

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\  
 Data File : BM002898.D  
 Acq On : 13 Oct 2015 22:12  
 Operator : UM/IZ  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

Quant Time: Oct 14 11:28:57 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 14 11:09:27 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.65  | 152  | 94663    | 5.00 | ng    | -0.01    |
| 8) Naphthalene-d8         | 11.50 | 136  | 405708   | 5.00 | ng    | 0.00     |
| 14) Acenaphthene-d10      | 15.25 | 164  | 210227   | 5.00 | ng    | 0.00     |
| 21) Phenanthrene-d10      | 17.95 | 188  | 456068   | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 22.04 | 240  | 416552   | 5.00 | ng    | 0.00     |
| 26) Perylene-d12          | 24.61 | 264  | 379983   | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 2) 2-Fluorophenol           | 6.12  | 112  | 198906   | 12.59 | ng    | -0.02    |
| 3) Phenol-d6                | 7.77  | 99   | 262644   | 12.33 | ng    | -0.02    |
| 9) Nitrobenzene-d5          | 9.84  | 82   | 231418   | 10.07 | ng    | -0.02    |
| 15) 2,4,6-Tribromophenol    | 16.71 | 330  | 93234    | 10.85 | ng    | 0.00     |
| 18) 2-Fluorobiphenyl        | 13.87 | 172  | 658544   | 10.03 | ng    | 0.00     |
| 25) Terphenyl-d14           | 20.48 | 244  | 621276   | 11.20 | ng    | 0.00     |

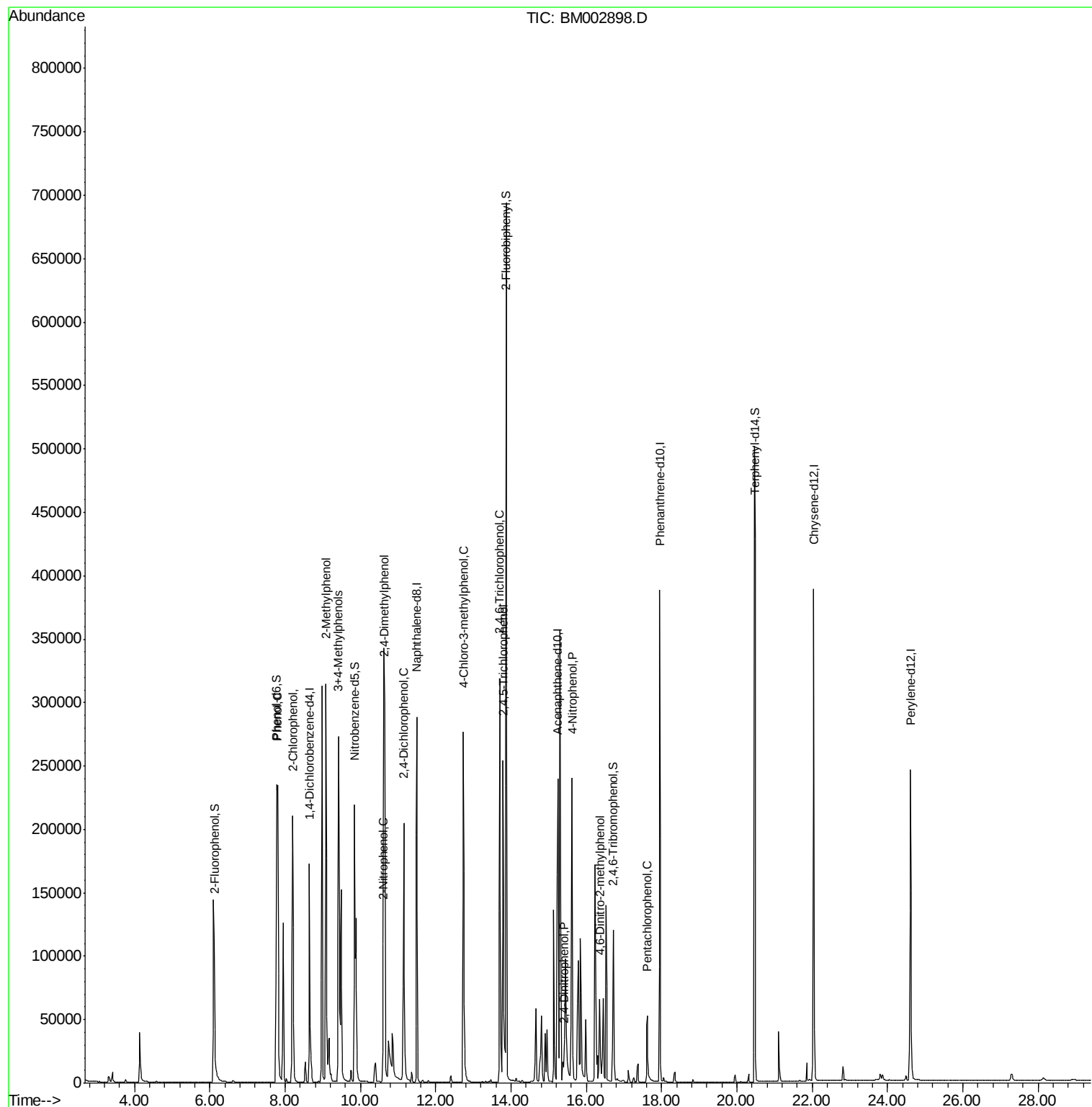
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 4) 2-Chlorophenol              | 8.20  | 128  | 250359   | 16.96 | ng    | # 76   |
| 5) Phenol                      | 7.80  | 94   | 276484   | 12.89 | ng    | 96     |
| 6) 2-Methylphenol              | 9.09  | 107  | 194357   | 16.14 | ng    | # 86   |
| 7) 3+4-Methylphenols           | 9.41  | 107  | 273441   | 17.60 | ng    | # 32   |
| 10) 2-Nitrophenol              | 10.61 | 139  | 125862   | 13.70 | ng    | # 79   |
| 11) 2,4-Dimethylphenol         | 10.64 | 122  | 245172   | 12.36 | ng    | 94     |
| 12) 2,4-Dichlorophenol         | 11.15 | 162  | 214694   | 10.93 | ng    | 92     |
| 13) 4-Chloro-3-methylphenol    | 12.74 | 107  | 250183   | 11.93 | ng    | # 71   |
| 16) 2,4,6-Trichlorophenol      | 13.70 | 196  | 165821   | 10.95 | ng    | # 74   |
| 17) 2,4,5-Trichlorophenol      | 13.79 | 196  | 180647   | 10.63 | ng    | # 98   |
| 19) 2,4-Dinitrophenol          | 15.40 | 184  | 29653    | 9.24  | ng    | # 66   |
| 20) 4-Nitrophenol              | 15.63 | 139  | 339750   | 29.72 | ng    | # 4    |
| 22) 4,6-Dinitro-2-methylphenol | 16.36 | 198  | 75184    | 8.53  | ng    | # 62   |
| 23) Pentachlorophenol          | 17.62 | 266  | 57239    | 7.51  | ng    | 89     |

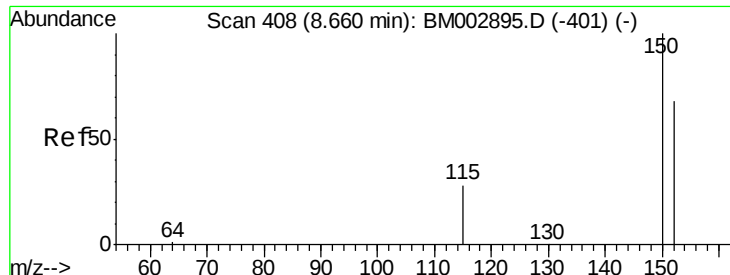
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\  
Data File : BM002898.D  
Acq On : 13 Oct 2015 22:12  
Operator : UM/IZ  
Sample : SSTDIC010  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC010

Quant Time: Oct 14 11:28:57 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 14 11:09:27 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

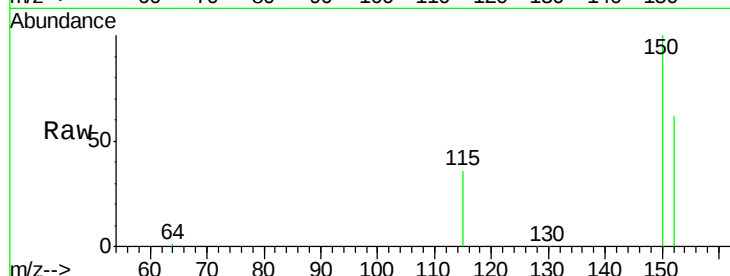
Tot Ion:152 Resp: 94663

Ion Ratio Lower Upper

152 100

150 162.0 116.3 174.5

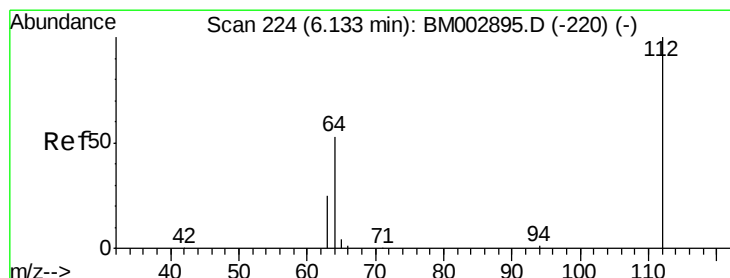
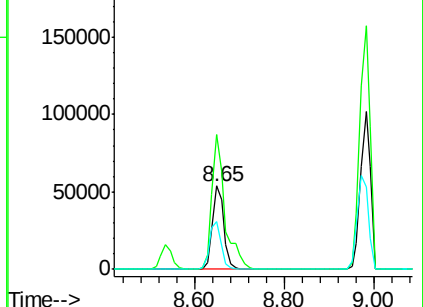
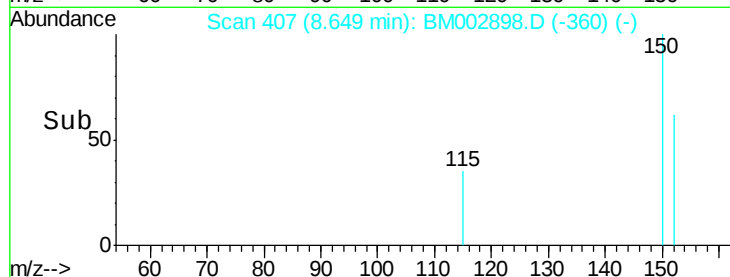
115 57.7 31.9 47.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

