

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM090216\  
 Data File : BM007370.D  
 Acq On : 02 Sep 2016 16:12  
 Operator : UM/SJ  
 Sample : H4612-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NC-TS-003MSD

Quant Time: Sep 02 16:42:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM090116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 12:51:17 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 4568     | 5.00 | ng    | -0.00    |
| 7) Naphthalene-d8         | 10.58 | 136  | 19760    | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.42 | 164  | 11361    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.16 | 188  | 23003    | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.35 | 240  | 15706    | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.61 | 264  | 14363    | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol        | 5.39  | 112 | 9349  | 9.91 | ng | 0.00  |
| 5) Phenol-d6             | 6.95  | 99  | 11842 | 9.17 | ng | -0.02 |
| 8) Nitrobenzene-d5       | 8.94  | 82  | 5478  | 4.91 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol | 15.90 | 330 | 4214  | 9.58 | ng | -0.02 |
| 15) 2-Fluorobiphenyl     | 13.05 | 172 | 14473 | 4.10 | ng | 0.00  |
| 29) Terphenyl-d14        | 19.79 | 244 | 10579 | 5.02 | ng | 0.00  |

## Target Compounds

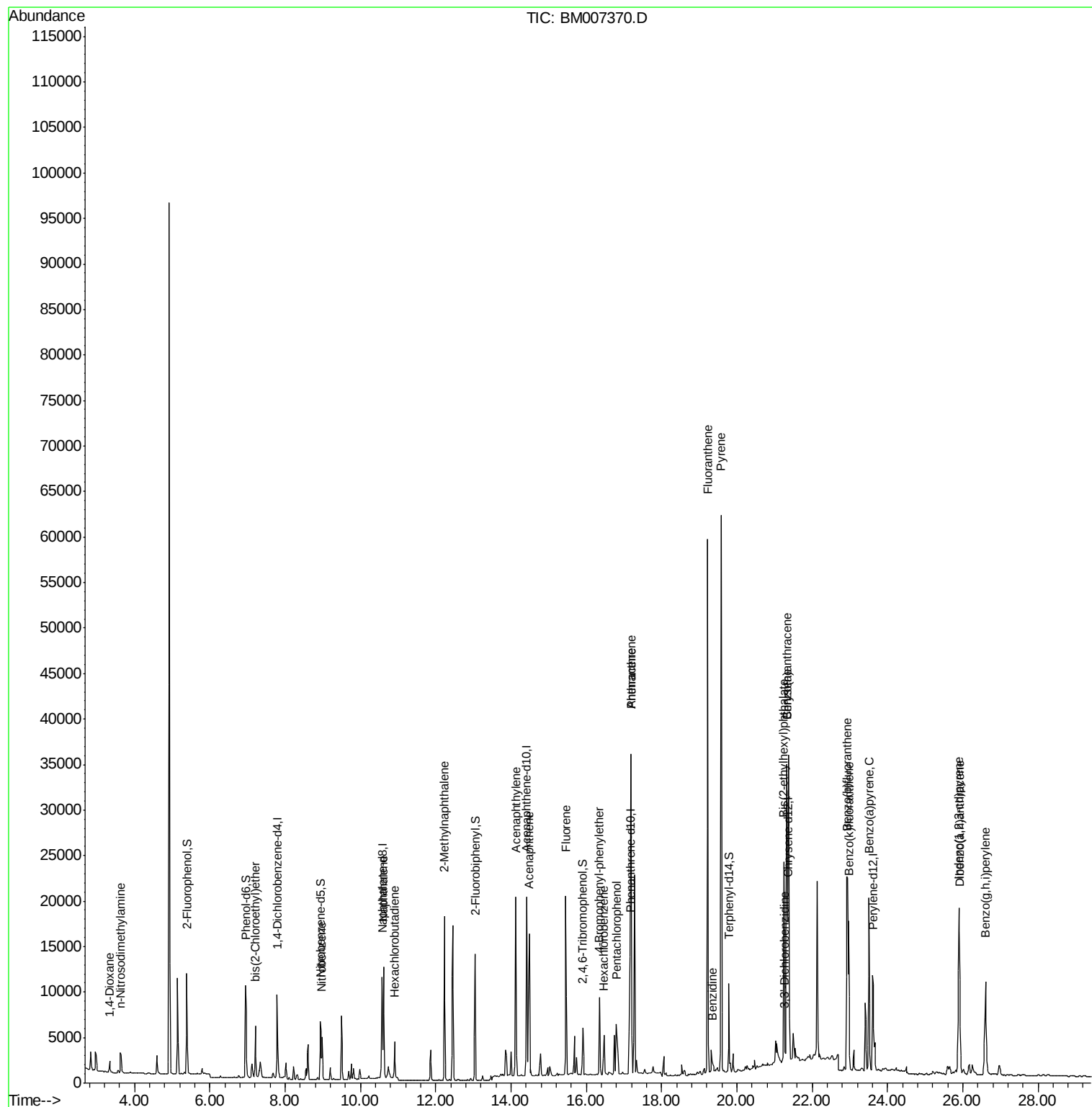
|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 875   | 2.68  | ng | # 64   |
| 3) n-Nitrosodimethylamine      | 3.63  | 42  | 2057  | 4.02  | ng | # 87   |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93  | 4199  | 4.23  | ng | 99     |
| 9) Nitrobenzene                | 8.98  | 77  | 5047  | 4.74  | ng | 96     |
| 10) Naphthalene                | 10.61 | 128 | 18056 | 3.99  | ng | # 85   |
| 11) Hexachlorobutadiene        | 10.90 | 225 | 3172  | 3.84  | ng | # 1    |
| 12) 2-Methylnaphthalene        | 12.24 | 142 | 12925 | 4.00  | ng | 95     |
| 16) Acenaphthylene             | 14.13 | 152 | 23217 | 4.72  | ng | 100    |
| 17) Acenaphthene               | 14.48 | 154 | 13359 | 3.93  | ng | 95     |
| 18) Fluorene                   | 15.46 | 166 | 15770 | 3.95  | ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.35 | 248 | 4504  | 4.84  | ng | # 74   |
| 21) Hexachlorobenzene          | 16.47 | 284 | 4628  | 3.93  | ng | # 93   |
| 22) Pentachlorophenol          | 16.81 | 266 | 5079  | 14.01 | ng | # 82   |
| 23) Phenanthrene               | 17.19 | 178 | 45220 | 7.70  | ng | 99     |
| 24) Anthracene                 | 17.19 | 178 | 44869 | 7.60  | ng | 97     |
| 25) Fluoranthene               | 19.23 | 202 | 62695 | 9.07  | ng | 99     |
| 27) Benzidine                  | 19.36 | 184 | 33    | 0.03  | ng | # 1    |
| 28) Pyrene                     | 19.59 | 202 | 59394 | 13.27 | ng | # 96   |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 35366 | 7.79  | ng | 98     |
| 31) 3,3'-Dichlorobenzidine     | 21.27 | 252 | 386   | 0.31  | ng | # 65   |
| 32) Chrysene                   | 21.33 | 228 | 35226 | 7.97  | ng | # 84   |
| 33) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 22159 | 9.36  | ng | # 98   |
| 34) Indeno(1,2,3-cd)pyrene     | 25.90 | 276 | 23430 | 6.03  | ng | 100    |
| 36) Benzo(b)fluoranthene       | 22.93 | 252 | 36255 | 8.10  | ng | 95     |
| 37) Benzo(k)fluoranthene       | 22.98 | 252 | 19659 | 4.76  | ng | 98     |
| 38) Benzo(a)pyrene             | 23.51 | 252 | 27628 | 6.95  | ng | 94     |
| 39) Dibenzo(a,h)anthracene     | 25.92 | 278 | 14069 | 4.36  | ng | 92     |
| 40) Benzo(g,h,i)perylene       | 26.61 | 276 | 21373 | 6.39  | ng | 92     |

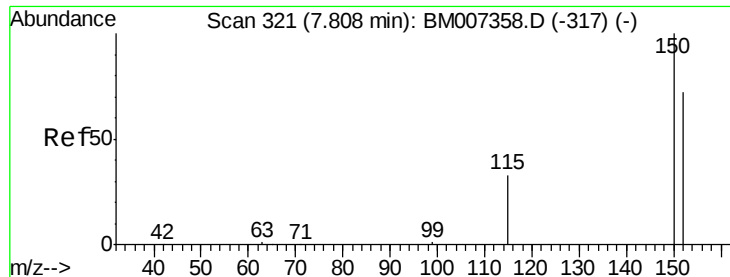
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM090216\  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 12:51:17 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 320

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

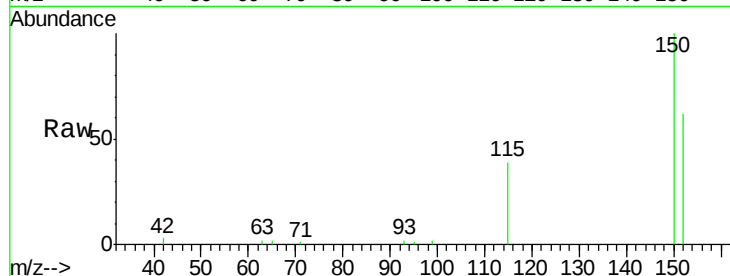
Tgt Ion:152 Resp: 4568

Ion Ratio Lower Upper

152 100

150 160.7 109.8 164.8

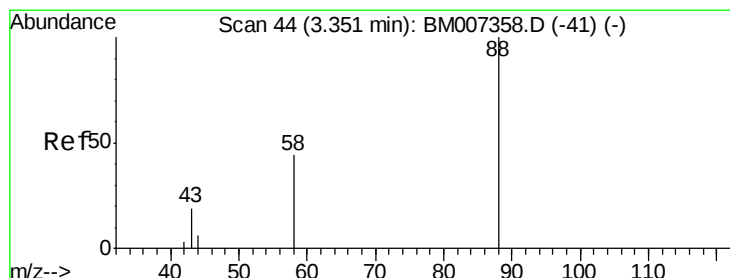
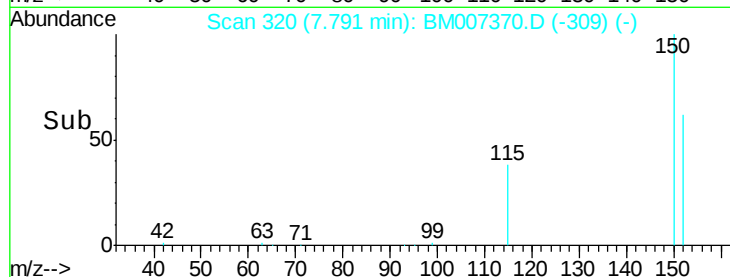
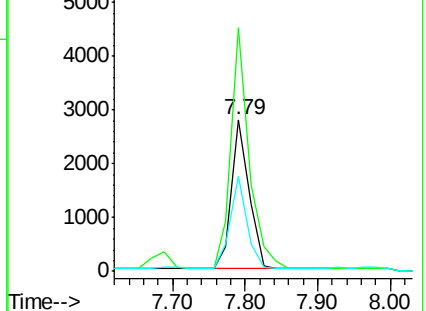
115 62.9 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.68 ng

RT: 3.34 min Scan# 43

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

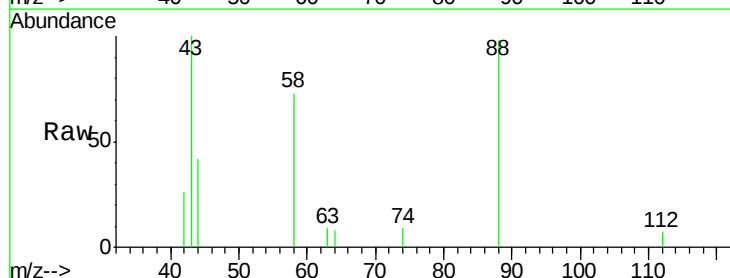
Tgt Ion: 88 Resp: 875

Ion Ratio Lower Upper

88 100

58 69.1 41.0 61.4#

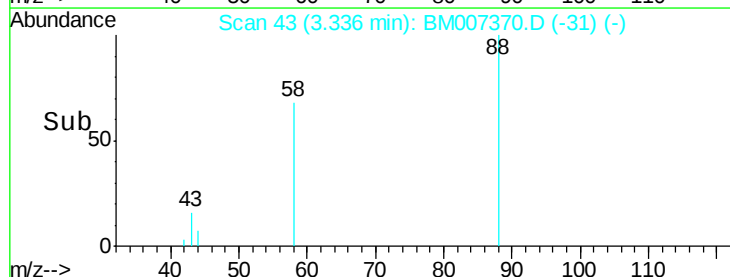
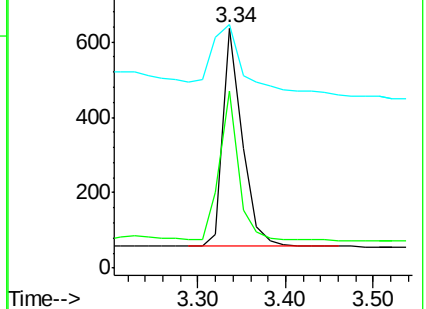
43 59.7 24.2 36.2#

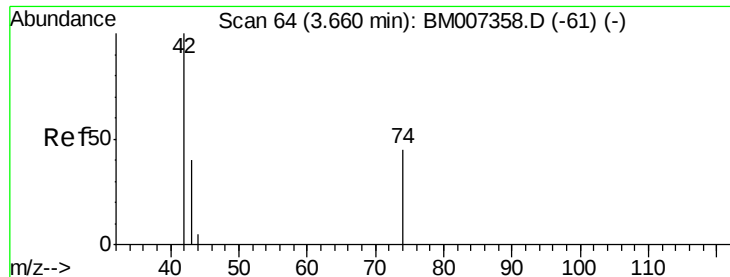


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 4.02 ng

RT: 3.63 min Scan# 62

Delta R.T. -0.03 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

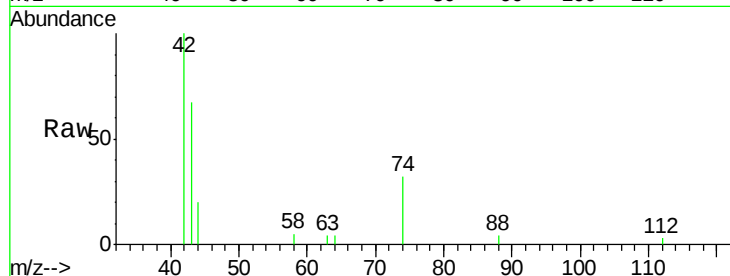
Tgt Ion: 42 Resp: 2057

Ion Ratio Lower Upper

42 100

74 91.3 78.9 118.3

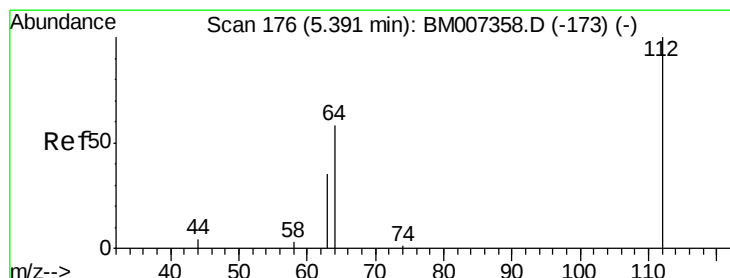
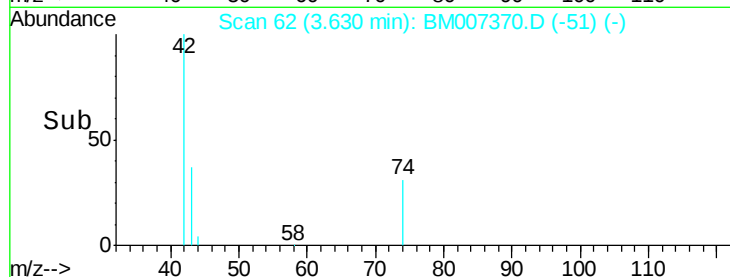
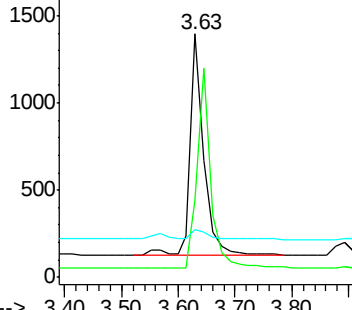
44 4.8 19.1 28.7#



