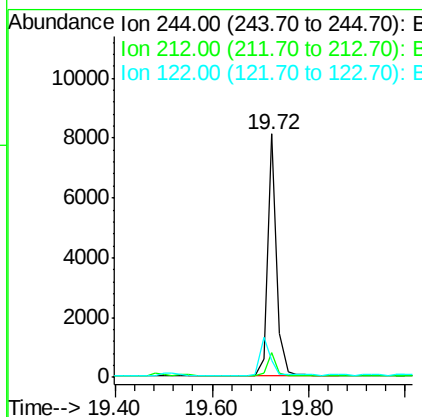
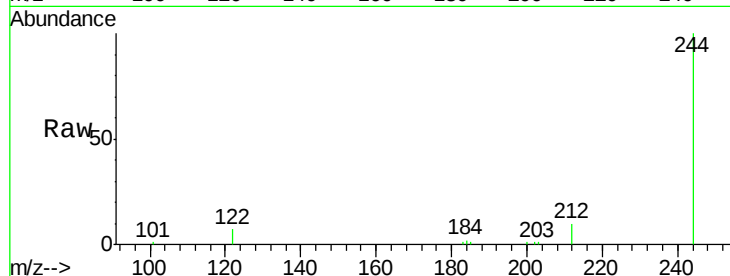
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.1  | 7.0   | 10.6  |
| 122     | 7.2   | 3.0   | 4.6   |

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#30

Benzo(a)anthracene

Concen: 0.27 ng

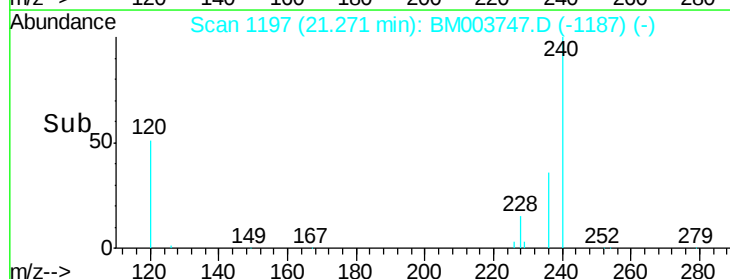
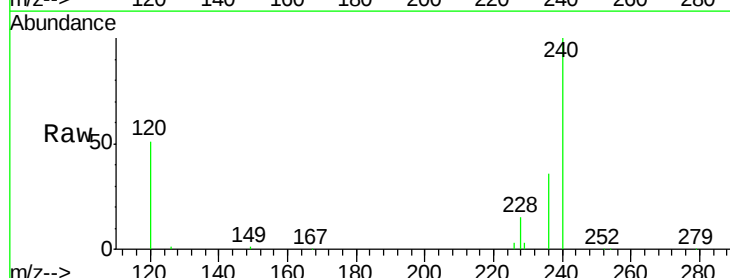
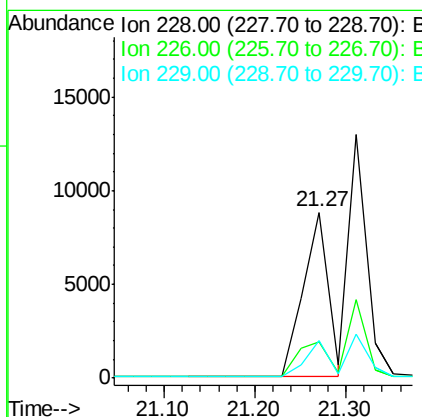
RT: 21.27 min Scan# 1197

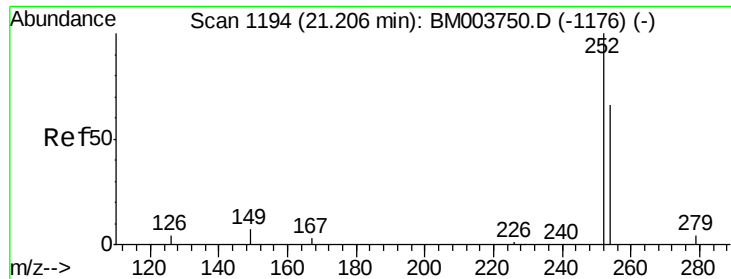
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 21.9  | 17.2  | 25.8  |
| 229     | 22.7  | 18.7  | 28.1  |