2-Fluorophenol

Concen: 12.59 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.02 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

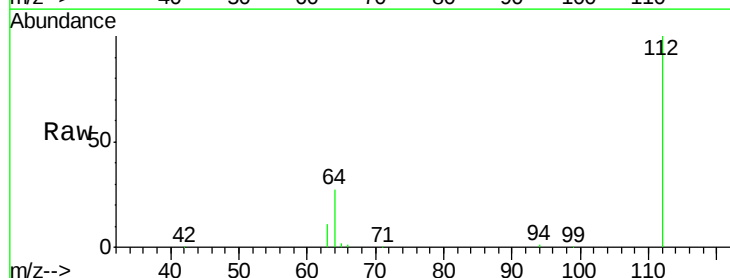
Tgt Ion:112 Resp: 198906

Ion Ratio Lower Upper

112 100

64 27.3 49.3 73.9#

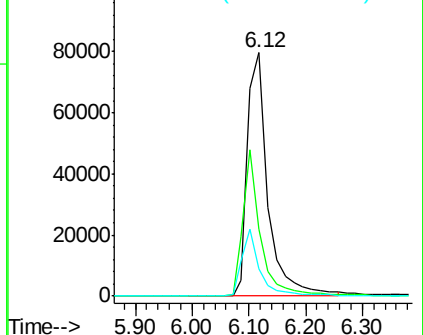
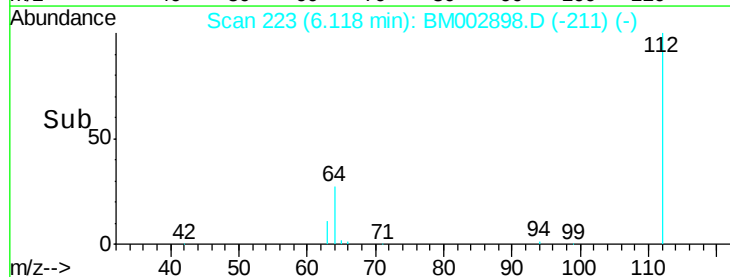
63 11.5 26.2 39.4#

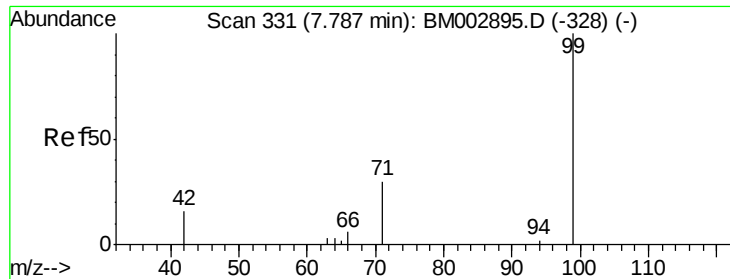


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 12.33 ng

RT: 7.77 min Scan# 330

Delta R.T. -0.02 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

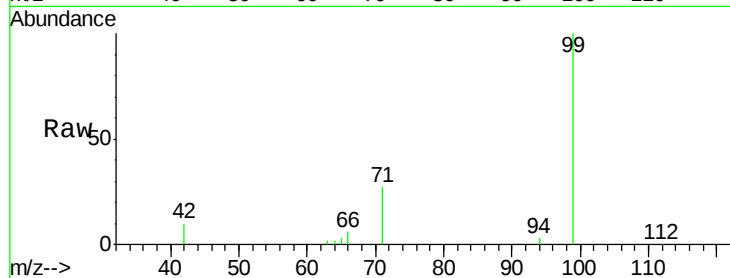
BNA\_M

ClientSampleId :

SSTDIC010

Tot Ion: 99 Resp: 262644

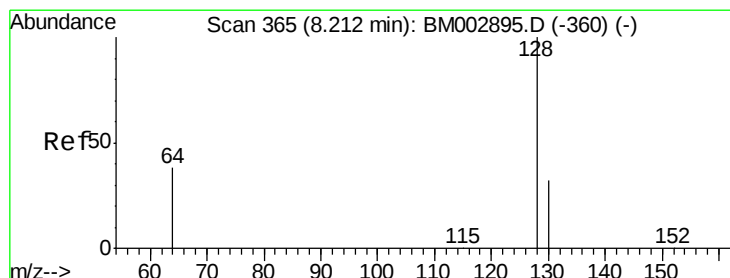
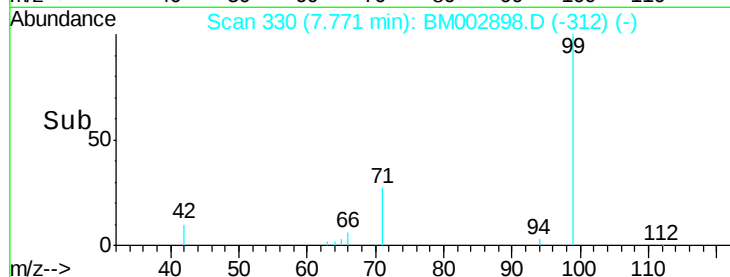
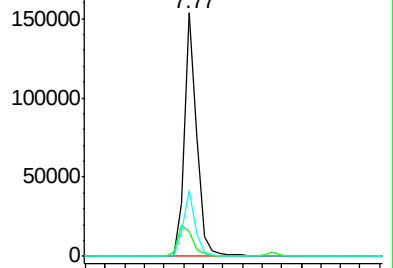
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.3  | 12.1  | 18.1# |
| 71  | 27.0  | 26.4  | 39.6  |



Abundance Ion 99.00 (98.70 to 99.70): BM002895.D (-328) (-)

Ion 42.00 (41.70 to 42.70): BM002895.D (-328) (-)

Ion 71.00 (70.70 to 71.70): BM002895.D (-328) (-)



#4

2-Chlorophenol

Concen: 16.96 ng

RT: 8.20 min Scan# 364

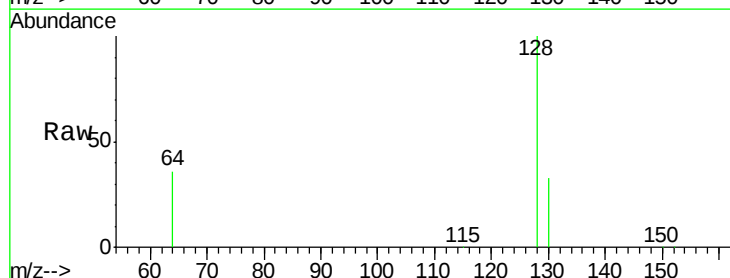
Delta R.T. -0.01 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Tgt Ion: 128 Resp: 250359

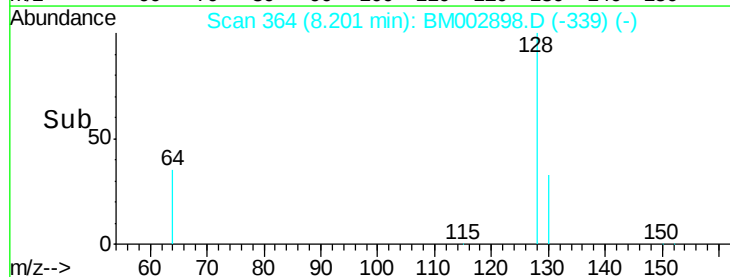
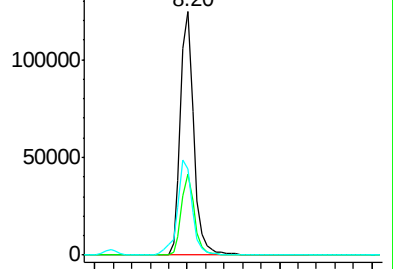
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.3  | 22.2  | 62.2  |
| 64  | 35.6  | 0.0   | 28.7# |

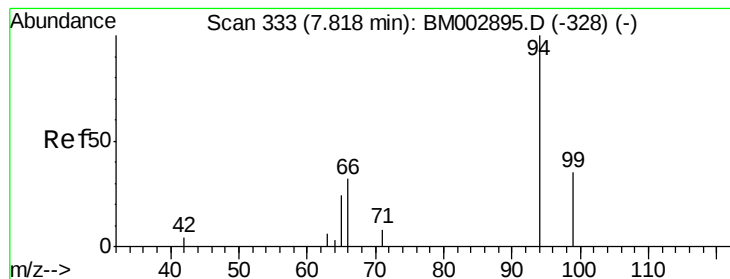


Abundance Ion 128.00 (127.70 to 128.70): BM002895.D (-360) (-)

Ion 130.00 (129.70 to 130.70): BM002895.D (-360) (-)

Ion 64.00 (63.70 to 64.70): BM002895.D (-360) (-)





