

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022816\  
 Data File : BM004458.D  
 Acq On : 28 Feb 2016 19:43  
 Operator : SJ/UM  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC005

Quant Time: Feb 29 03:18:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM022816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 29 02:56:57 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 13734    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 48412    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.25 | 164  | 31892    | 5.00 | ng    | 0.00     |
| 15) Phenanthrene-d10      | 17.03 | 188  | 40553    | 5.00 | ng    | 0.00     |
| 19) Chrysene-d12          | 21.24 | 240  | 59731    | 5.00 | ng    | 0.00     |
| 28) Perylene-d12          | 23.47 | 264  | 45654    | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 14832 | 5.17 | ng | 0.00  |
| 5) Phenol-d6                | 6.80  | 99  | 19601 | 5.74 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.76  | 82  | 14080 | 6.48 | ng | -0.02 |
| 13) 2,4,6-Tribromophenol    | 15.78 | 330 | 7812  | 8.22 | ng | 0.00  |
| 14) 2-Fluorobiphenyl        | 12.89 | 172 | 44312 | 4.55 | ng | 0.00  |
| 22) Terphenyl-d14           | 19.67 | 244 | 36390 | 4.75 | ng | -0.02 |

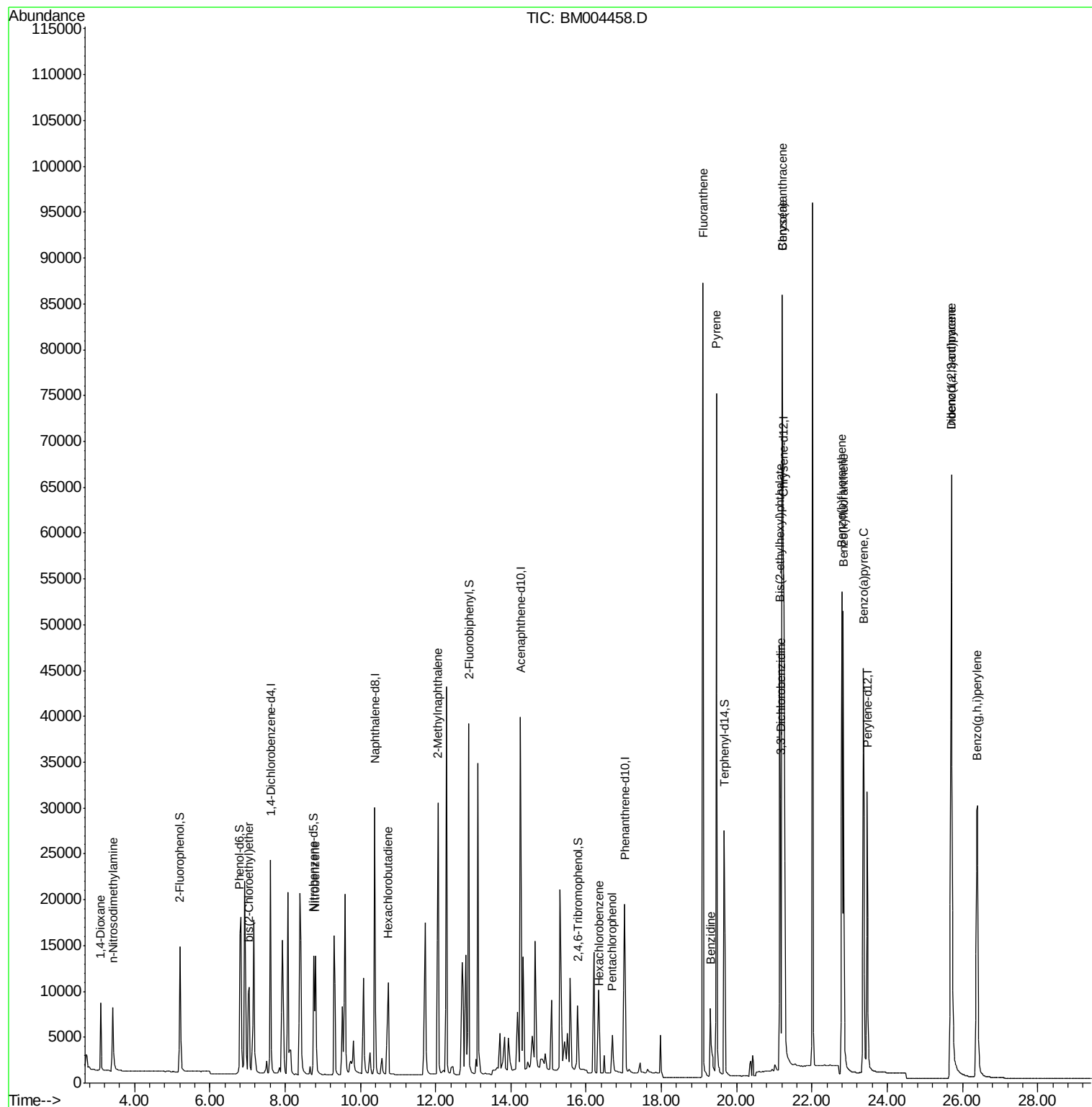
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.10  | 88  | 5666   | 3.85   | ng | 96    |
| 3) n-Nitrosodimethylamine      | 3.43  | 42  | 4703   | 3.94   | ng | # 97  |
| 6) bis(2-Chloroethyl)ether     | 7.04  | 93  | 12285  | 3.91   | ng | # 97  |
| 9) Nitrobenzene                | 8.81  | 77  | 15164  | 6.10   | ng | # 100 |
| 10) Hexachlorobutadiene        | 10.74 | 225 | 9291   | 5.27   | ng | 100   |
| 11) 2-Methylnaphthalene        | 12.07 | 142 | 33840  | 4.60   | ng | # 92  |
| 16) Hexachlorobenzene          | 16.35 | 284 | 9936   | 6.77   | ng | # 100 |
| 17) Pentachlorophenol          | 16.69 | 266 | 4718   | 12.28  | ng | # 69  |
| 18) Fluoranthene               | 19.10 | 202 | 83975  | 7.36   | ng | 100   |
| 20) Benzidine                  | 19.31 | 184 | 23091  | 8.01   | ng | # 78  |
| 21) Pyrene                     | 19.46 | 202 | 84482  | 4.96   | ng | 99    |
| 23) Benzo(a)anthracene         | 21.22 | 228 | 149813 | 8.40   | ng | 98    |
| 24) 3,3'-Dichlorobenzidine     | 21.17 | 252 | 30775  | 7.11   | ng | # 91  |
| 25) Chrysene                   | 21.22 | 228 | 151640 | 9.20   | ng | # 89  |
| 26) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 47745  | 6.28   | ng | 98    |
| 27) Indeno(1,2,3-cd)pyrene     | 25.70 | 276 | 74290  | 4.31   | ng | 99    |
| 29) Benzo(b)fluoranthene       | 22.79 | 252 | 83034  | 5.74   | ng | 95    |
| 30) Benzo(k)fluoranthene       | 22.83 | 252 | 71460  | 5.54   | ng | 95    |
| 31) Benzo(a)pyrene             | 23.37 | 252 | 66851  | 5.32   | ng | 95    |
| 32) Dibenzo(a,h)anthracene     | 25.70 | 278 | 59260  | 5.28   | ng | 95    |
| 33) Benzo(g,h,i)perylene       | 26.39 | 276 | 63282  | 5.16   | ng | 97    |

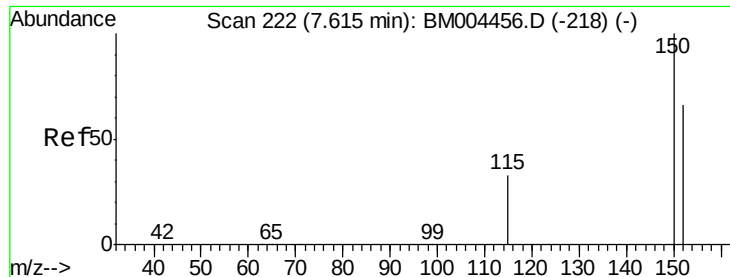
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

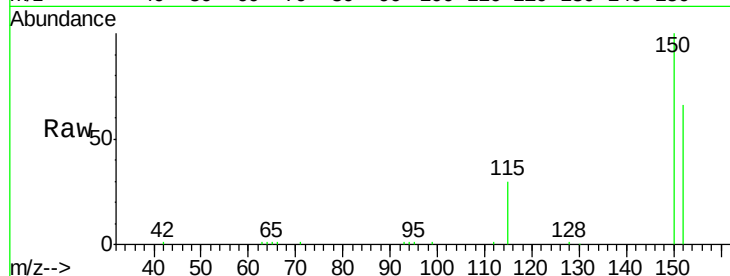
Tgt Ion:152 Resp: 13734

Ion Ratio Lower Upper

152 100

150 152.3 123.9 185.9

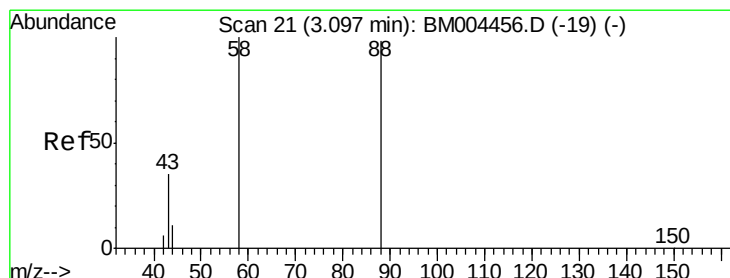
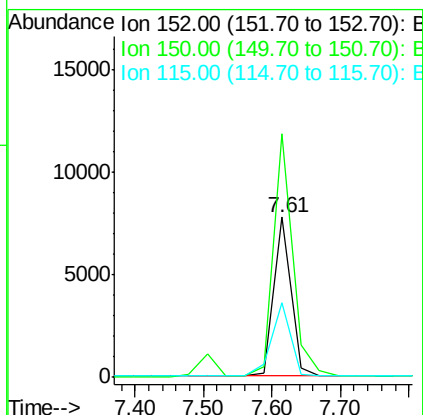
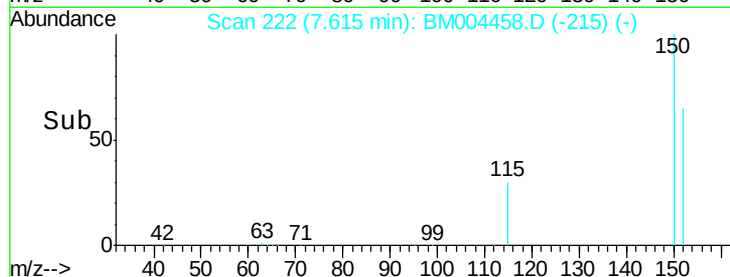
115 46.5 40.6 61.0