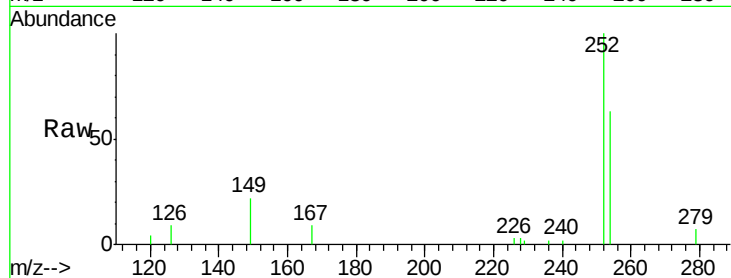
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.27 ng  
 RT: 21.21 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: BM003747.D  
 Acq: 23 Dec 2015 18:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

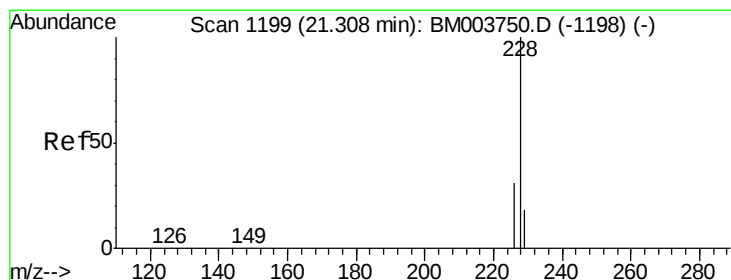
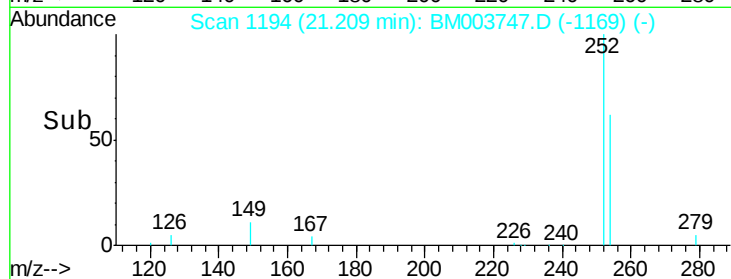
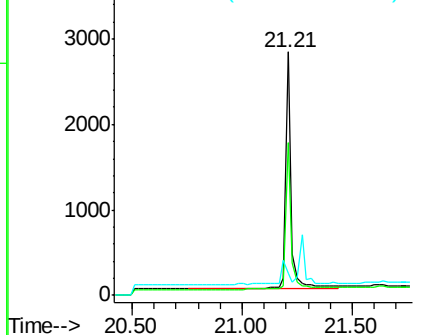
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.8  | 52.6  | 79.0  |
| 126     | 9.3   | 3.7   | 5.5   |

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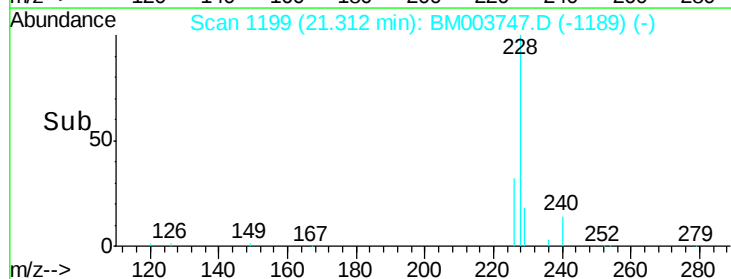
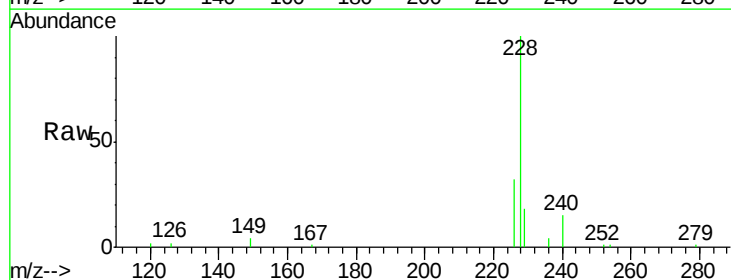
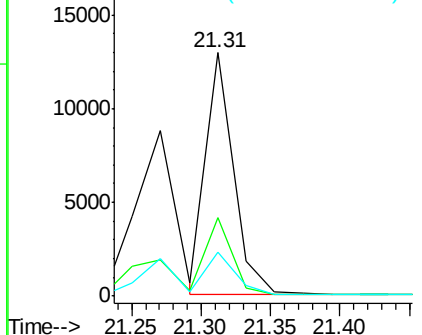
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

