

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\  
 Data File : BM003302.D  
 Acq On : 27 Nov 2015 11:53  
 Operator : UM/IZ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

Mmdadoda  
 11/30/2015 5:45:39 PM

Quant Time: Nov 27 16:26:59 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM112715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 27 16:09:55 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 67527    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 267686   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.37 | 164  | 115846   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.11 | 188  | 215947   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.33 | 240  | 161086   | 5.00 | ng    | 0.01     |
| 35) Perylene-d12          | 23.58 | 264  | 148230   | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.31  | 112 | 2750 | 0.19 | ng | 0.00 |
| 5) Phenol-d6                | 6.90  | 99  | 3026 | 0.20 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.89  | 82  | 2329 | 0.19 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330 | 361  | 0.20 | ng | 0.02 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 8449 | 0.20 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.76 | 244 | 4863 | 0.20 | ng | 0.00 |

|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.24  | 88  | 1469   | 0.18   | ng | 96    |
| 3) n-Nitrosodimethylamine      | 3.55  | 42  | 1253   | 0.20   | ng | # 98  |
| 6) bis(2-Chloroethyl)ether     | 7.16  | 93  | 3325   | 0.20   | ng | 100   |
| 9) Nitrobenzene                | 8.93  | 77  | 2456   | 0.19   | ng | 99    |
| 10) Naphthalene                | 10.56 | 128 | 12579  | 0.19   | ng | 98    |
| 11) Hexachlorobutadiene        | 10.87 | 225 | 1904m  | 0.18   | ng |       |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 7676   | 0.20   | ng | 93    |
| 16) Acenaphthylene             | 14.08 | 152 | 7889   | 0.20   | ng | 99    |
| 17) Acenaphthene               | 14.44 | 154 | 7571   | 0.19   | ng | # 100 |
| 18) Fluorene                   | 15.44 | 166 | 6952   | 0.20   | ng | 96    |
| 20) 4-Bromophenyl-phenylether  | 16.32 | 248 | 1742   | 0.21   | ng | # 34  |
| 21) Hexachlorobenzene          | 16.45 | 284 | 1787   | 0.21   | ng | # 51  |
| 22) Pentachlorophenol          | 16.78 | 266 | 520    | 0.17   | ng | 93    |
| 23) Phenanthrene               | 17.16 | 178 | 12062  | 0.21   | ng | # 95  |
| 24) Anthracene                 | 17.24 | 178 | 8085   | 0.20   | ng | 96    |
| 25) Fluoranthene               | 19.19 | 202 | 9939   | 0.20   | ng | 99    |
| 27) Benzidine                  | 19.38 | 184 | 1155   | 0.20   | ng | # 76  |
| 28) Pyrene                     | 19.55 | 202 | 10657  | 0.20   | ng | 99    |
| 30) Benzo(a)anthracene         | 21.31 | 228 | 8385m  | 0.19   | ng |       |
| 31) 3,3'-Dichlorobenzidine     | 21.25 | 252 | 1517   | 0.20   | ng | # 96  |
| 32) Chrysene                   | 21.35 | 228 | 11267m | 0.19   | ng |       |
| 33) Bis(2-ethylhexyl)phthalate | 21.23 | 149 | 3457   | 0.18   | ng | # 99  |
| 34) Indeno(1,2,3-cd)pyrene     | 25.85 | 276 | 7292   | 0.20   | ng | # 81  |
| 36) Benzo(b)fluoranthene       | 22.89 | 252 | 9266   | 0.21   | ng | # 93  |
| 37) Benzo(k)fluoranthene       | 22.95 | 252 | 7197   | 0.16   | ng | # 91  |
| 38) Benzo(a)pyrene             | 23.48 | 252 | 6494   | 0.20   | ng | # 89  |
| 39) Dibenzo(a,h)anthracene     | 25.88 | 278 | 5266   | 0.20   | ng | # 90  |
| 40) Benzo(g,h,i)perylene       | 26.55 | 276 | 7138   | 0.20   | ng | # 92  |

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

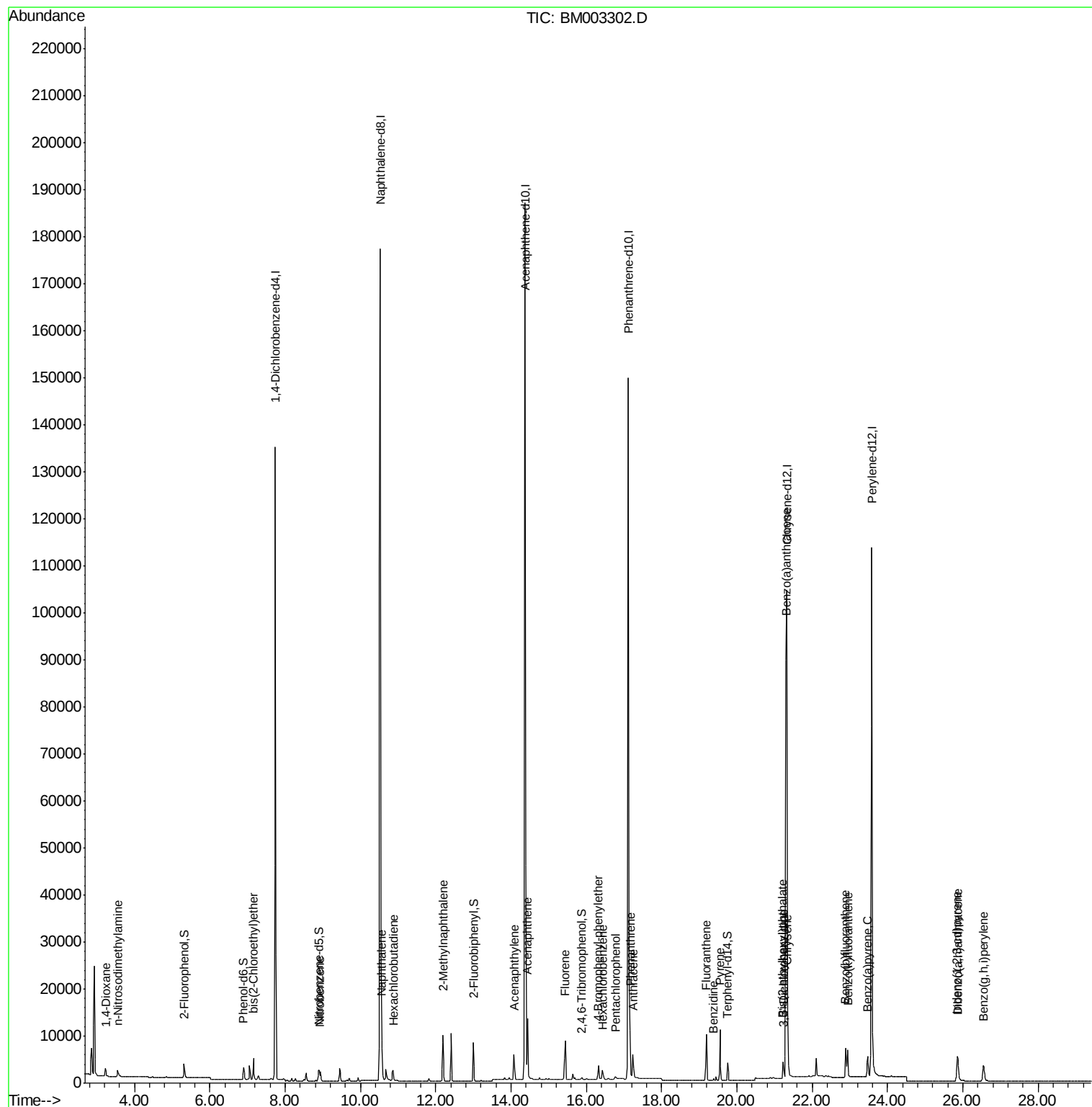
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\  
Data File : BM003302.D  
Acq On : 27 Nov 2015 11:53  
Operator : UM/IZ  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

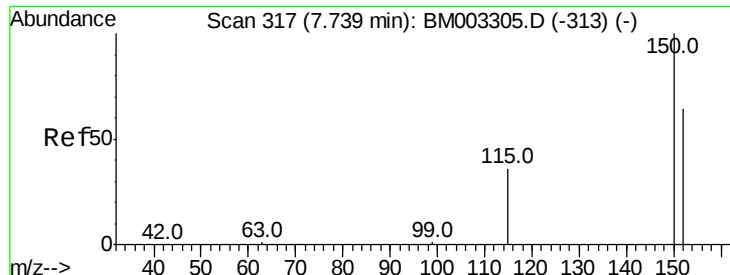
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC0.2

Manual Integrations  
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Quant Time: Nov 27 16:26:59 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM112715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 27 16:09:55 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.74 min Scan# 317

Delta R.T. -0.00 min

Lab File: BM003302.D

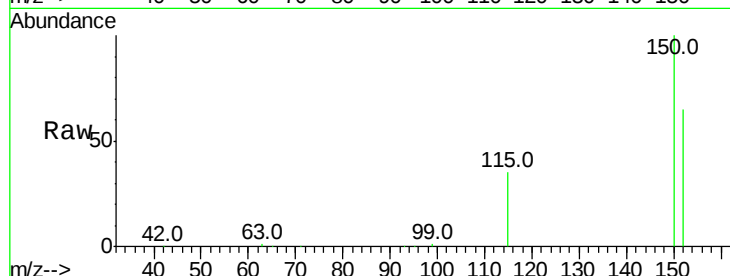
Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

ClientSampleId :

SSTDICC0.2



Tot Ion:152 Resp: 67527

Ion Ratio Lower Upper

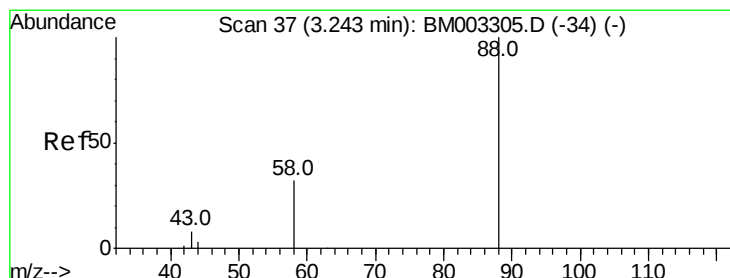
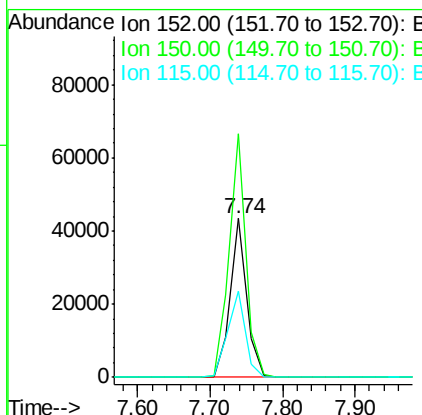
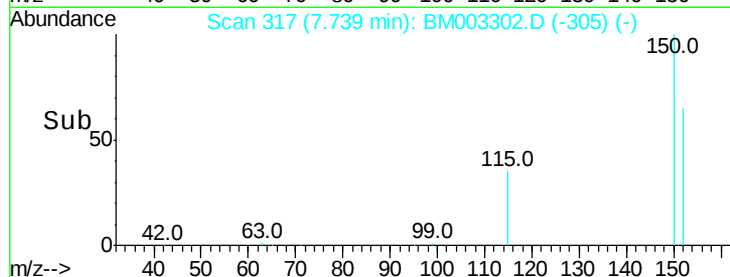
152 100

150 153.1 143.6 215.4

115 54.0 58.5 87.7#

Manual Integrations  
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#2

1,4-Dioxane

Concen: 0.18 ng

RT: 3.24 min Scan# 37

Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

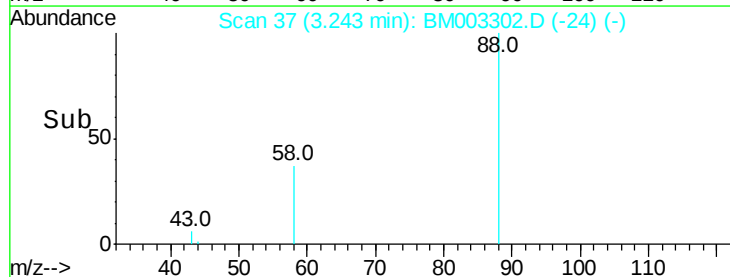
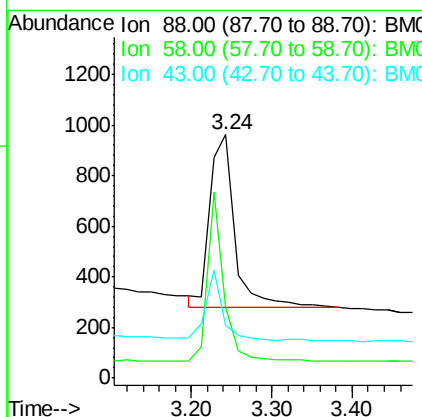
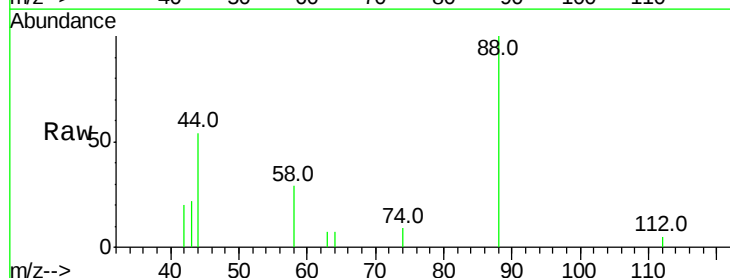
Tgt Ion: 88 Resp: 1469