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: 3.85 ng

RT: 3.10 min Scan# 21

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

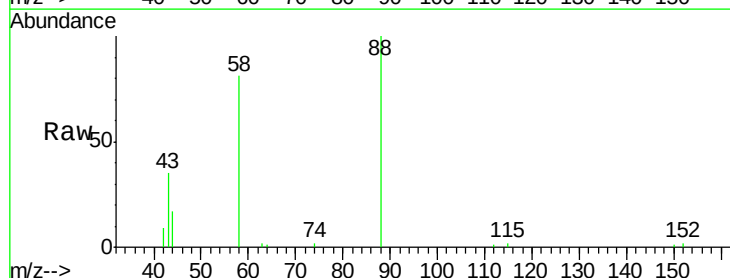
Tgt Ion: 88 Resp: 5666

Ion Ratio Lower Upper

88 100

58 70.4 58.5 87.7

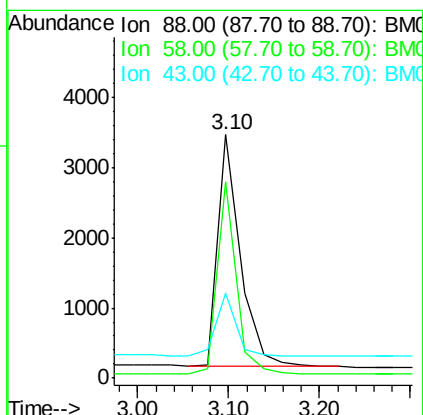
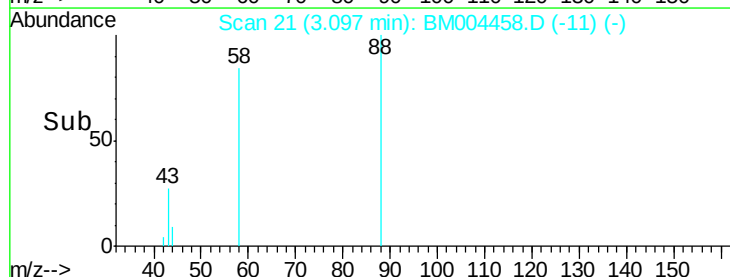
43 25.3 22.2 33.2

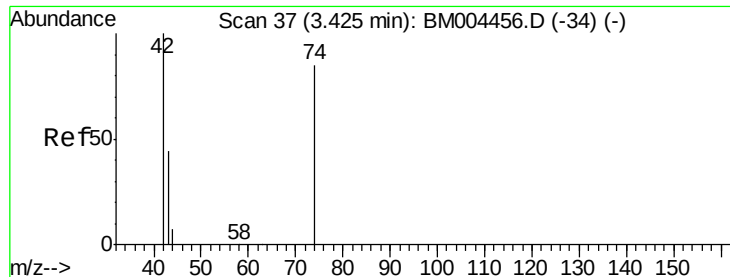


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.94 ng

RT: 3.43 min Scan# 37

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDICC005

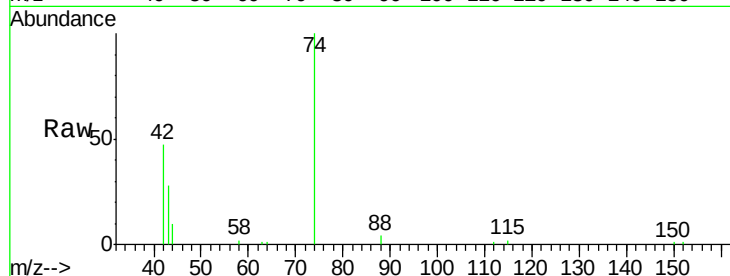
Tgt Ion: 42 Resp: 4703

Ion Ratio Lower Upper

42 100

74 165.7 0.0 0.0#

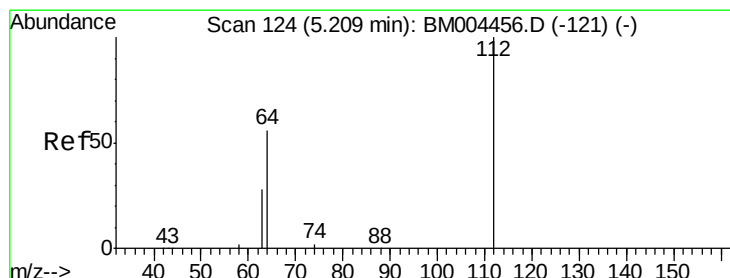
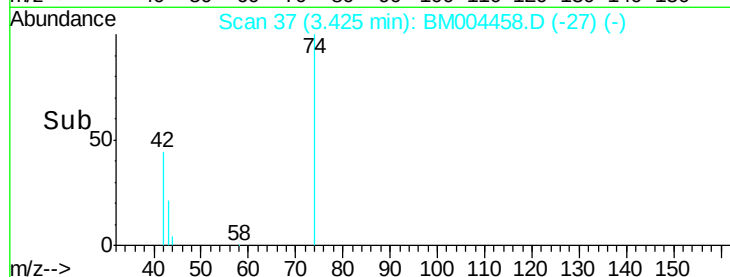
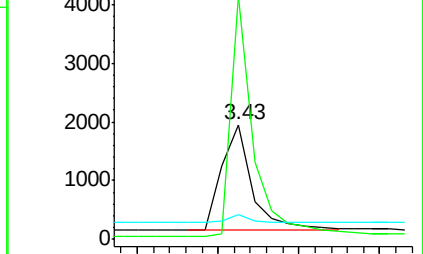
44 6.3 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM004456.D (-34) (-)

Ion 74.00 (73.70 to 74.70): BM004456.D (-34) (-)

Ion 44.00 (43.70 to 44.70): BM004456.D (-34) (-)



#4

2-Fluorophenol

Concen: 5.17 ng

RT: 5.21 min Scan# 124

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

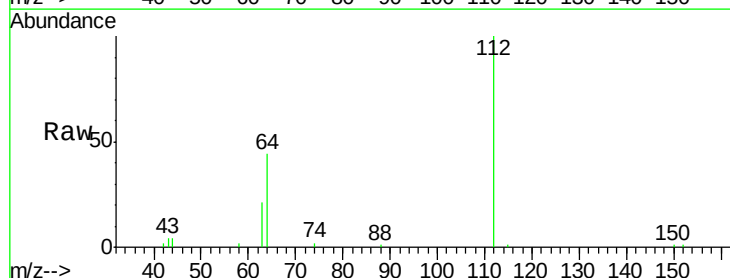
Tgt Ion: 112 Resp: 14832

Ion Ratio Lower Upper

112 100

64 47.2 39.4 59.2

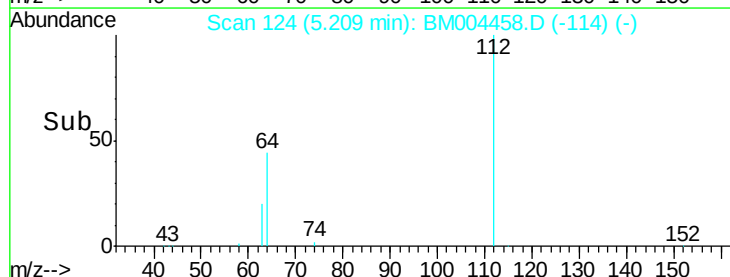
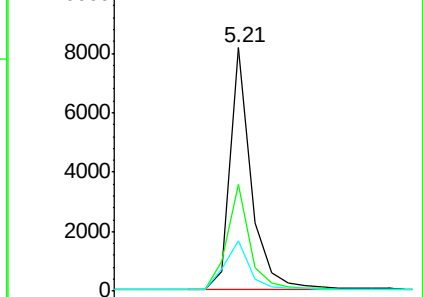
63 23.9 19.9 29.9

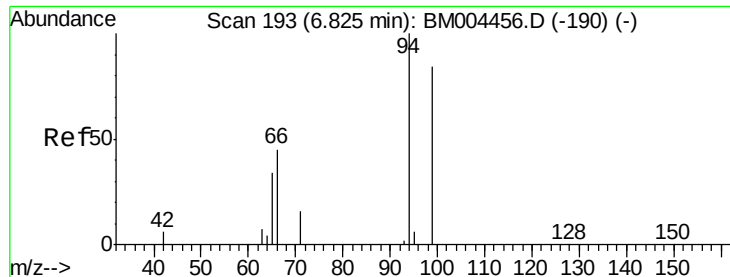


Abundance Ion 112.00 (111.70 to 112.70): BM004456.D (-121) (-)

Ion 64.00 (63.70 to 64.70): BM004456.D (-121) (-)

Ion 63.00 (62.70 to 63.70): BM004456.D (-121) (-)





#5

Phenol-d6

Concen: 5.74 ng

RT: 6.80 min Scan# 192

Delta R.T. -0.03 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

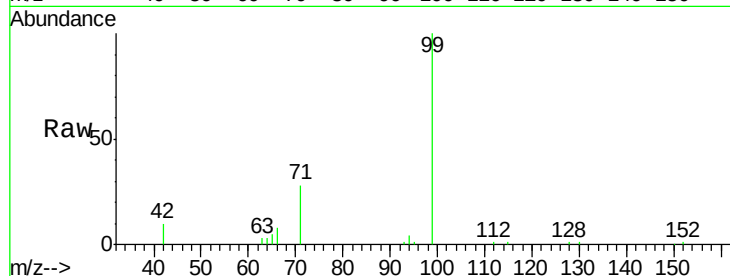
Tgt Ion: 99 Resp: 19601

Ion Ratio Lower Upper

99 100

42 12.4 0.0 0.0#

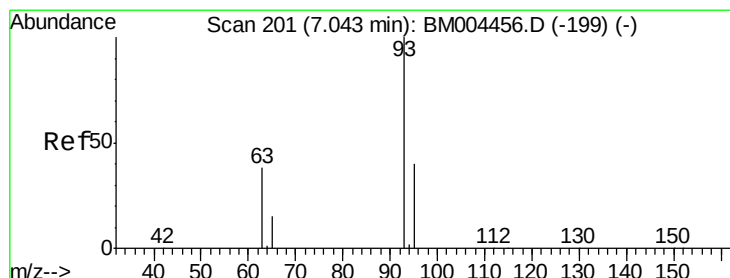
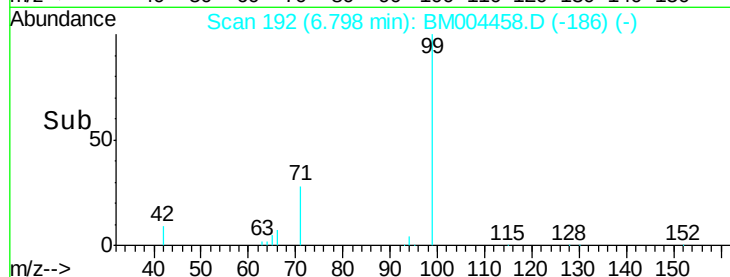
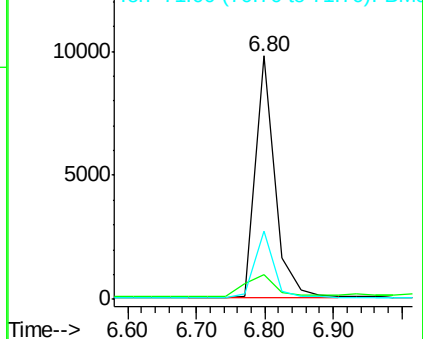
71 27.2 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BM004456.D (-190) (-)

Ion 42.00 (41.70 to 42.70): BM004456.D (-190) (-)

Ion 71.00 (70.70 to 71.70): BM004456.D (-190) (-)