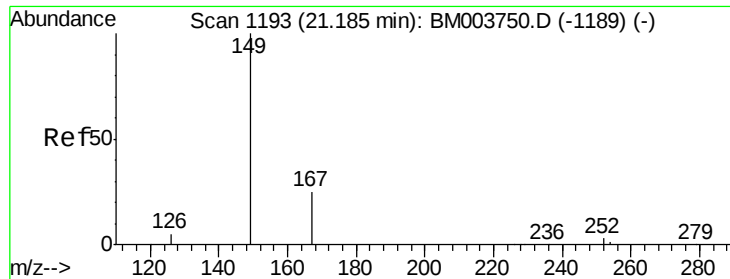


#32  
 Chrysene  
 Concen: 0.29 ng m  
 RT: 21.31 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BM003747.D  
 Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.3  | 25.3  | 37.9  |
| 229     | 18.0  | 14.5  | 21.7  |

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: 0.27 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003747.D

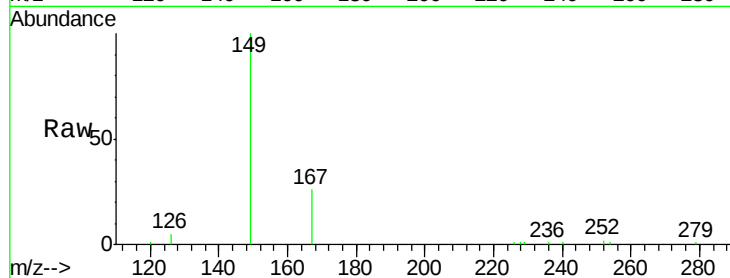
Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

ClientSampleId :

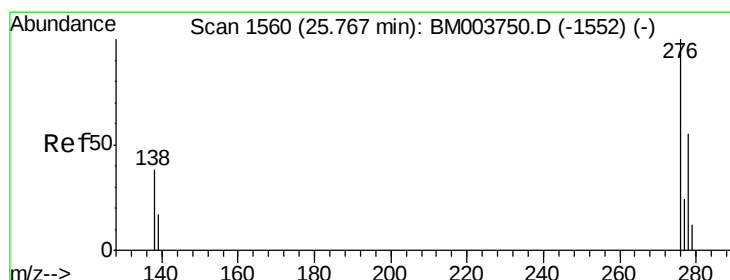
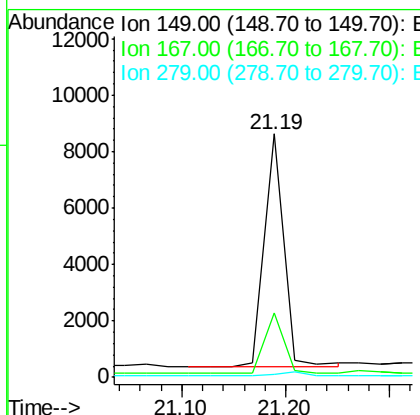
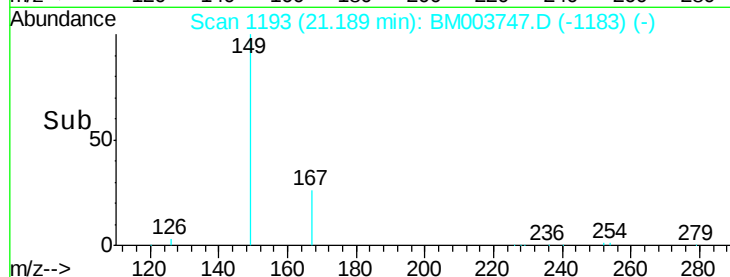
SSTDIC0.2



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 10867 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.5  | 20.1  | 30.1  |
| 279       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#34