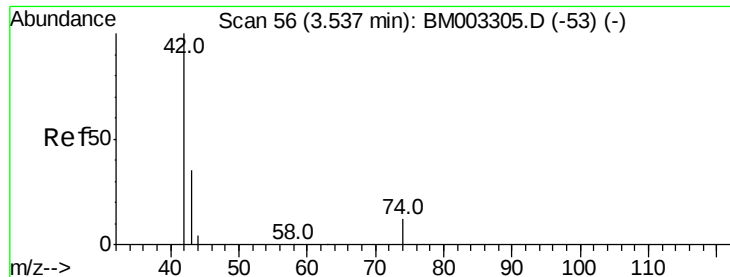
Ion Ratio Lower Upper

88 100

58 64.8 55.2 82.8

43 27.8 21.8 32.6





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.55 min Scan# 57

Delta R.T. 0.02 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

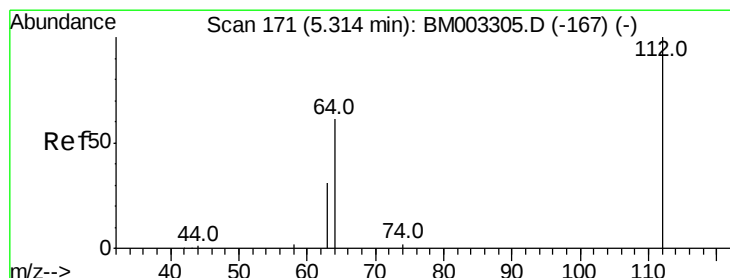
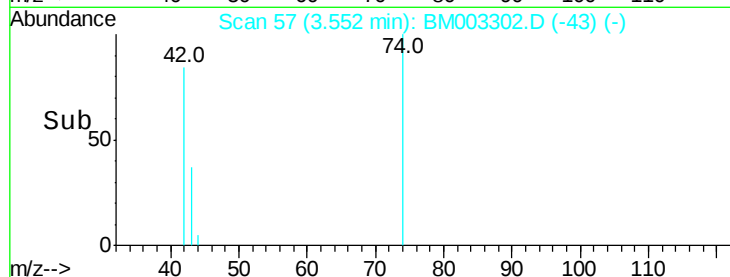
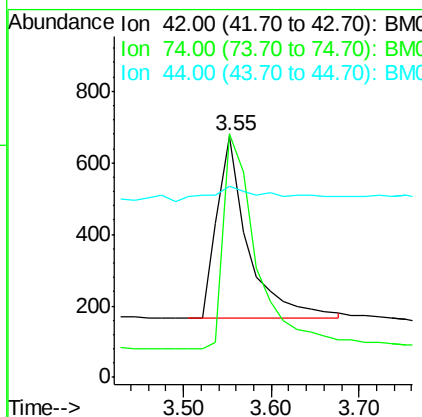
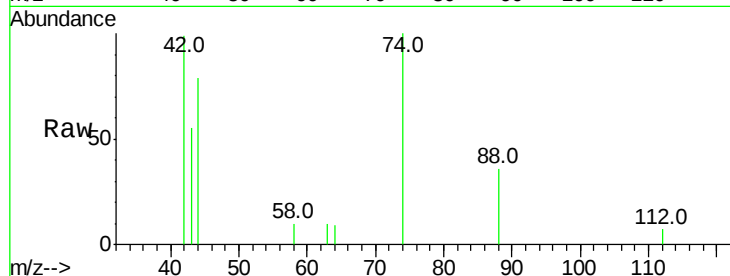
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1253  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 126.0 | 101.0 | 151.4 |
| 44       | 17.5  | 6.3   | 9.5#  |

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#4

2-Fluorophenol

Concen: 0.19 ng

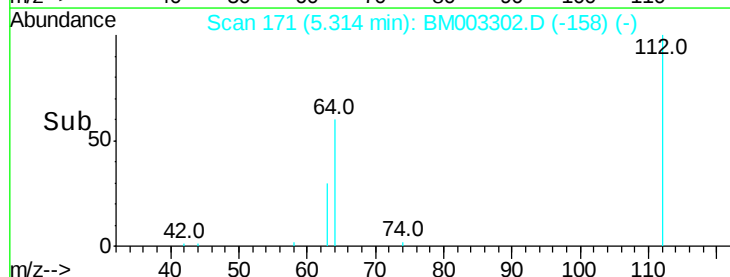
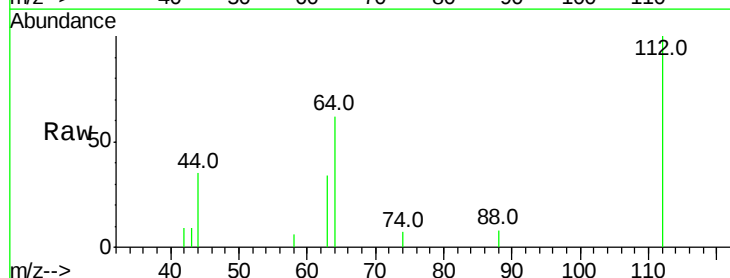
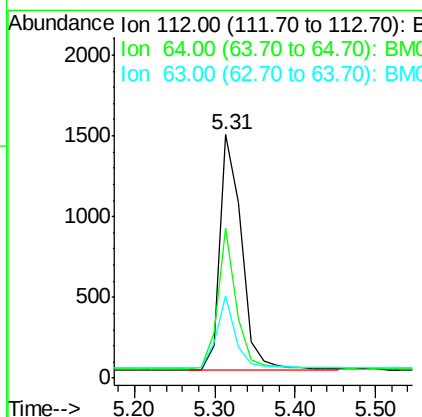
RT: 5.31 min Scan# 171

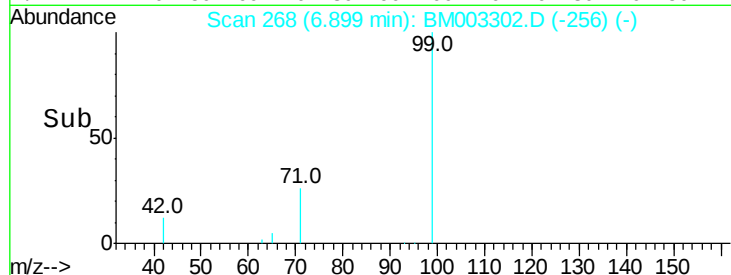
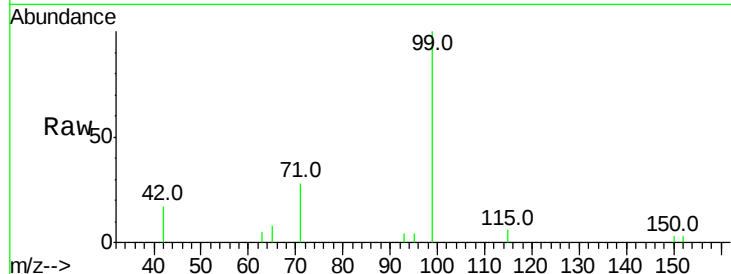
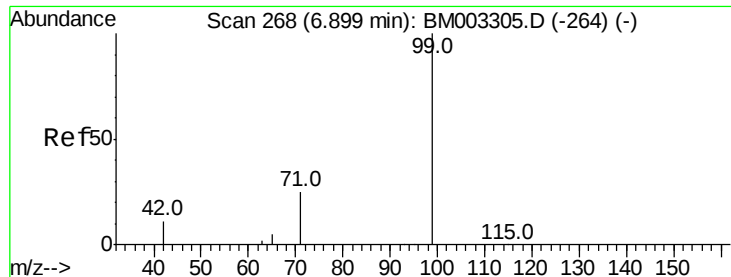
Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 2750  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.0  | 41.2  | 61.8  |
| 63       | 27.1  | 21.2  | 31.8  |





#5

Phenol-d6

Concen: 0.20 ng

RT: 6.90 min Scan# 268

Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 3026  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.7  | 14.6  | 22.0  |
| 71       | 29.4  | 23.3  | 34.9  |

Instrument :

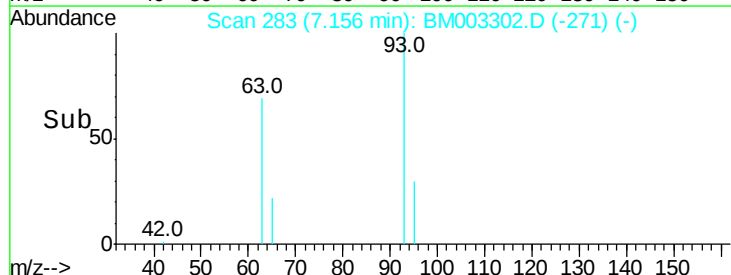
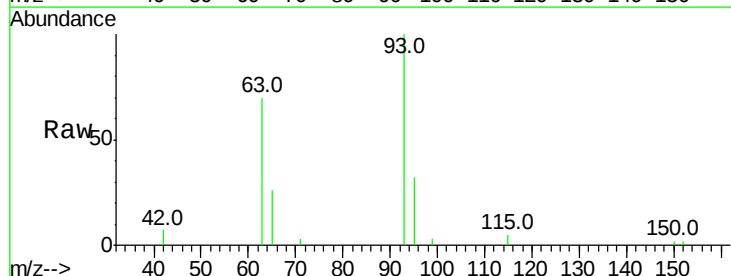
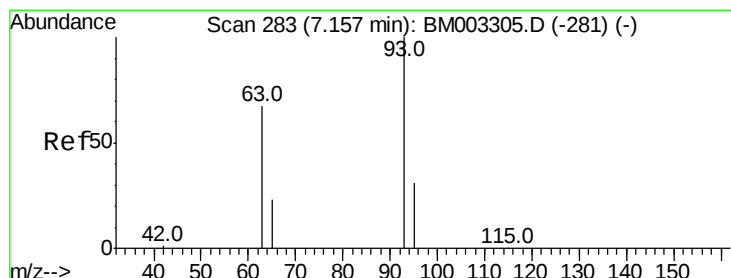
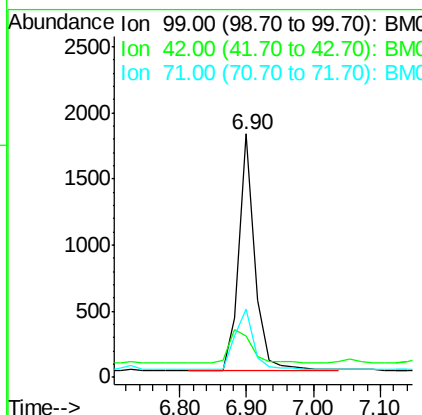
BNA\_M

ClientSampleId :

SSTDIC0.2

Manual Integrations  
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#6

bis(2-Chloroethyl)ether

Concen: 0.20 ng

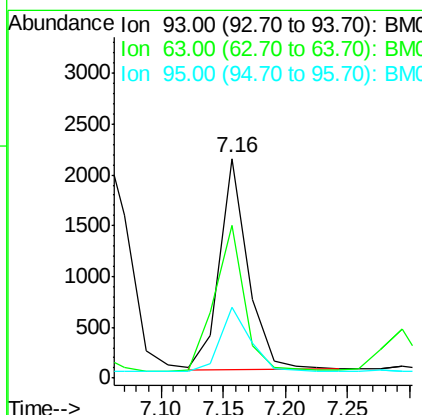
RT: 7.16 min Scan# 283

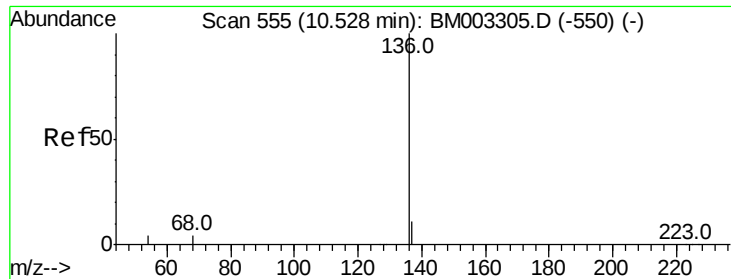
Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3325  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 72.8  | 58.2  | 87.4  |
| 95       | 32.8  | 26.2  | 39.4  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM003302.D

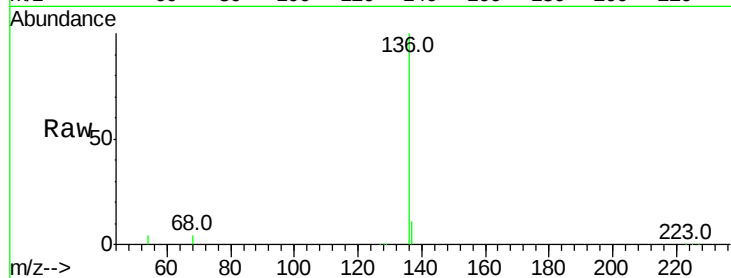
Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

ClientSampleId :

SSTDIC0.2



Tot Ion: 136 Resp: 267686

Ion Ratio Lower Upper

136 100

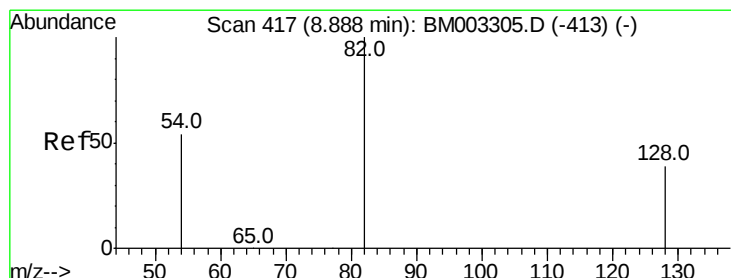
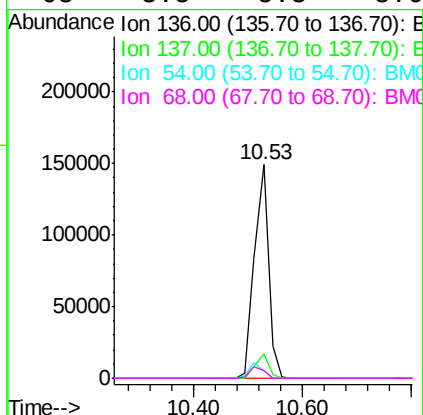
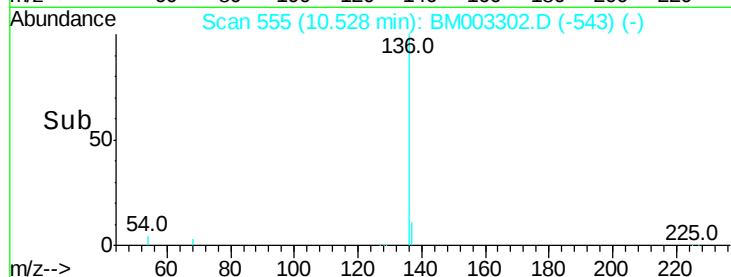
137 11.3 8.0 12.0

54 3.9 7.4 11.0#

68 3.5 5.8 8.6#

Manual Integrations  
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#8

Nitrobenzene-d5

Concen: 0.19 ng

RT: 8.89 min Scan# 417

Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

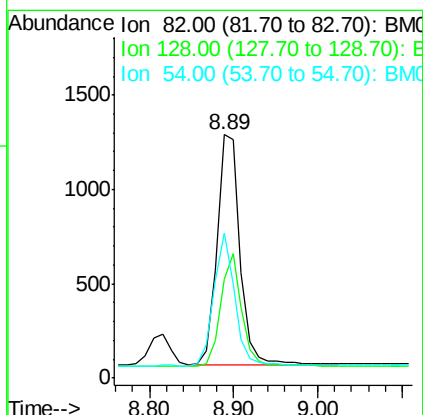
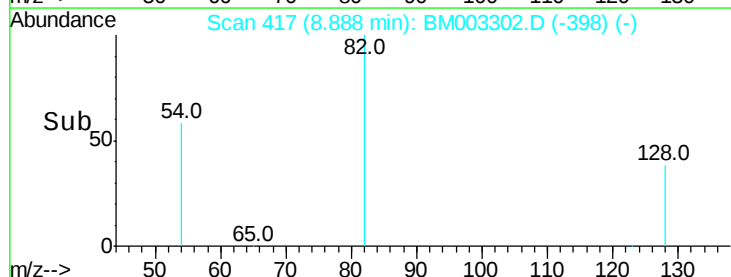
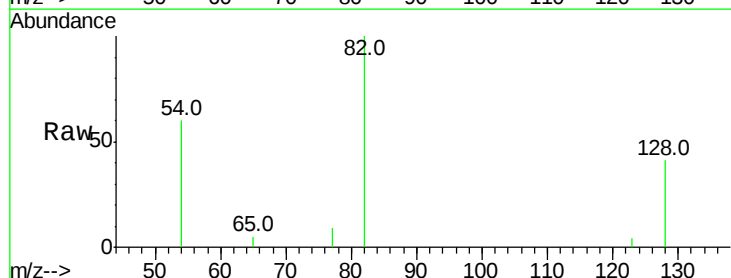
Tgt Ion: 82 Resp: 2329