#6

bis(2-Chloroethyl)ether

Concen: 3.91 ng

RT: 7.04 min Scan# 201

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

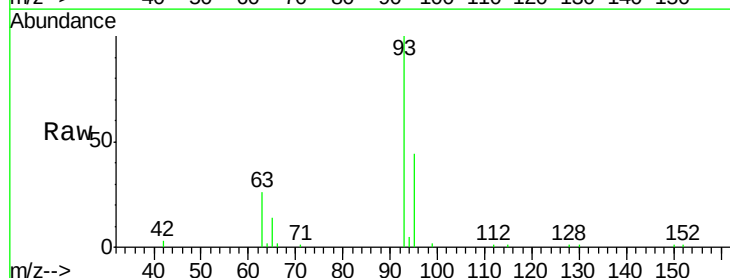
Tgt Ion: 93 Resp: 12285

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

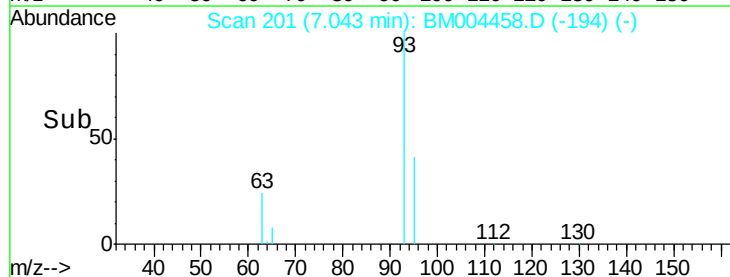
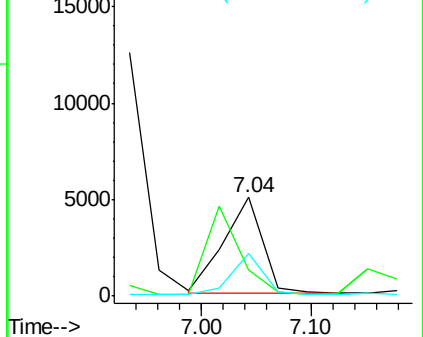
95 35.6 27.1 40.7

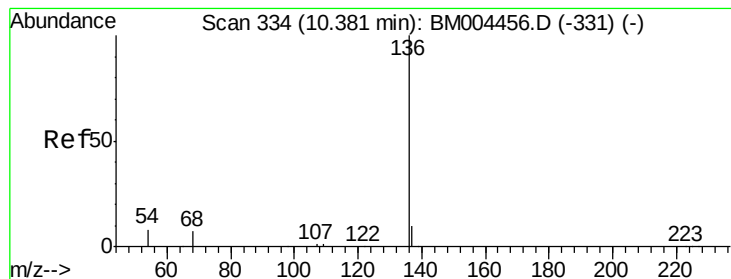


Abundance Ion 93.00 (92.70 to 93.70): BM004456.D (-199) (-)

Ion 63.00 (62.70 to 63.70): BM004456.D (-199) (-)

Ion 95.00 (94.70 to 95.70): BM004456.D (-199) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

Tgt Ion:136 Resp: 48412

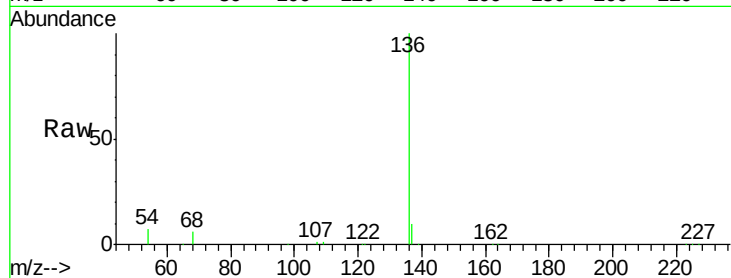
Ion Ratio Lower Upper

136 100

137 10.1 8.0 12.0

54 7.3 7.0 10.6

68 6.2 5.8 8.6

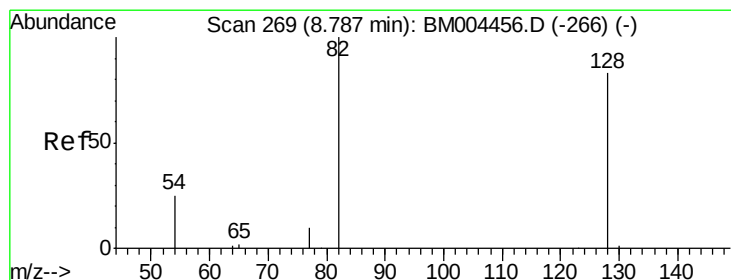
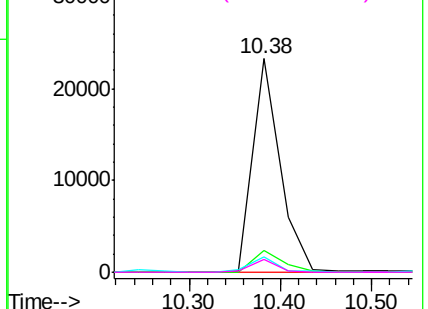
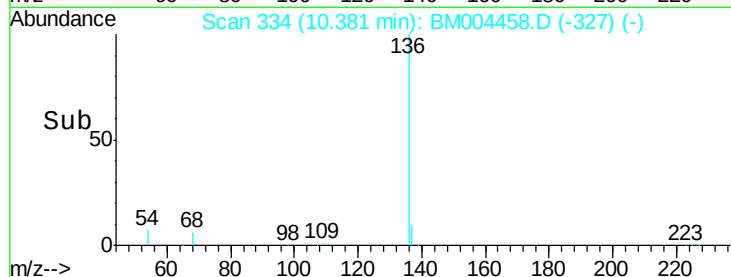


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.48 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

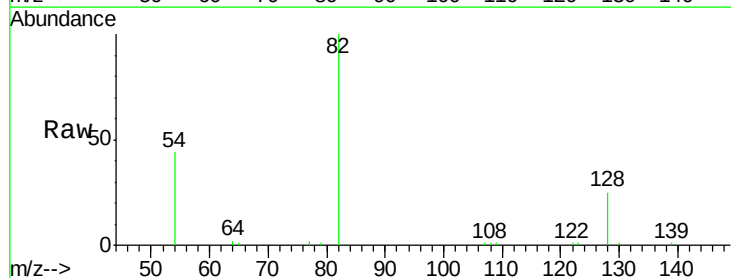
Tgt Ion: 82 Resp: 14080

Ion Ratio Lower Upper

82 100

128 25.4 67.0 100.6#

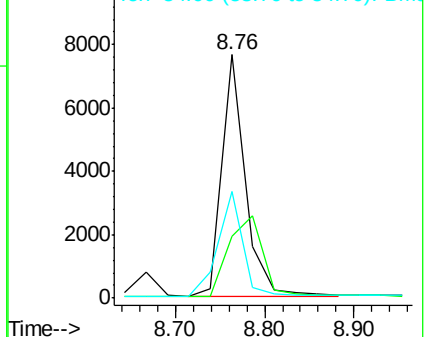
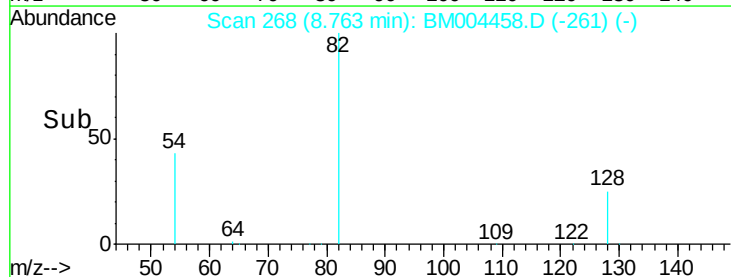
54 43.7 25.2 37.8#

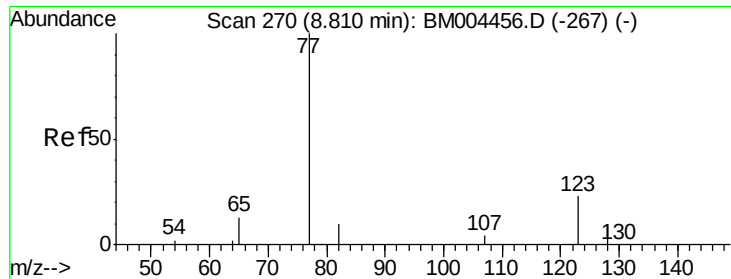


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 6.10 ng

RT: 8.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

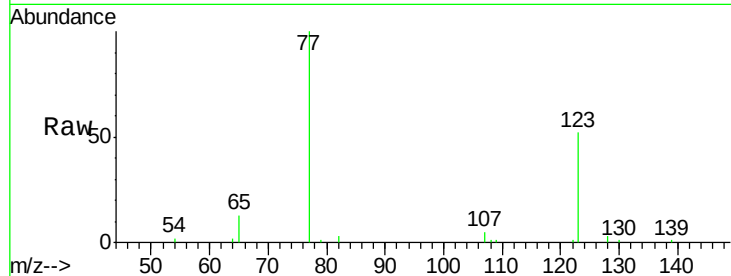
Tgt Ion: 77 Resp: 15164

Ion Ratio Lower Upper

77 100

123 55.8 0.0 0.0#

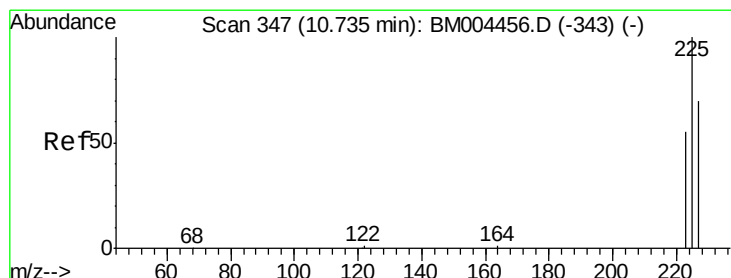
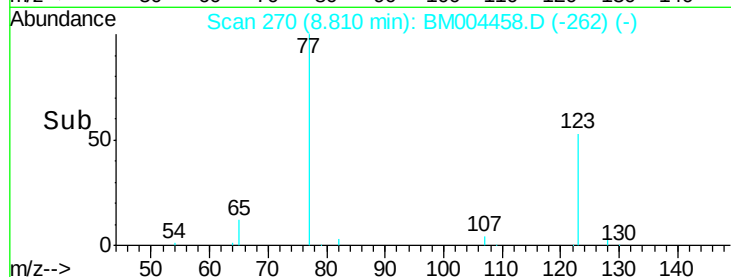
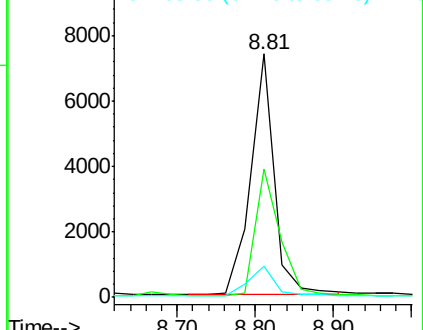
65 12.7 10.1 15.1



Abundance Ion 77.00 (76.70 to 77.70): BM004456.D (-267) (-)

Ion 123.00 (122.70 to 123.70): BM004456.D (-267) (-)

Ion 65.00 (64.70 to 65.70): BM004456.D (-267) (-)