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

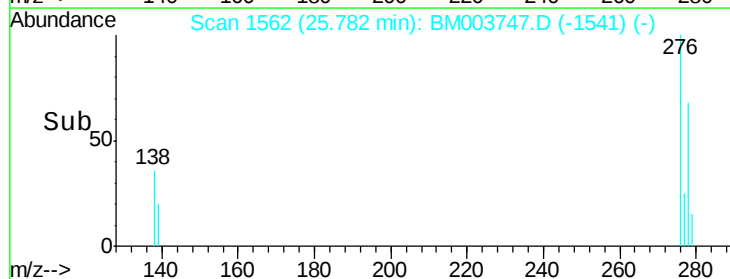
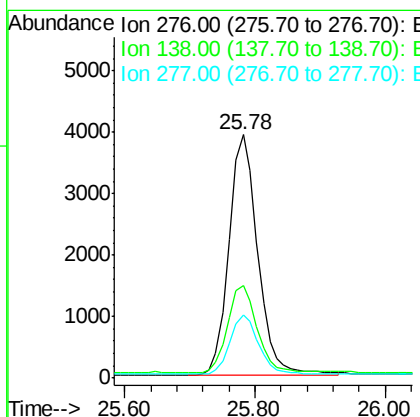
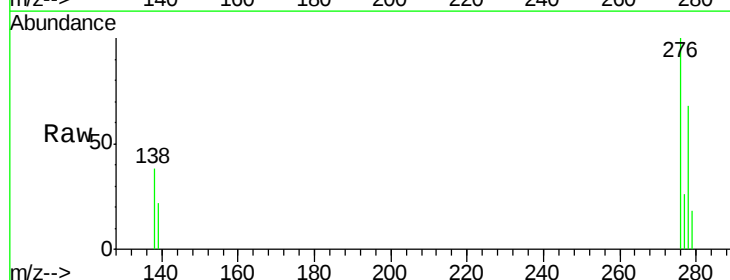
RT: 25.78 min Scan# 1562

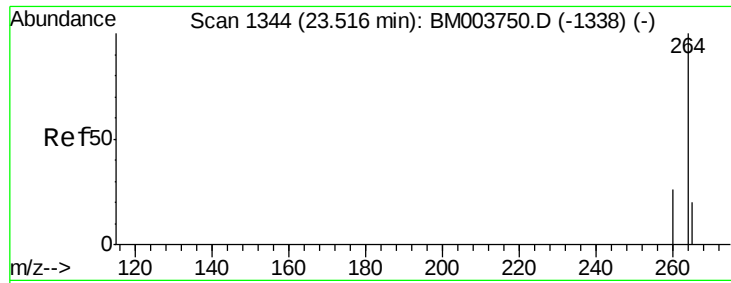
Delta R.T. 0.01 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 11969 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 36.9  | 30.2  | 45.2  |
| 277       | 24.8  | 19.8  | 29.8  |





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.53 min Scan# 1346

Delta R.T. 0.01 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

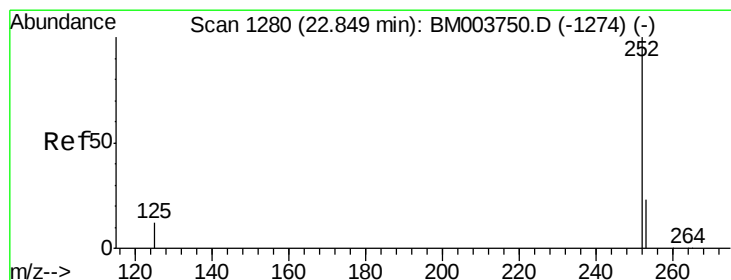
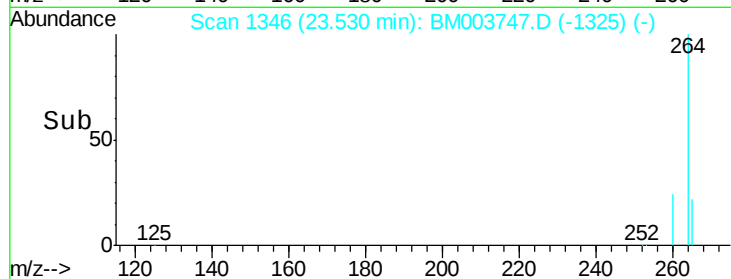
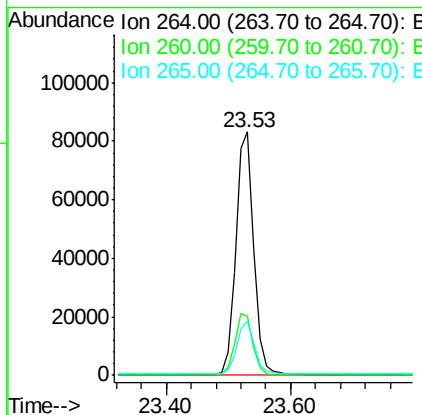
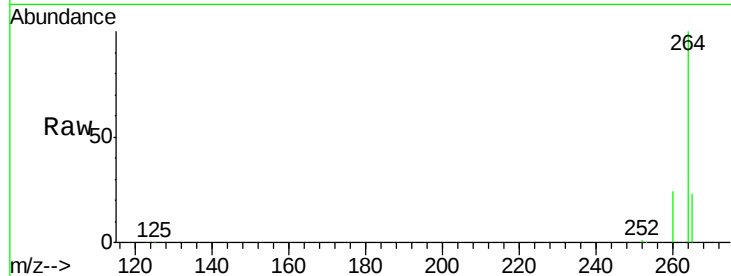
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 21.2  | 31.8  |
| 265     | 22.5  | 16.7  | 25.1  |