#5

Phenol

Concen: 12.89 ng

RT: 7.80 min Scan# 332

Delta R.T. -0.02 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

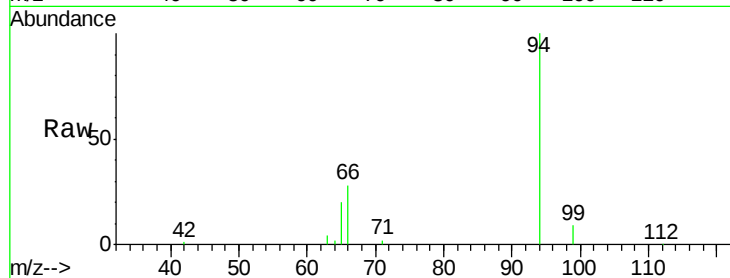
Tot Ion: 94 Resp: 276484

Ion Ratio Lower Upper

94 100

65 20.2 0.0 37.7

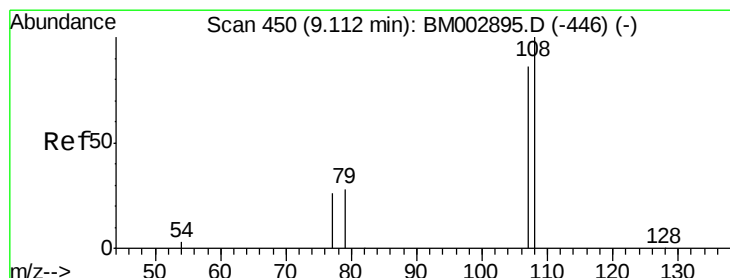
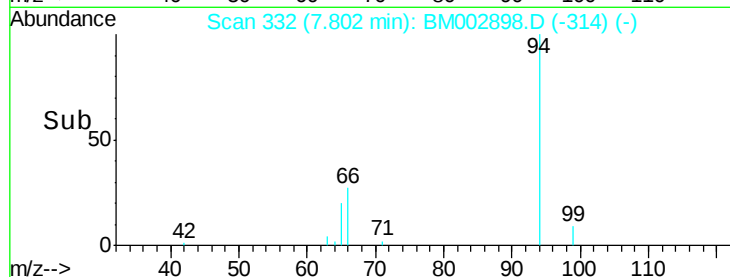
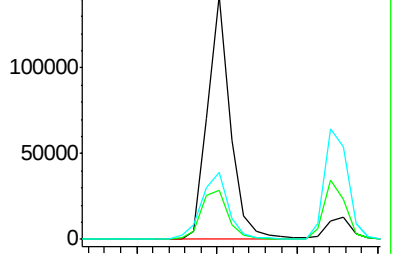
66 27.5 6.3 46.3



Abundance Ion 94.00 (93.70 to 94.70): BM002898.D (-328) (-)

Ion 65.00 (64.70 to 65.70): BM002898.D (-328) (-)

Ion 66.00 (65.70 to 66.70): BM002898.D (-328) (-)



#6

2-Methylphenol

Concen: 16.14 ng

RT: 9.09 min Scan# 448

Delta R.T. -0.02 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Tgt Ion: 107 Resp: 194357

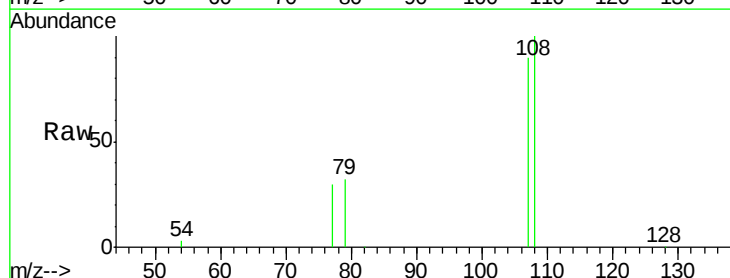
Ion Ratio Lower Upper

107 100

108 111.1 100.9 151.3

77 33.5 20.3 30.5#

79 35.4 22.8 34.2#

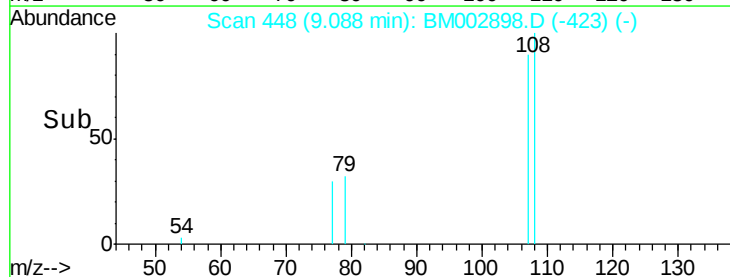
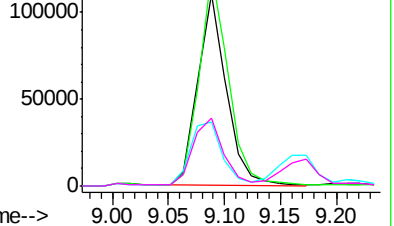


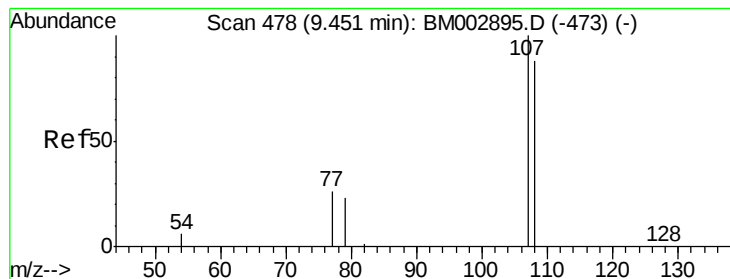
Abundance Ion 107.00 (106.70 to 107.70): BM002898.D (-423) (-)

Ion 108.00 (107.70 to 108.70): BM002898.D (-423) (-)

Ion 77.00 (76.70 to 77.70): BM002898.D (-423) (-)

Ion 79.00 (78.70 to 79.70): BM002898.D (-423) (-)





#7

3+4-Methylphenols

Concen: 17.60 ng

RT: 9.41 min Scan# 475

Delta R.T. -0.04 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDICC010

Tot Ion:107 Resp: 273441

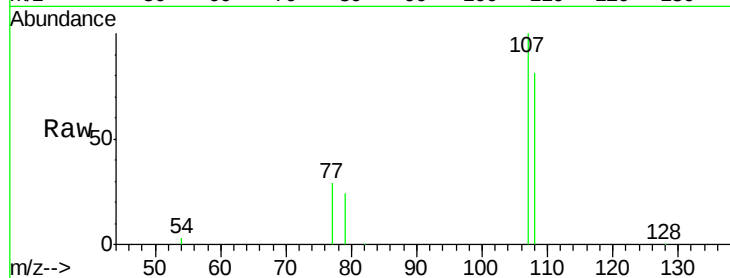
Ion Ratio Lower Upper

107 100

108 80.5 86.3 126.3#

77 28.7 151.7 191.7#

79 24.1 7.4 47.4

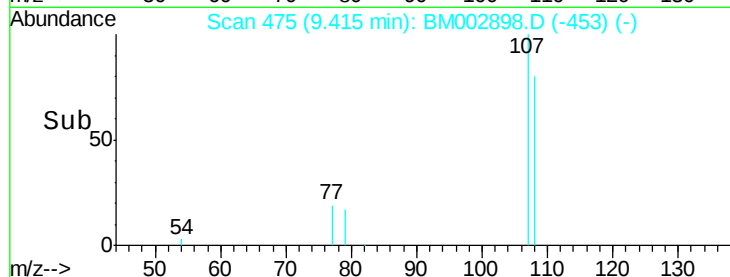


Abundance Ion 107.00 (106.70 to 107.70): E

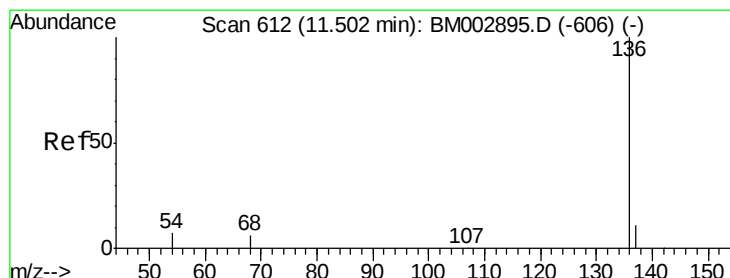
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 612

Delta R.T. -0.00 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Tgt Ion:136 Resp: 405708

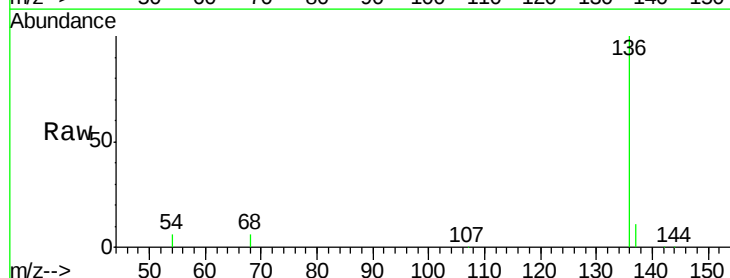
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.4 2.6 3.8#

68 5.7 2.2 3.2#

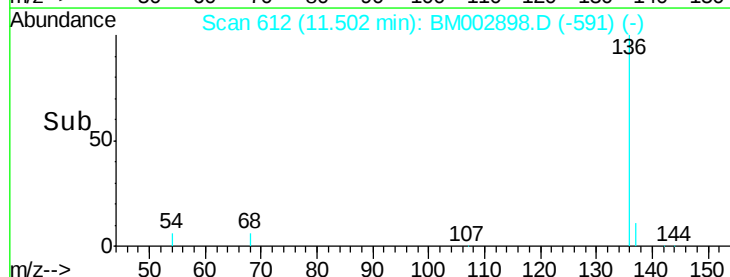


Abundance Ion 136.00 (135.70 to 136.70): E

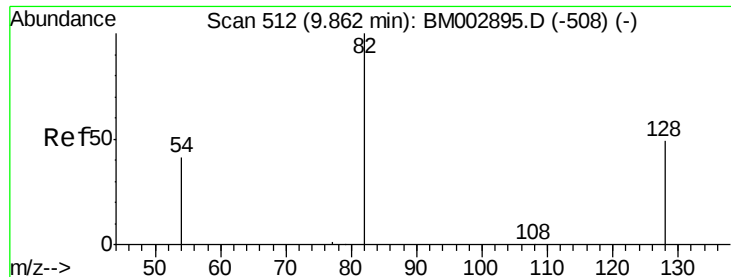
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#9