Abundance Ion 42.00 (41.70 to 42.70): BM007358.D (-61) (-)

Ion 74.00 (73.70 to 74.70): BM007358.D (-61) (-)

Ion 44.00 (43.70 to 44.70): BM007358.D (-61) (-)



#4

2-Fluorophenol

Concen: 9.91 ng

RT: 5.39 min Scan# 176

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

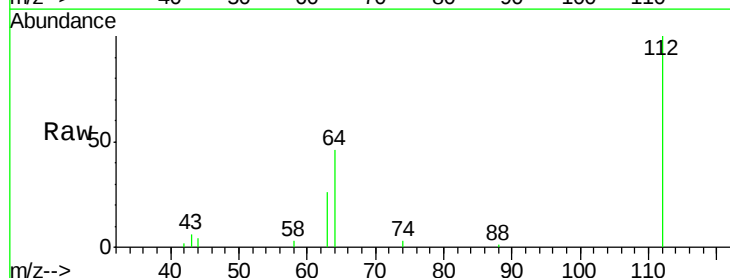
Tgt Ion: 112 Resp: 9349

Ion Ratio Lower Upper

112 100

64 50.1 36.9 55.3

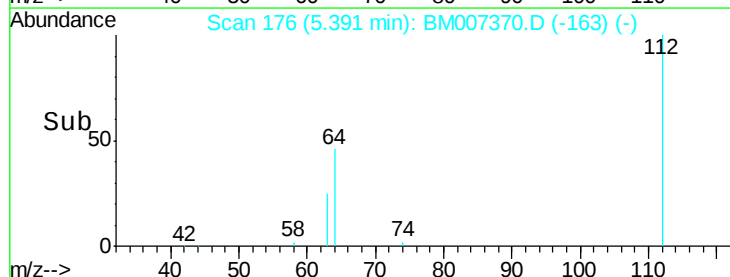
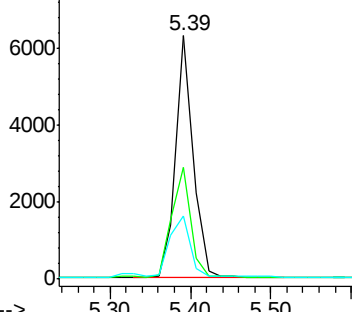
63 31.8 22.6 34.0

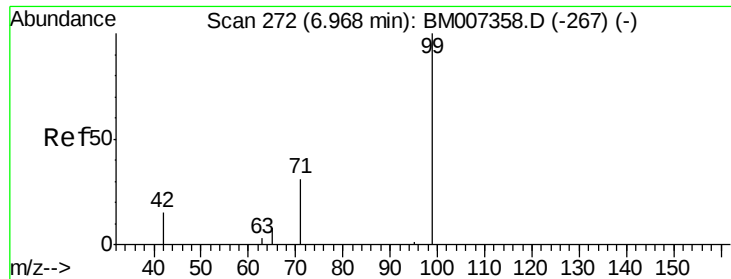


Abundance Ion 112.00 (111.70 to 112.70): BM007358.D (-173) (-)

Ion 64.00 (63.70 to 64.70): BM007358.D (-173) (-)

Ion 63.00 (62.70 to 63.70): BM007358.D (-173) (-)





#5

Phenol-d6

Concen: 9.17 ng

RT: 6.95 min Scan# 271

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

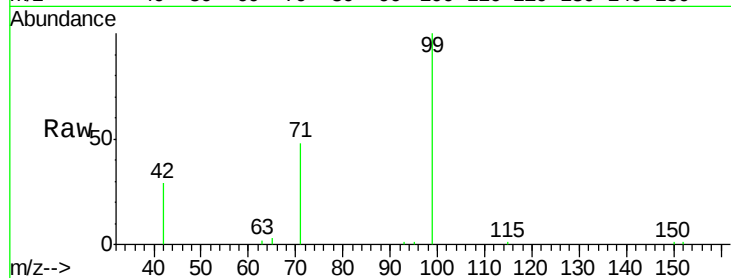
Tgt Ion: 99 Resp: 11842

Ion Ratio Lower Upper

99 100

42 22.1 19.8 29.8

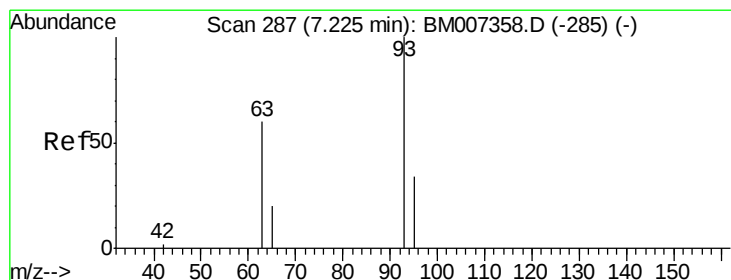
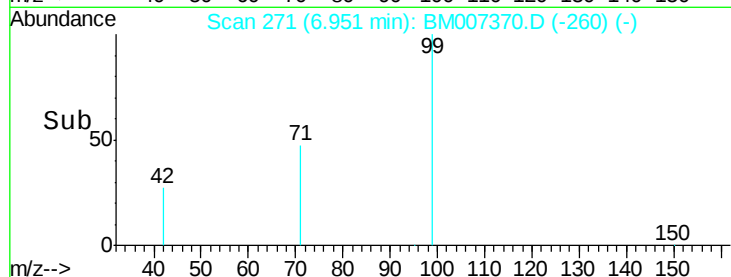
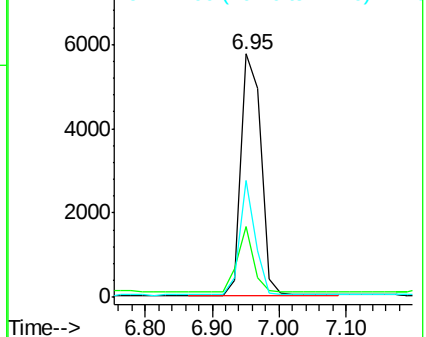
71 37.3 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BM007370.D (-260) (-)

Ion 42.00 (41.70 to 42.70): BM007370.D (-260) (-)

Ion 71.00 (70.70 to 71.70): BM007370.D (-260) (-)



#6

bis(2-Chloroethyl)ether

Concen: 4.23 ng

RT: 7.21 min Scan# 286

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

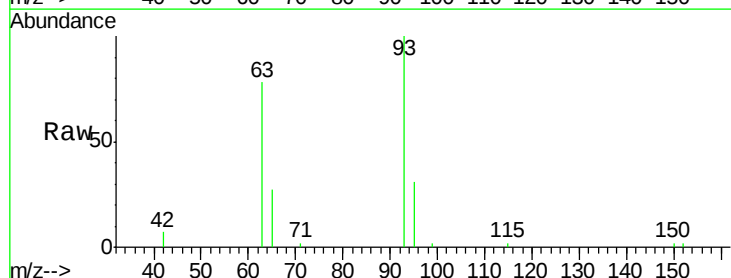
Tgt Ion: 93 Resp: 4199

Ion Ratio Lower Upper

93 100

63 66.9 54.3 81.5

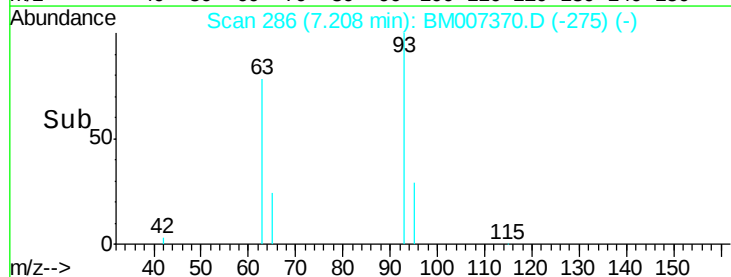
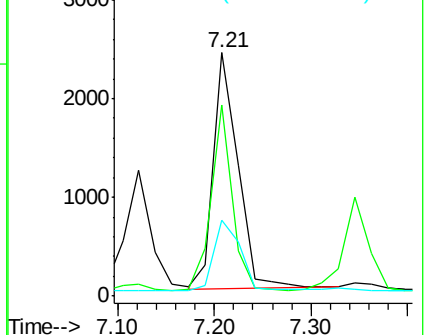
95 31.6 25.7 38.5

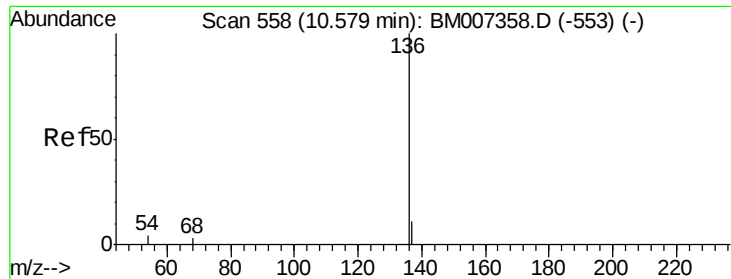


Abundance Ion 93.00 (92.70 to 93.70): BM007370.D (-275) (-)

Ion 63.00 (62.70 to 63.70): BM007370.D (-275) (-)

Ion 95.00 (94.70 to 95.70): BM007370.D (-275) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.58 min Scan# 558

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

Tgt Ion:136 Resp: 19760

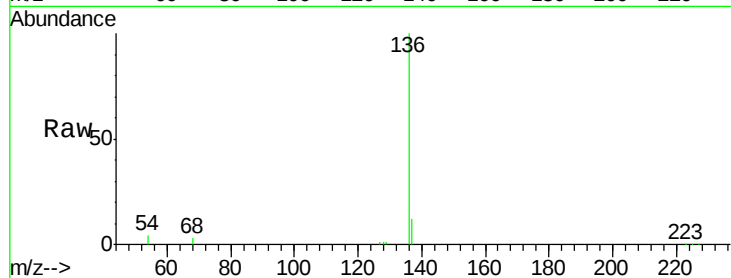
Ion Ratio Lower Upper

136 100

137 12.0 9.4 14.0

54 3.6 4.0 6.0#

68 2.9 2.7 4.1

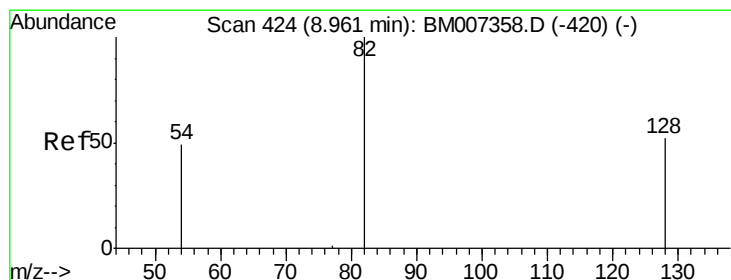
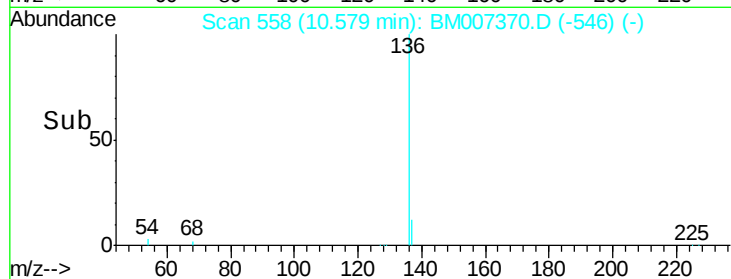
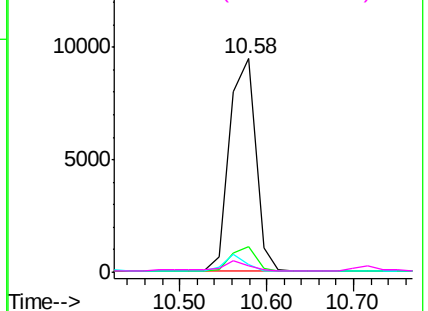


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.91 ng

RT: 8.94 min Scan# 422

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

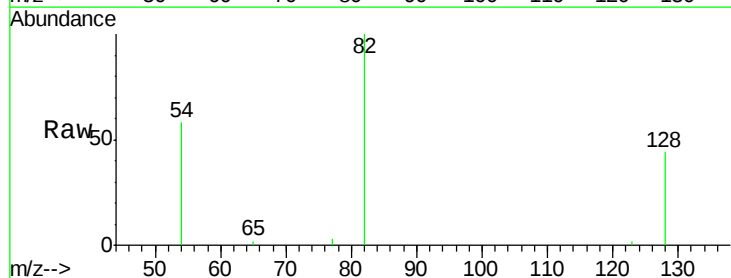
Tgt Ion: 82 Resp: 5478

Ion Ratio Lower Upper

82 100

128 44.3 54.9 82.3#

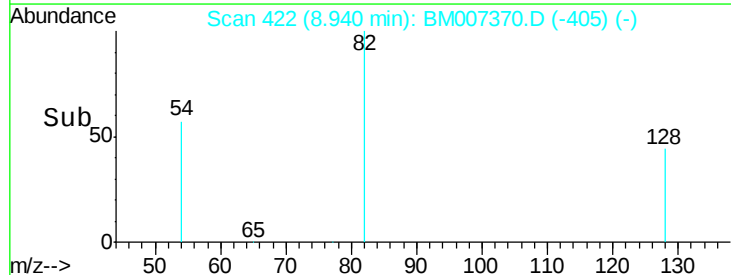
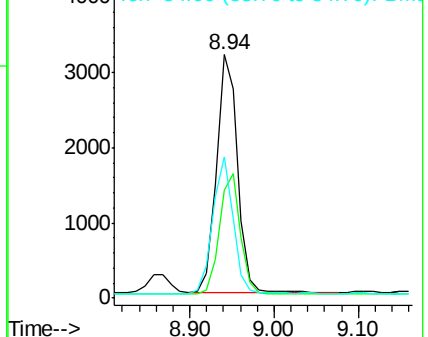
54 57.8 53.8 80.6