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#36

Benzo(b)fluoranthene

Concen: 0.26 ng

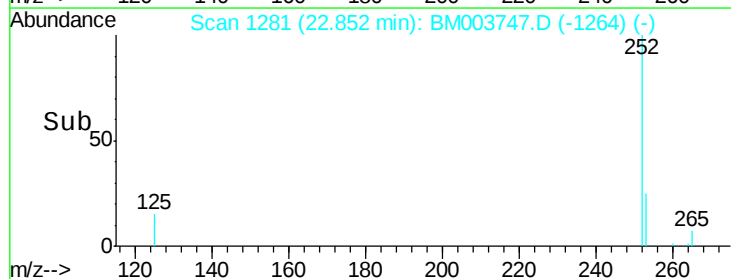
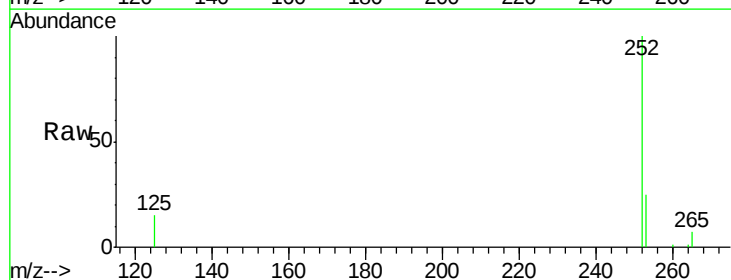
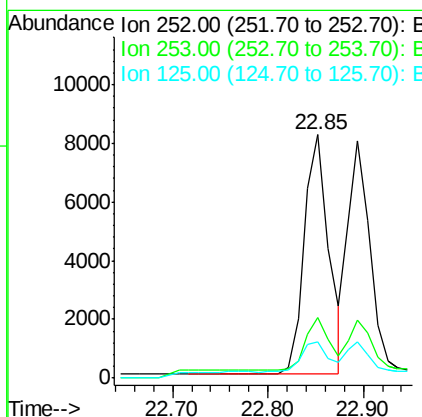
RT: 22.85 min Scan# 1281

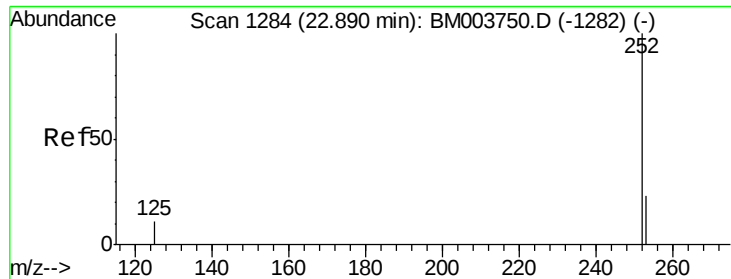
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 18.8  | 28.2  |
| 125     | 14.9  | 10.2  | 15.4  |