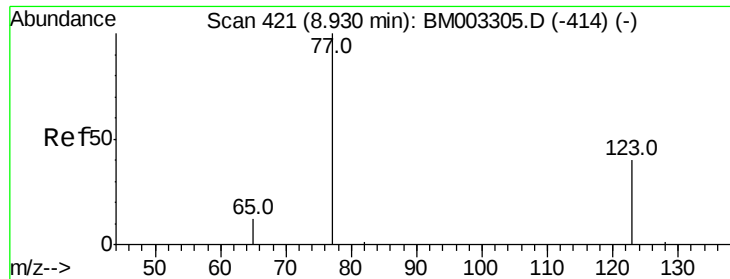
Ion Ratio Lower Upper

82 100

128 40.5 35.2 52.8

54 59.6 36.4 54.6#





#9

Nitrobenzene

Concen: 0.19 ng

RT: 8.93 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

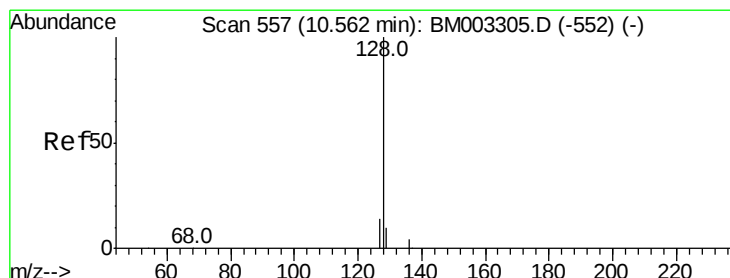
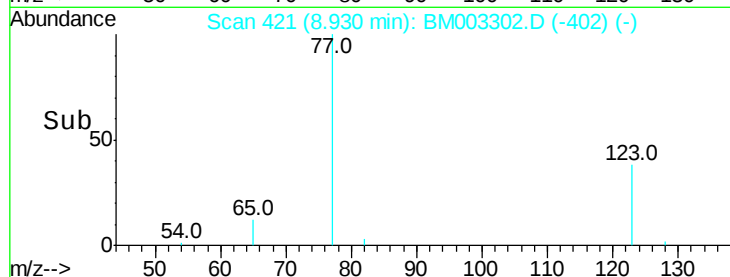
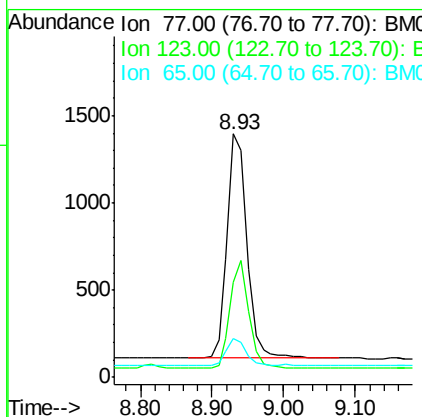
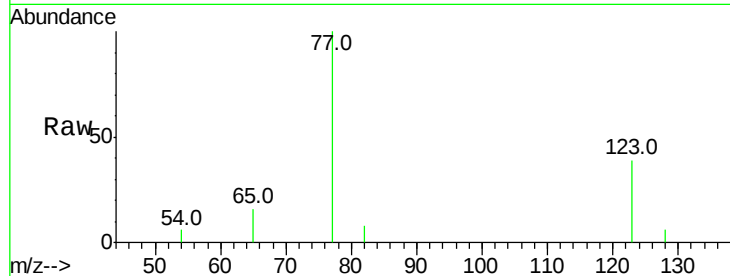
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 2456  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 46.3  | 37.7  | 56.5  |
| 65       | 11.8  | 9.8   | 14.6  |

Manual Integrations  
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11/30/2015 5:45:39 PM



#10

Naphthalene

Concen: 0.19 ng

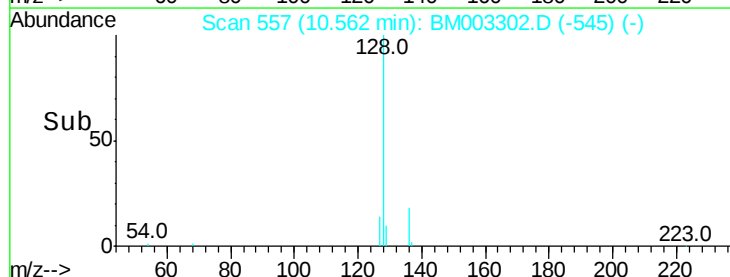
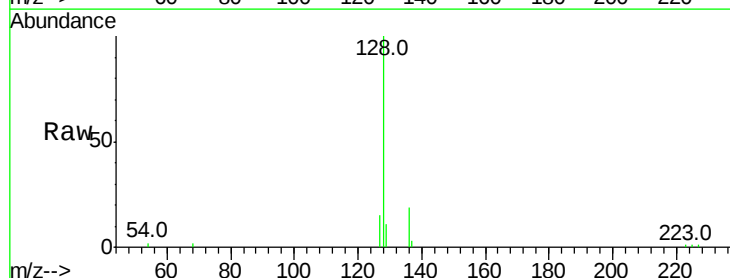
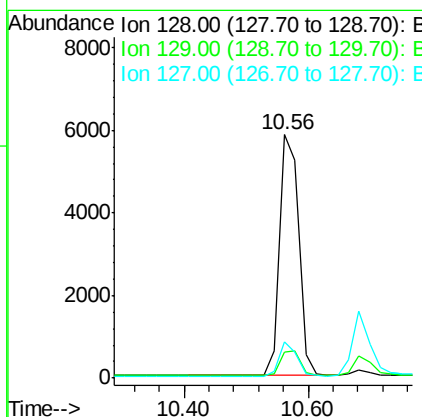
RT: 10.56 min Scan# 557

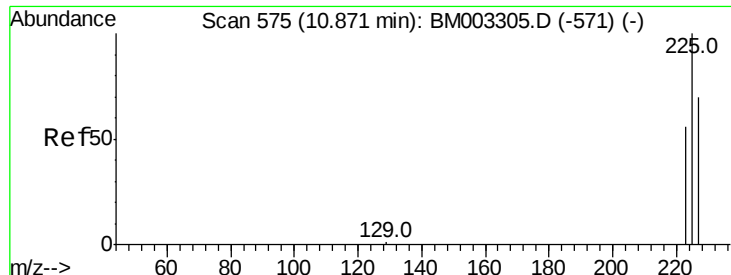
Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12579 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.8  | 8.5   | 12.7  |
| 127      | 14.9  | 10.6  | 16.0  |





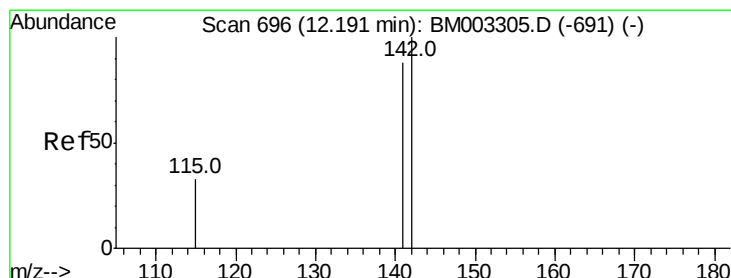
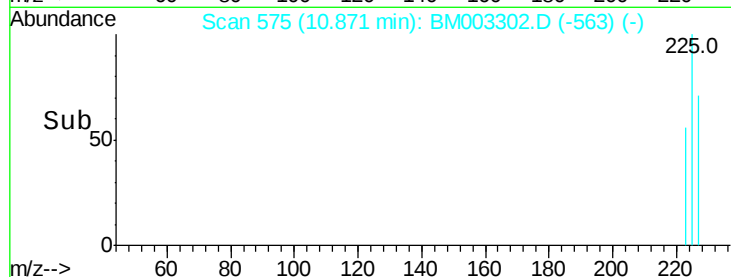
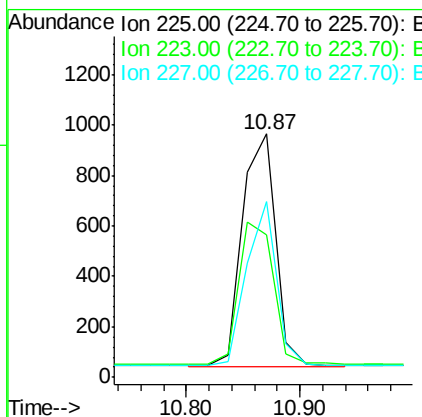
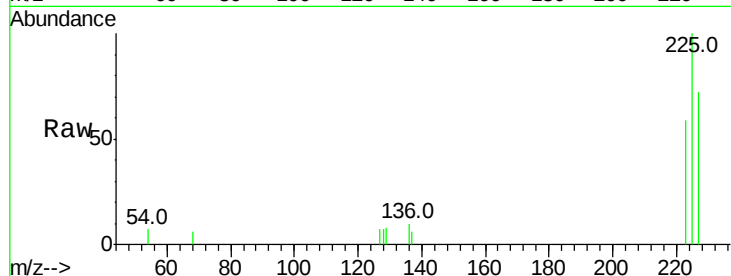
#11  
Hexachlorobutadiene  
Concen: 0.18 ng m  
RT: 10.87 min Scan# 575  
Delta R.T. -0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 94.6  | 53.0  | 79.4# |
| 227     | 85.2  | 52.2  | 78.4# |

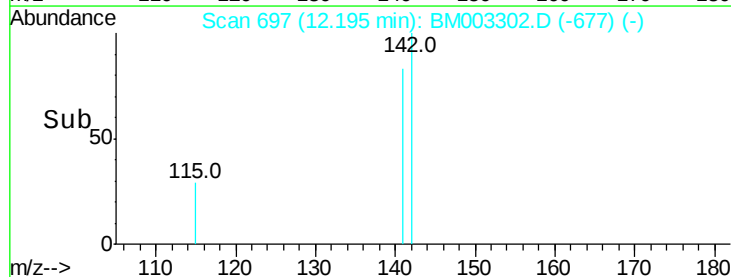
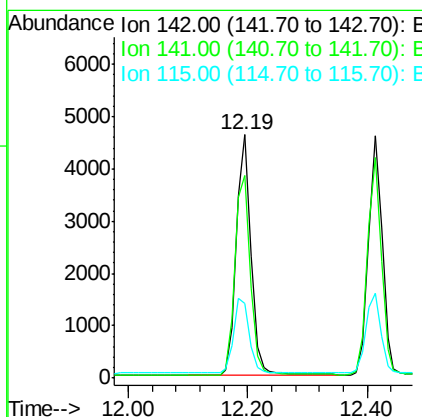
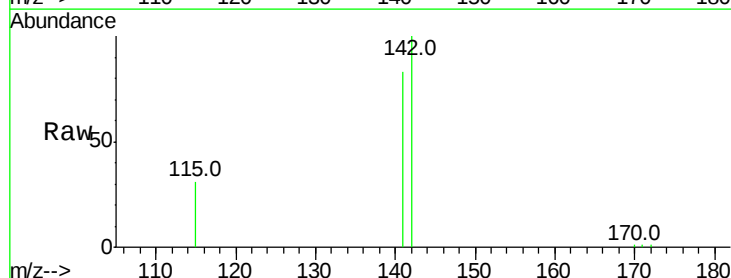
Manual Integrations  
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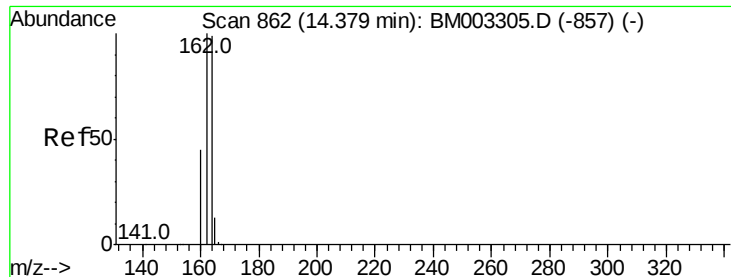
Mmdadoda  
11/30/2015 5:45:39 PM



#12  
2-Methylnaphthalene  
Concen: 0.20 ng  
RT: 12.19 min Scan# 697  
Delta R.T. 0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 83.1  | 72.2  | 108.2 |
| 115     | 30.8  | 28.0  | 42.0  |





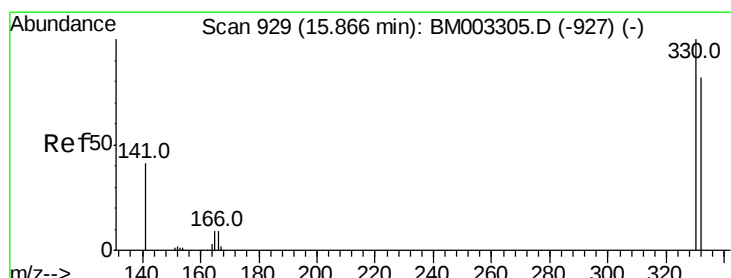
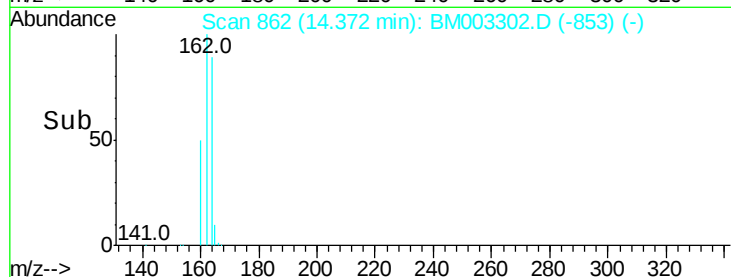
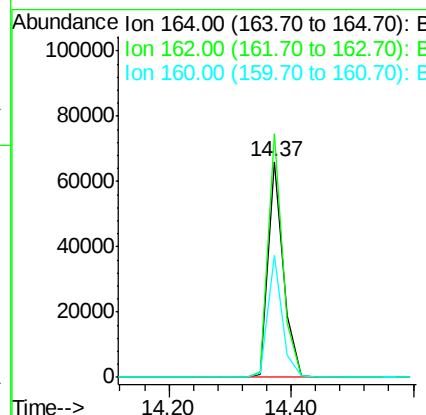
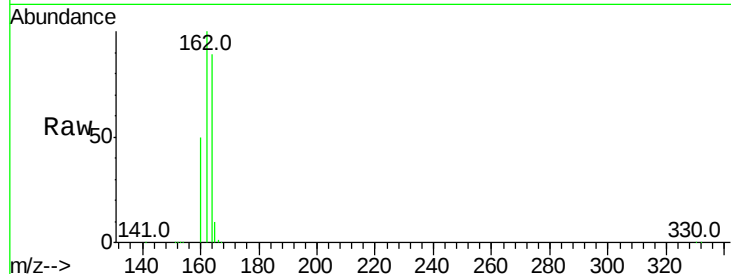
#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.37 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 112.7 | 78.3  | 117.5 |
| 160     | 56.3  | 33.8  | 50.6  |