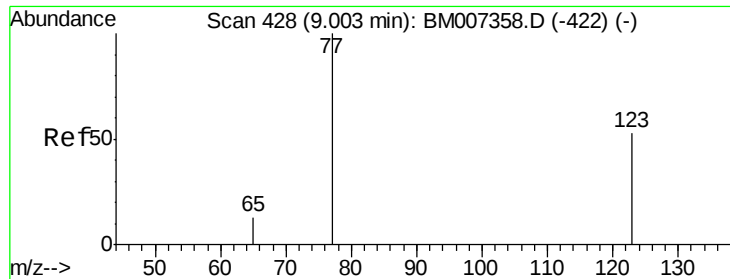


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 4.74 ng

RT: 8.98 min Scan# 426

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

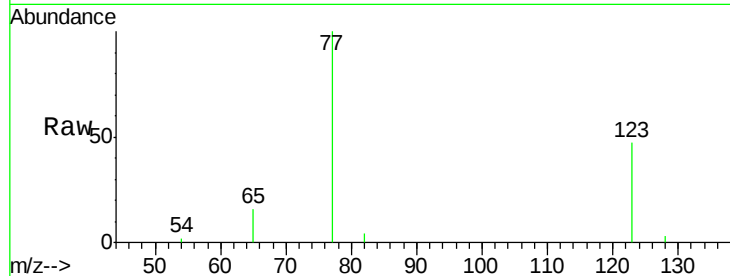
Tgt Ion: 77 Resp: 5047

Ion Ratio Lower Upper

77 100

123 52.8 40.0 60.0

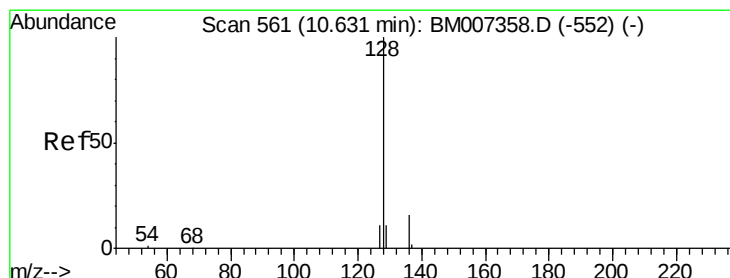
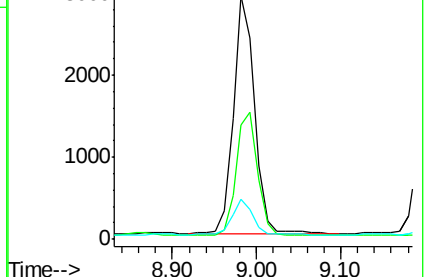
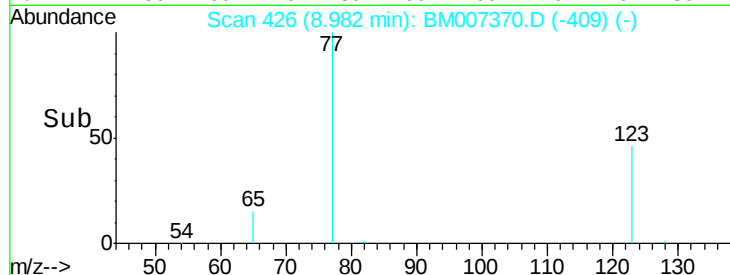
65 14.6 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BM007358.D (-422) (-)

Ion 123.00 (122.70 to 123.70): BM007358.D (-422) (-)

Ion 65.00 (64.70 to 65.70): BM007358.D (-422) (-)



#10

Naphthalene

Concen: 3.99 ng

RT: 10.61 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

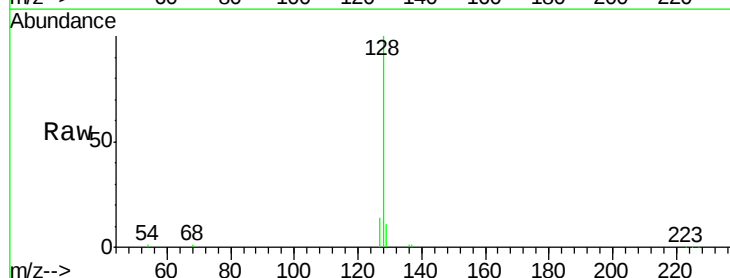
Tgt Ion: 128 Resp: 18056

Ion Ratio Lower Upper

128 100

129 10.9 15.5 23.3#

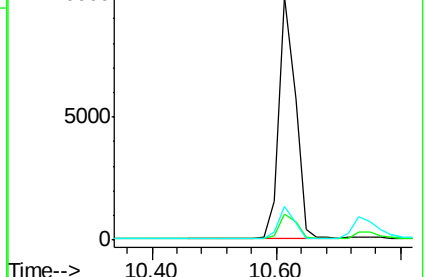
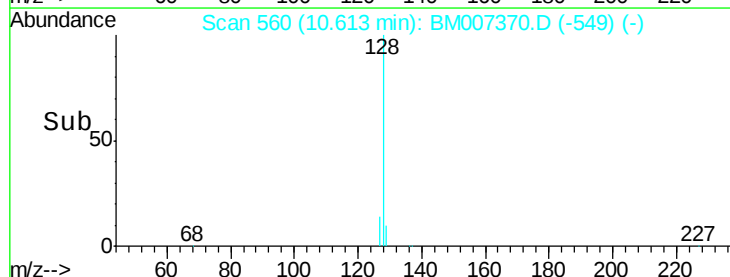
127 14.1 15.5 23.3#

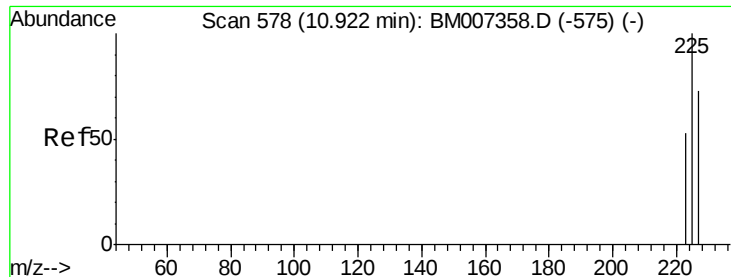


Abundance Ion 128.00 (127.70 to 128.70): BM007358.D (-552) (-)

Ion 129.00 (128.70 to 129.70): BM007358.D (-552) (-)

Ion 127.00 (126.70 to 127.70): BM007358.D (-552) (-)

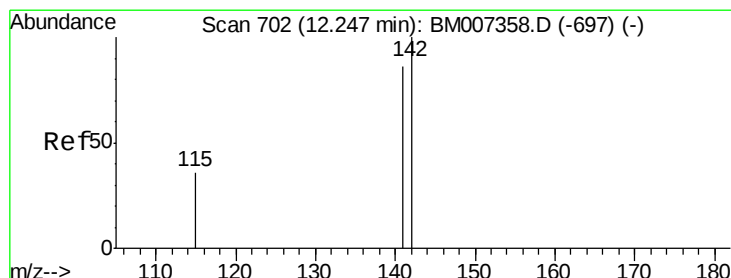
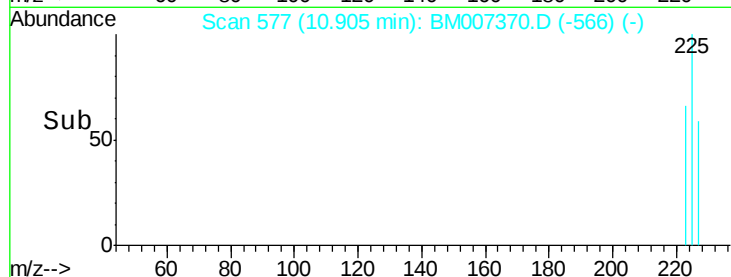
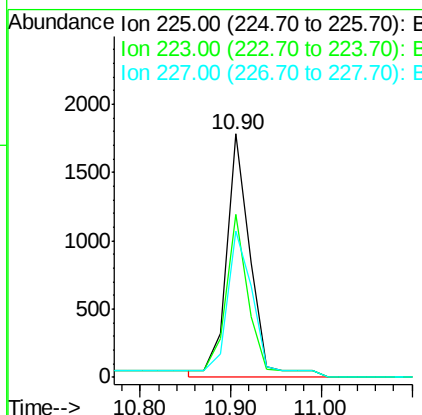
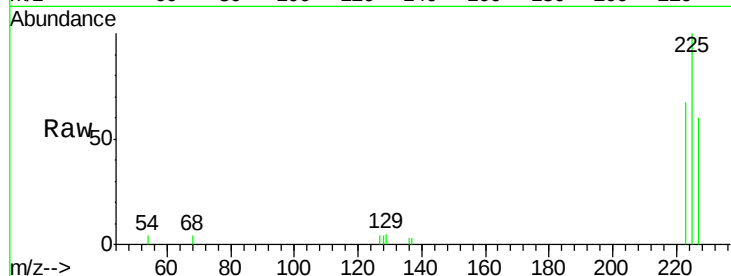




#11  
Hexachlorobutadiene  
Concen: 3.84 ng  
RT: 10.90 min Scan# 577  
Delta R.T. -0.02 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

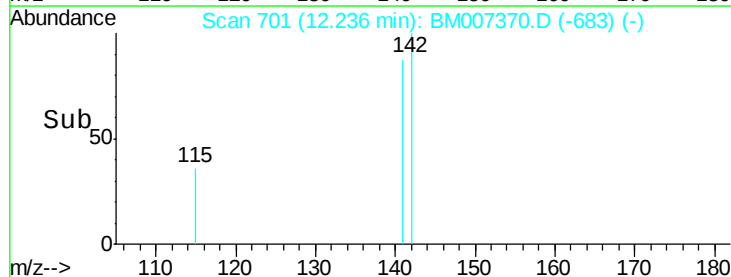
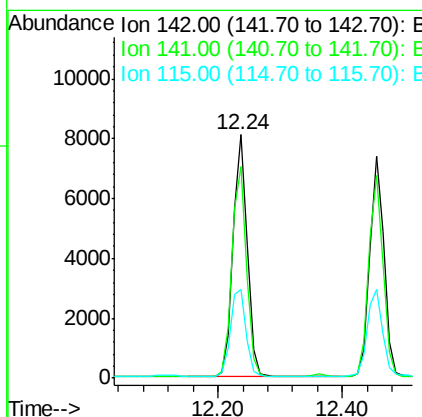
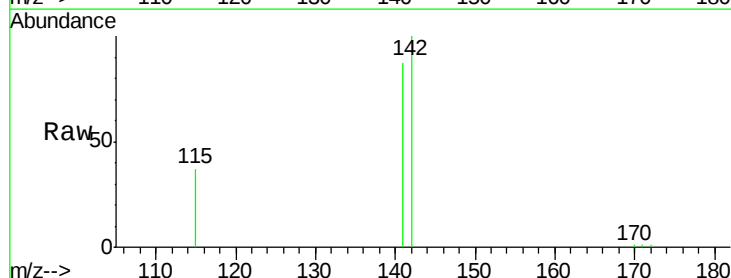
Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

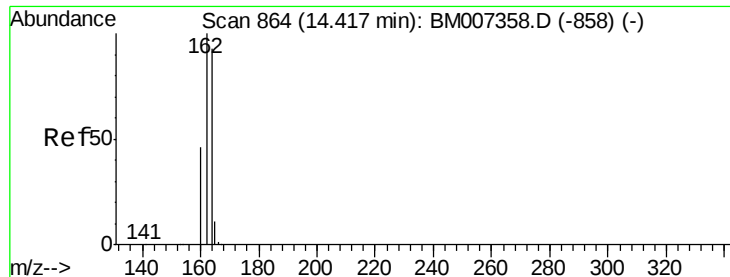
Tgt Ion: 225 Resp: 3172  
Ion Ratio Lower Upper  
225 100  
223 67.6 197.7 296.5#  
227 68.0 196.2 294.4#



#12  
2-Methylnaphthalene  
Concen: 4.00 ng  
RT: 12.24 min Scan# 701  
Delta R.T. -0.01 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion: 142 Resp: 12925  
Ion Ratio Lower Upper  
142 100  
141 86.8 70.2 105.4  
115 36.6 35.7 53.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 864

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

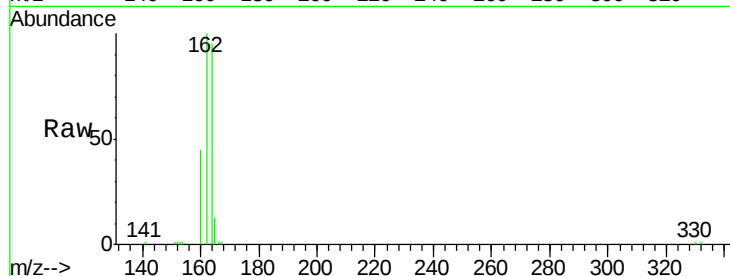
Tgt Ion:164 Resp: 11361

Ion Ratio Lower Upper

164 100

162 104.8 86.2 129.4

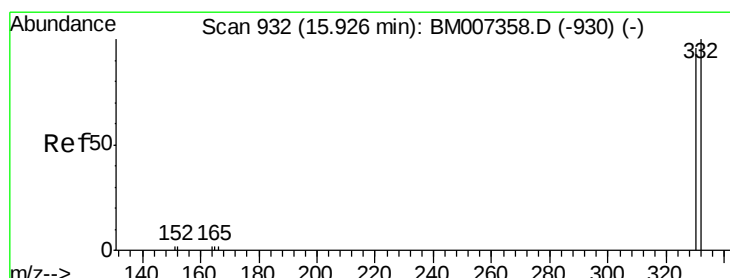
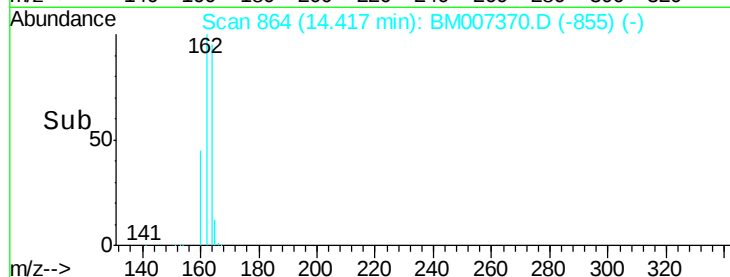
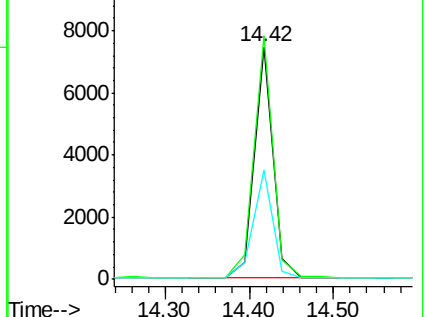
160 47.2 40.5 60.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 9.58 ng