#37

Benzo(k)fluoranthene

Concen: 0.26 ng

RT: 22.89 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

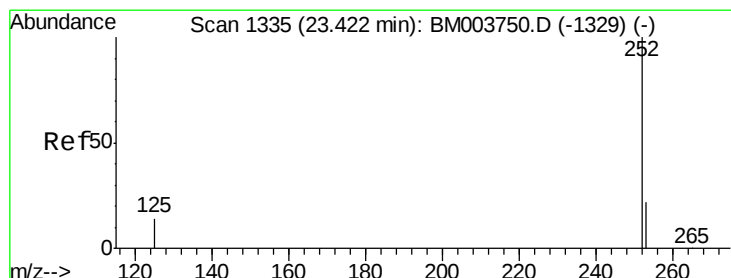
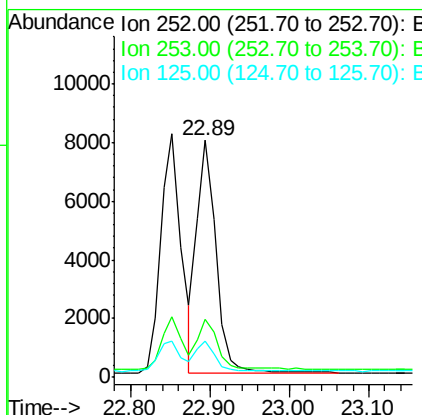
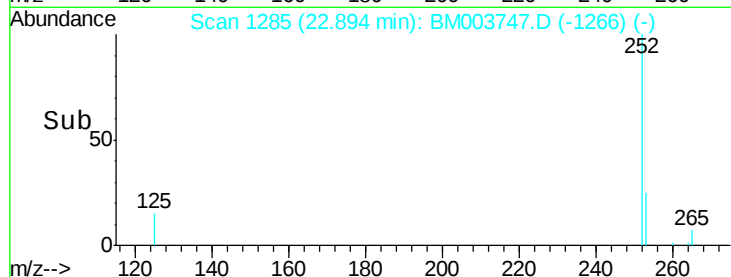
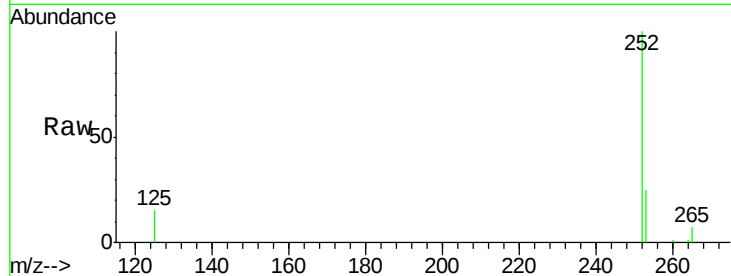
ClientSampleId :

SSTDICC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 13238 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.5  | 18.3  | 27.5  |
| 125       | 15.2  | 10.6  | 15.8  |

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#38

Benzo(a)pyrene

Concen: 0.26 ng

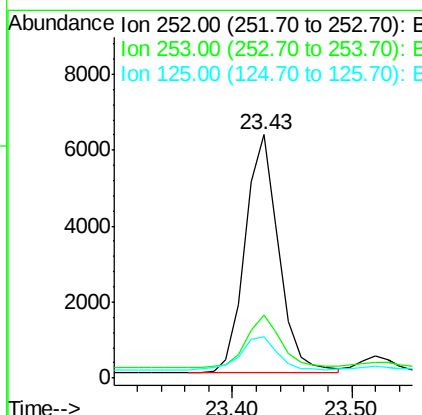
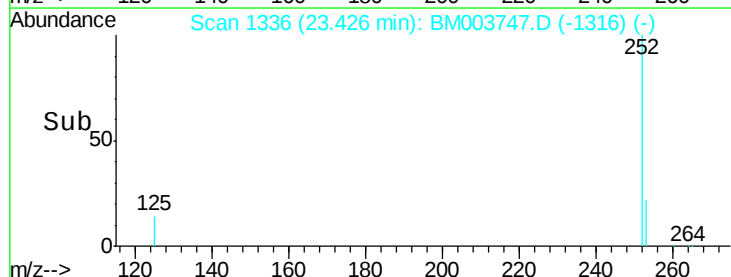
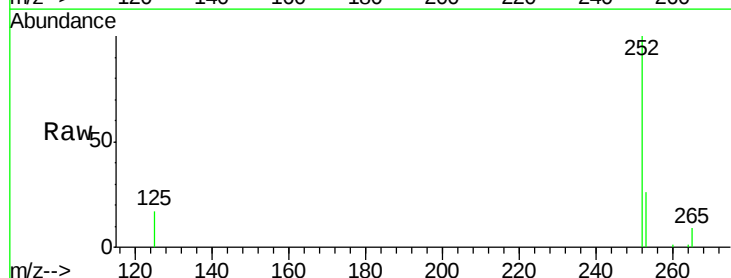
RT: 23.43 min Scan# 1336