Nitrobenzene-d5

Concen: 10.07 ng

RT: 9.84 min Scan# 510

Delta R.T. -0.02 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

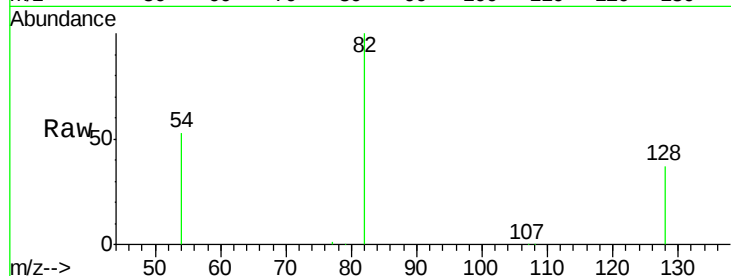
Tot Ion: 82 Resp: 231418

Ion Ratio Lower Upper

82 100

128 52.0 0.0 0.0#

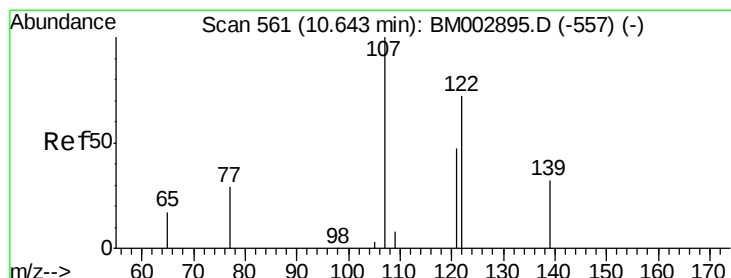
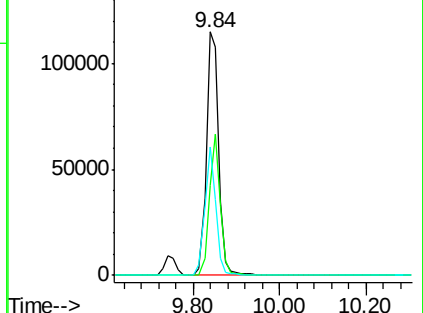
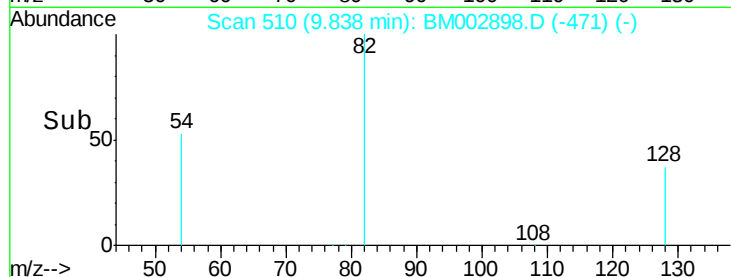
54 47.6 59.0 88.6#



Abundance Ion 82.00 (81.70 to 82.70): BM002898.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002898.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002898.D (-508) (-)



#10

2-Nitrophenol

Concen: 13.70 ng

RT: 10.61 min Scan# 559

Delta R.T. -0.04 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

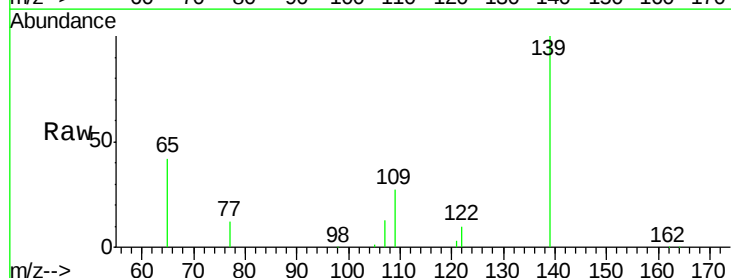
Tgt Ion: 139 Resp: 125862

Ion Ratio Lower Upper

139 100

109 27.1 19.5 29.3

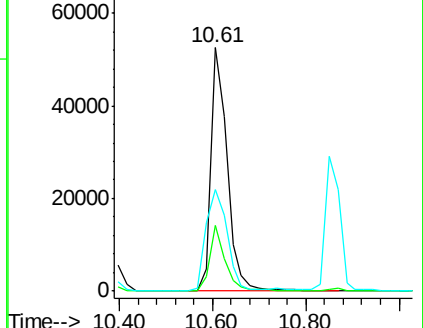
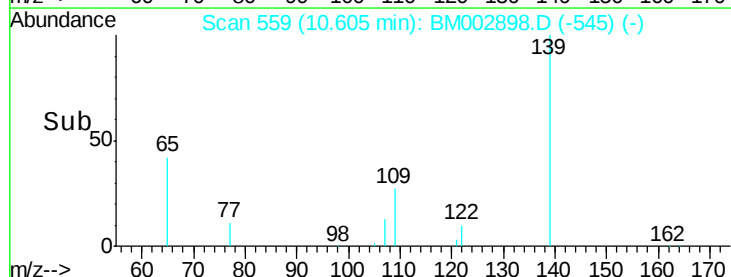
65 41.9 18.6 28.0#

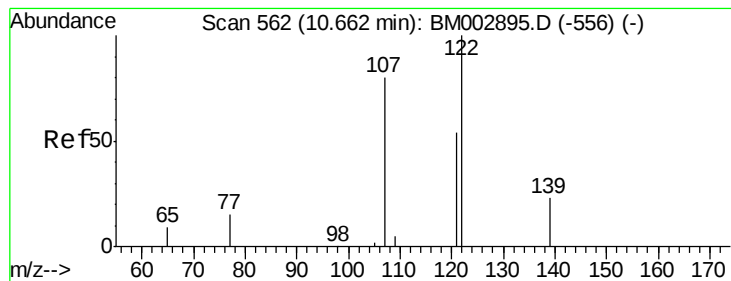


Abundance Ion 139.00 (138.70 to 139.70): BM002898.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002898.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002898.D (-557) (-)

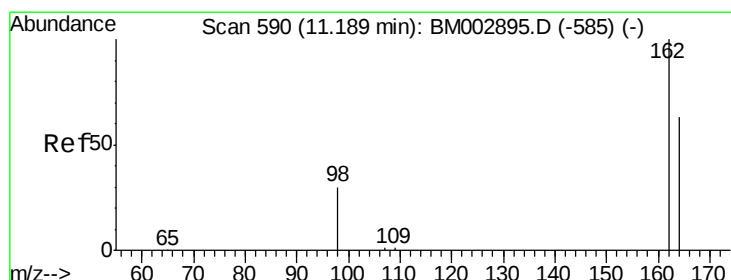
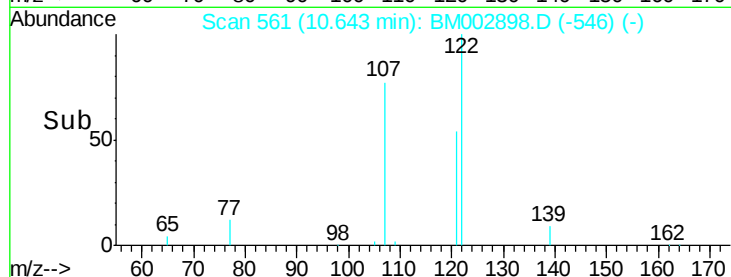
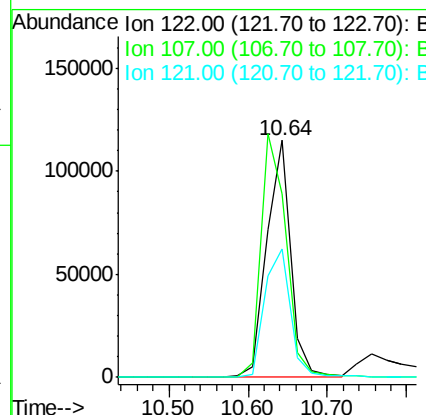
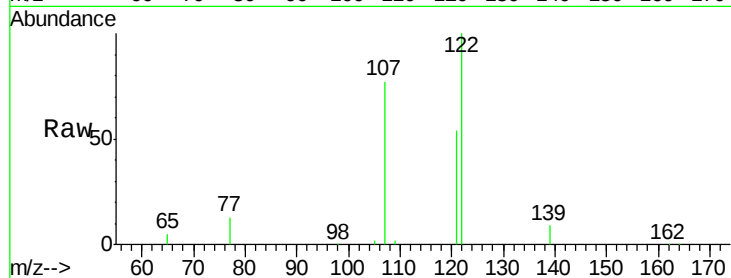




#11  
 2,4-Dimethylphenol  
 Concen: 12.36 ng  
 RT: 10.64 min Scan# 561  
 Delta R.T. -0.02 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

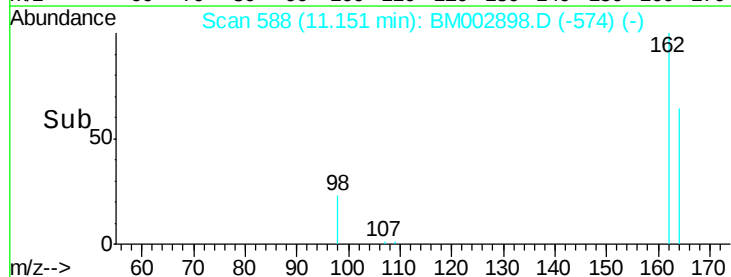
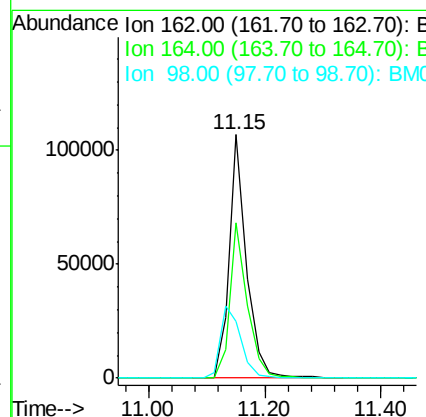
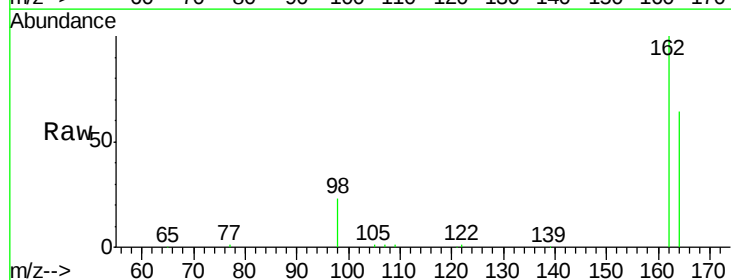
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