RT: 15.90 min Scan# 931

Delta R.T. -0.02 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

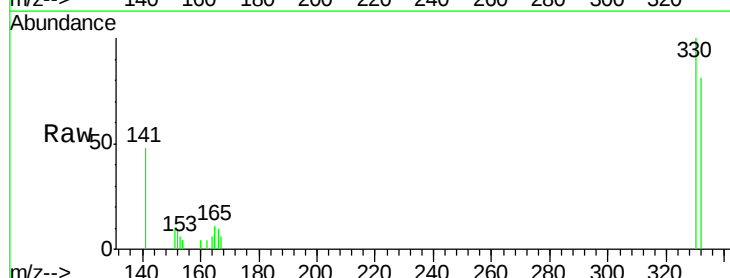
Tgt Ion:330 Resp: 4214

Ion Ratio Lower Upper

330 100

332 94.1 79.2 118.8

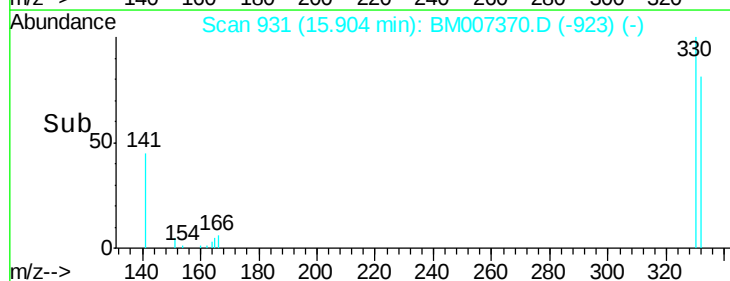
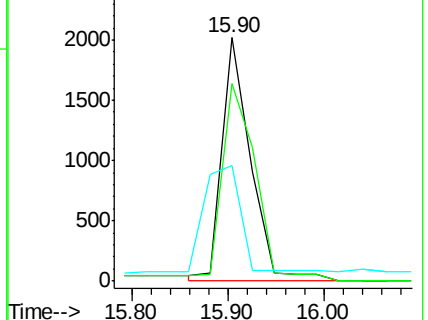
141 56.7 0.0 0.0#

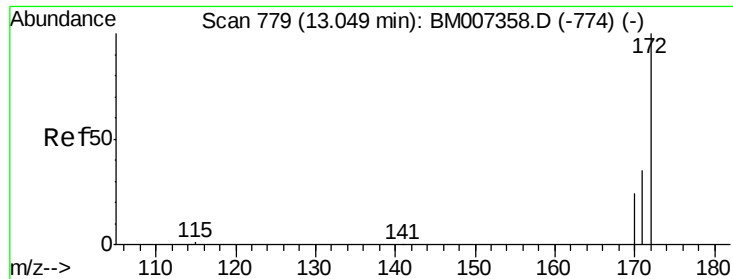


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

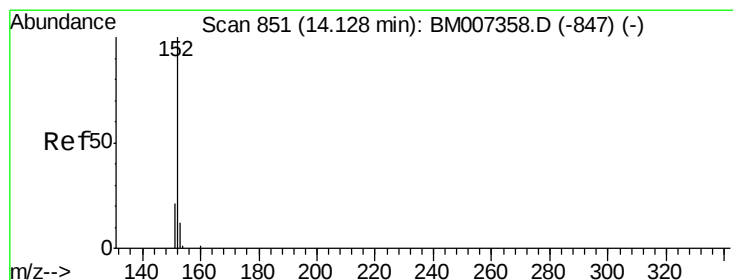
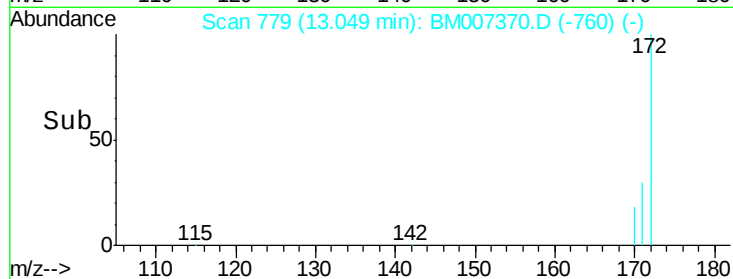
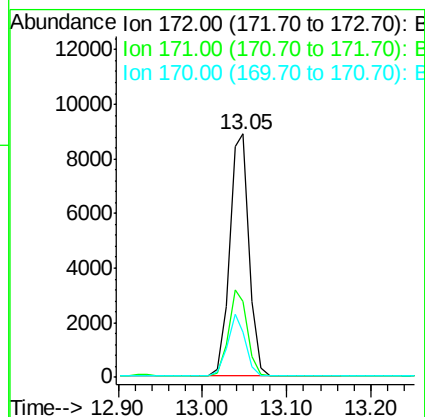
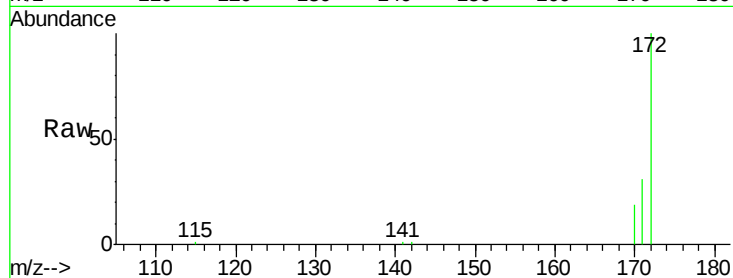




#15  
2-Fluorobiphenyl  
Concen: 4.10 ng  
RT: 13.05 min Scan# 779  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

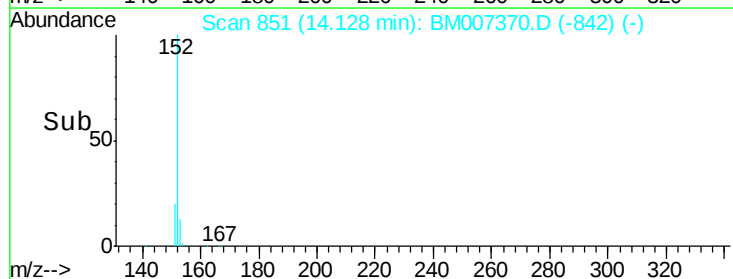
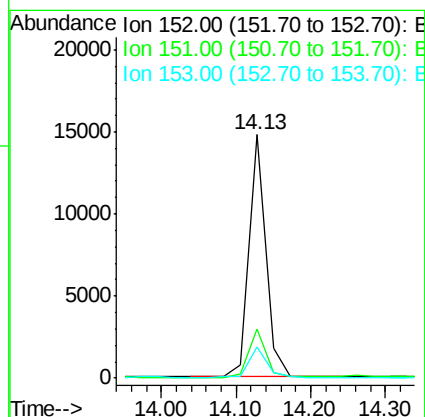
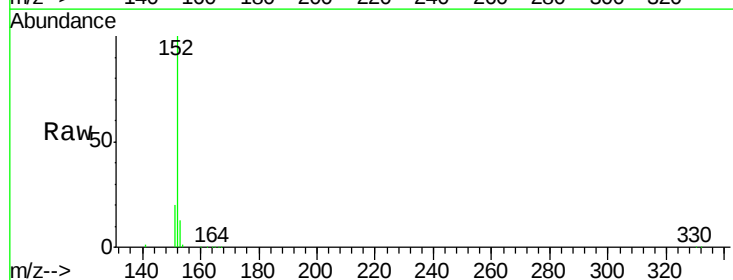
Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

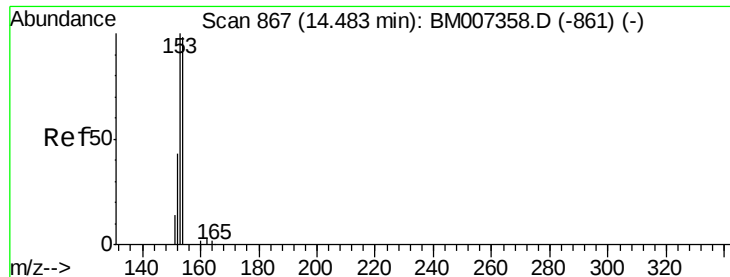
Tgt Ion:172 Resp: 14473  
Ion Ratio Lower Upper  
172 100  
171 31.2 32.2 48.2#  
170 18.7 23.5 35.3#



#16  
Acenaphthylene  
Concen: 4.72 ng  
RT: 14.13 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion:152 Resp: 23217  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 12.8 10.1 15.1

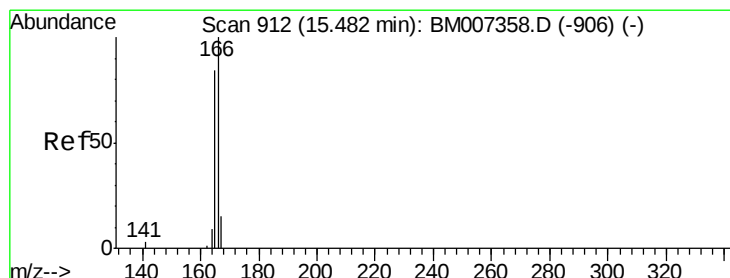
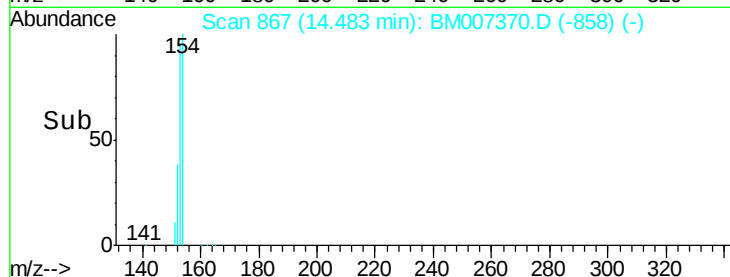
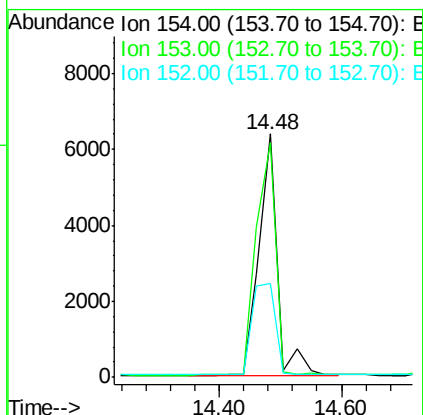
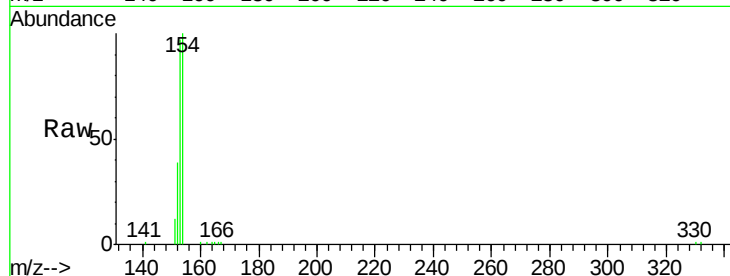




#17  
Acenaphthene  
Concen: 3.93 ng  
RT: 14.48 min Scan# 867  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

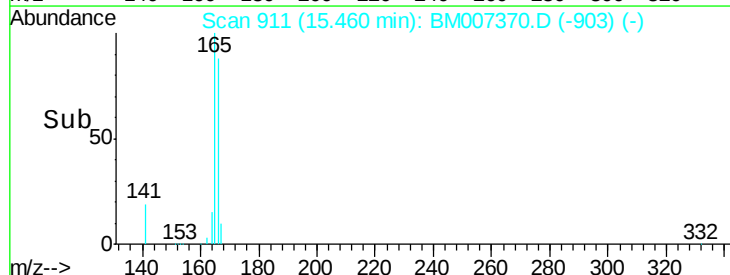
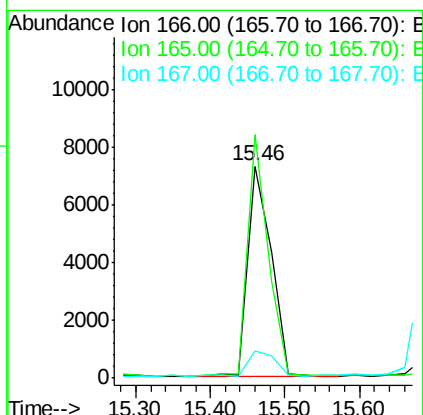
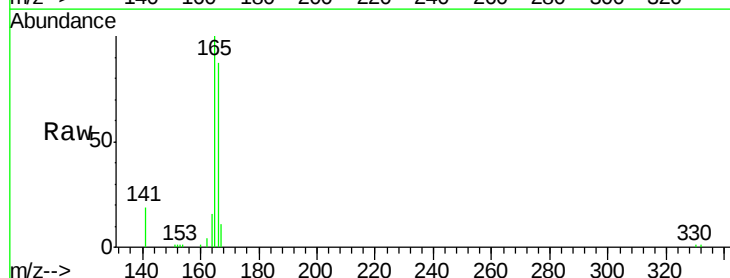
Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

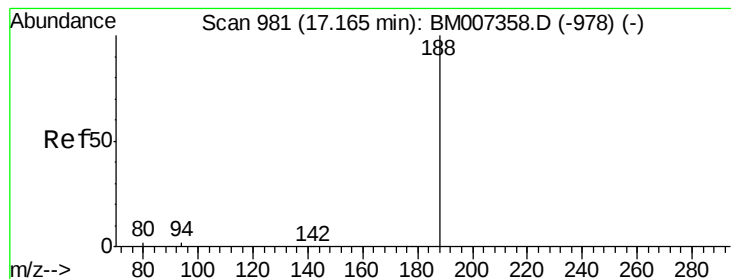
Tgt Ion:154 Resp: 13359  
Ion Ratio Lower Upper  
154 100  
153 101.7 85.1 127.7  
152 47.7 40.9 61.3



#18  
Fluorene  
Concen: 3.95 ng  
RT: 15.46 min Scan# 911  
Delta R.T. -0.02 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion:166 Resp: 15770  
Ion Ratio Lower Upper  
166 100  
165 100.8 78.8 118.2  
167 14.0 10.8 16.2





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.16 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