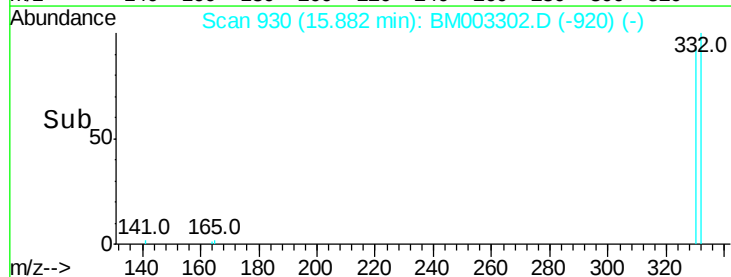
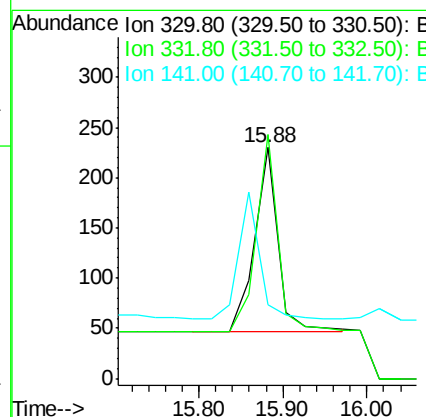
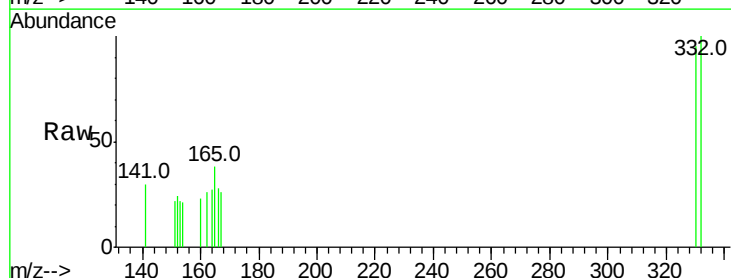
Manual Integrations  
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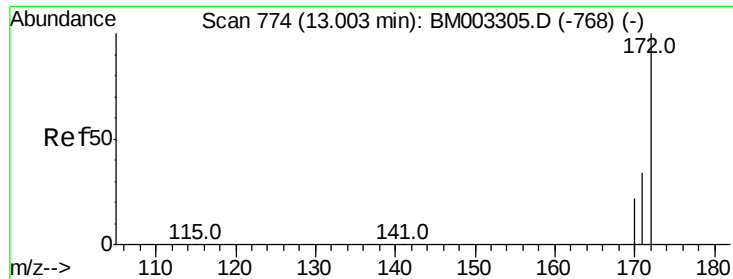
Mmdadoda  
11/30/2015 5:45:39 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.20 ng  
RT: 15.88 min Scan# 930  
Delta R.T. 0.02 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 76.0  | 114.0 |
| 141     | 0.0   | 0.0   | 0.0   |





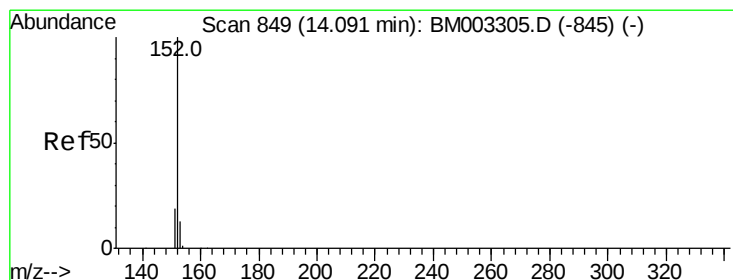
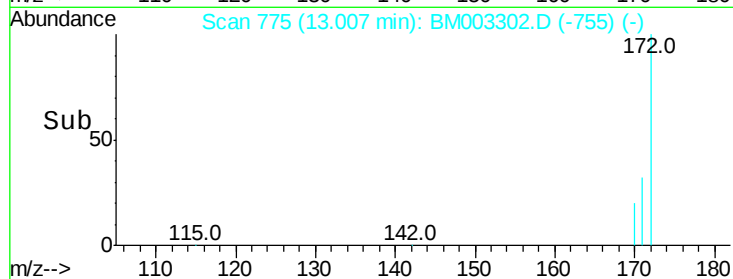
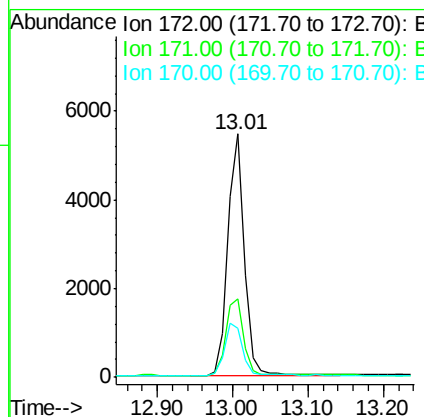
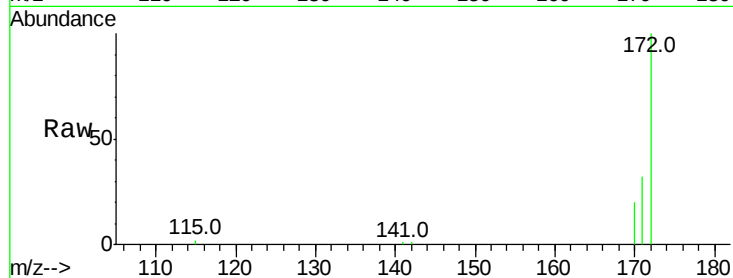
#15  
2-Fluorobiphenyl  
Concen: 0.20 ng  
RT: 13.01 min Scan# 775  
Delta R.T. 0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.3  | 28.0  | 42.0  |
| 170     | 20.4  | 18.9  | 28.3  |

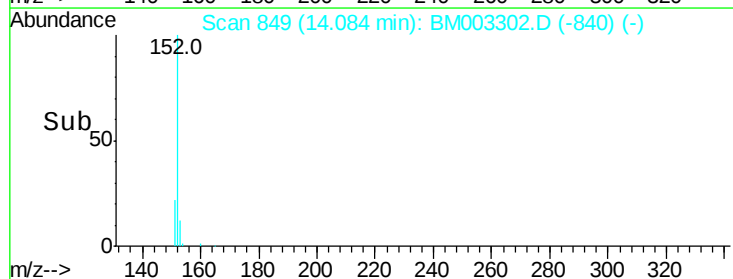
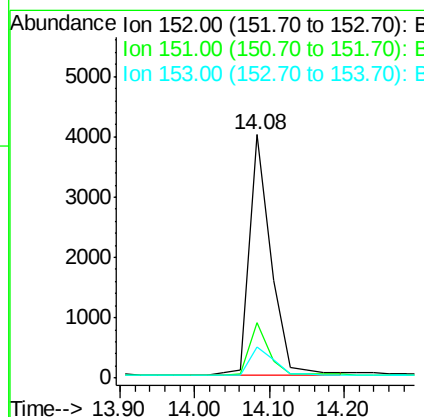
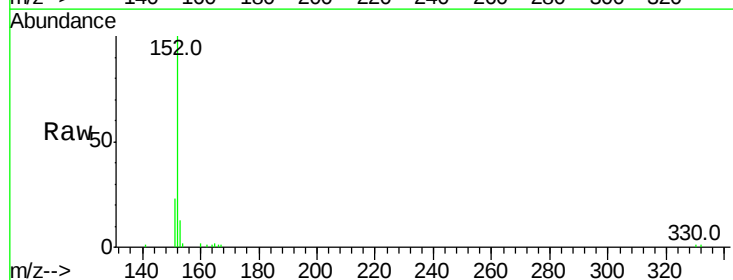
Manual Integrations  
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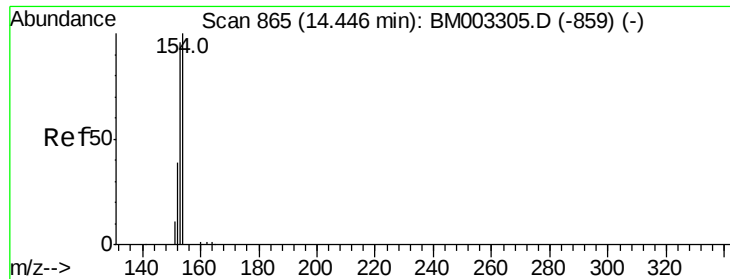
Mmdadoda  
11/30/2015 5:45:39 PM



#16  
Acenaphthylene  
Concen: 0.20 ng  
RT: 14.08 min Scan# 849  
Delta R.T. -0.01 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.2  | 22.8  |
| 153     | 12.8  | 10.4  | 15.6  |





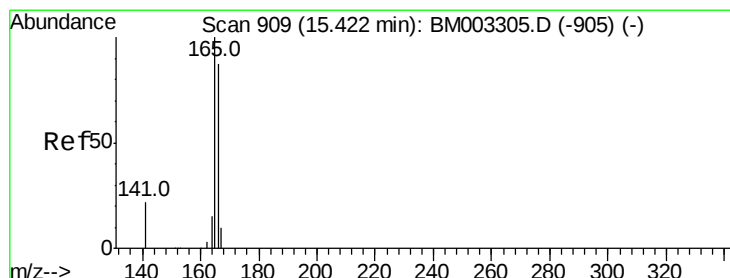
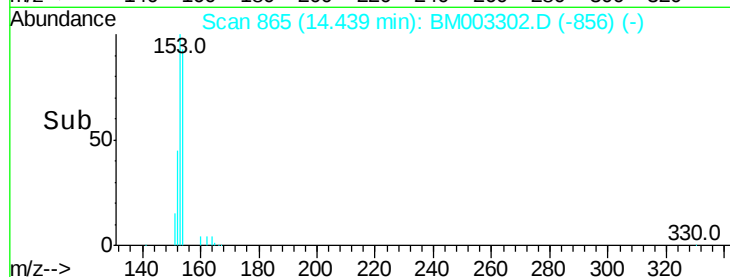
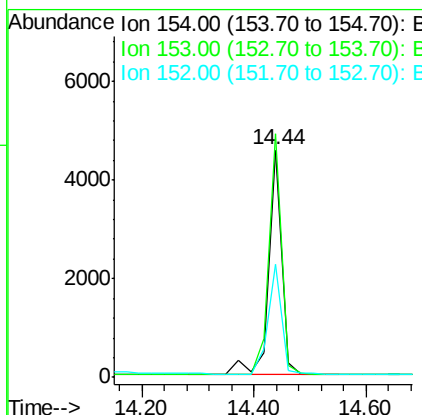
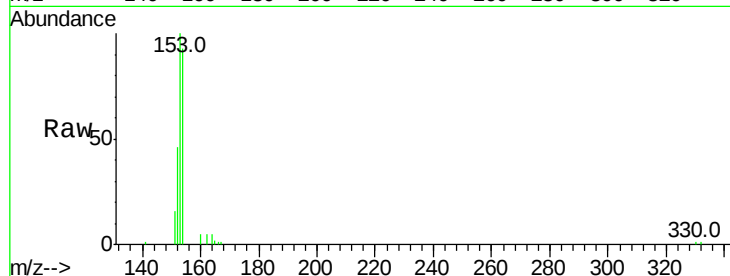
#17  
Acenaphthene  
Concen: 0.19 ng  
RT: 14.44 min Scan# 865  
Delta R.T. -0.01 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 103.5 | 0.0   | 0.0#  |
| 152     | 49.5  | 0.0   | 0.0#  |

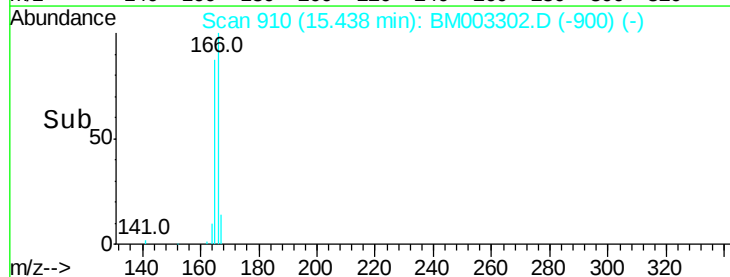
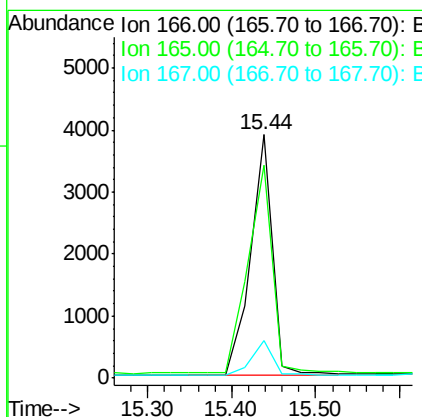
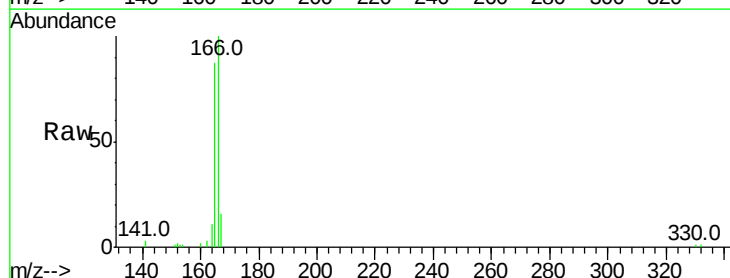
Manual Integrations  
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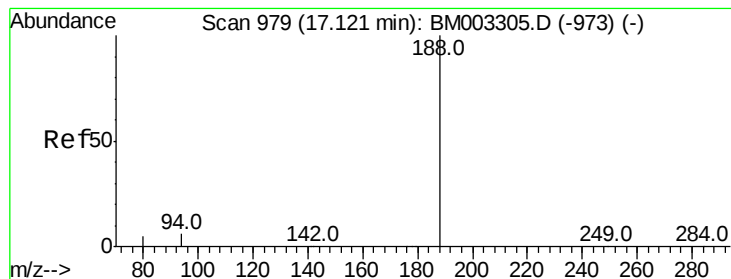
Mmdadoda  
11/30/2015 5:45:39 PM