#10

Hexachlorobutadiene

Concen: 5.27 ng

RT: 10.74 min Scan# 347

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

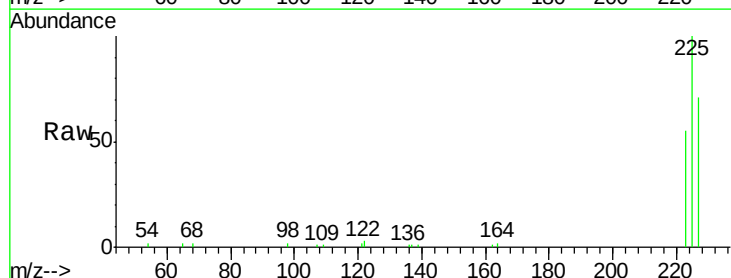
Tgt Ion: 225 Resp: 9291

Ion Ratio Lower Upper

225 100

223 60.5 48.4 72.6

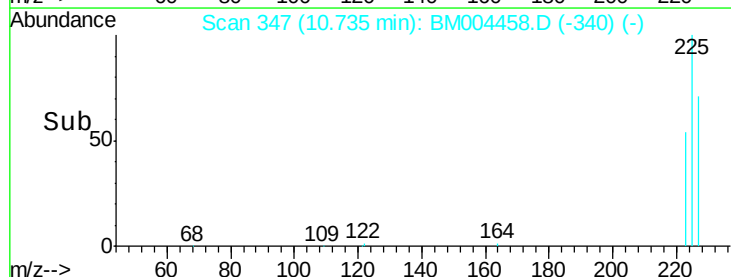
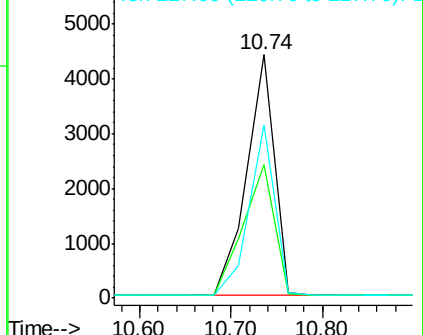
227 65.6 52.8 79.2

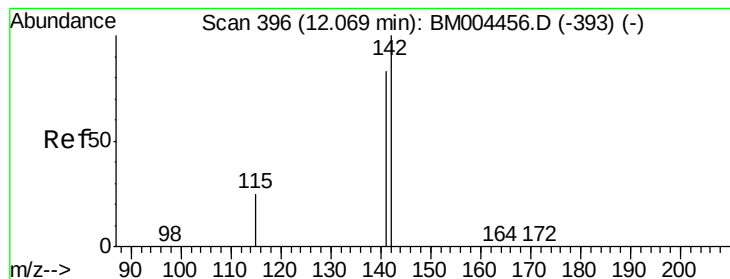


Abundance Ion 225.00 (224.70 to 225.70): BM004456.D (-343) (-)

Ion 223.00 (222.70 to 223.70): BM004456.D (-343) (-)

Ion 227.00 (226.70 to 227.70): BM004456.D (-343) (-)





#11

2-Methylnaphthalene

Concen: 4.60 ng

RT: 12.07 min Scan# 396

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

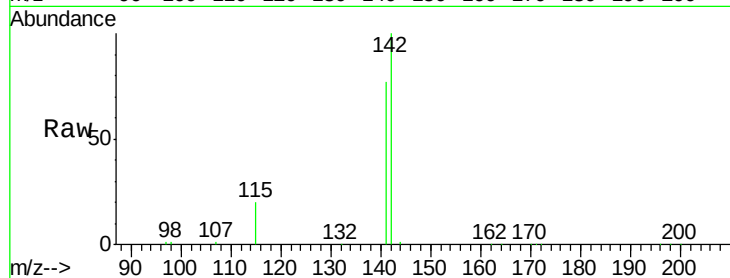
Tgt Ion:142 Resp: 33840

Ion Ratio Lower Upper

142 100

141 77.5 66.4 99.6

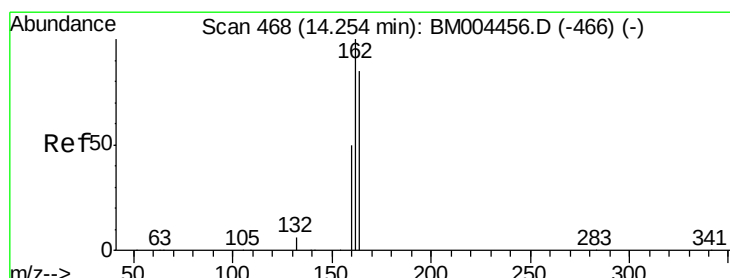
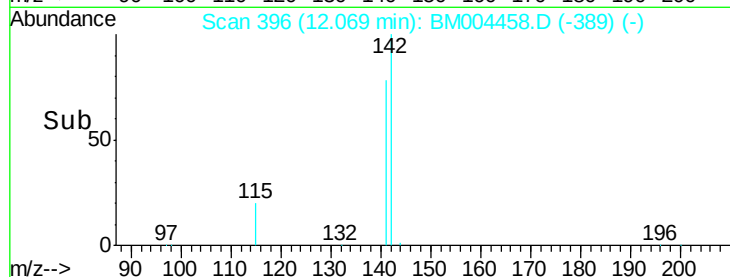
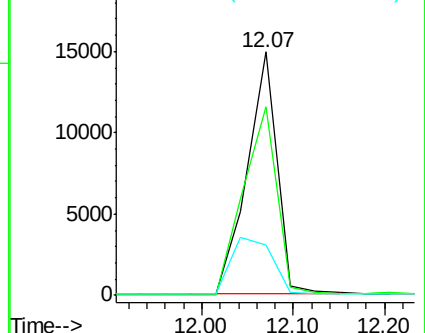
115 20.5 21.6 32.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

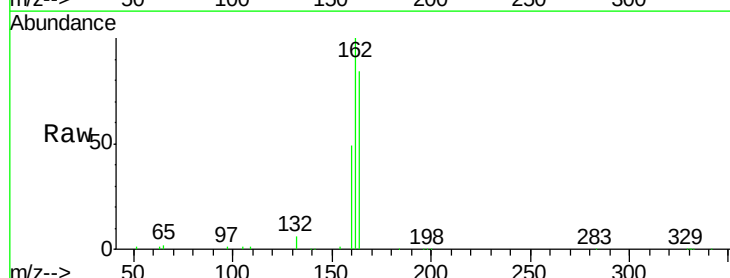
Tgt Ion:164 Resp: 31892

Ion Ratio Lower Upper

164 100

162 118.4 94.6 141.8

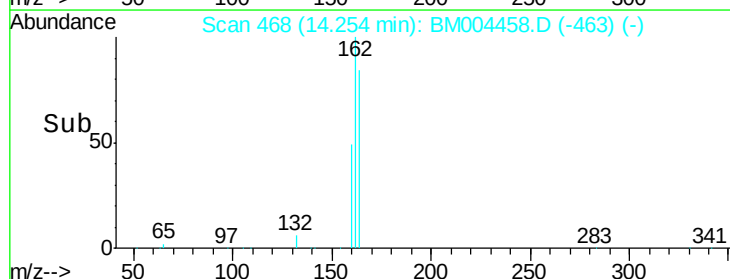
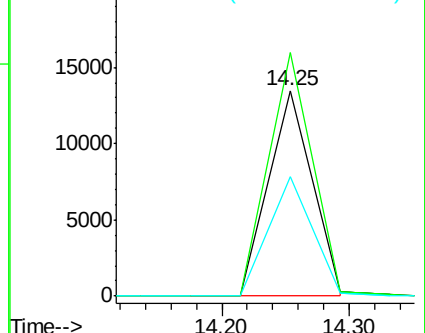
160 57.9 47.0 70.4



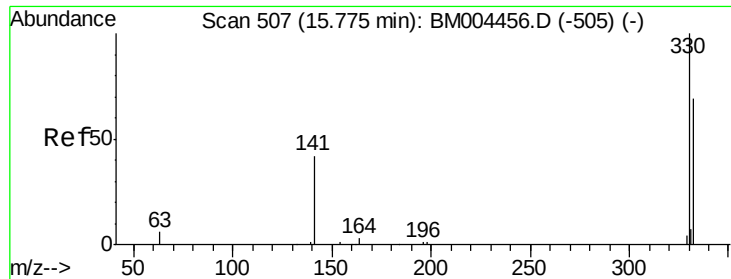
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



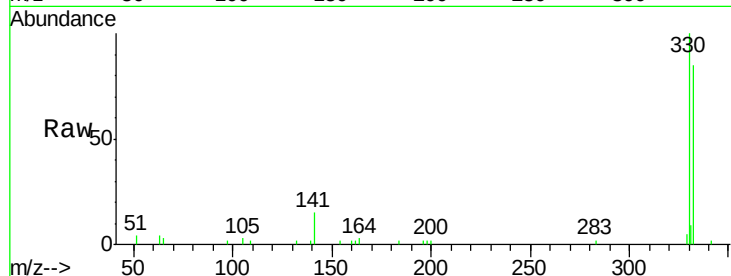




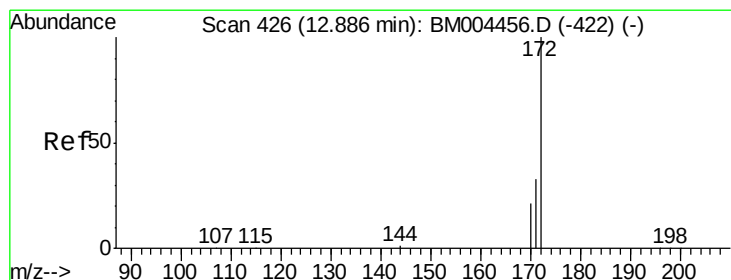
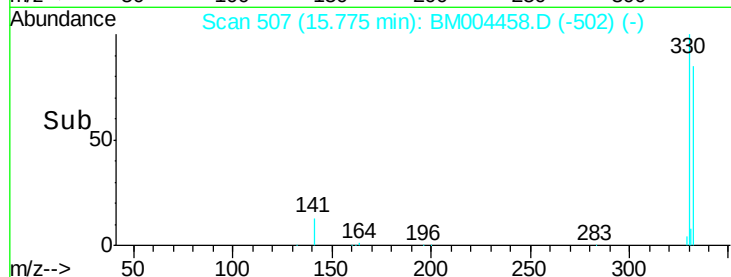
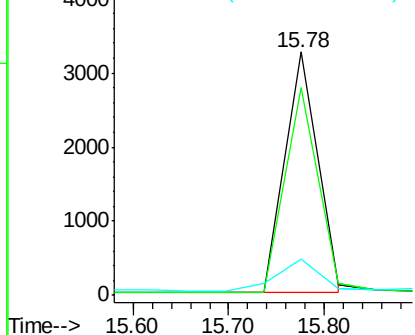
#13  
 2,4,6-Tribromophenol  
 Concen: 8.22 ng  
 RT: 15.78 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: BM004458.D  
 Acq: 28 Feb 2016 19:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC005

Tgt Ion: 330 Resp: 7812  
 Ion Ratio Lower Upper  
 330 100  
 332 85.9 59.2 88.8  
 141 16.4 33.0 49.4#