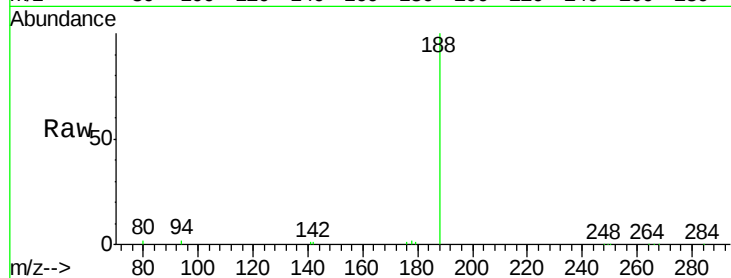
Tgt Ion:188 Resp: 23003

Ion Ratio Lower Upper

188 100

94 2.2 2.0 3.0

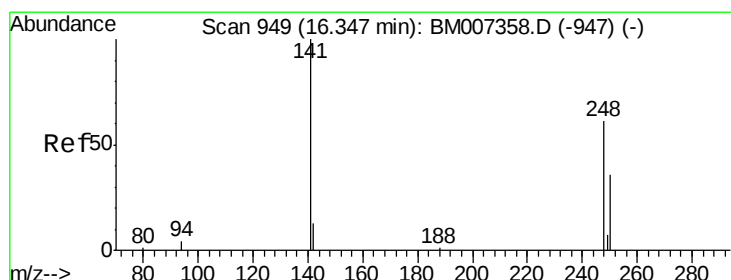
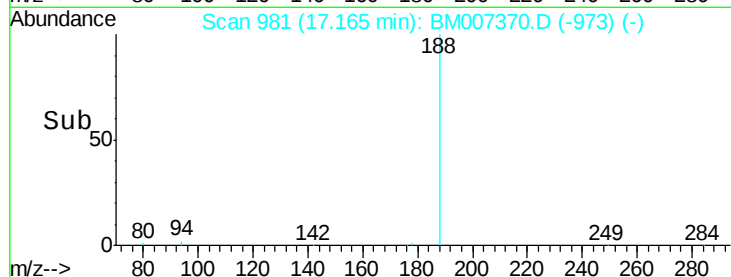
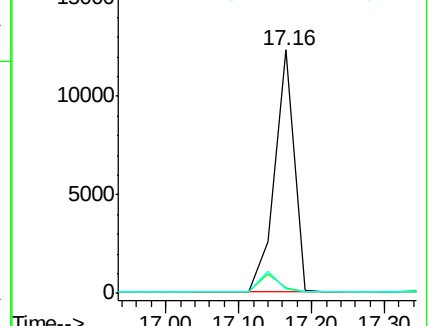
80 1.9 1.6 2.4



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



#20

4-Bromophenyl-phenylether

Concen: 4.84 ng

RT: 16.35 min Scan# 949

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

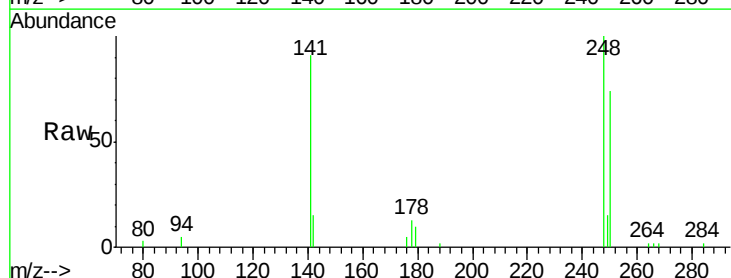
Tgt Ion:248 Resp: 4504

Ion Ratio Lower Upper

248 100

250 82.7 0.0 0.0#

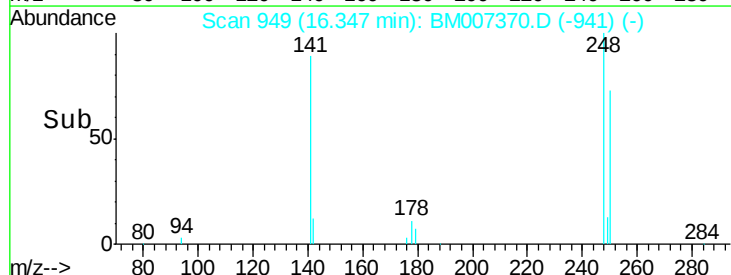
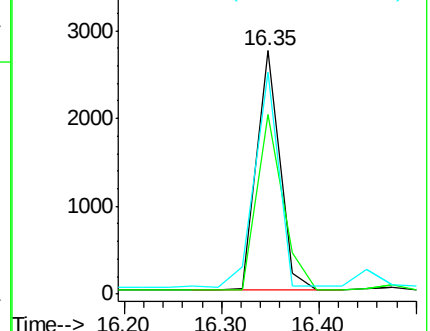
141 93.4 98.2 147.4#

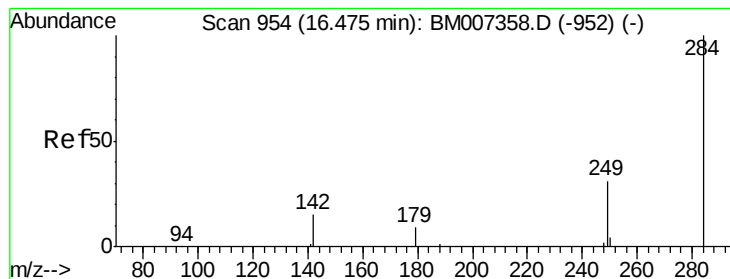


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

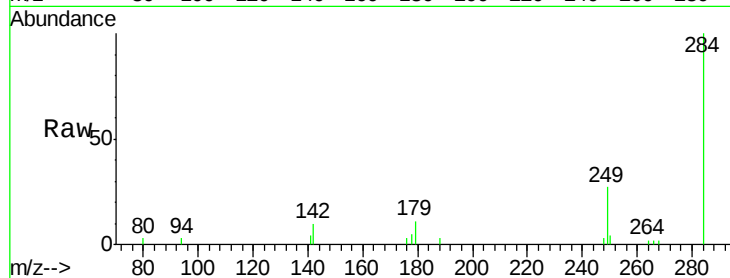




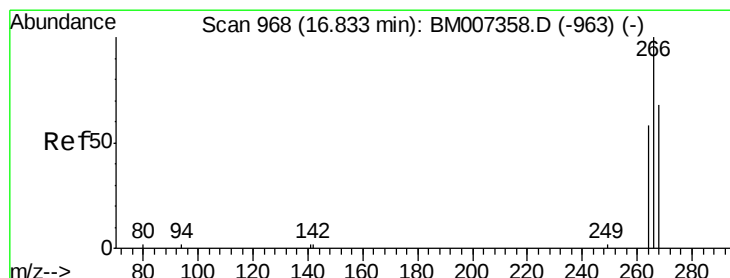
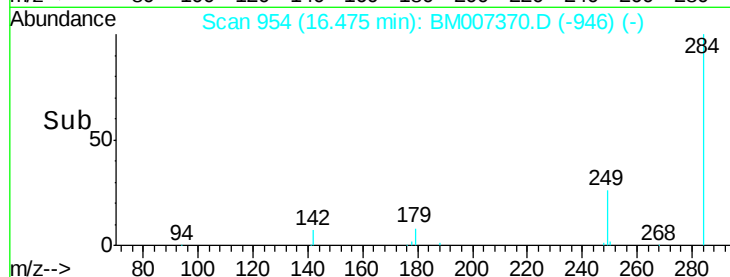
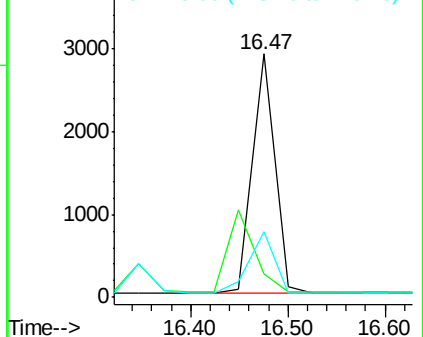
#21  
Hexachlorobenzene  
Concen: 3.93 ng  
RT: 16.47 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

Tgt Ion: 284 Resp: 4628  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 29.5 26.6 40.0

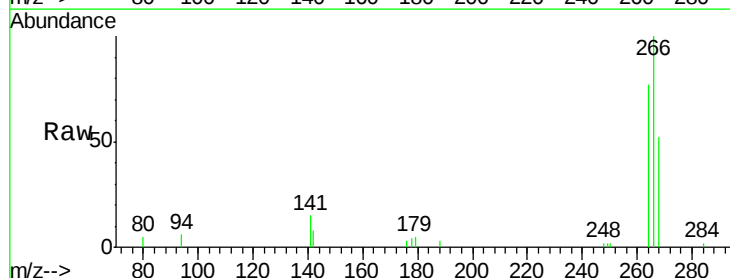


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

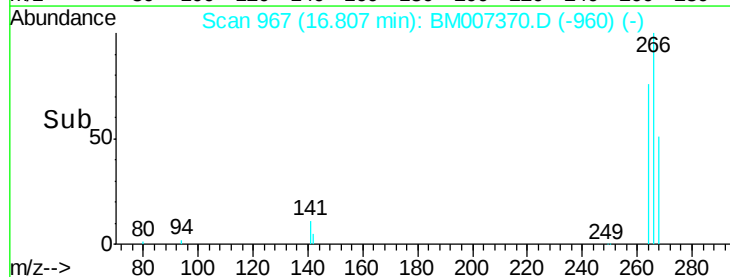
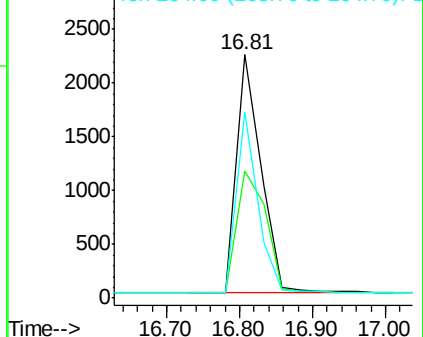


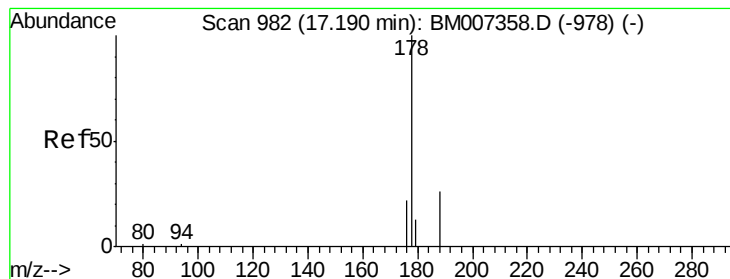
#22  
Pentachlorophenol  
Concen: 14.01 ng  
RT: 16.81 min Scan# 967  
Delta R.T. -0.02 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion: 266 Resp: 5079  
Ion Ratio Lower Upper  
266 100  
268 52.1 66.4 99.6#  
264 76.6 61.6 92.4



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: 7.70 ng

RT: 17.19 min Scan# 982

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

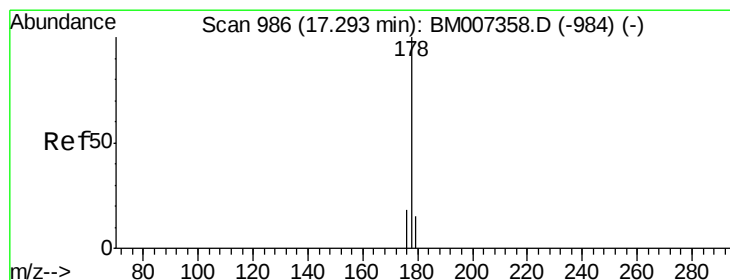
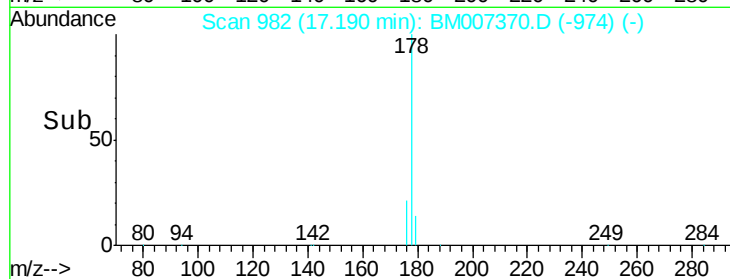
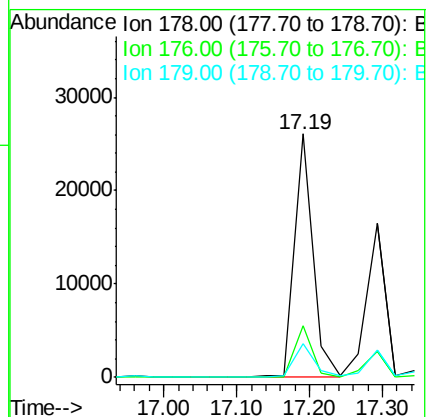
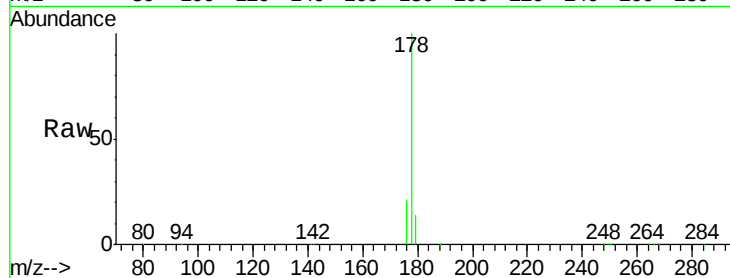
Tgt Ion:178 Resp: 45220

Ion Ratio Lower Upper

178 100

176 20.5 16.6 24.8

179 14.8 12.5 18.7



#24

Anthracene

Concen: 7.60 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.10 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

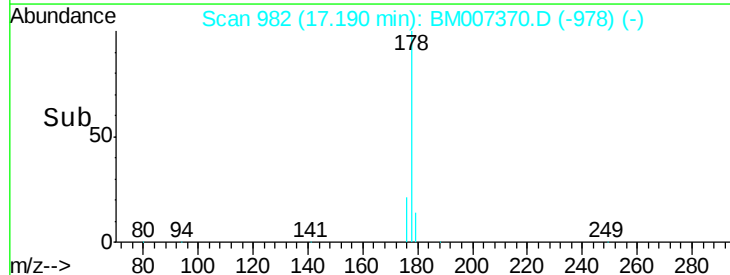
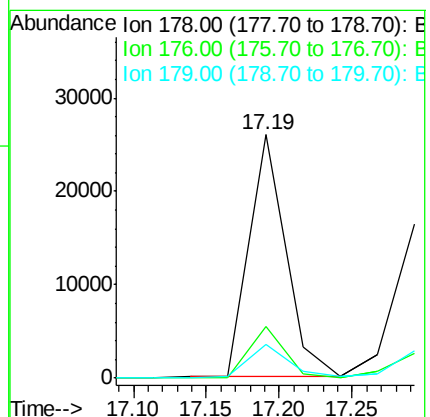
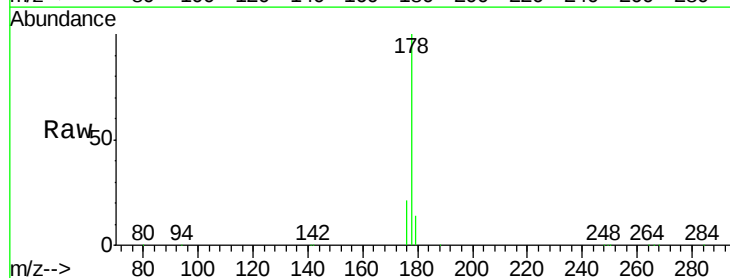
Tgt Ion:178 Resp: 44869