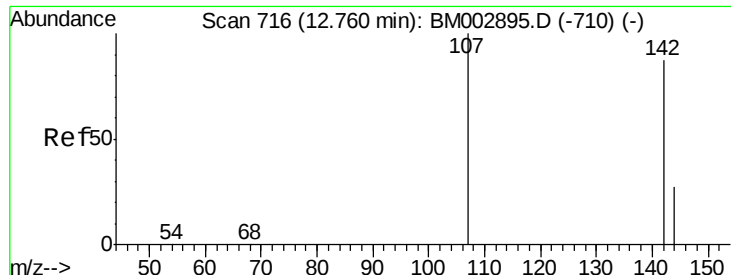
Tot Ion:122 Resp: 245172  
 Ion Ratio Lower Upper  
 122 100  
 107 77.5 68.6 102.8  
 121 54.1 44.8 67.2



#12  
 2,4-Dichlorophenol  
 Concen: 10.93 ng  
 RT: 11.15 min Scan# 588  
 Delta R.T. -0.04 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

Tgt Ion:162 Resp: 214694  
 Ion Ratio Lower Upper  
 162 100  
 164 63.5 49.2 89.2  
 98 23.4 0.0 37.4

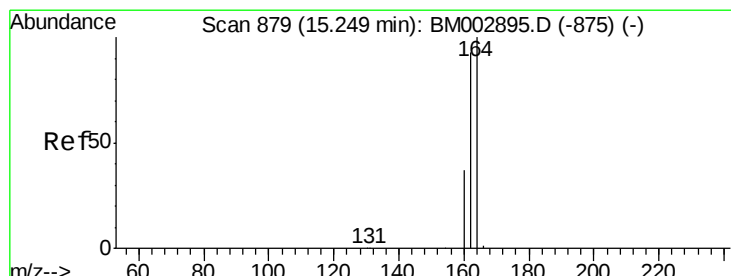
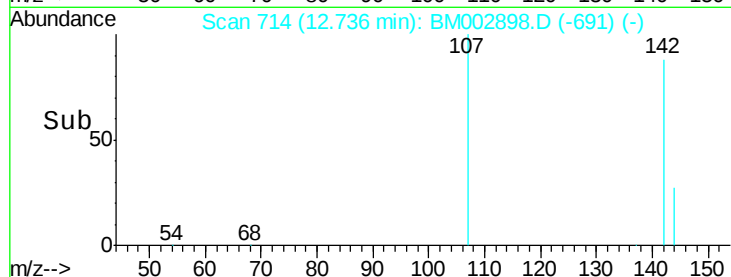
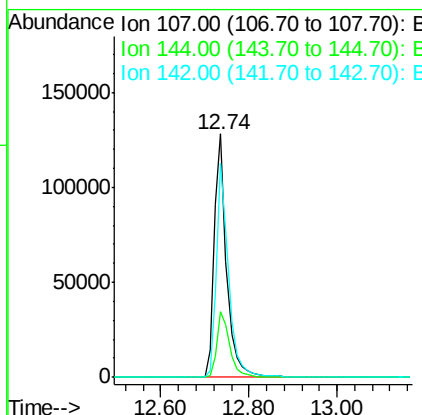
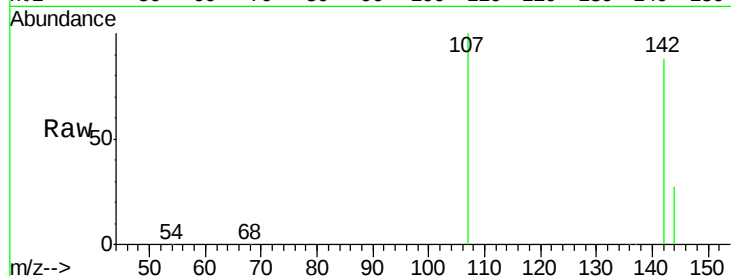




#13  
4-Chloro-3-methylphenol  
Concen: 11.93 ng  
RT: 12.74 min Scan# 714  
Delta R.T. -0.02 min  
Lab File: BM002898.D  
Acq: 13 Oct 2015 22:12

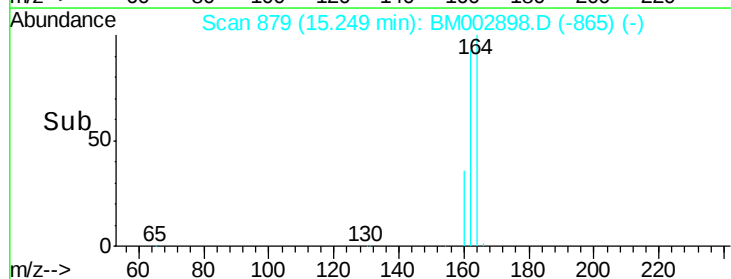
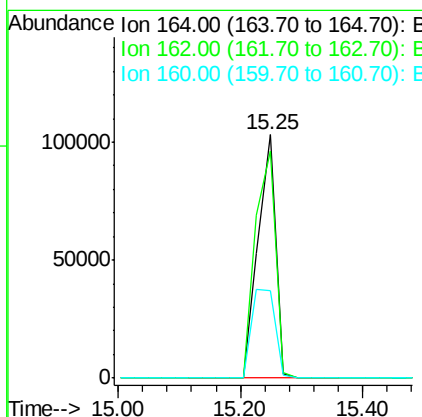
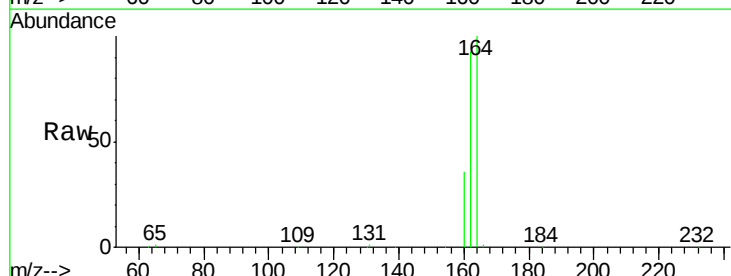
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC010

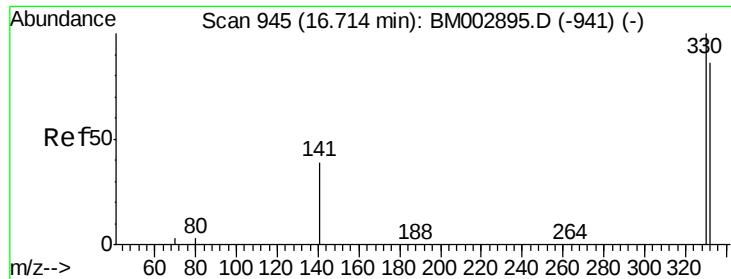
Tot Ion:107 Resp: 250183  
Ion Ratio Lower Upper  
107 100  
144 27.1 16.2 24.2#  
142 88.0 49.8 74.6#



#14  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 15.25 min Scan# 879  
Delta R.T. -0.00 min  
Lab File: BM002898.D  
Acq: 13 Oct 2015 22:12

Tgt Ion:164 Resp: 210227  
Ion Ratio Lower Upper  
164 100  
162 93.1 79.2 118.8  
160 36.1 33.7 50.5

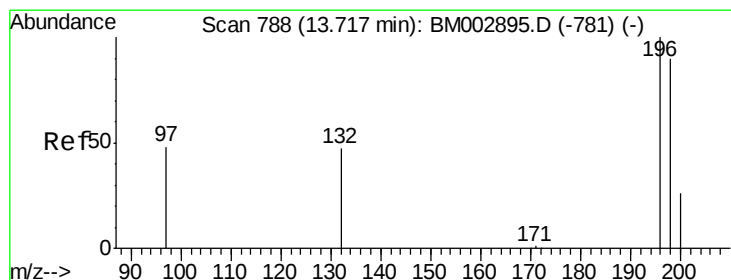
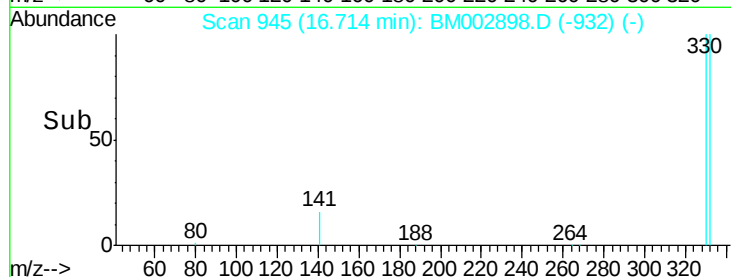
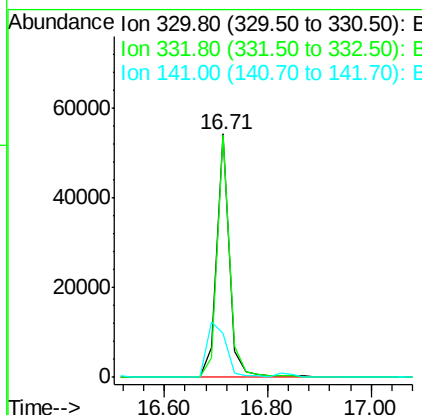
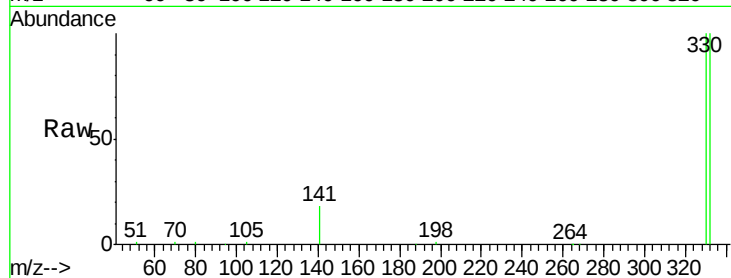