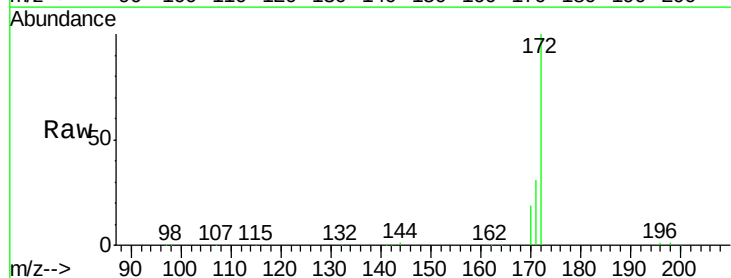


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

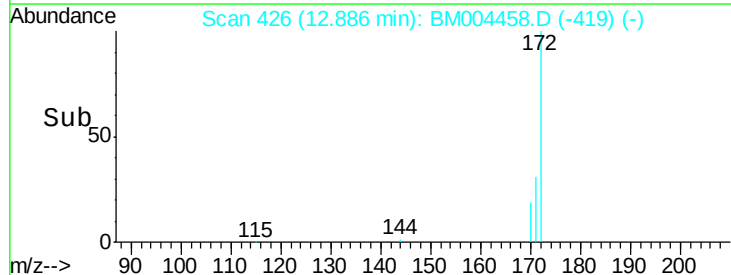
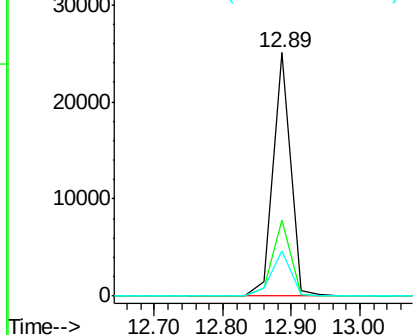


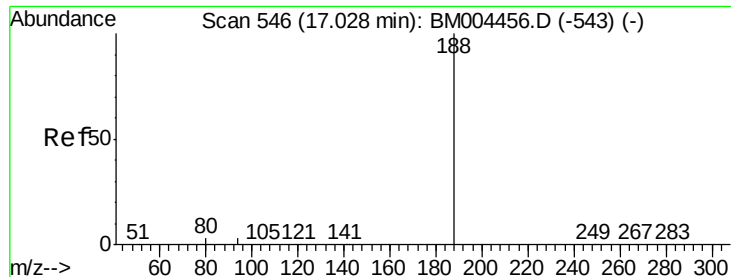
#14  
 2-Fluorobiphenyl  
 Concen: 4.55 ng  
 RT: 12.89 min Scan# 426  
 Delta R.T. 0.00 min  
 Lab File: BM004458.D  
 Acq: 28 Feb 2016 19:43

Tgt Ion: 172 Resp: 44312  
 Ion Ratio Lower Upper  
 172 100  
 171 31.4 27.2 40.8  
 170 18.8 17.4 26.0



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

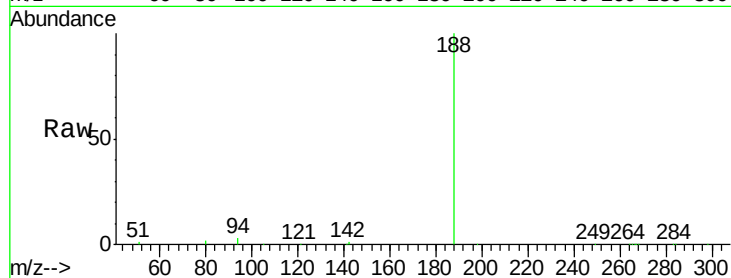




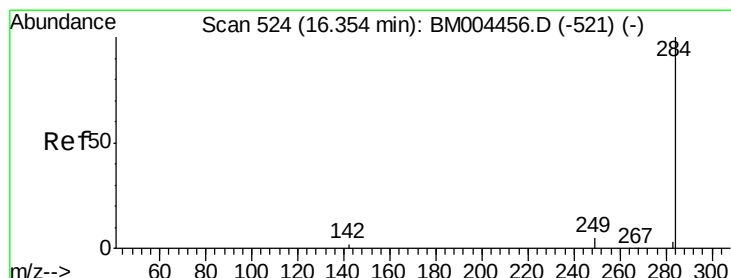
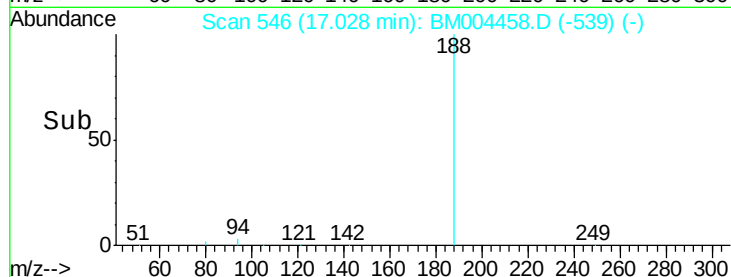
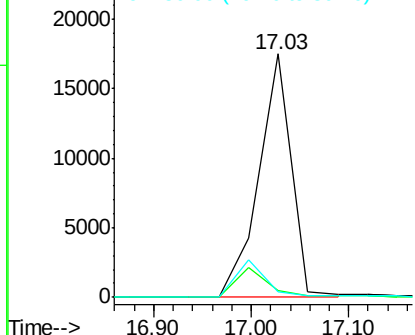
#15  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.03 min Scan# 546  
Delta R.T. 0.00 min  
Lab File: BM004458.D  
Acq: 28 Feb 2016 19:43

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC005

Tgt Ion:188 Resp: 40553  
Ion Ratio Lower Upper  
188 100  
94 2.9 2.7 4.1  
80 2.4 2.2 3.4

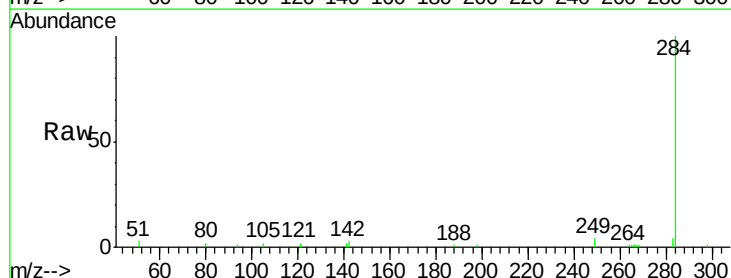


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

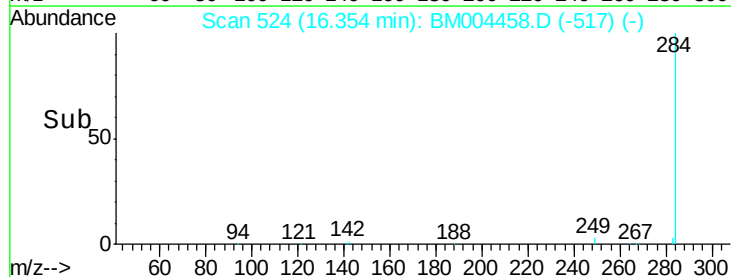
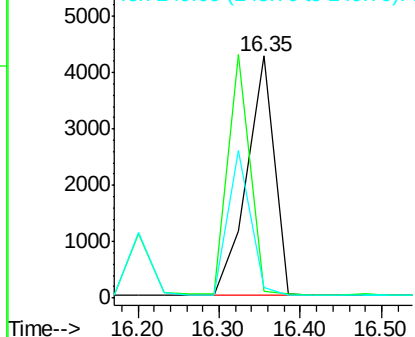


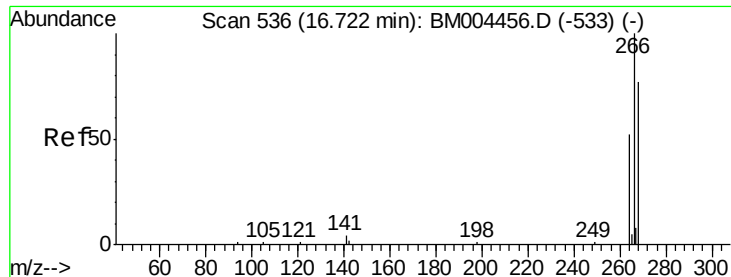
#16  
Hexachlorobenzene  
Concen: 6.77 ng  
RT: 16.35 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: BM004458.D  
Acq: 28 Feb 2016 19:43

Tgt Ion:284 Resp: 9936  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 0.0 0.0



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





#17

Pentachlorophenol

Concen: 12.28 ng

RT: 16.69 min Scan# 535

Delta R.T. -0.03 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

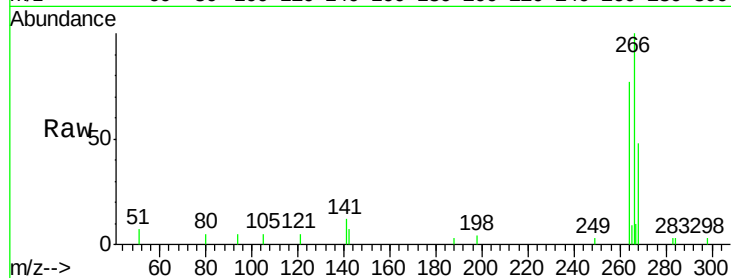
Tgt Ion:266 Resp: 4718

Ion Ratio Lower Upper

266 100

268 47.8 66.8 100.2#

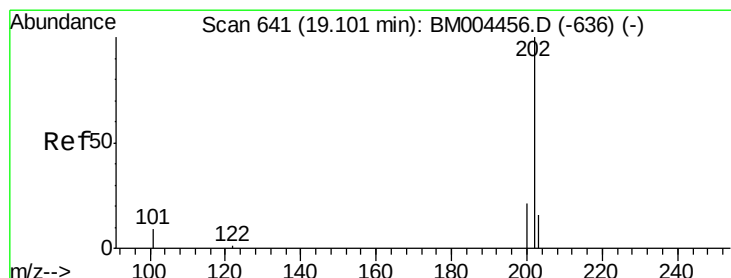
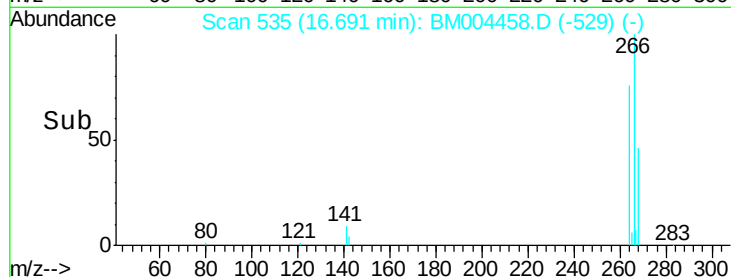
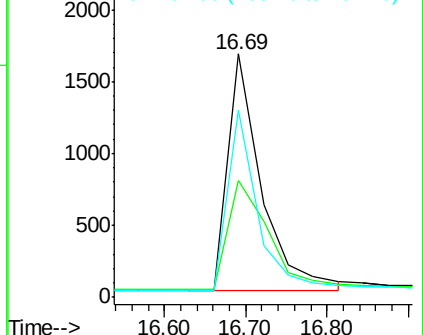
264 76.7 49.4 74.0#