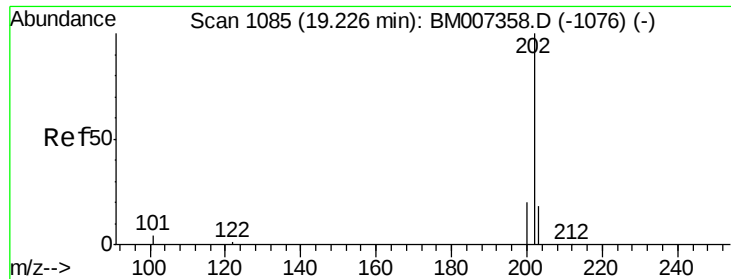
Ion Ratio Lower Upper

178 100

176 20.4 14.8 22.2

179 14.6 12.2 18.2

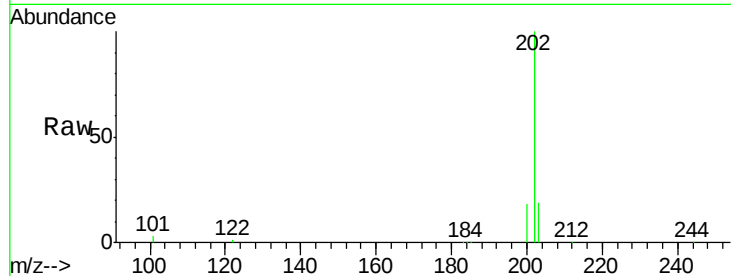




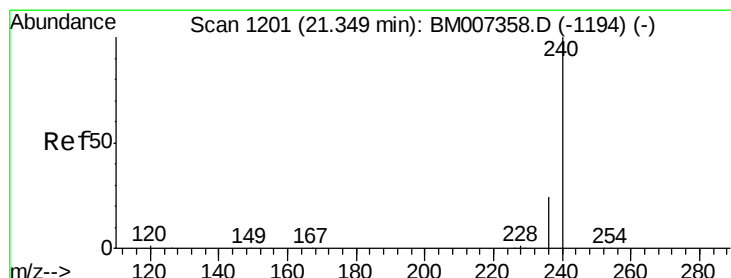
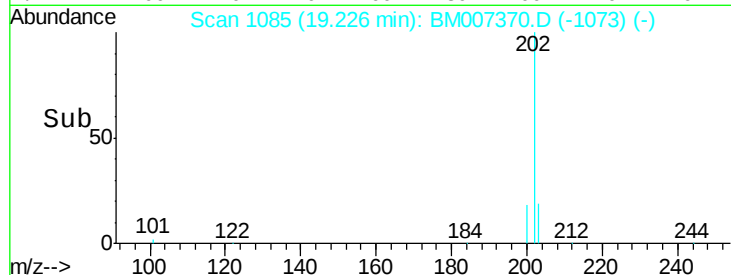
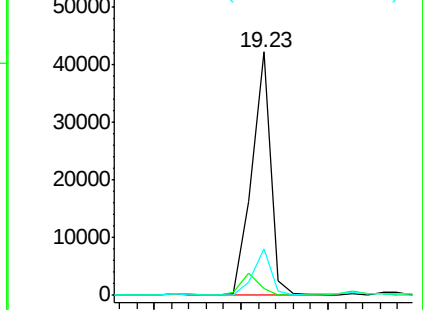
#25  
Fluoranthene  
Concen: 9.07 ng  
RT: 19.23 min Scan# 1085  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

Tgt Ion: 202 Resp: 62695  
Ion Ratio Lower Upper  
202 100  
101 8.7 6.5 9.7  
203 17.6 14.2 21.2

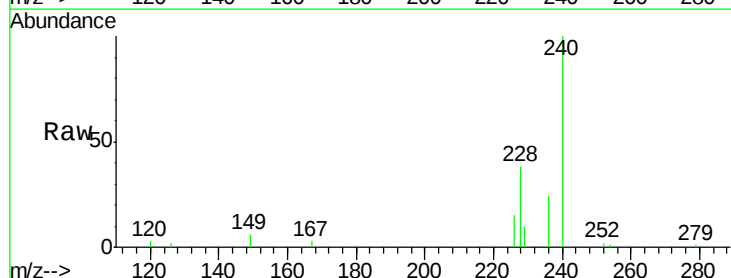


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

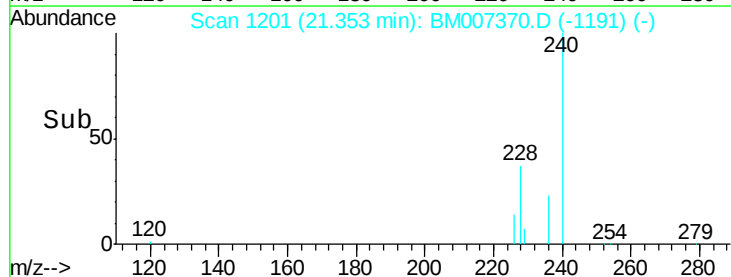
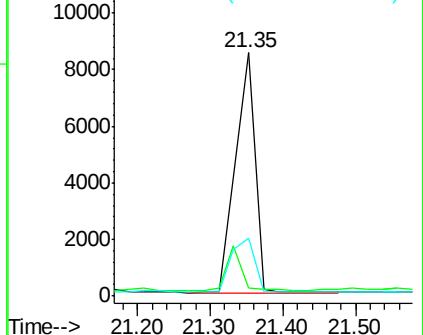


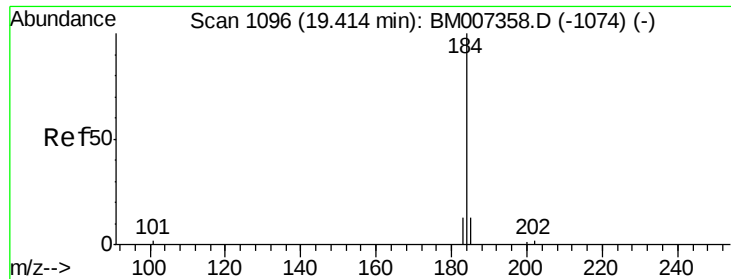
#26  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.35 min Scan# 1201  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion: 240 Resp: 15706  
Ion Ratio Lower Upper  
240 100  
120 3.2 1.3 1.9#  
236 24.1 19.1 28.7



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

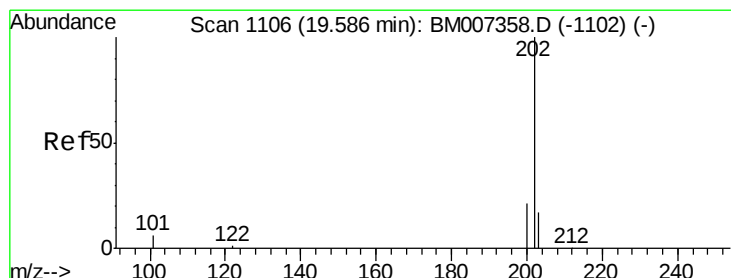
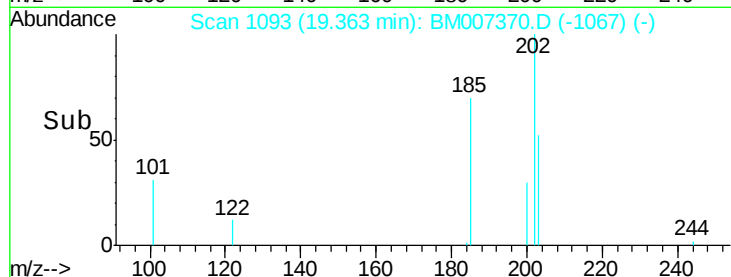
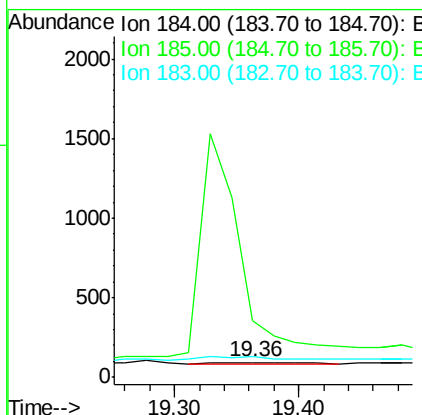
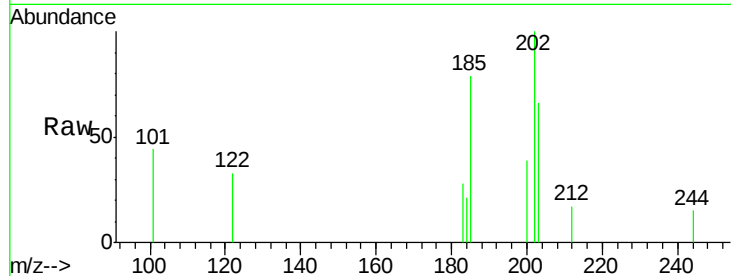




#27  
Benzidine  
Concen: 0.03 ng  
RT: 19.36 min Scan# 1093  
Delta R.T. -0.05 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

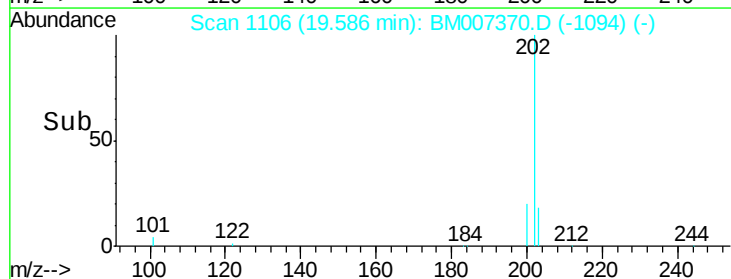
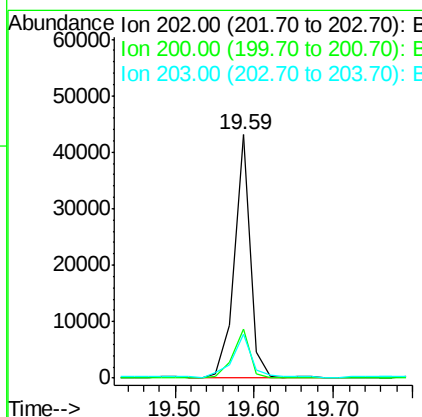
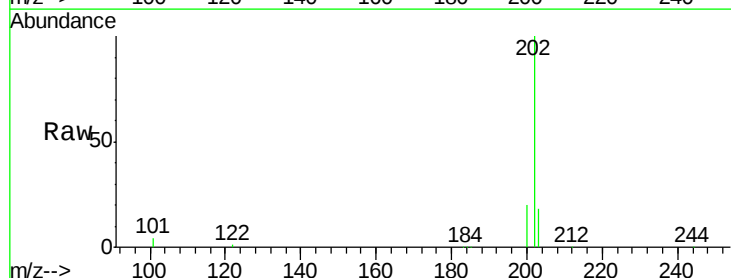
Instrument :  
BNA\_M  
ClientSampleId :  
NC-TS-003MSD

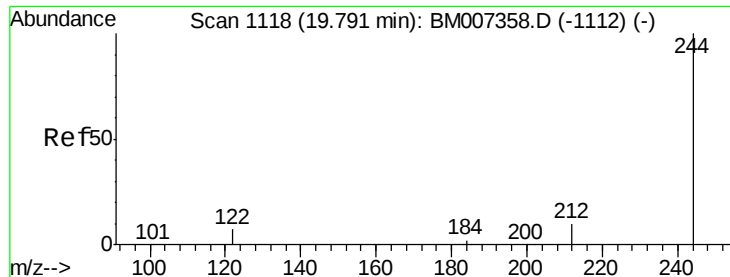
Tgt Ion:184 Resp: 33  
Ion Ratio Lower Upper  
184 100  
185 381.9 29.8 44.8#  
183 137.2 29.8 44.8#



#28  
Pyrene  
Concen: 13.27 ng  
RT: 19.59 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: BM007370.D  
Acq: 02 Sep 2016 16:12

Tgt Ion:202 Resp: 59394  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.6 25.0  
203 21.2 13.8 20.8#





#29

Terphenyl-d14

Concen: 5.02 ng

RT: 19.79 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

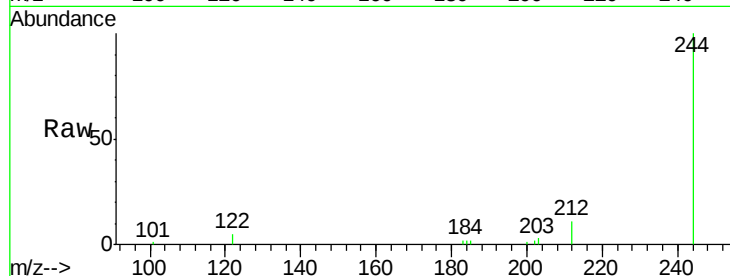
Tgt Ion:244 Resp: 10579

Ion Ratio Lower Upper

244 100

212 10.7 12.2 18.4#

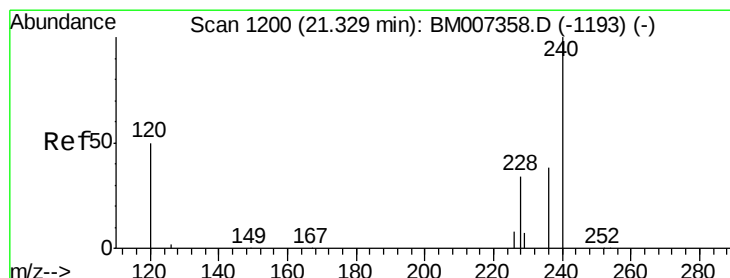
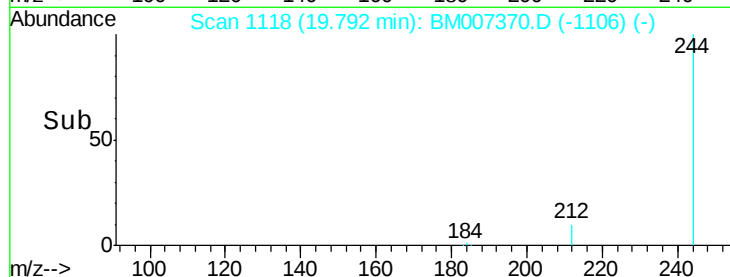
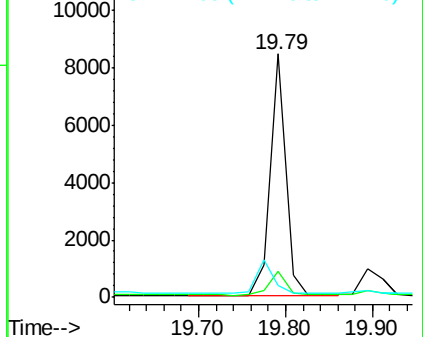
122 4.7 9.6 14.4#