#18  
Fluorene  
Concen: 0.20 ng  
RT: 15.44 min Scan# 910  
Delta R.T. 0.02 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.0  | 80.8  | 121.2 |
| 167     | 13.6  | 10.5  | 15.7  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

ClientSampleId :

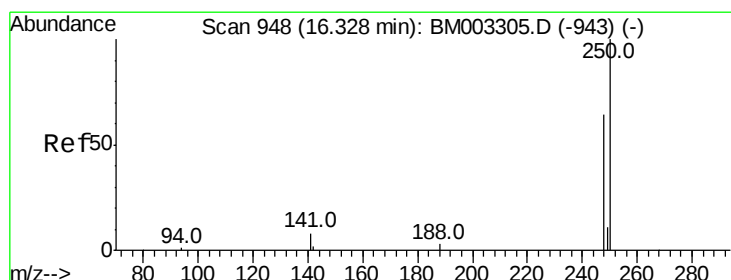
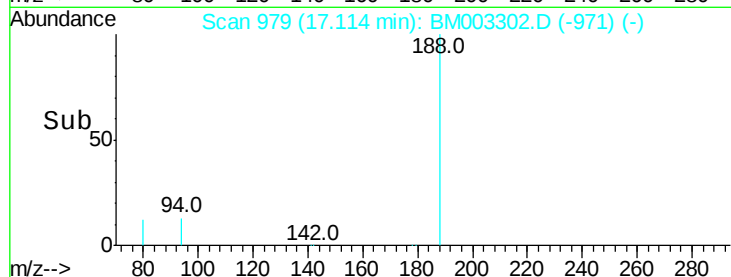
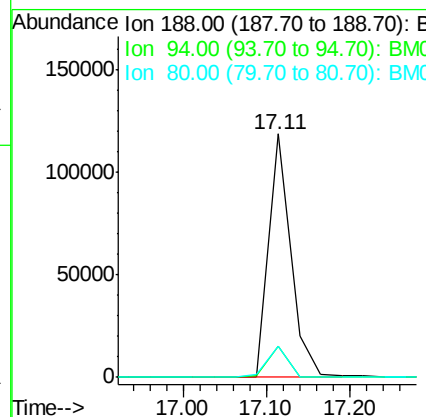
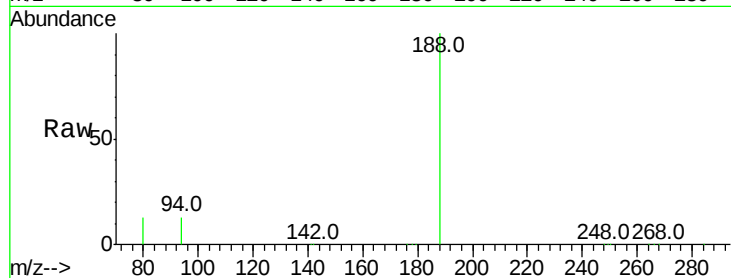
SSTDIC0.2

Tot Ion:188 Resp: 215947  
Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 188 | 100  |     |      |
| 94  | 12.9 | 1.8 | 2.6# |
| 80  | 12.5 | 1.4 | 2.0# |

Manual Integrations  
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#20

4-Bromophenyl-phenylether

Concen: 0.21 ng

RT: 16.32 min Scan# 948

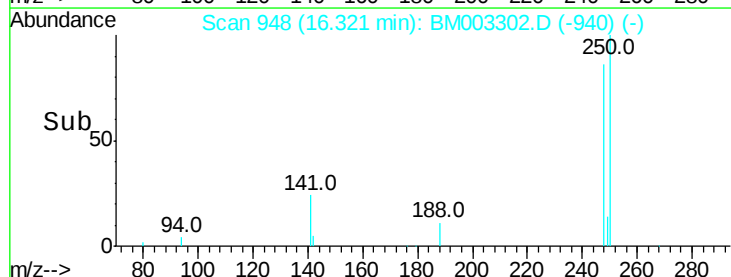
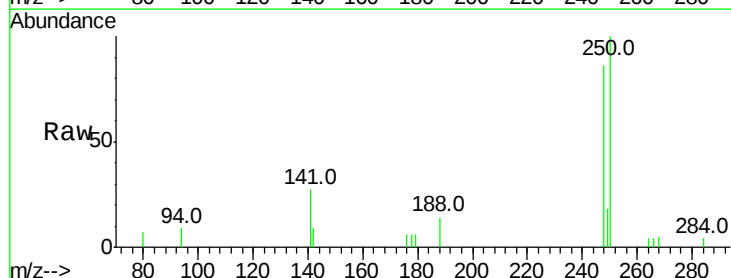
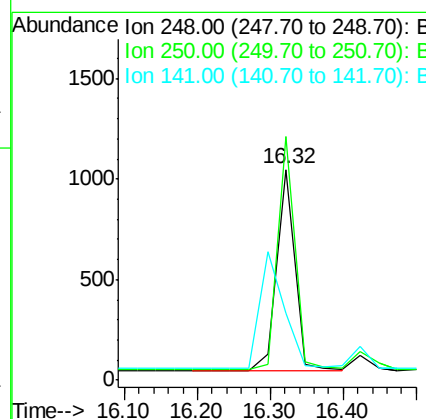
Delta R.T. -0.01 min

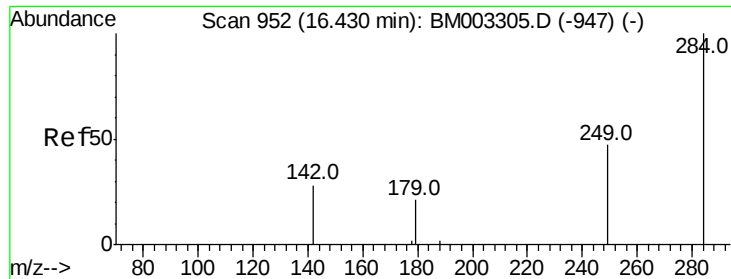
Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Tgt Ion:248 Resp: 1742  
Ion Ratio Lower Upper

|     |       |      |        |
|-----|-------|------|--------|
| 248 | 100   |      |        |
| 250 | 110.5 | 65.4 | 98.0#  |
| 141 | 0.0   | 72.8 | 109.2# |





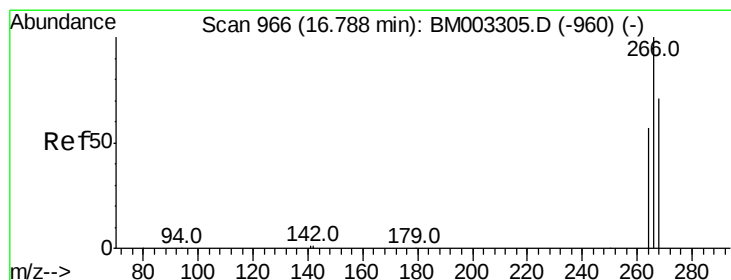
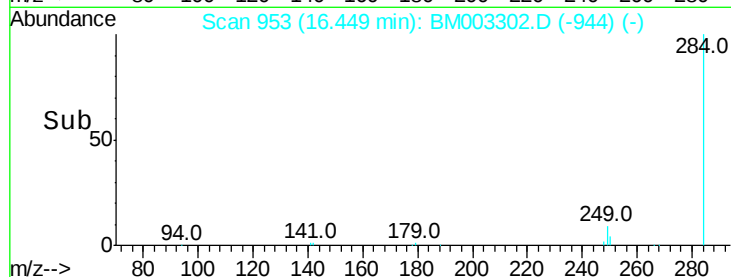
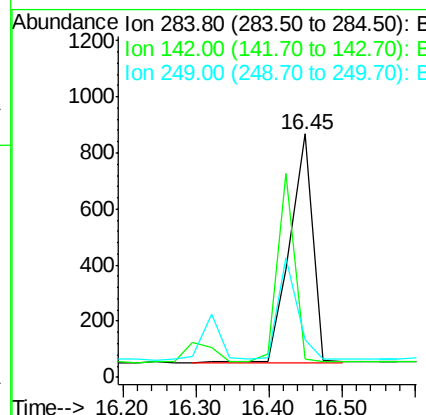
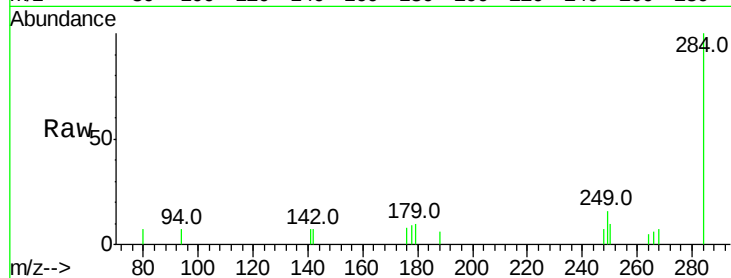
#21  
Hexachlorobenzene  
Concen: 0.21 ng  
RT: 16.45 min Scan# 953  
Delta R.T. 0.02 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 0.0   | 0.0   |
| 249     | 0.0   | 19.4  | 29.2# |

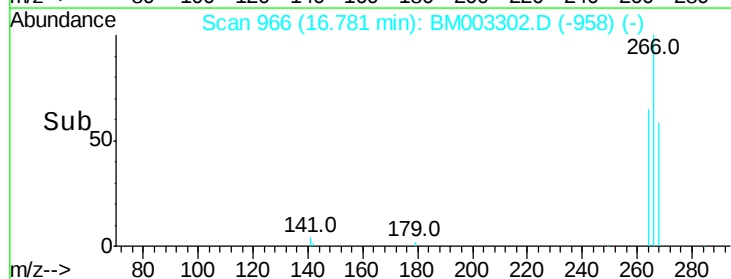
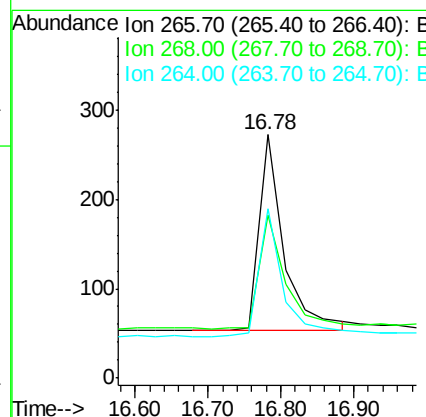
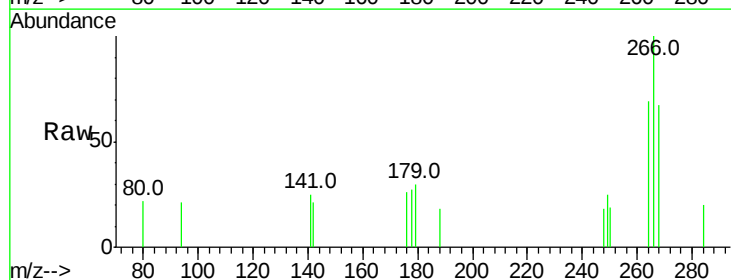
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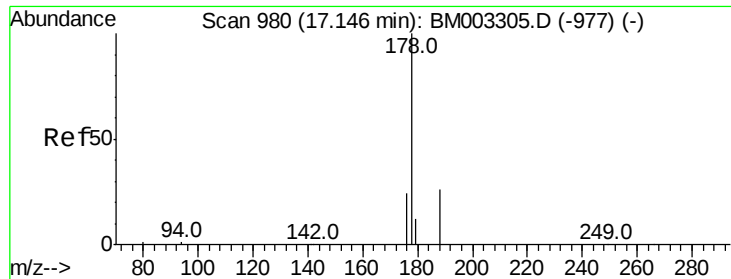
Mmdadoda  
11/30/2015 5:45:39 PM



#22  
Pentachlorophenol  
Concen: 0.17 ng  
RT: 16.78 min Scan# 966  
Delta R.T. -0.01 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.9  | 45.8  | 68.8  |
| 264     | 69.5  | 56.7  | 85.1  |





#23

Phenanthrene

Concen: 0.21 ng

RT: 17.16 min Scan# 981

Delta R.T. 0.02 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

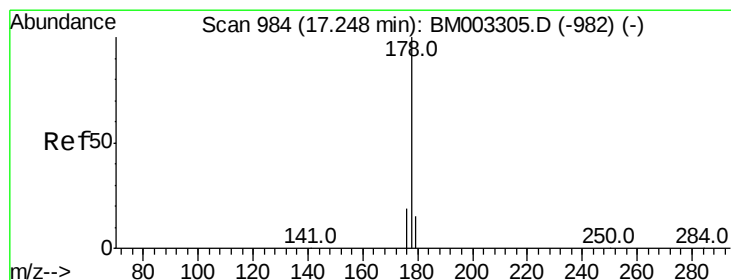
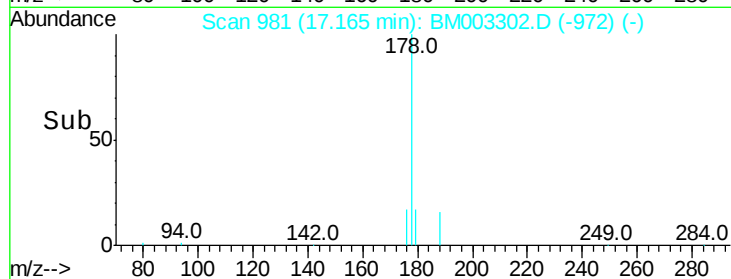
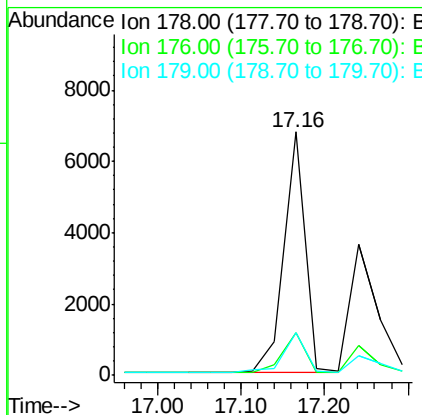
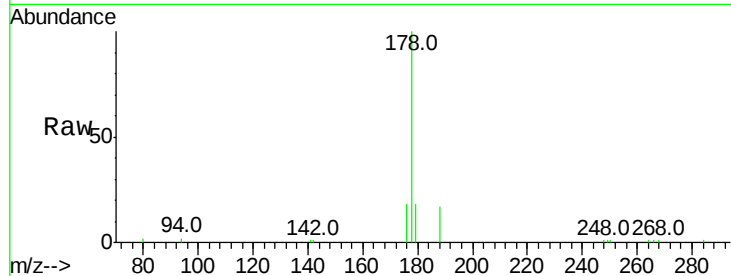
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 15.9  | 23.9  |
| 179     | 17.6  | 11.7  | 17.5  |