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



#18

Fluoranthene

Concen: 7.36 ng

RT: 19.10 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

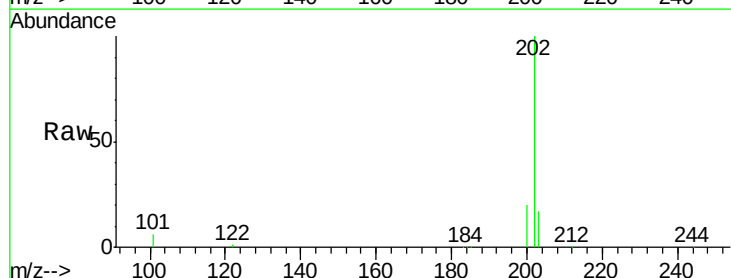
Tgt Ion:202 Resp: 83975

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

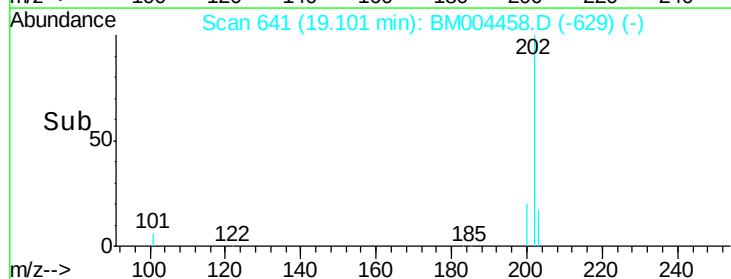
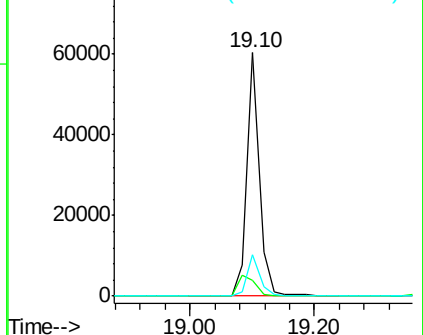
203 17.3 13.9 20.9

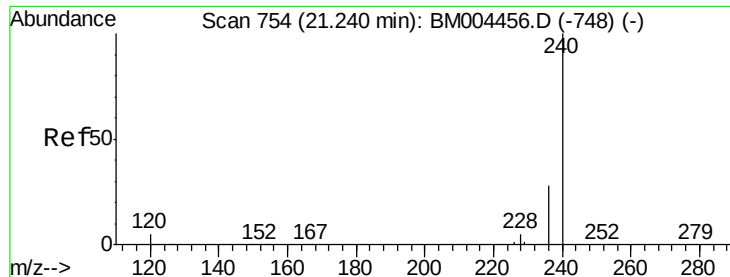


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

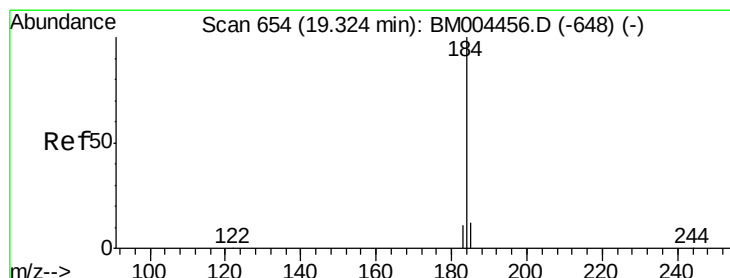
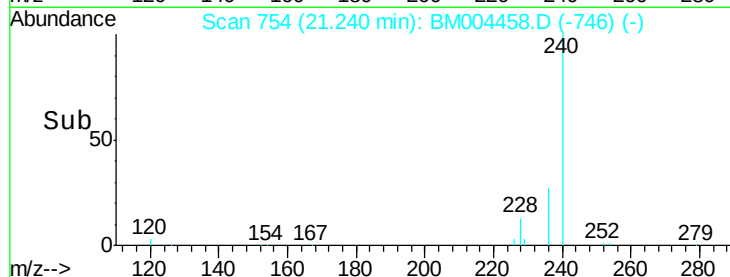
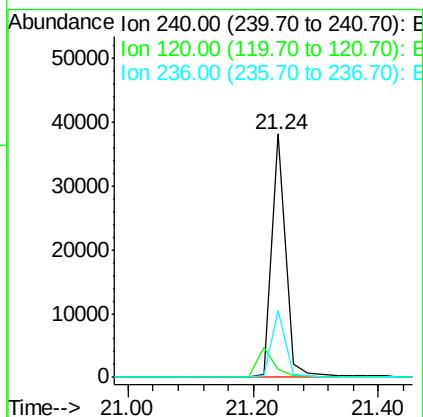
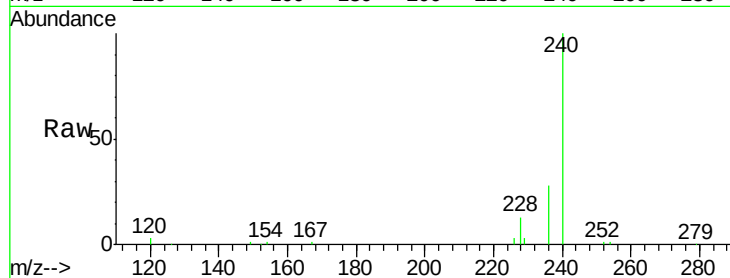




#19  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.24 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: BM004458.D  
Acq: 28 Feb 2016 19:43

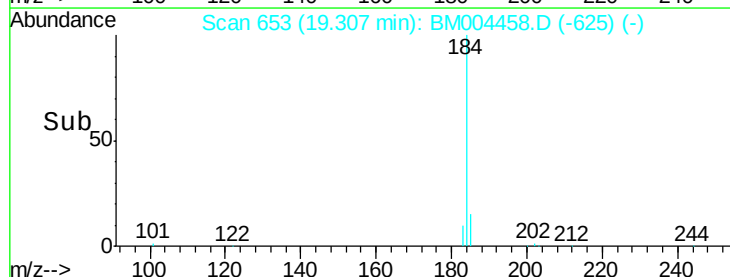
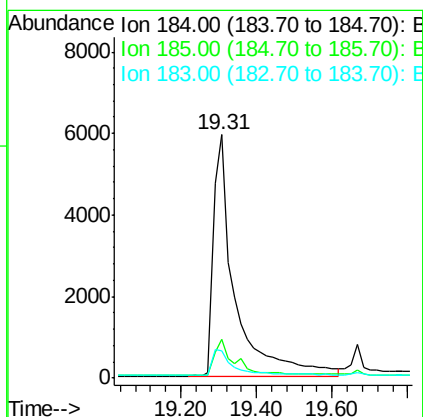
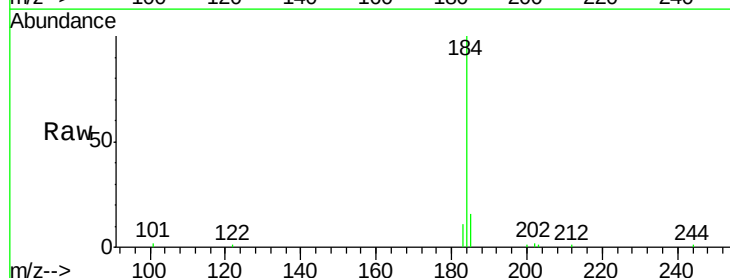
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC005

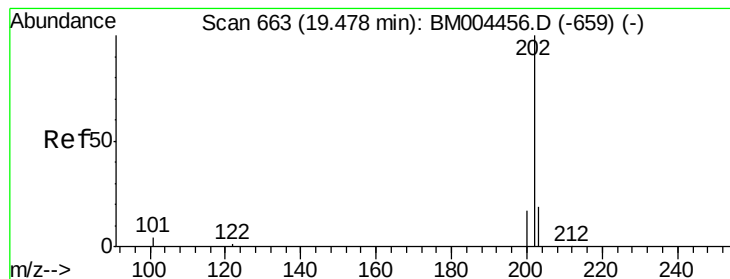
Tgt Ion:240 Resp: 59731  
Ion Ratio Lower Upper  
240 100  
120 3.3 4.0 6.0#  
236 27.6 22.7 34.1



#20  
Benzidine  
Concen: 8.01 ng  
RT: 19.31 min Scan# 653  
Delta R.T. -0.02 min  
Lab File: BM004458.D  
Acq: 28 Feb 2016 19:43

Tgt Ion:184 Resp: 23091  
Ion Ratio Lower Upper  
184 100  
185 16.1 20.8 31.2#  
183 11.4 18.5 27.7#





#21

Pyrene

Concen: 4.96 ng

RT: 19.46 min Scan# 662

Delta R.T. -0.02 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDICC005

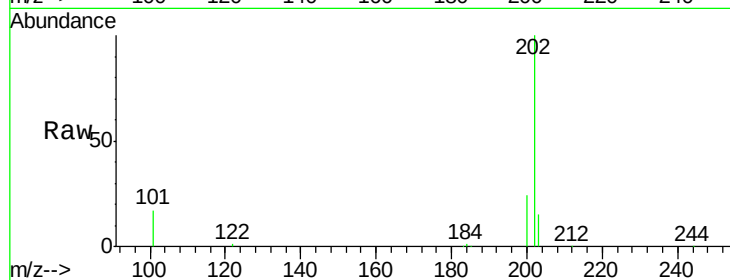
Tgt Ion:202 Resp: 84482

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

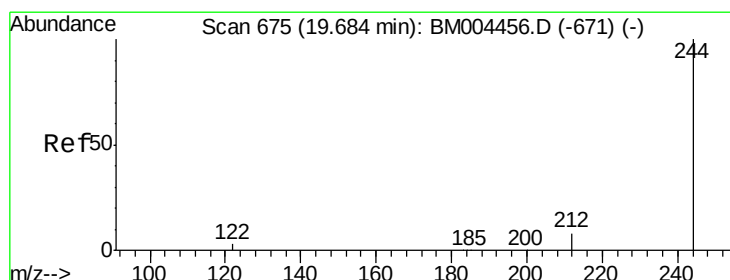
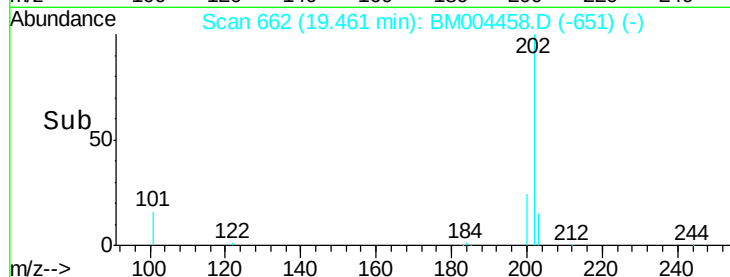
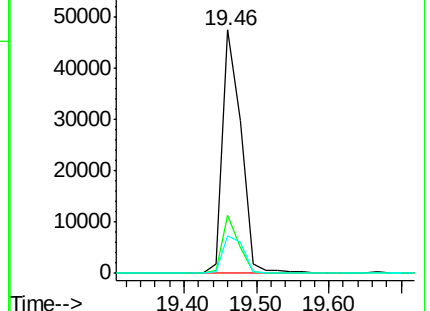
203 17.3 13.9 20.9