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: 7.79 ng

RT: 21.33 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

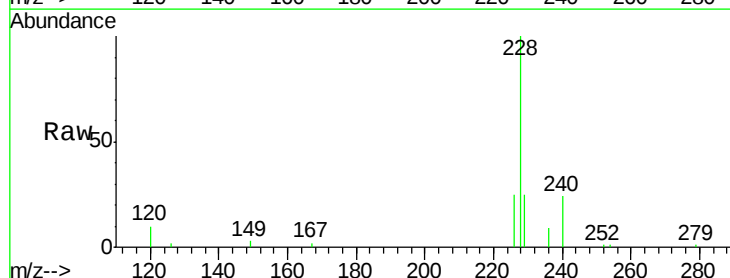
Tgt Ion:228 Resp: 35366

Ion Ratio Lower Upper

228 100

226 24.7 20.4 30.6

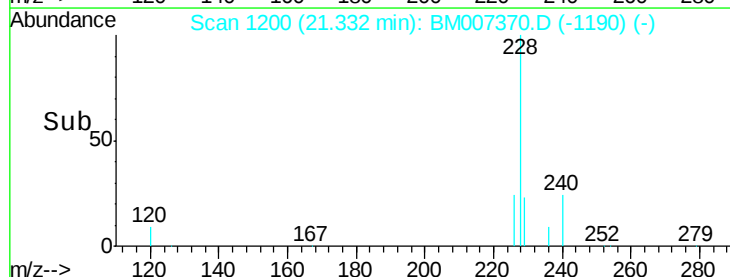
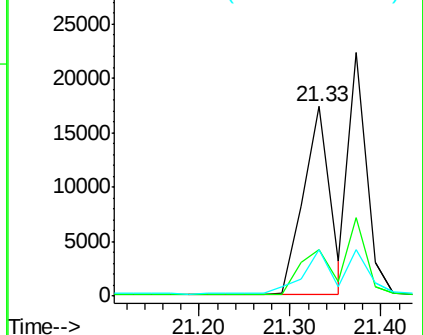
229 24.6 19.0 28.4

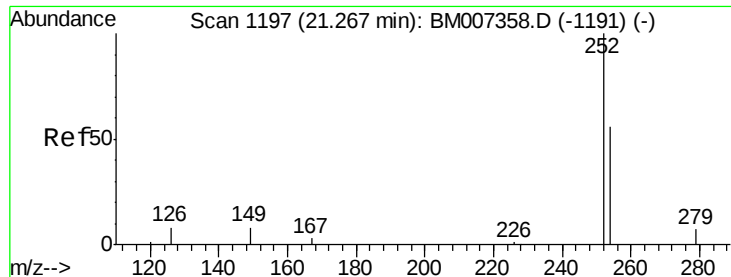


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

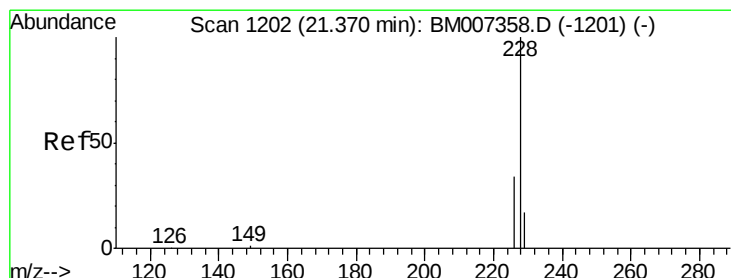
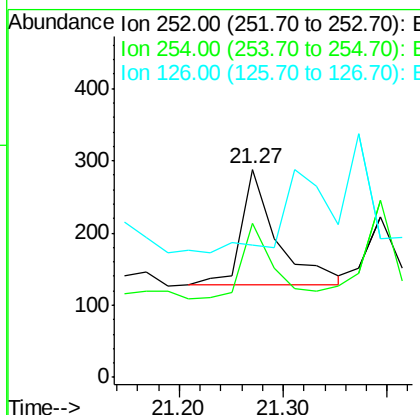
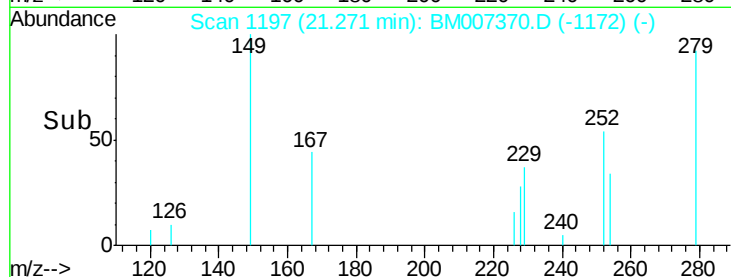
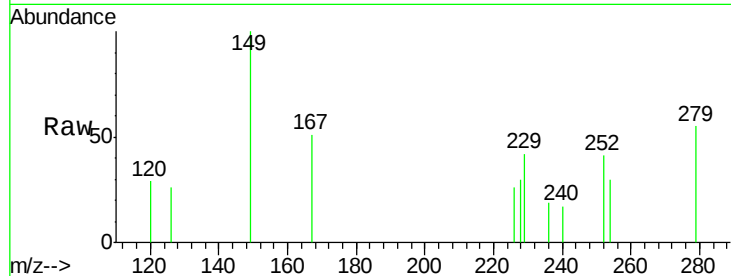




#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.31 ng  
 RT: 21.27 min Scan# 1197  
 Delta R.T. 0.00 min  
 Lab File: BM007370.D  
 Acq: 02 Sep 2016 16:12

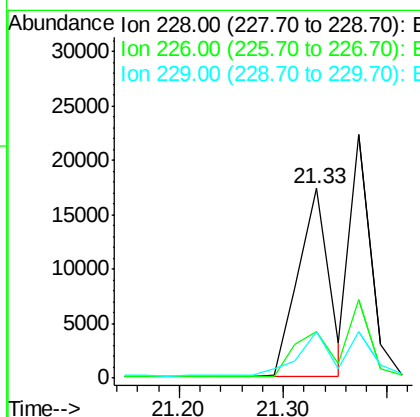
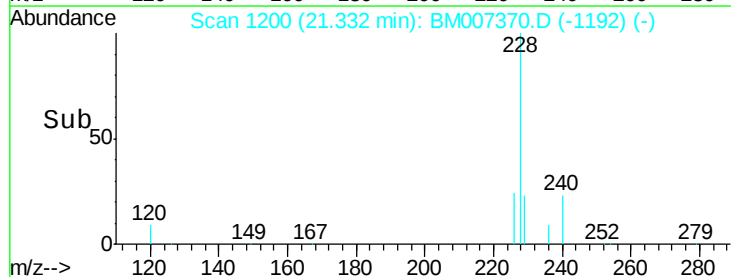
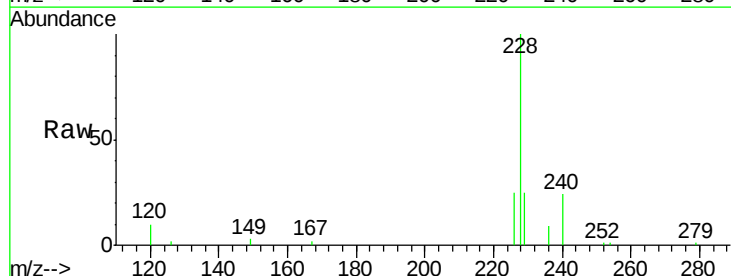
Instrument :  
 BNA\_M  
 ClientSampleId :  
 NC-TS-003MSD

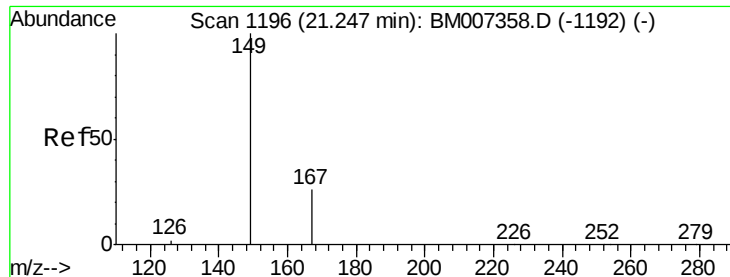
Tgt Ion: 252 Resp: 386  
 Ion Ratio Lower Upper  
 252 100  
 254 74.3 49.4 74.0#  
 126 63.5 16.3 24.5#



#32  
 Chrysene  
 Concen: 7.97 ng  
 RT: 21.33 min Scan# 1200  
 Delta R.T. -0.04 min  
 Lab File: BM007370.D  
 Acq: 02 Sep 2016 16:12

Tgt Ion: 228 Resp: 35226  
 Ion Ratio Lower Upper  
 228 100  
 226 24.7 28.3 42.5#  
 229 24.6 15.7 23.5#





#33

Bis(2-ethylhexyl)phthalate

Concen: 9.36 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

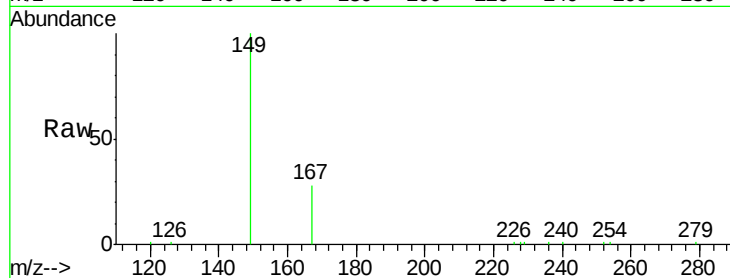
Tgt Ion:149 Resp: 22159

Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.4

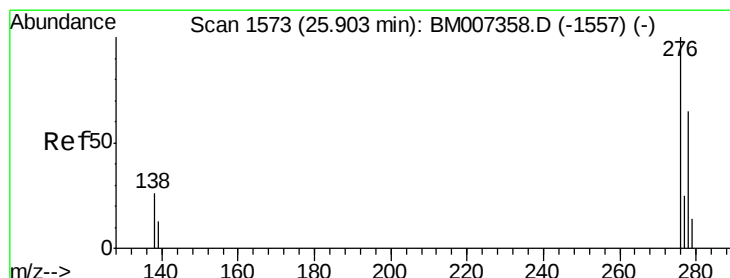
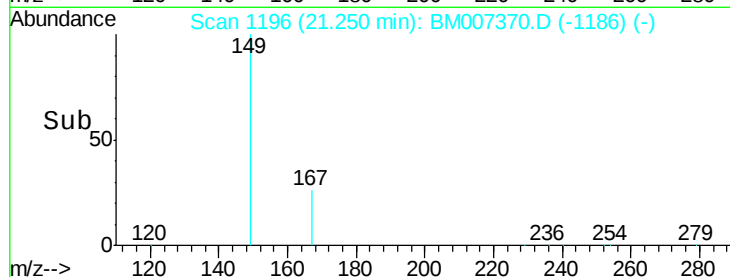
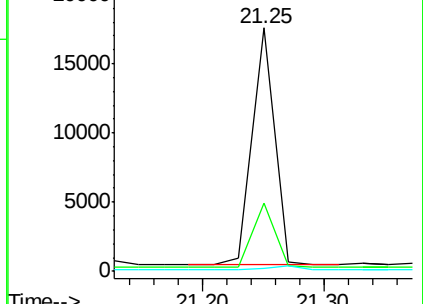
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 6.03 ng

RT: 25.90 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

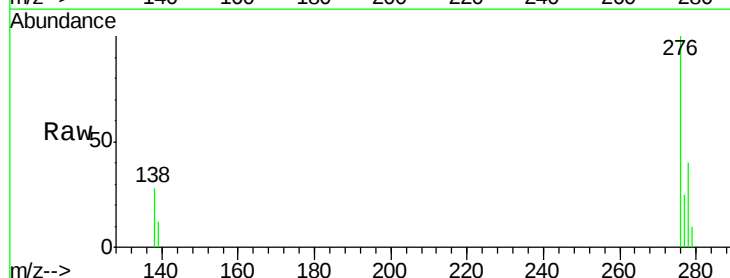
Tgt Ion:276 Resp: 23430

Ion Ratio Lower Upper

276 100

138 25.8 21.0 31.4

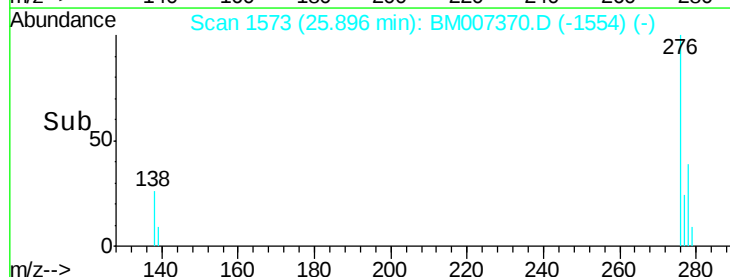
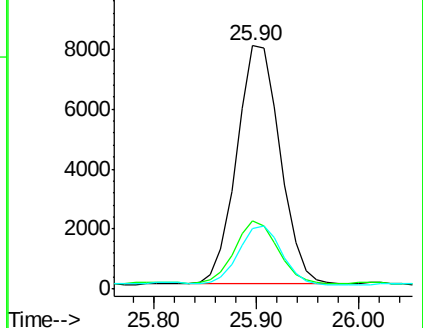
277 24.5 19.7 29.5