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11/30/2015 5:45:39 PM



#24

Anthracene

Concen: 0.20 ng

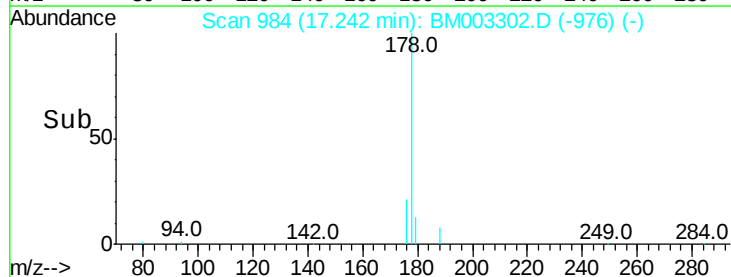
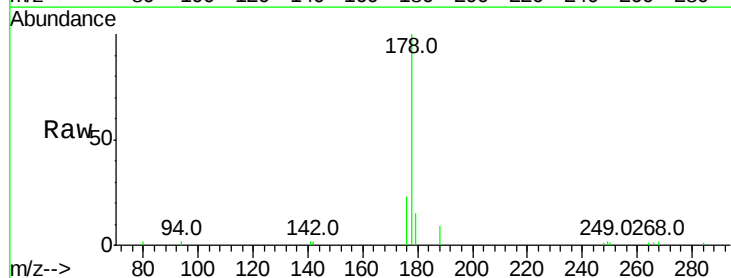
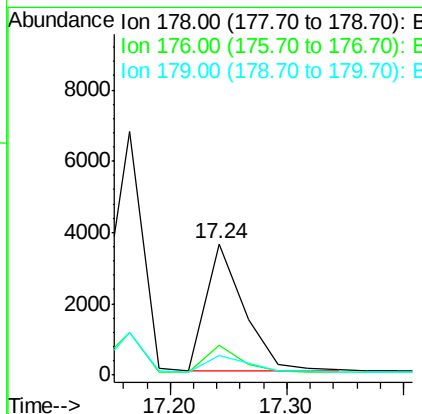
RT: 17.24 min Scan# 984

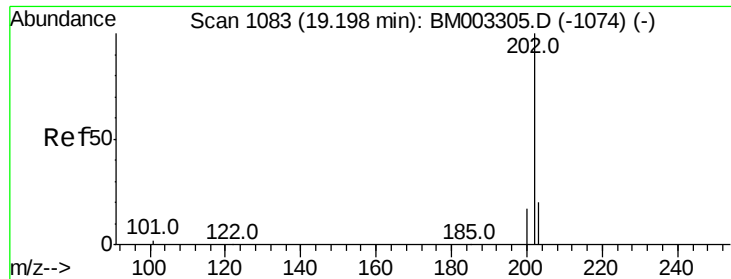
Delta R.T. -0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 14.1  | 21.1  |
| 179     | 14.8  | 12.8  | 19.2  |





#25

Fluoranthene

Concen: 0.20 ng

RT: 19.19 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

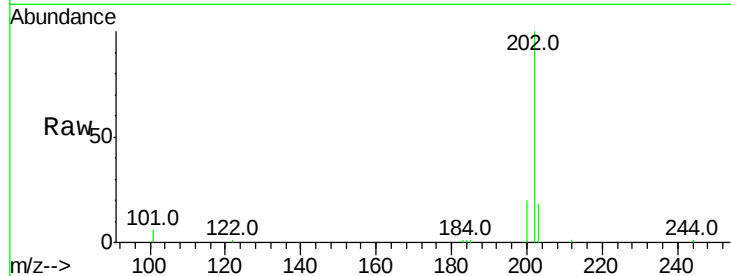
ClientSampleId :

SSTDIC0.2

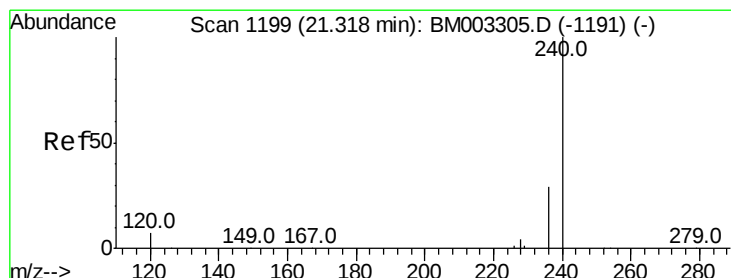
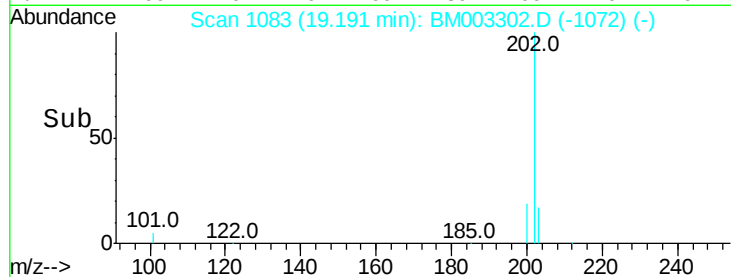
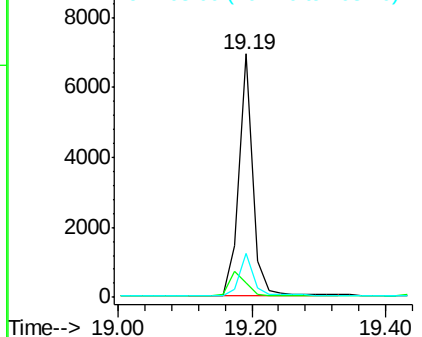
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 9939 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.0  | 9.9   | 14.9 |
| 203       | 17.2  | 13.9  | 20.9 |

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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

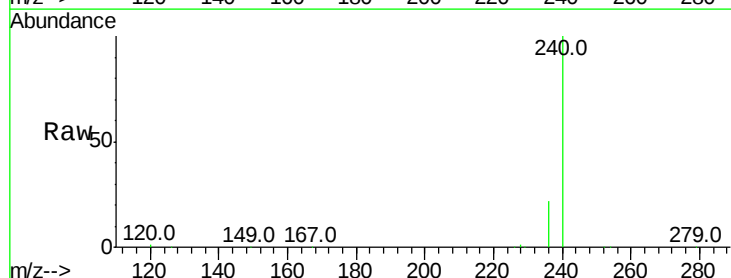
RT: 21.33 min Scan# 1200

Delta R.T. 0.01 min

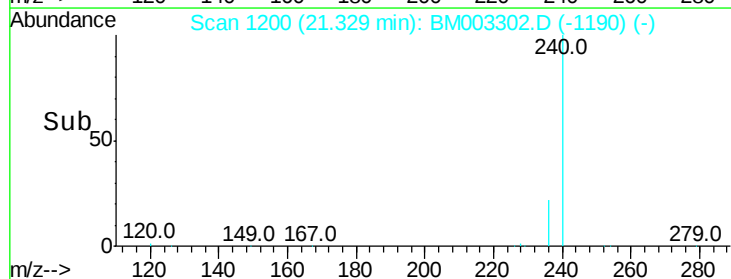
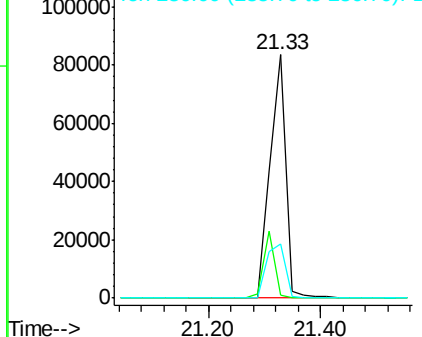
Lab File: BM003302.D

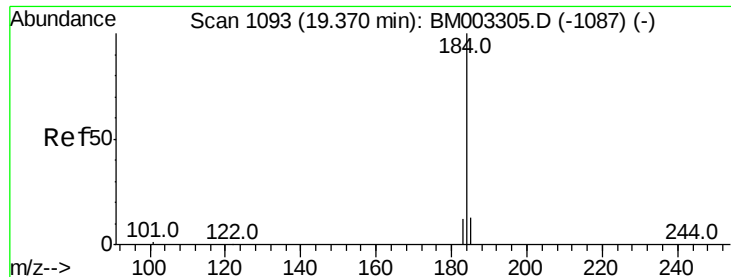
Acq: 27 Nov 2015 11:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 161086 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 1.4   | 1.0   | 1.4    |
| 236       | 22.1  | 17.9  | 26.9   |



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: 0.20 ng

RT: 19.38 min Scan# 1094

Delta R.T. 0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

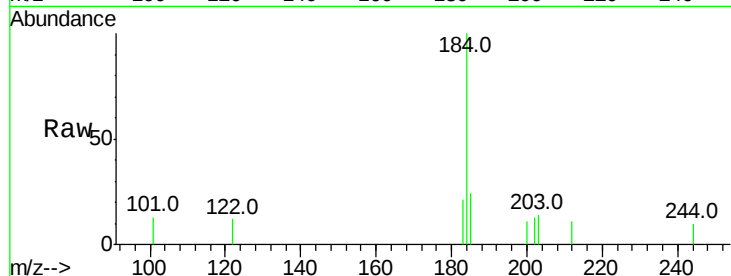
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 1155  |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 23.8  | 11.6  | 17.4# |
| 183       | 20.5  | 8.6   | 13.0# |

Manual Integrations  
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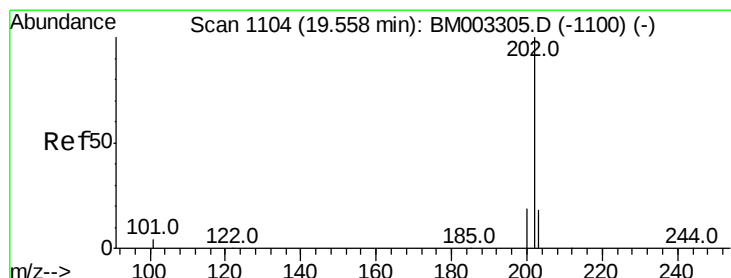
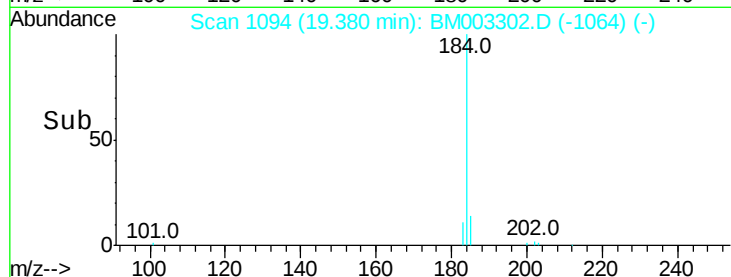
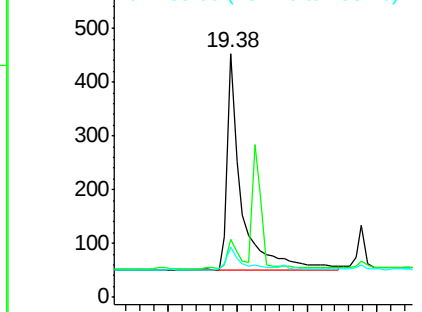
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.20 ng

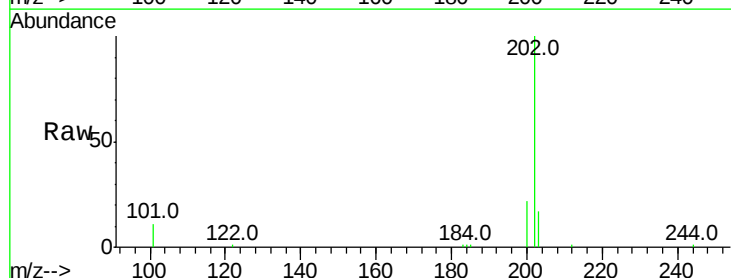
RT: 19.55 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

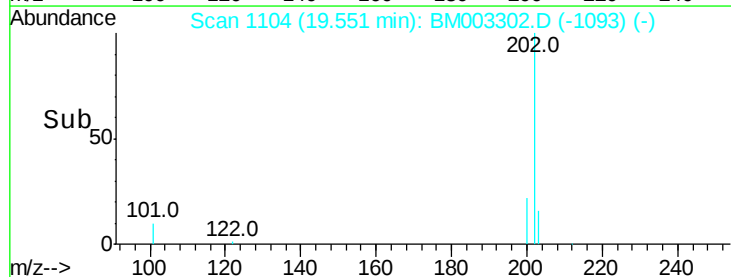
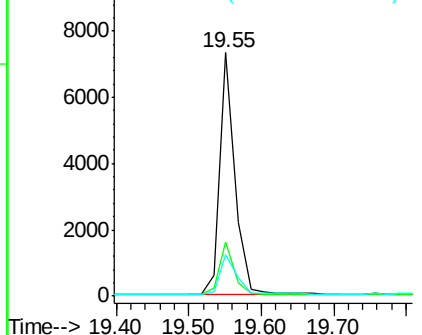
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 10657 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.0  | 16.7  | 25.1  |
| 203       | 17.7  | 13.8  | 20.6  |

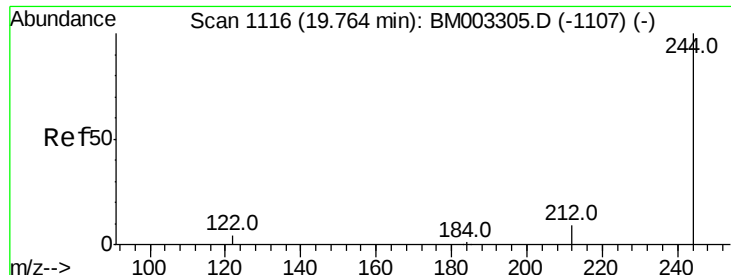


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.20 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

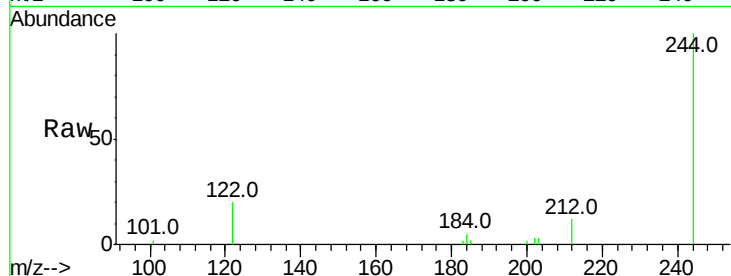
ClientSampleId :