#15  
 2,4,6-Tribromophenol  
 Concen: 10.85 ng  
 RT: 16.71 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

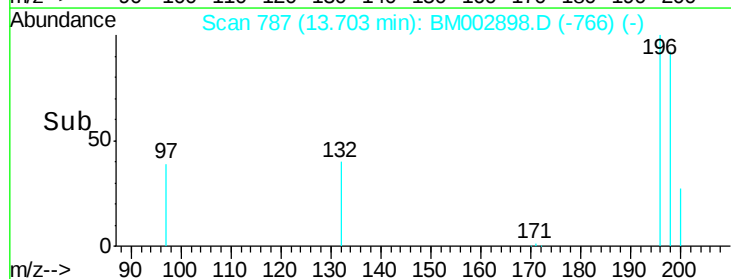
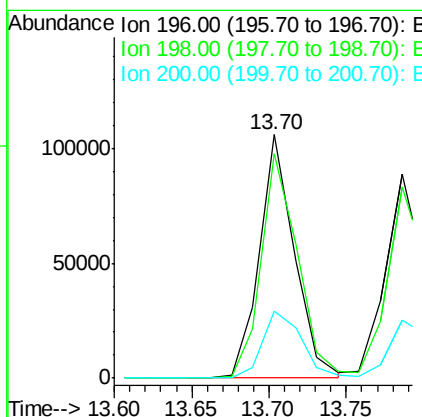
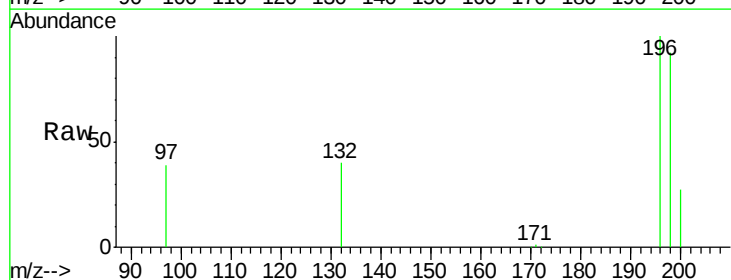
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

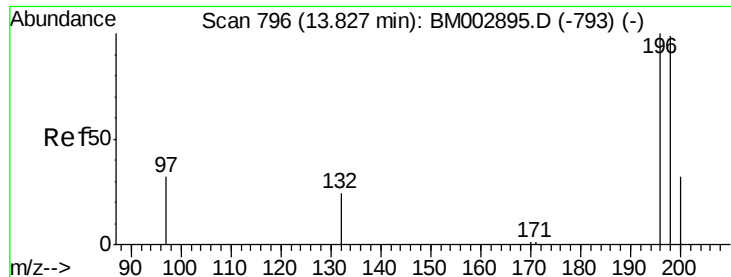
Tot Ion:330 Resp: 93234  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 74.0 111.0  
 141 0.0 24.1 36.1#



#16  
 2,4,6-Trichlorophenol  
 Concen: 10.95 ng  
 RT: 13.70 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

Tgt Ion:196 Resp: 165821  
 Ion Ratio Lower Upper  
 196 100  
 198 92.3 54.2 81.2#  
 200 27.4 17.1 25.7#

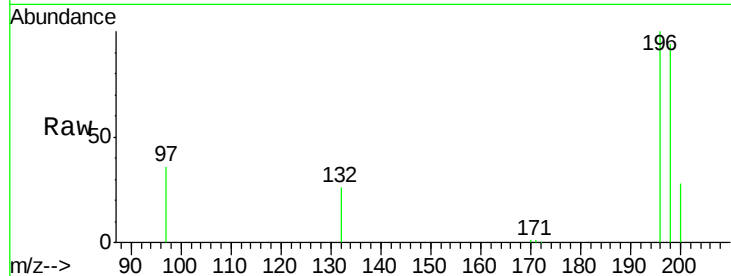




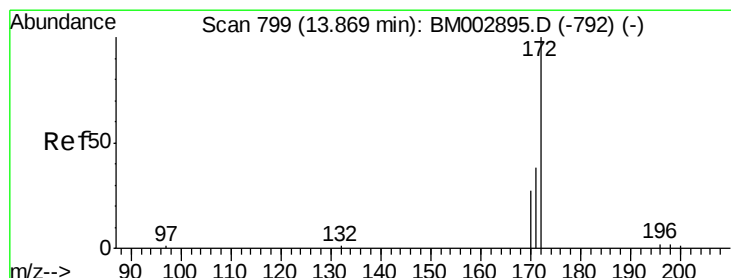
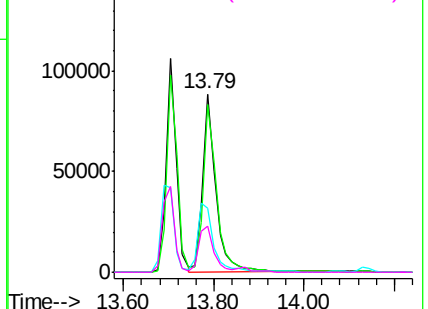
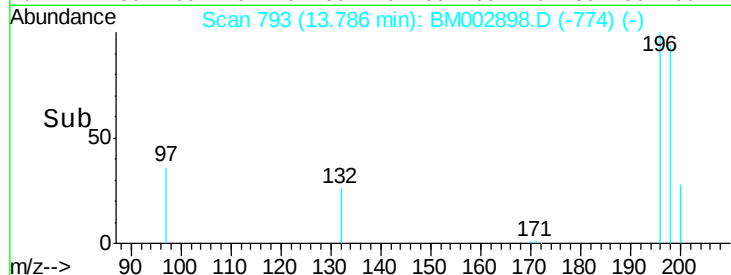
#17  
 2,4,5-Trichlorophenol  
 Concen: 10.63 ng  
 RT: 13.79 min Scan# 793  
 Delta R.T. -0.04 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

Tot Ion:196 Resp: 180647  
 Ion Ratio Lower Upper  
 196 100  
 198 93.9 73.6 110.4  
 97 36.0 0.0 0.0#  
 132 26.1 0.0 0.0#

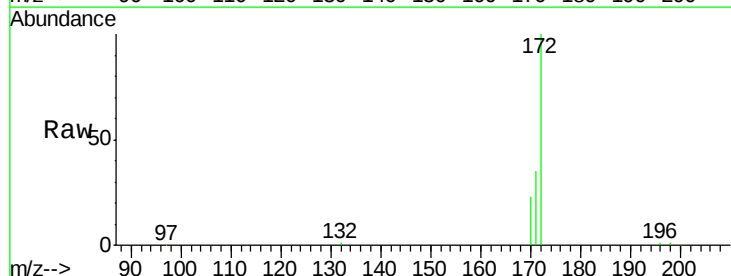


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BM  
 Ion 132.00 (131.70 to 132.70): E

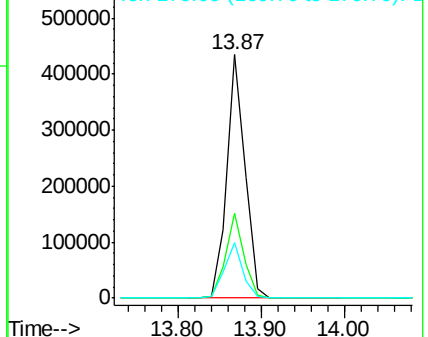
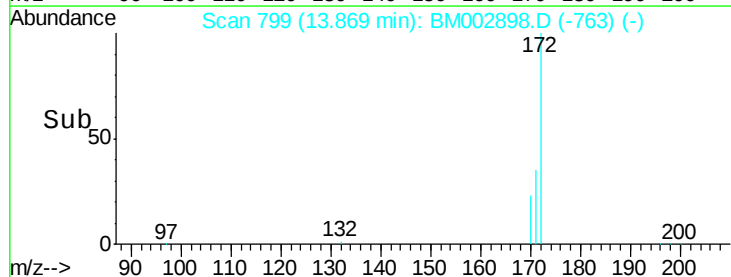


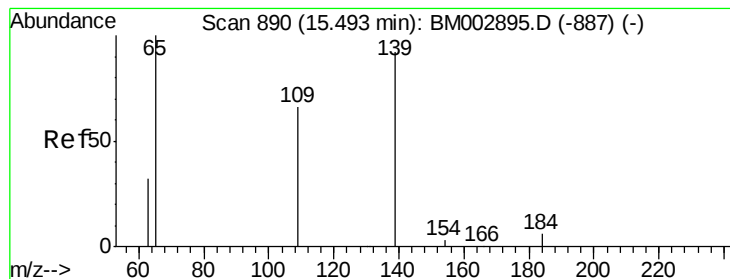
#18  
 2-Fluorobiphenyl  
 Concen: 10.03 ng  
 RT: 13.87 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

Tgt Ion:172 Resp: 658544  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 0.0 0.0#  
 170 22.6 0.0 0.0#