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



#22

Terphenyl-d14

Concen: 4.75 ng

RT: 19.67 min Scan# 674

Delta R.T. -0.02 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

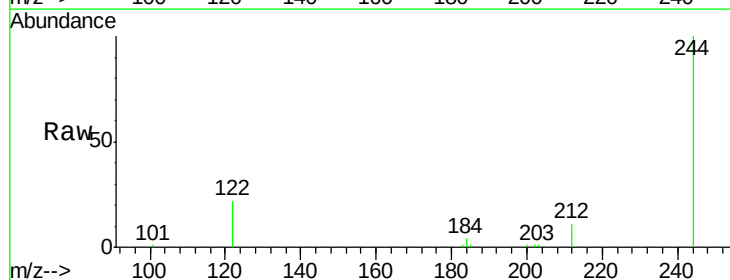
Tgt Ion:244 Resp: 36390

Ion Ratio Lower Upper

244 100

212 11.3 7.4 11.2#

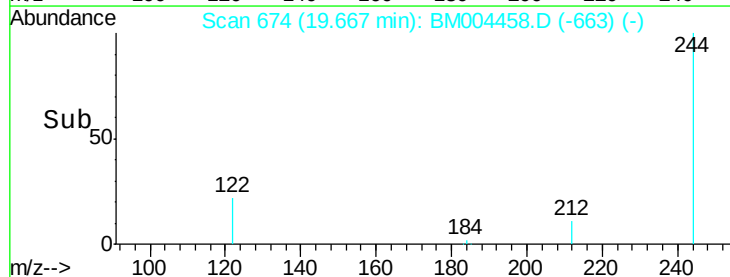
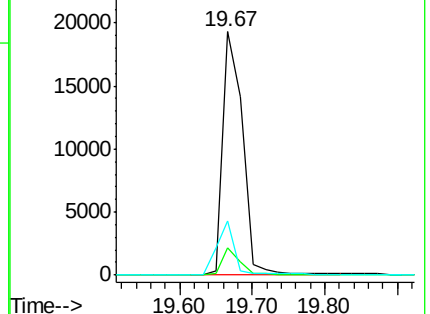
122 22.4 4.2 6.2#

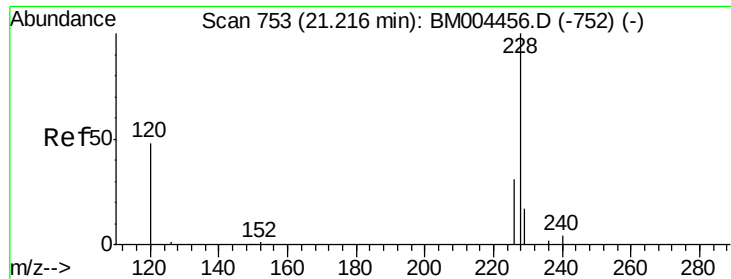


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 8.40 ng

RT: 21.22 min Scan# 753

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

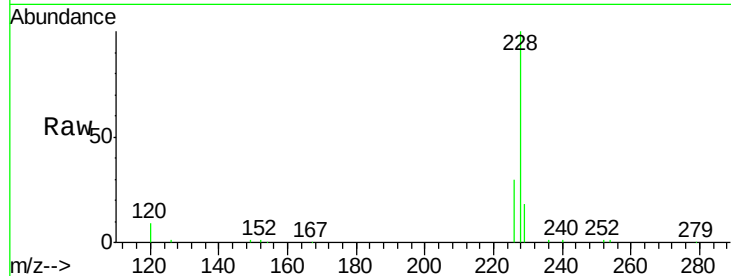
Tgt Ion:228 Resp: 149813

Ion Ratio Lower Upper

228 100

226 29.5 25.1 37.7

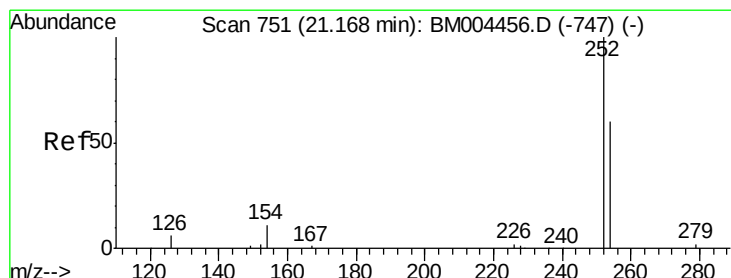
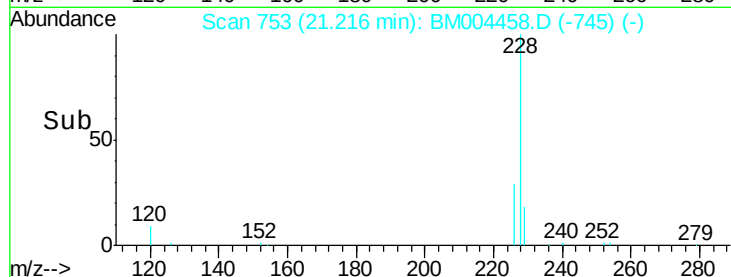
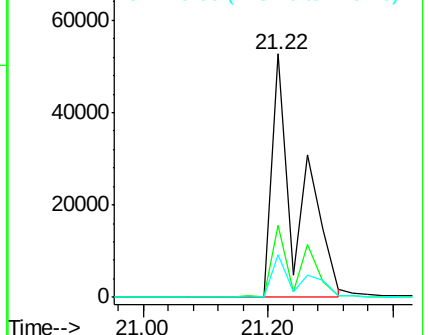
229 17.6 14.2 21.4



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



#24

3,3'-Dichlorobenzidine

Concen: 7.11 ng

RT: 21.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

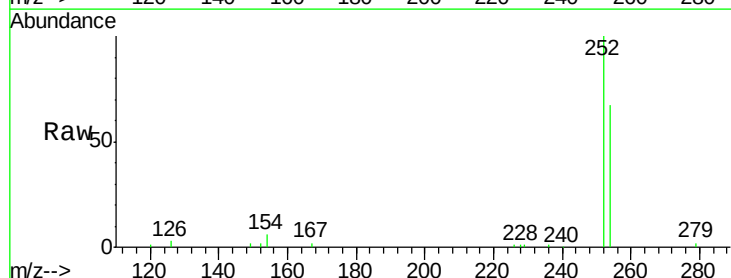
Tgt Ion:252 Resp: 30775

Ion Ratio Lower Upper

252 100

254 66.9 48.7 73.1

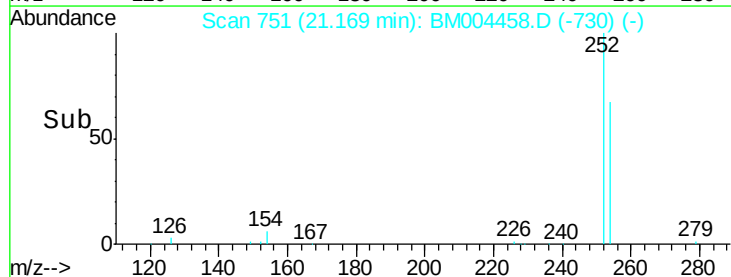
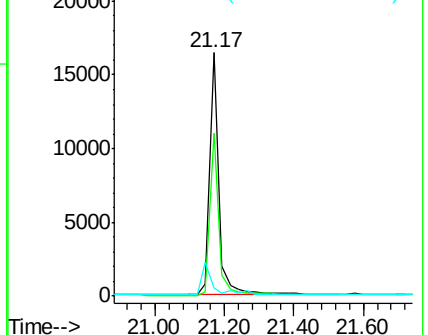
126 3.4 8.2 12.2#

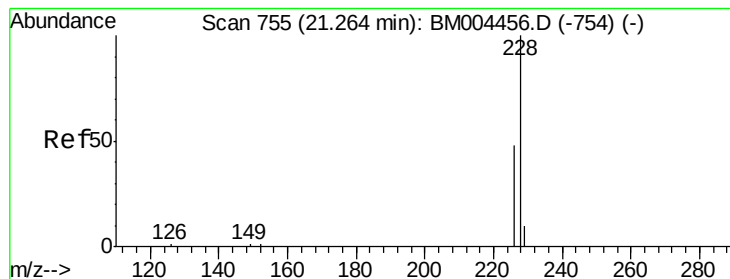


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 9.20 ng

RT: 21.22 min Scan# 753

Delta R.T. -0.05 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

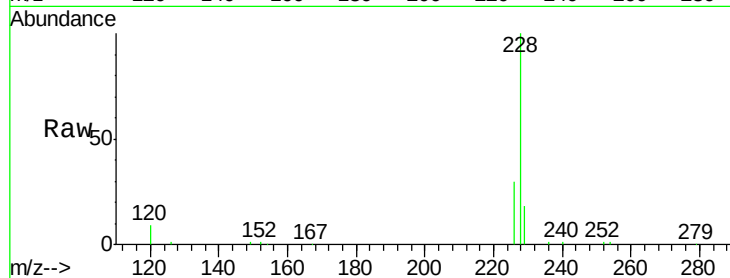
Tgt Ion:228 Resp: 151640

Ion Ratio Lower Upper

228 100

226 29.5 31.0 46.6#

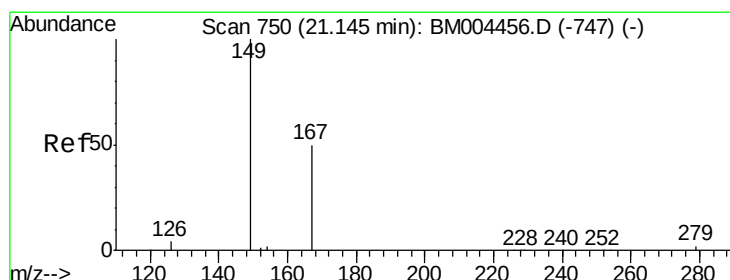
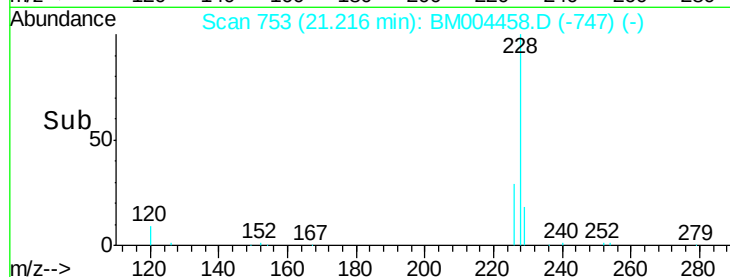
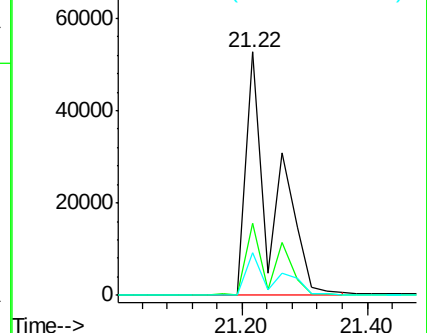
229 17.6 13.4 20.2