SSTDIC0.2

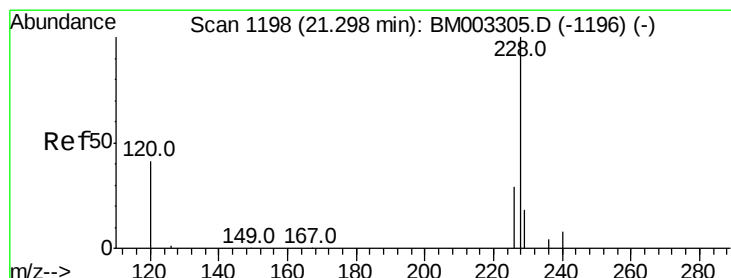
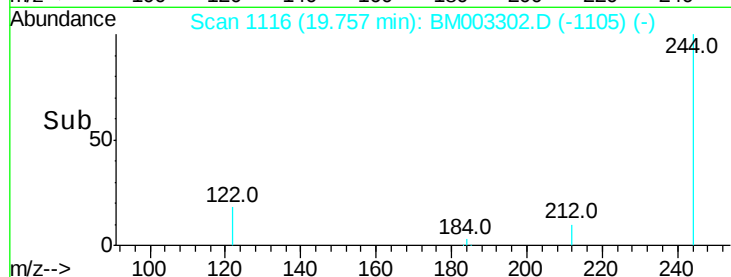
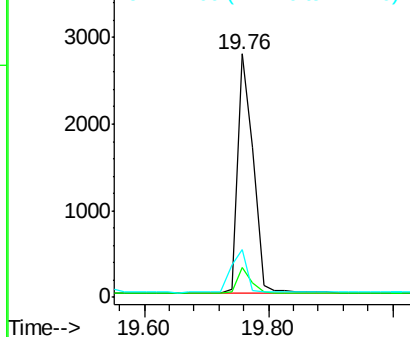
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 244   | Resp: | 4863 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 12.1  | 6.5   | 9.7# |
| 122       | 19.7  | 2.0   | 3.0# |

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.19 ng m

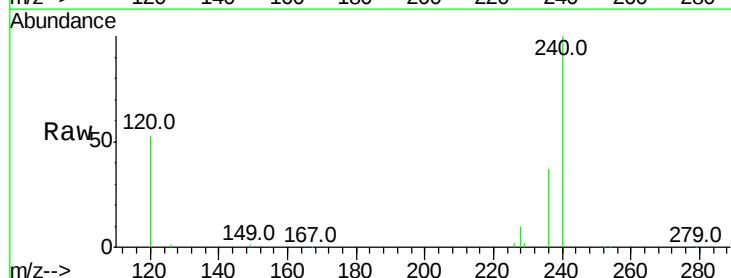
RT: 21.31 min Scan# 1199

Delta R.T. 0.01 min

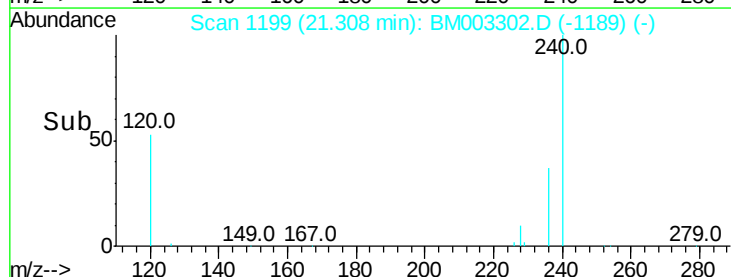
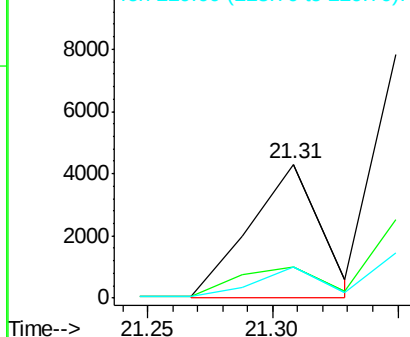
Lab File: BM003302.D

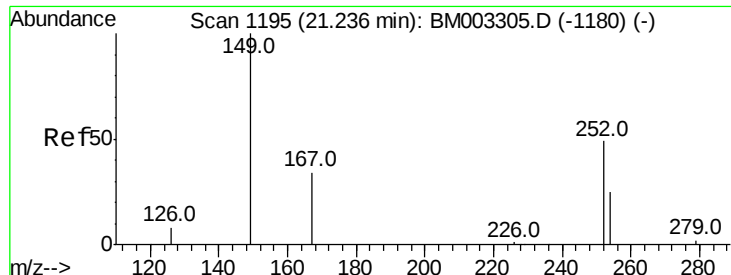
Acq: 27 Nov 2015 11:53

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 8385 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 22.9  | 17.8  | 26.6 |
| 229       | 22.9  | 18.0  | 27.0 |



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





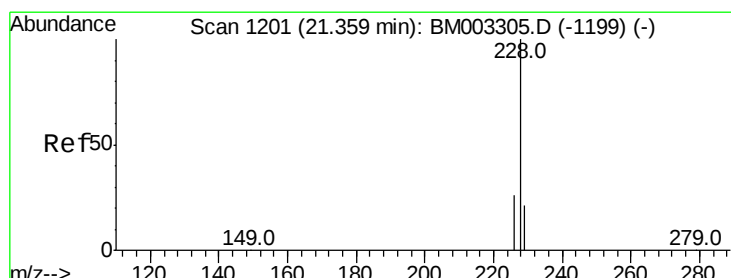
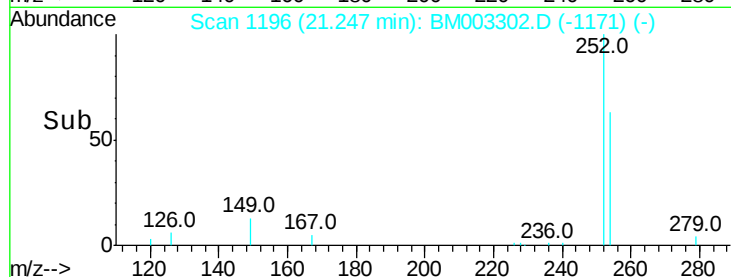
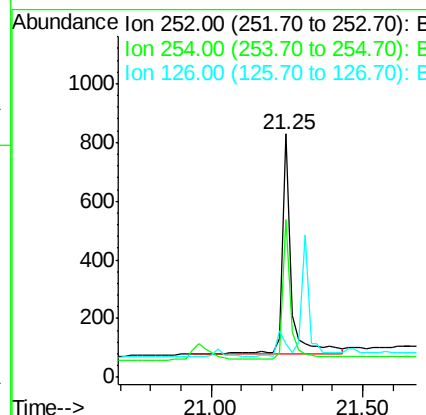
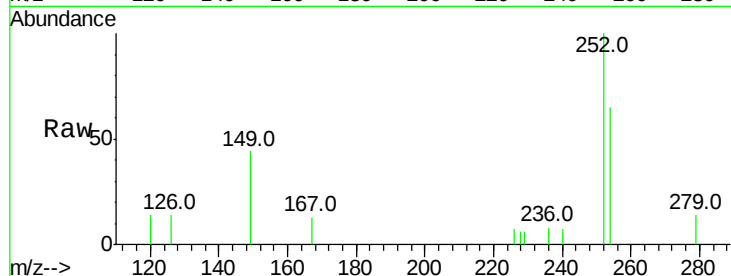
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.20 ng  
 RT: 21.25 min Scan# 1196  
 Delta R.T. 0.01 min  
 Lab File: BM003302.D  
 Acq: 27 Nov 2015 11:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.7  | 53.7  | 80.5  |
| 126     | 13.9  | 2.8   | 4.2   |

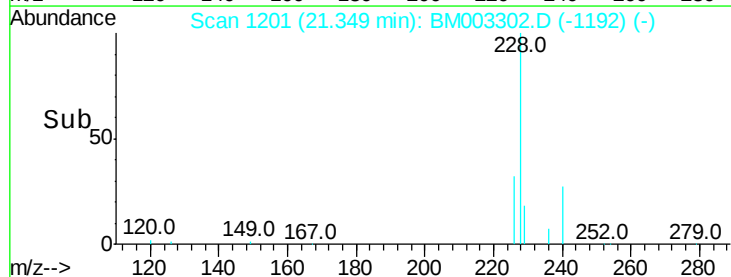
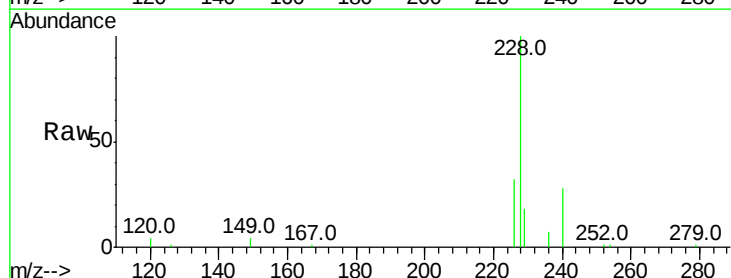
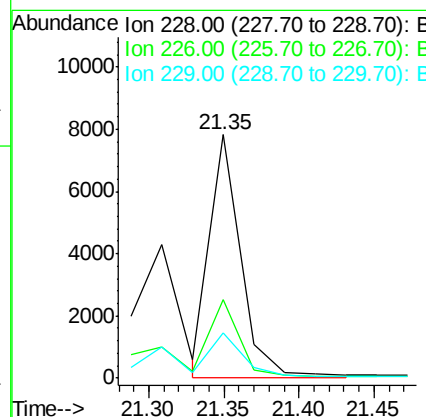
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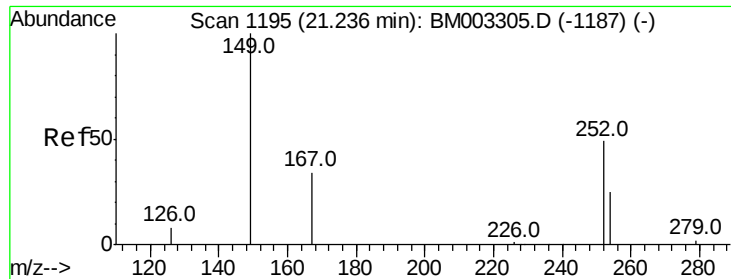
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#32  
 Chrysene  
 Concen: 0.19 ng m  
 RT: 21.35 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BM003302.D  
 Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.1  | 25.5  | 38.3  |
| 229     | 18.4  | 14.3  | 21.5  |





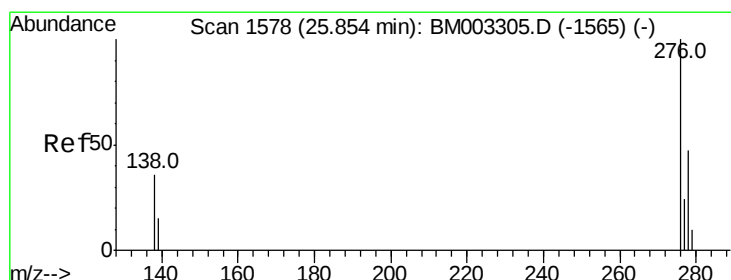
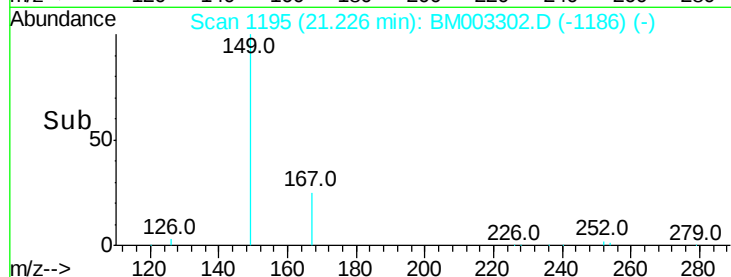
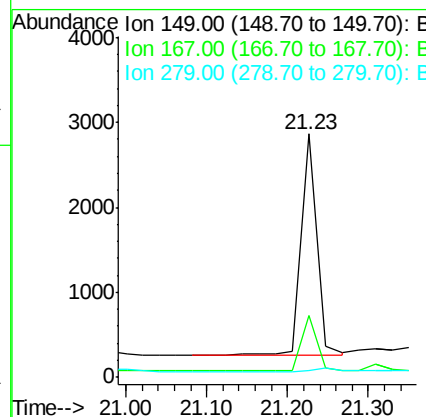
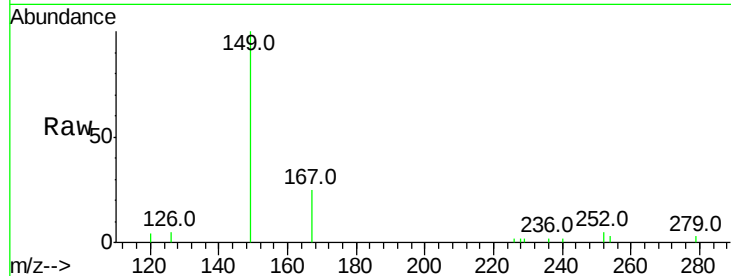
#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.18 ng  
 RT: 21.23 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BM003302.D  
 Acq: 27 Nov 2015 11:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.0  | 19.6  | 29.4  |
| 279     | 0.0   | 0.0   | 0.0   |

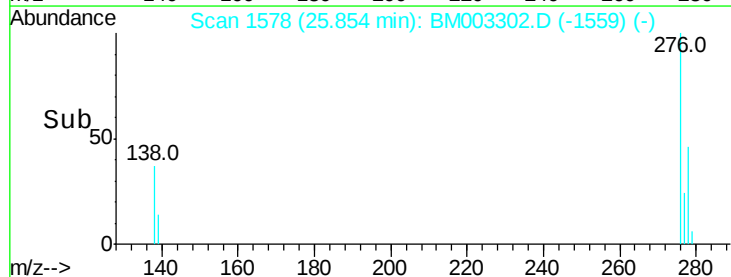
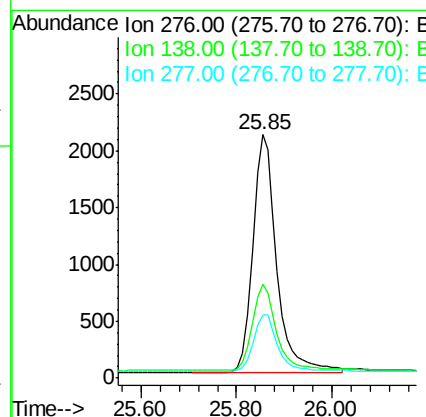
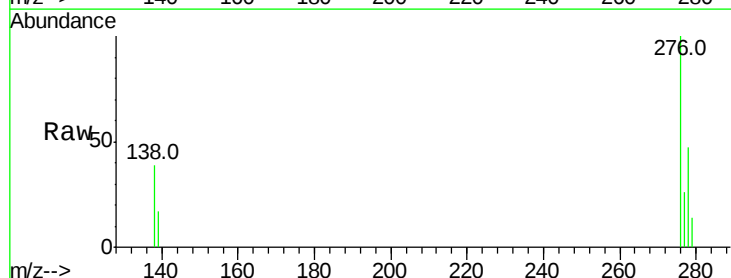
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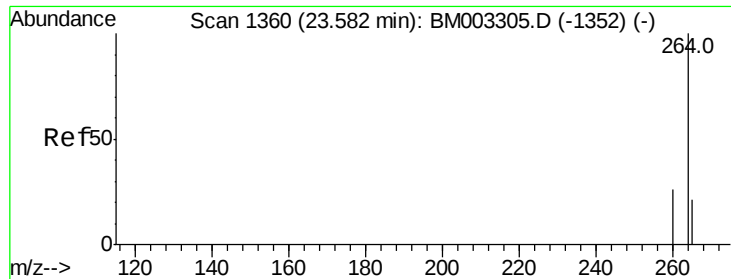
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#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.20 ng  
 RT: 25.85 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: BM003302.D  
 Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 36.7  | 19.1  | 28.7# |
| 277     | 24.7  | 15.9  | 23.9# |