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#19

2,4-Dinitrophenol

Concen: 9.24 ng

RT: 15.40 min Scan# 886

Delta R.T. -0.09 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

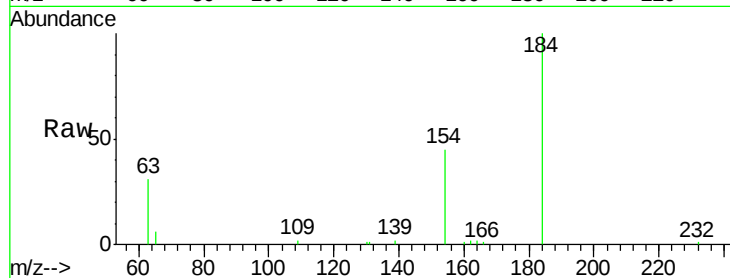
Tot Ion:184 Resp: 29653

Ion Ratio Lower Upper

184 100

63 30.9 52.0 78.0#

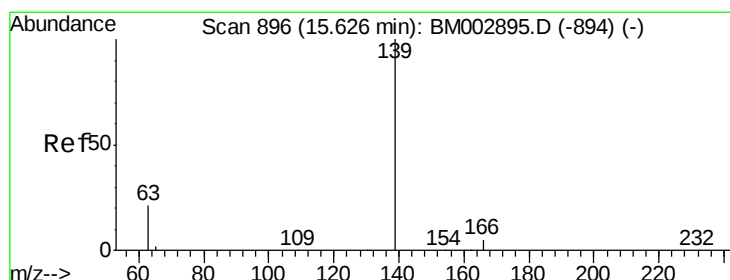
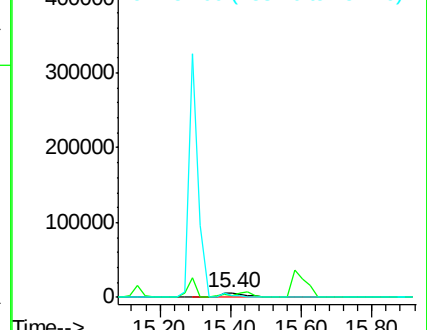
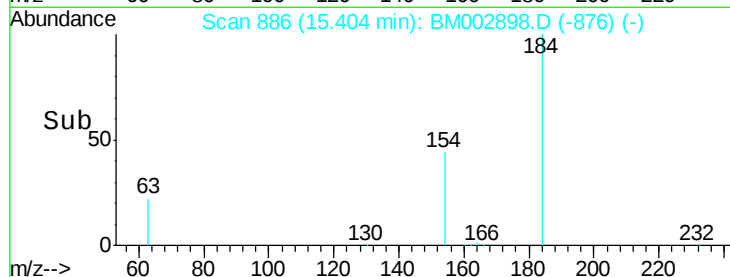
154 44.8 51.4 77.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#20

4-Nitrophenol

Concen: 29.72 ng

RT: 15.63 min Scan# 896

Delta R.T. -0.00 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

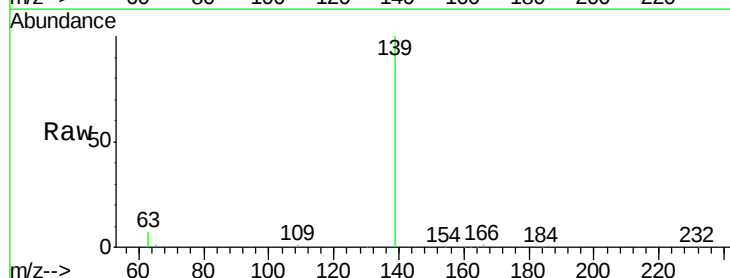
Tgt Ion:139 Resp: 339750

Ion Ratio Lower Upper

139 100

109 0.8 60.0 100.0#

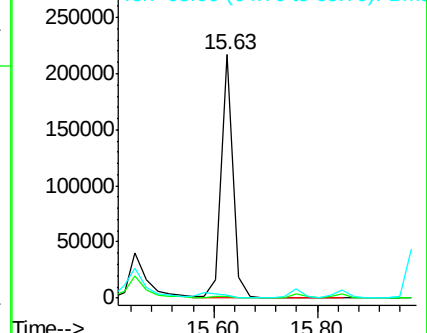
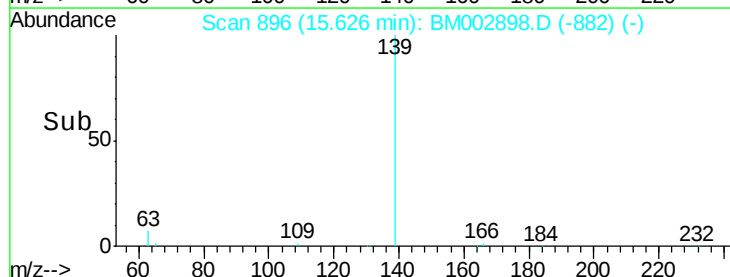
65 1.2 85.7 125.7#

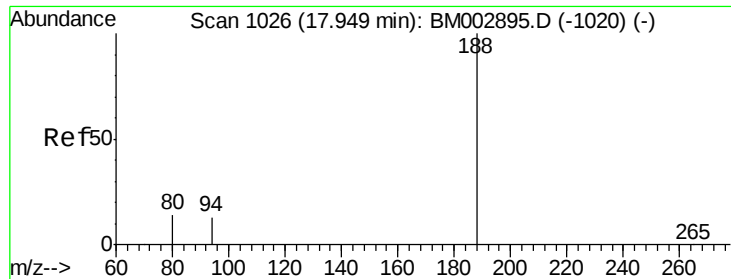


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDICC010

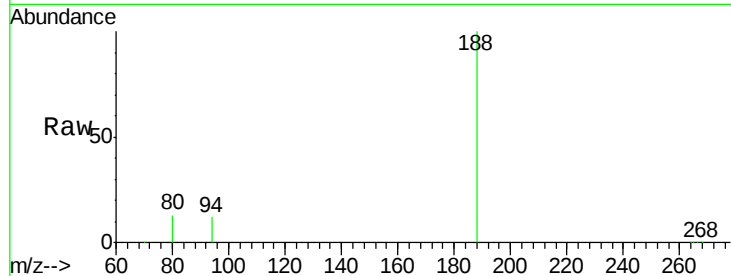
Tot Ion:188 Resp: 456068

Ion Ratio Lower Upper

188 100

94 12.4 2.9 4.3#

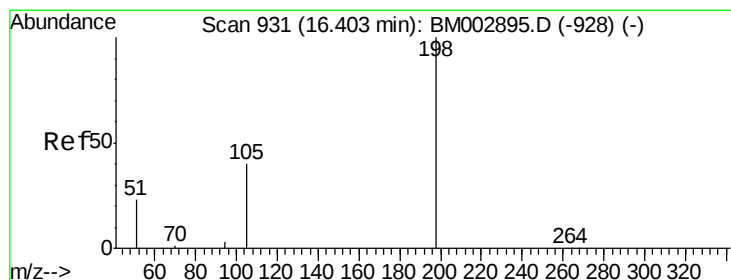
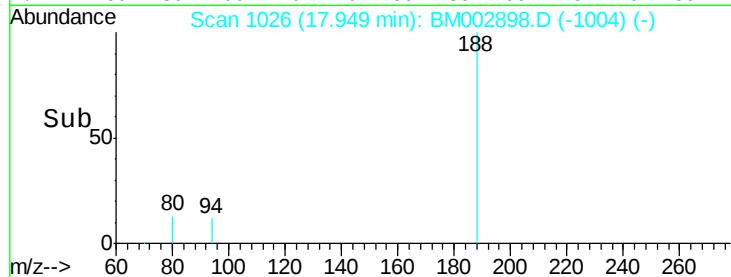
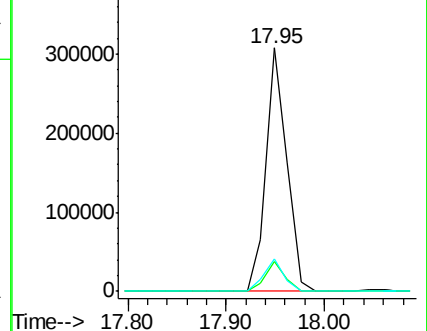
80 13.4 2.5 3.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#22

4,6-Dinitro-2-methylphenol

Concen: 8.53 ng

RT: 16.36 min Scan# 929

Delta R.T. -0.04 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

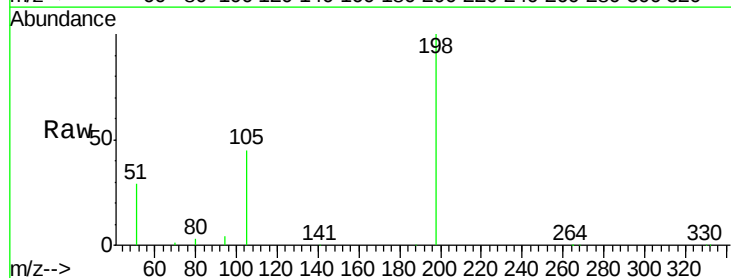
Tgt Ion:198 Resp: 75184

Ion Ratio Lower Upper

198 100

51 29.2 60.8 100.8#

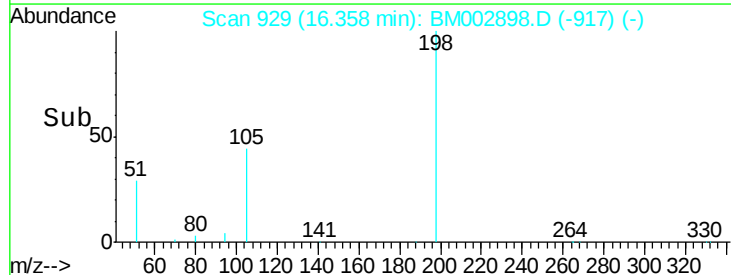
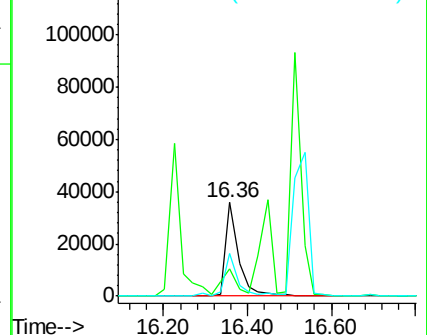
105 45.4 30.0 70.0