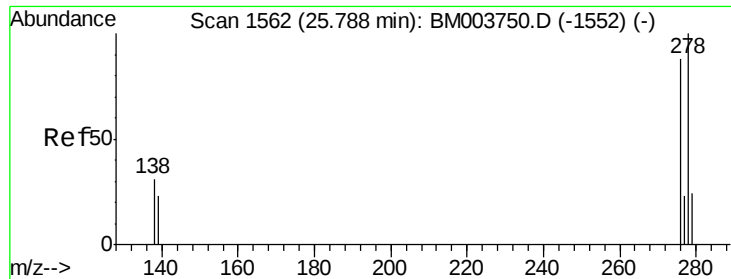
Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12181 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.2  | 18.7  | 28.1  |
| 125       | 16.9  | 11.8  | 17.8  |





#39

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 25.79 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

Instrument :

BNA\_M

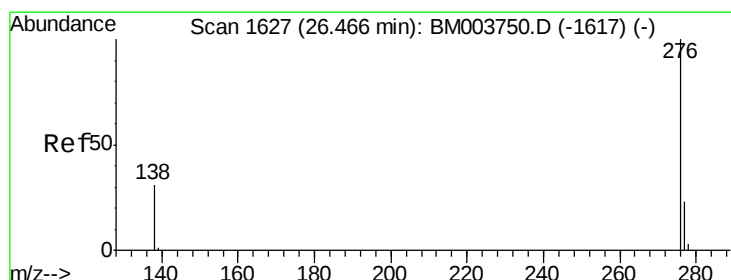
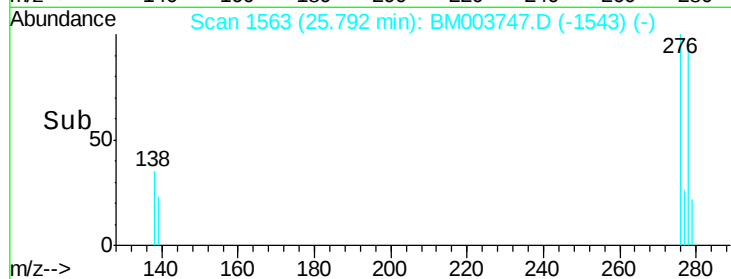
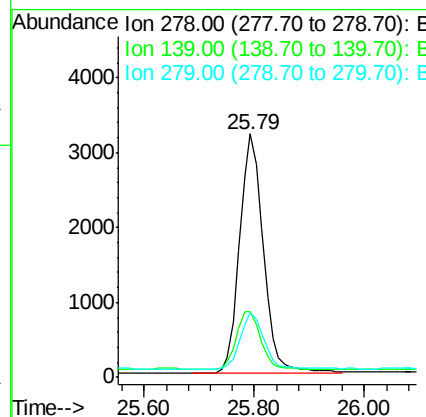
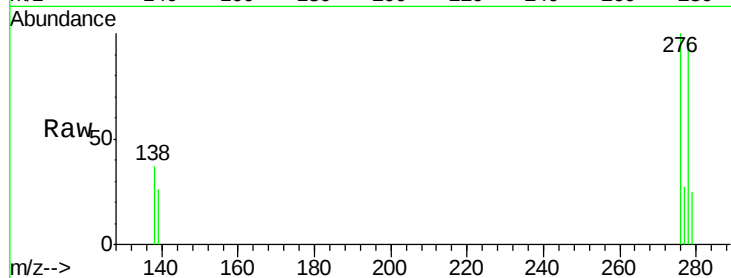
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 278   | Resp: | 9623 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 27.0  | 19.0  | 28.6 |
| 279       | 26.2  | 19.6  | 29.4 |

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#40

Benzo(g,h,i)perylene

Concen: 0.27 ng

RT: 26.47 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BM003747.D

Acq: 23 Dec 2015 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 10274 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.8  | 19.1  | 28.7  |
| 138       | 34.0  | 25.0  | 37.4  |