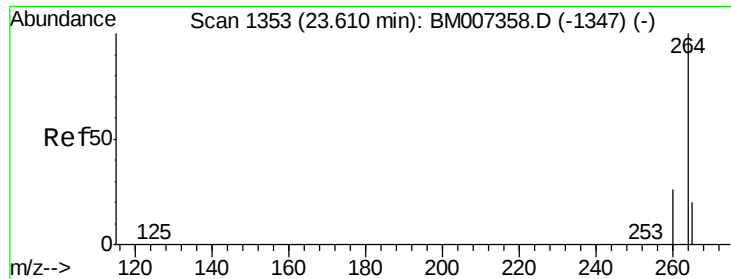


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

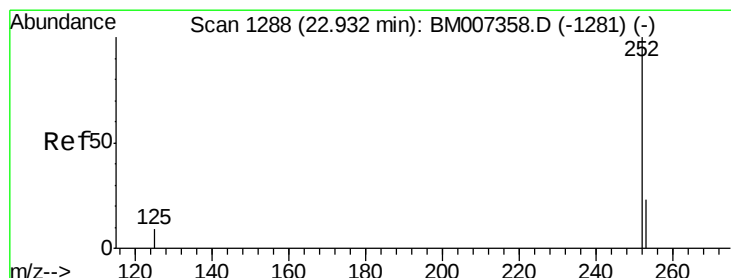
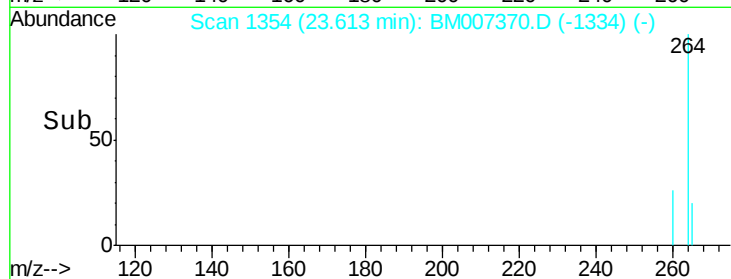
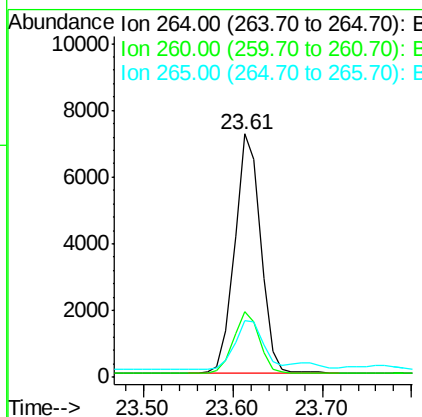
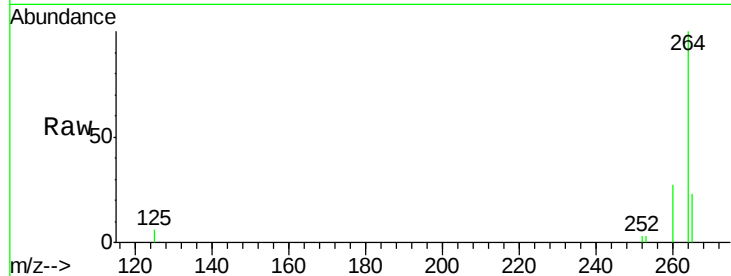




#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.61 min Scan# 1354  
 Delta R.T. 0.00 min  
 Lab File: BM007370.D  
 Acq: 02 Sep 2016 16:12

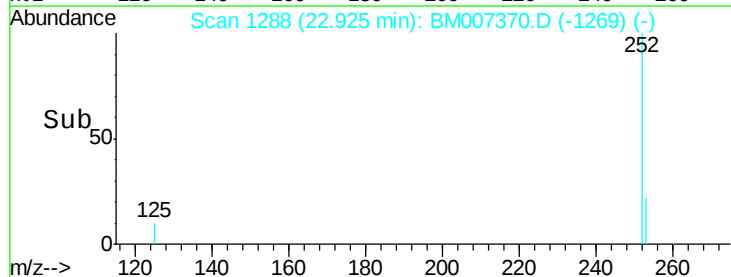
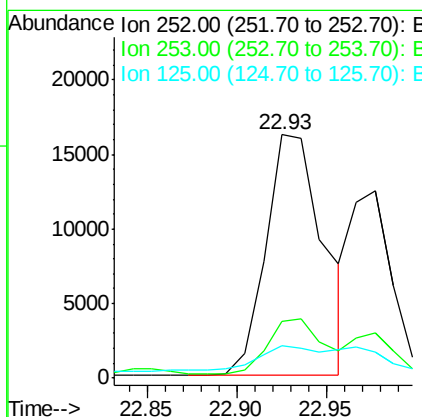
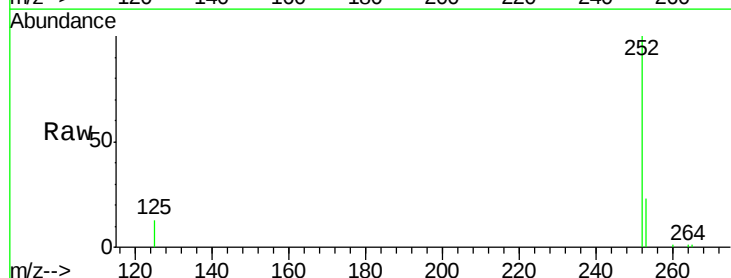
Instrument :  
 BNA\_M  
 ClientSampleId :  
 NC-TS-003MSD

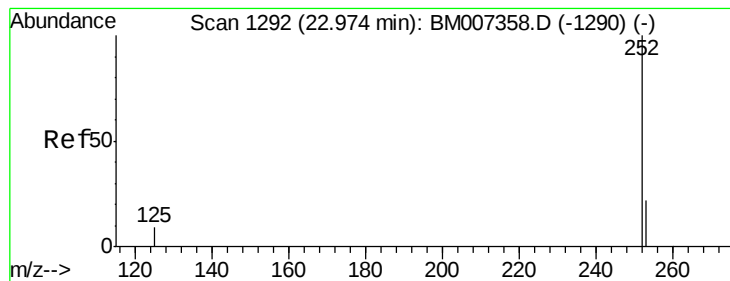
Tgt Ion: 264 Resp: 14363  
 Ion Ratio Lower Upper  
 264 100  
 260 27.2 21.2 31.8  
 265 23.3 17.1 25.7



#36  
 Benzo(b)fluoranthene  
 Concen: 8.10 ng  
 RT: 22.93 min Scan# 1288  
 Delta R.T. -0.01 min  
 Lab File: BM007370.D  
 Acq: 02 Sep 2016 16:12

Tgt Ion: 252 Resp: 36255  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 21.4 32.2  
 125 13.2 10.5 15.7





#37

Benzo(k)fluoranthene

Concen: 4.76 ng

RT: 22.98 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

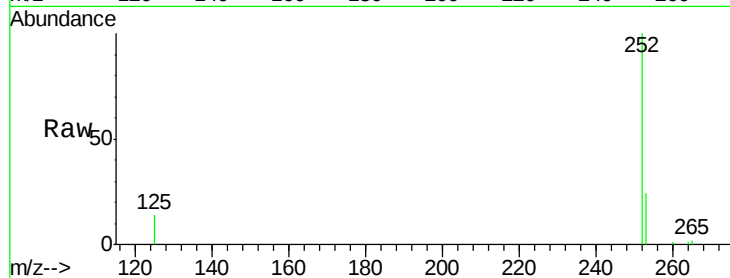
Tgt Ion:252 Resp: 19659

Ion Ratio Lower Upper

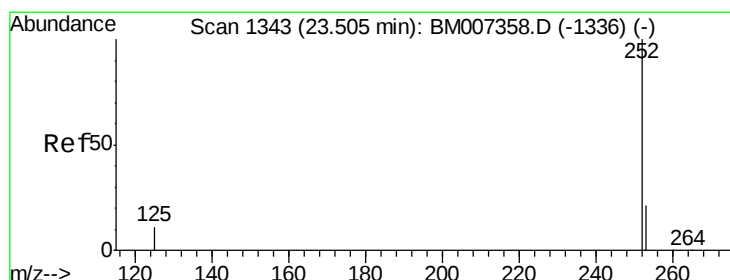
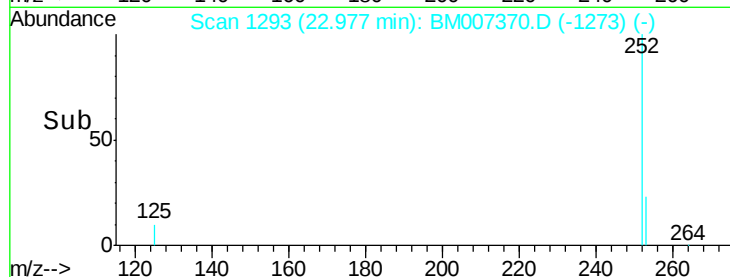
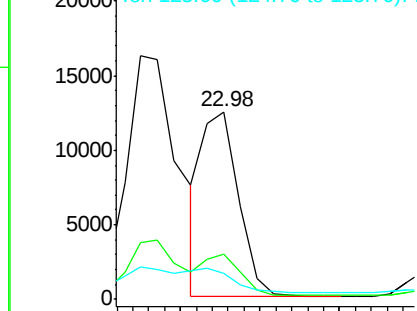
252 100

253 24.3 20.6 30.8

125 14.1 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 6.95 ng

RT: 23.51 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

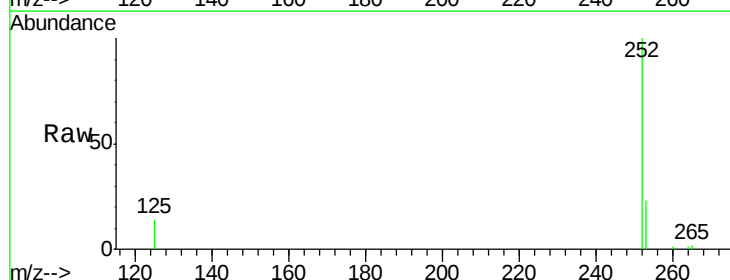
Tgt Ion:252 Resp: 27628

Ion Ratio Lower Upper

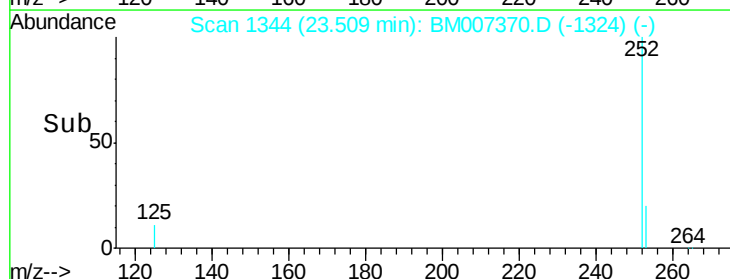
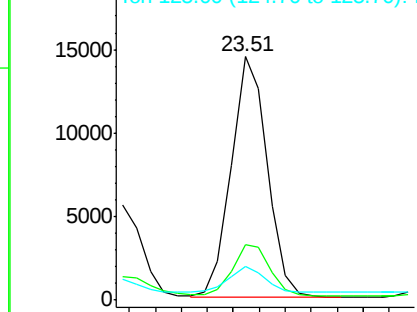
252 100

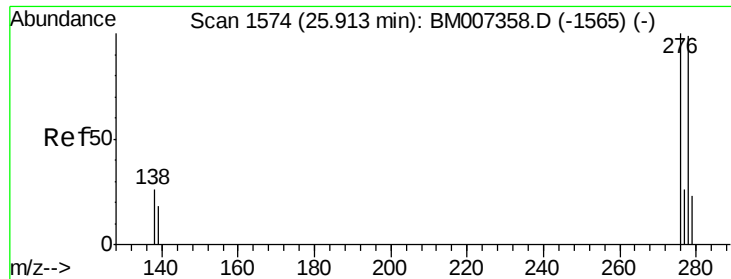
253 22.7 20.6 31.0

125 13.7 13.0 19.4



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.36 ng

RT: 25.92 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

Instrument :

BNA\_M

ClientSampleId :

NC-TS-003MSD

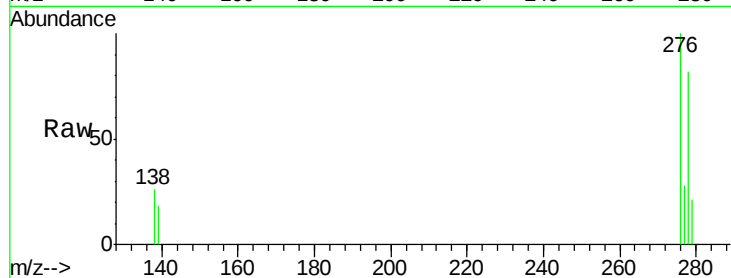
Tgt Ion: 278 Resp: 14069

Ion Ratio Lower Upper

278 100

139 22.3 20.4 30.6

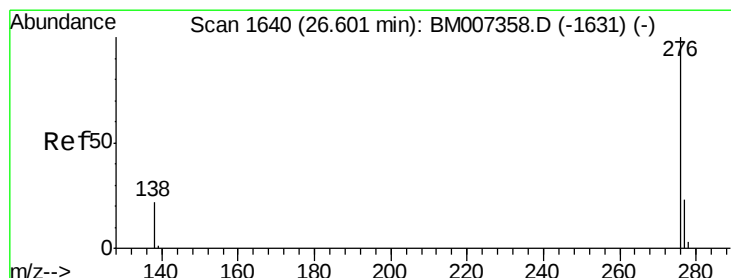
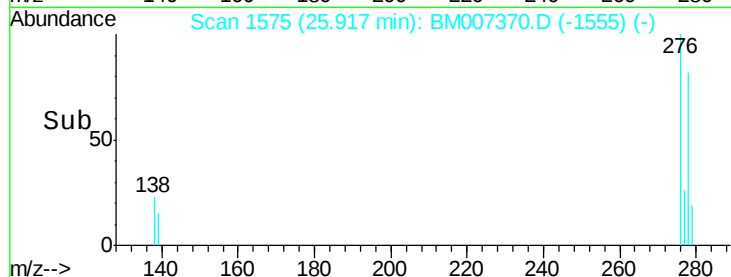
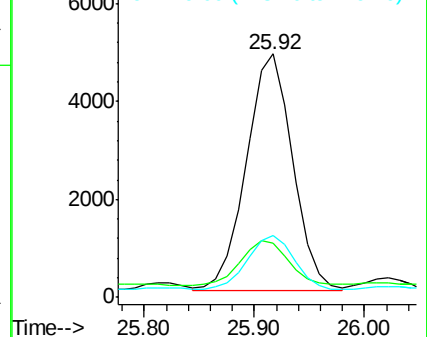
279 25.5 24.2 36.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 6.39 ng

RT: 26.61 min Scan# 1641

Delta R.T. 0.00 min

Lab File: BM007370.D

Acq: 02 Sep 2016 16:12

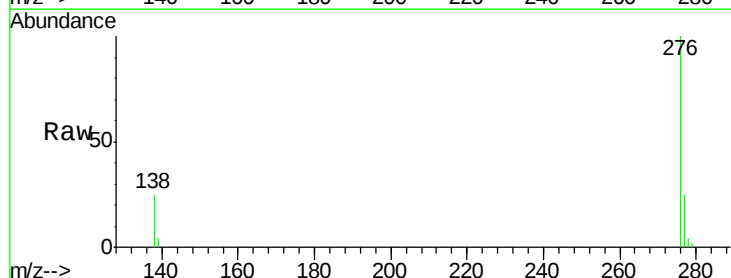
Tgt Ion: 276 Resp: 21373

Ion Ratio Lower Upper

276 100

277 24.7 24.2 36.2

138 25.5 23.1 34.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