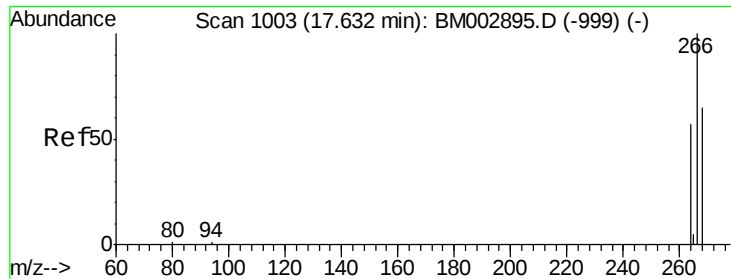


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

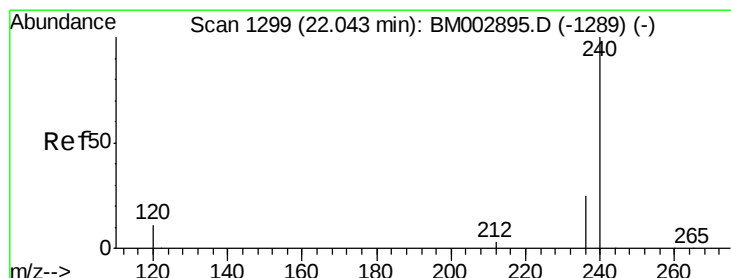
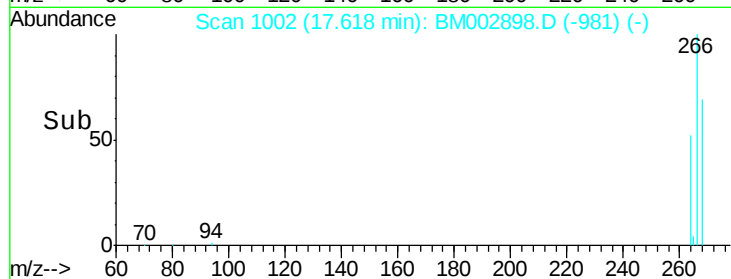
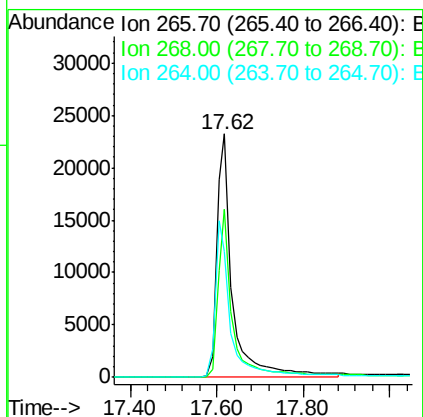
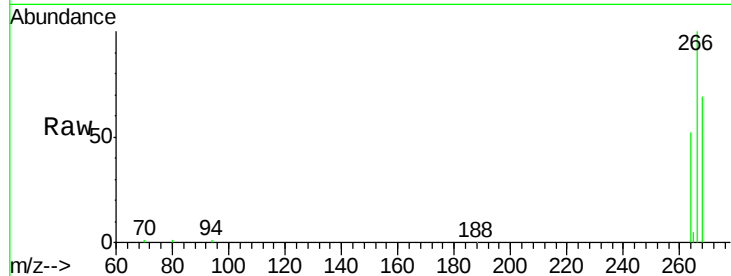




#23  
 Pentachlorophenol  
 Concen: 7.51 ng  
 RT: 17.62 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

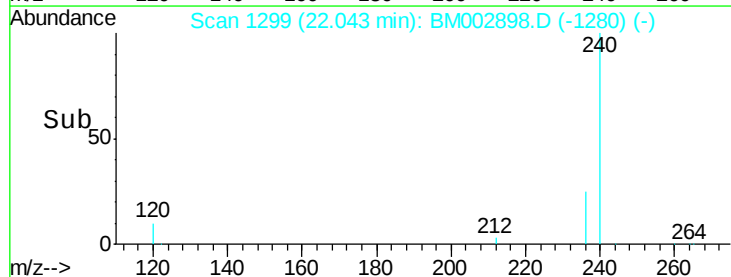
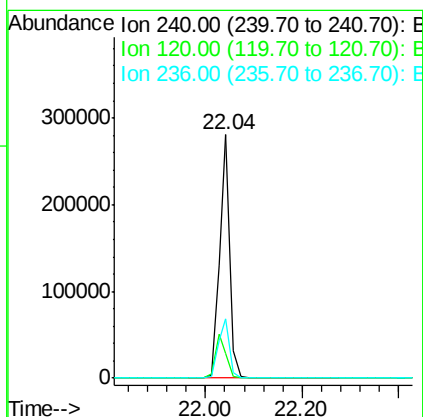
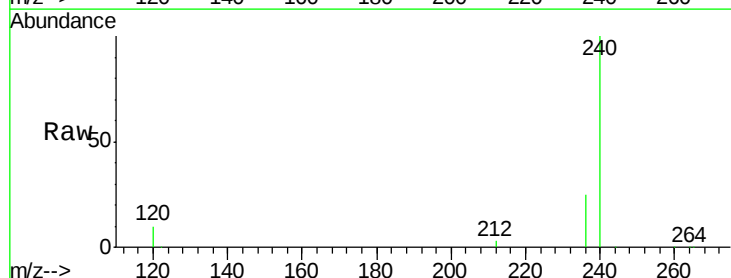
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

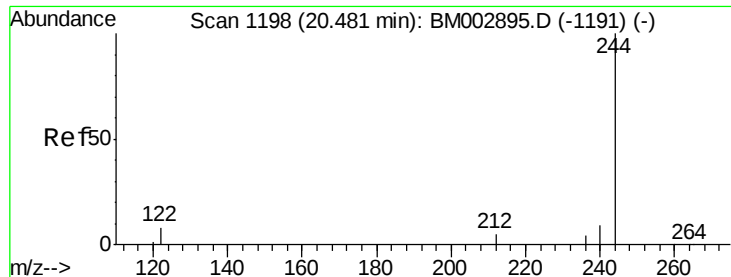
Tot Ion:266 Resp: 57239  
 Ion Ratio Lower Upper  
 266 100  
 268 68.9 62.6 94.0  
 264 51.9 47.9 71.9



#24  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 22.04 min Scan# 1299  
 Delta R.T. -0.00 min  
 Lab File: BM002898.D  
 Acq: 13 Oct 2015 22:12

Tgt Ion:240 Resp: 416552  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 10.4 15.6#  
 236 24.5 22.0 33.0





#25

Terphenyl-d14

Concen: 11.20 ng

RT: 20.48 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

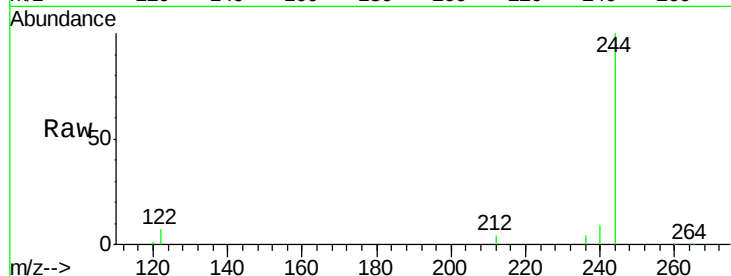
Tot Ion:244 Resp: 621276

Ion Ratio Lower Upper

244 100

212 8.2 7.3 10.9

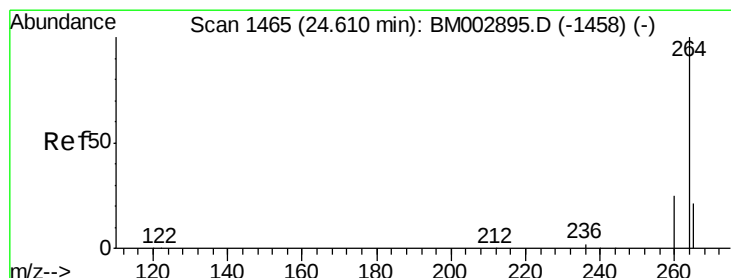
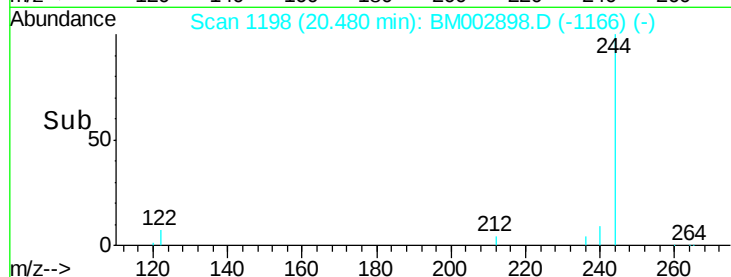
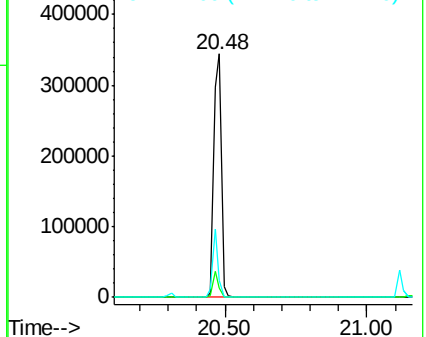
122 19.8 14.8 22.2



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



#26

Perylene-d12

Concen: 5.00 ng

RT: 24.61 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM002898.D

Acq: 13 Oct 2015 22:12

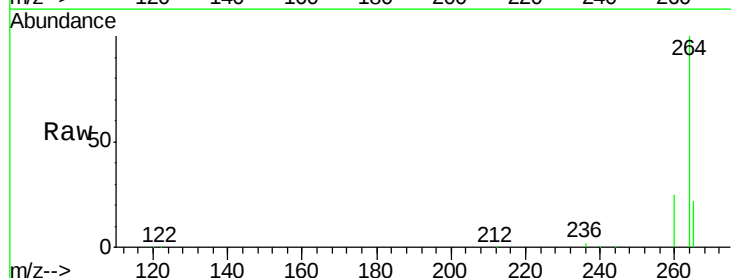
Tgt Ion:264 Resp: 379983

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 21.8 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