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.58 min Scan# 1360

Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

Instrument :

BNA\_M

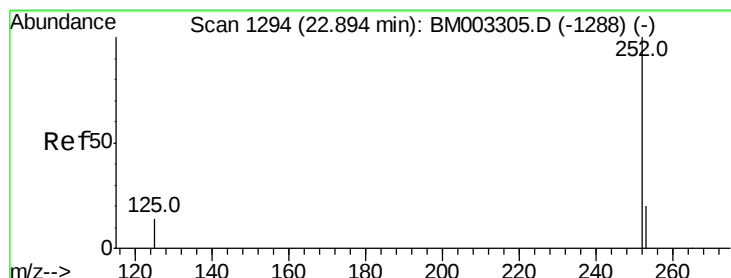
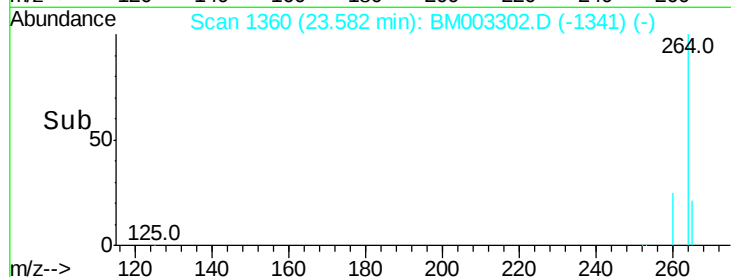
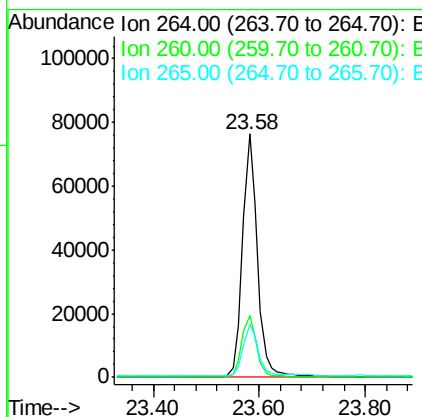
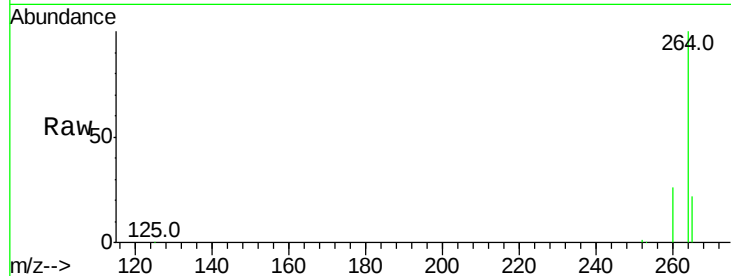
ClientSampleId :

SSTDICC0.2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 148230 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.5  | 19.6  | 29.4   |
| 265       | 21.9  | 18.4  | 27.6   |

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#36

Benzo(b)fluoranthene

Concen: 0.21 ng

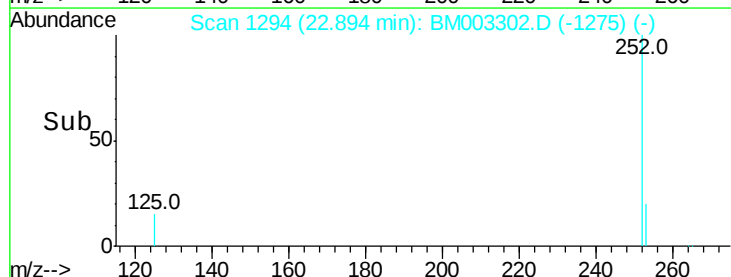
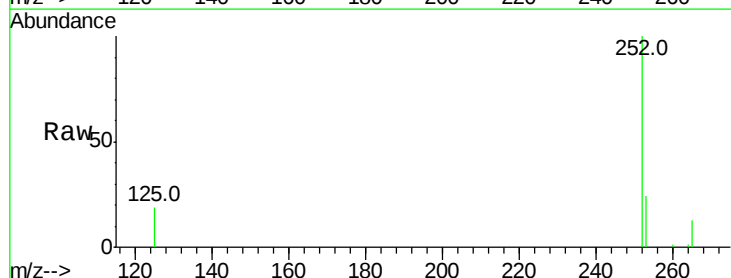
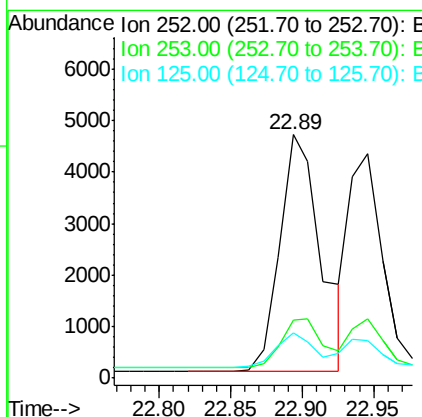
RT: 22.89 min Scan# 1294

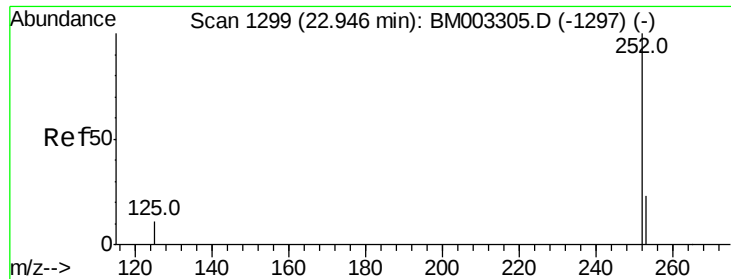
Delta R.T. -0.00 min

Lab File: BM003302.D

Acq: 27 Nov 2015 11:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 9266  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 18.2  | 27.4  |
| 125       | 18.6  | 10.3  | 15.5# |





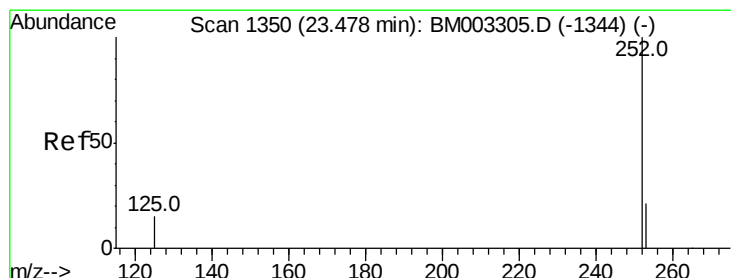
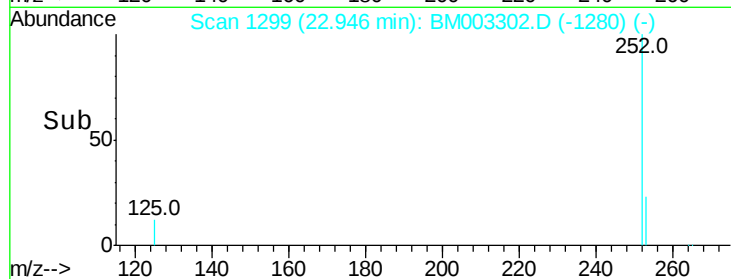
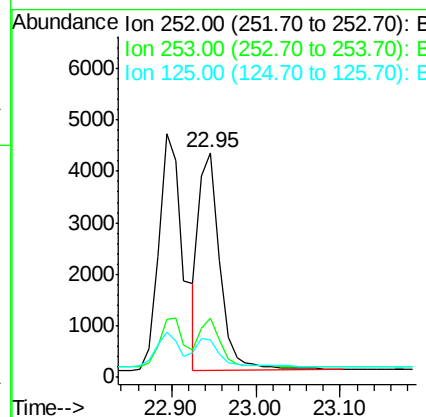
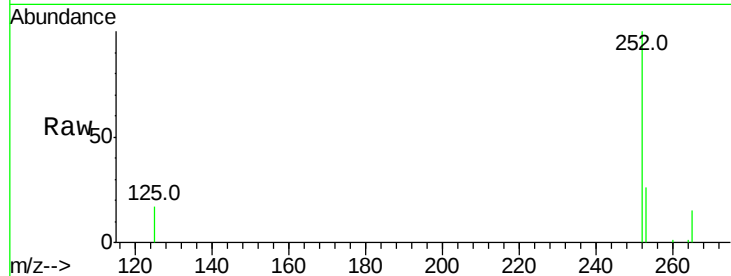
#37  
Benzo(k)fluoranthene  
Concen: 0.16 ng  
RT: 22.95 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.4  | 17.5  | 26.3# |
| 125     | 16.7  | 10.7  | 16.1# |

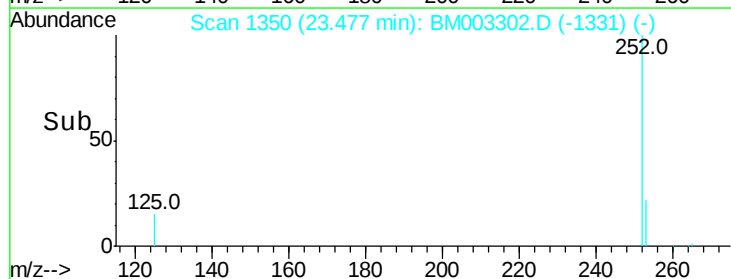
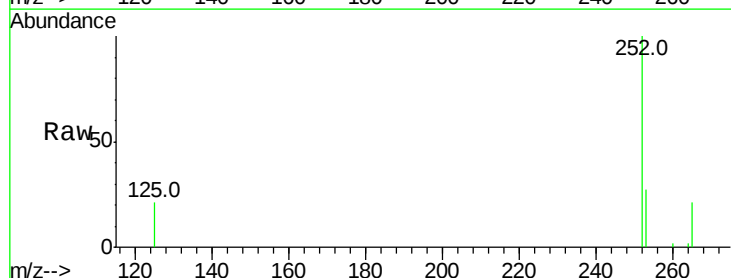
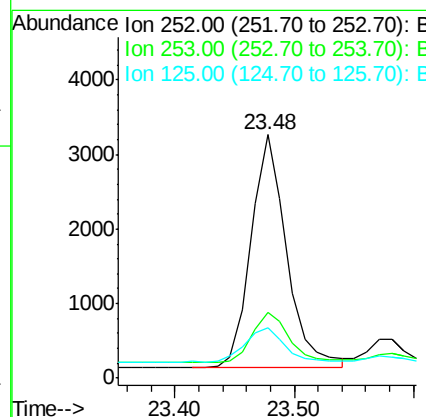
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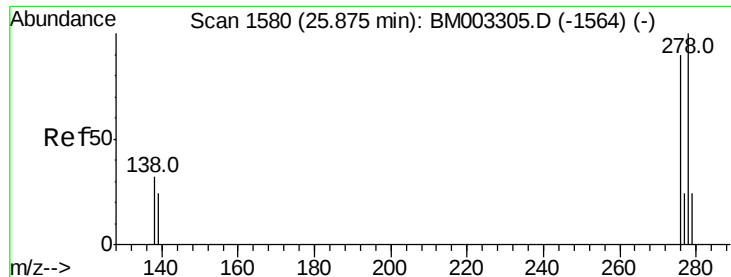
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#38  
Benzo(a)pyrene  
Concen: 0.20 ng  
RT: 23.48 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.2  | 18.7  | 28.1  |
| 125     | 20.8  | 11.6  | 17.4# |





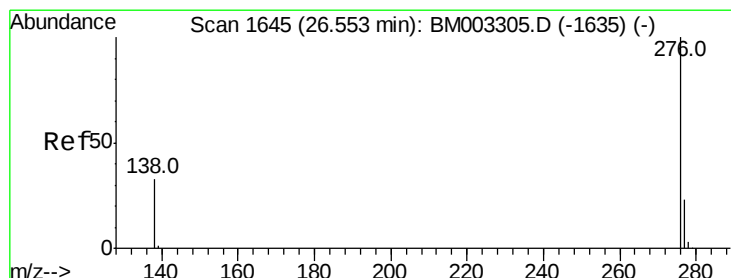
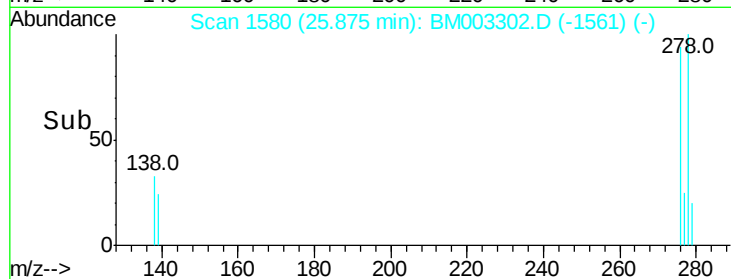
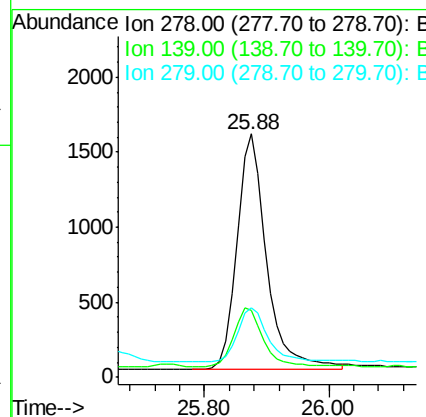
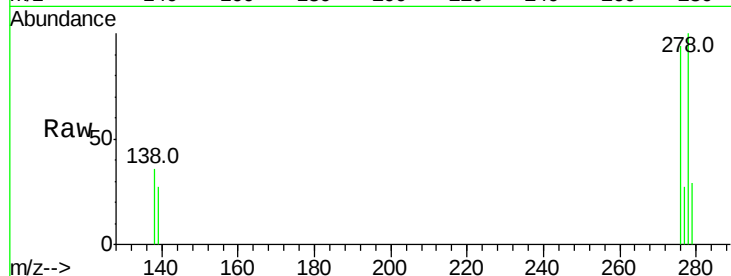
#39  
Dibenzo(a,h)anthracene  
Concen: 0.20 ng  
RT: 25.88 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 27.4  | 18.2  | 27.4# |
| 279     | 28.8  | 18.8  | 28.2# |

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#40  
Benzo(g,h,i)perylene  
Concen: 0.20 ng  
RT: 26.55 min Scan# 1645  
Delta R.T. -0.00 min  
Lab File: BM003302.D  
Acq: 27 Nov 2015 11:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.6  | 19.0  | 28.6  |
| 138     | 34.3  | 22.3  | 33.5# |