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



#26

Bis(2-ethylhexyl)phthalate

Concen: 6.28 ng

RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

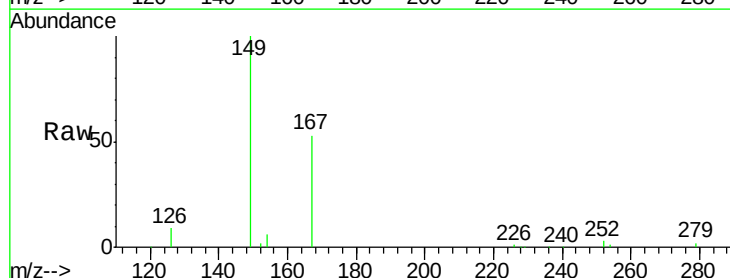
Tgt Ion:149 Resp: 47745

Ion Ratio Lower Upper

149 100

167 42.9 33.1 49.7

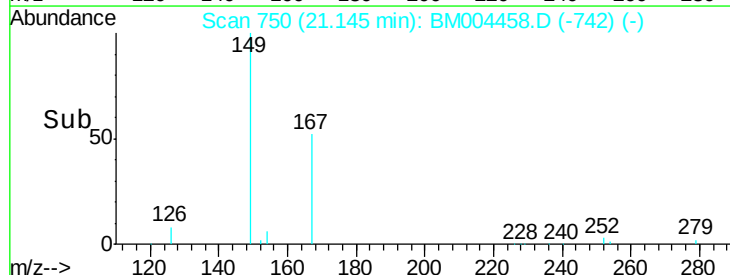
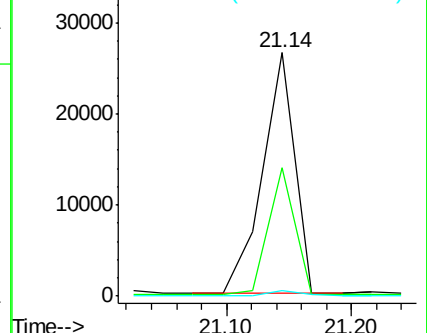
279 2.3 2.0 3.0

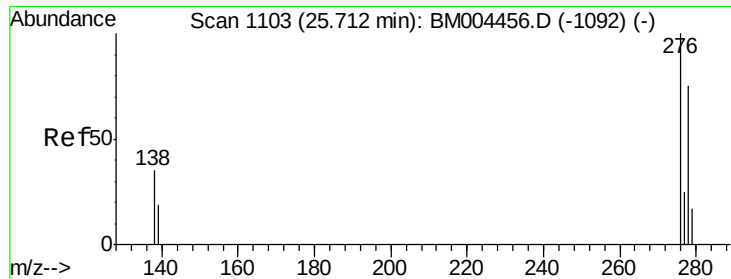


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

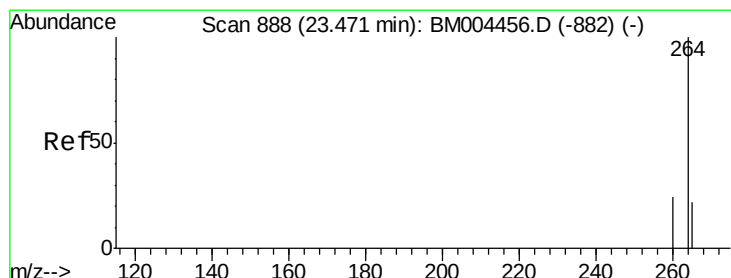
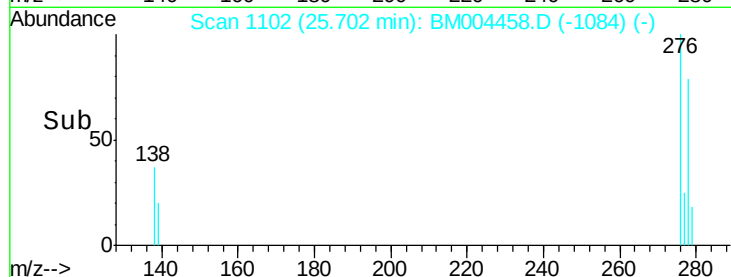
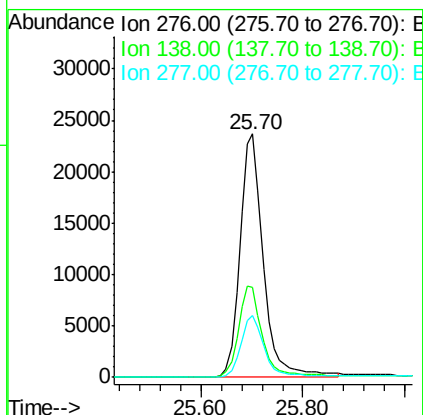
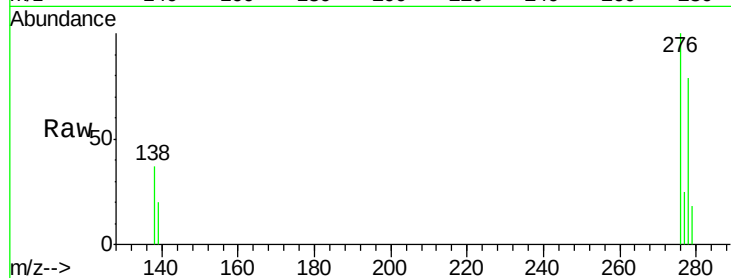




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.31 ng  
 RT: 25.70 min Scan# 1102  
 Delta R.T. -0.01 min  
 Lab File: BM004458.D  
 Acq: 28 Feb 2016 19:43

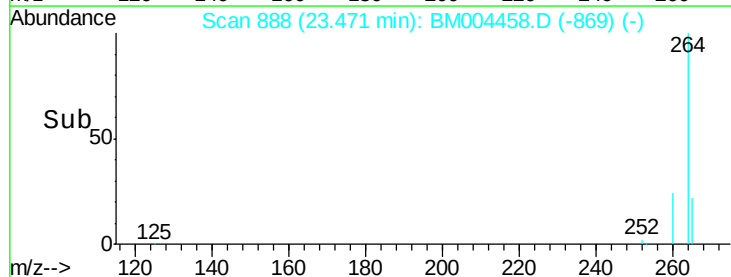
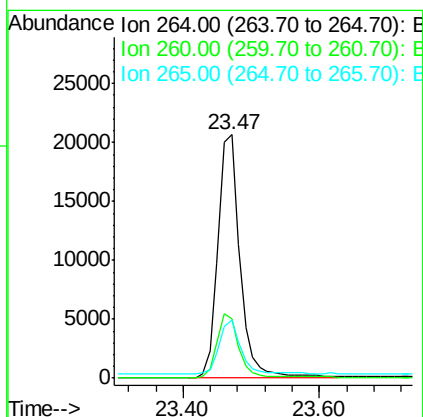
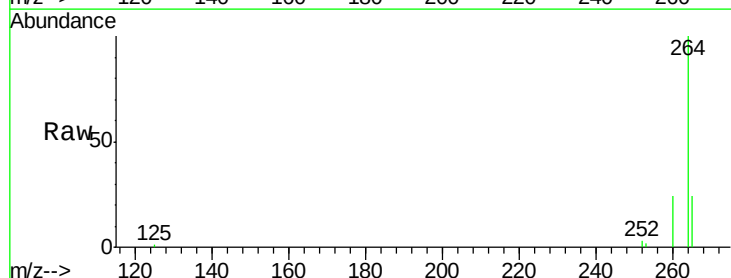
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC005

Tgt Ion: 276 Resp: 74290  
 Ion Ratio Lower Upper  
 276 100  
 138 37.9 30.0 45.0  
 277 24.9 19.8 29.8

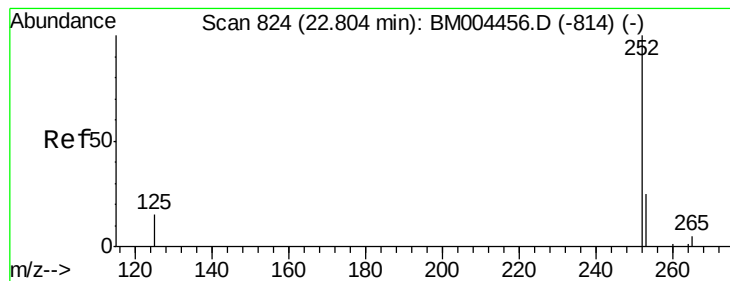


#28  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.47 min Scan# 888  
 Delta R.T. 0.00 min  
 Lab File: BM004458.D  
 Acq: 28 Feb 2016 19:43

Tgt Ion: 264 Resp: 45654  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.4 29.2  
 265 23.7 18.9 28.3







#29

Benzo(b)fluoranthene

Concen: 5.74 ng

RT: 22.79 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

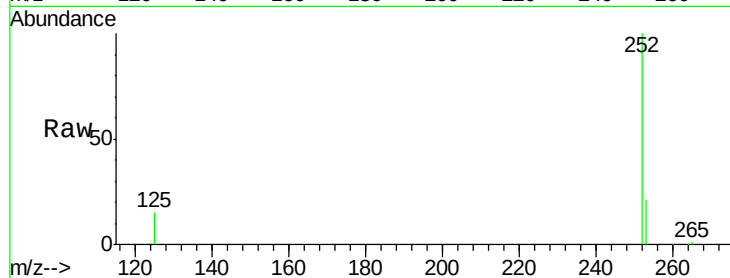
Tgt Ion:252 Resp: 83034

Ion Ratio Lower Upper

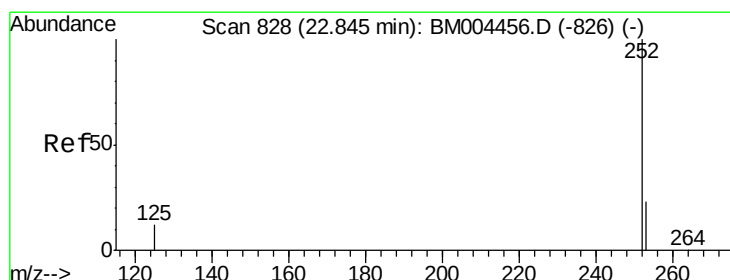
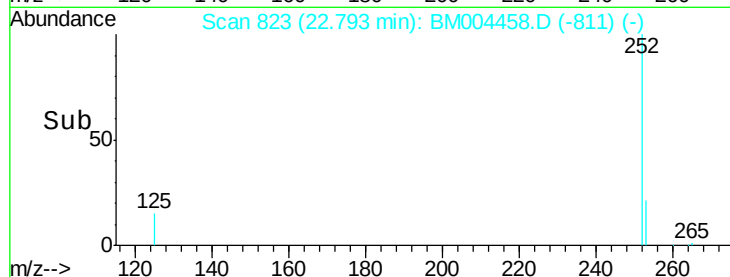
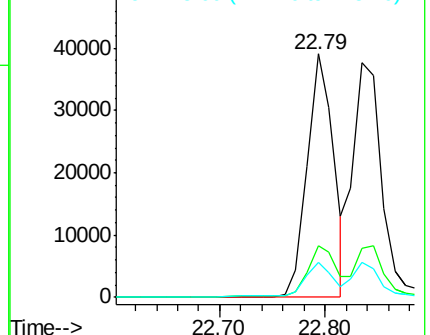
252 100

253 21.2 19.8 29.6

125 14.5 12.2 18.2



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



#30

Benzo(k)fluoranthene

Concen: 5.54 ng

RT: 22.83 min Scan# 827

Delta R.T. -0.01 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

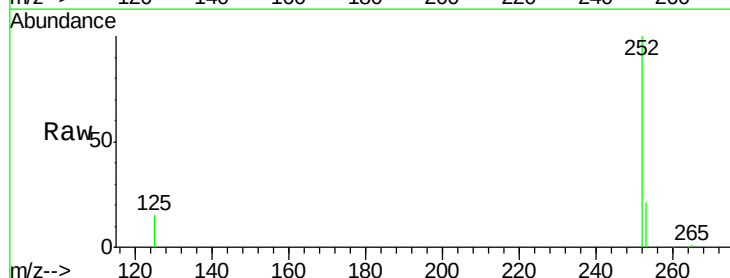
Tgt Ion:252 Resp: 71460

Ion Ratio Lower Upper

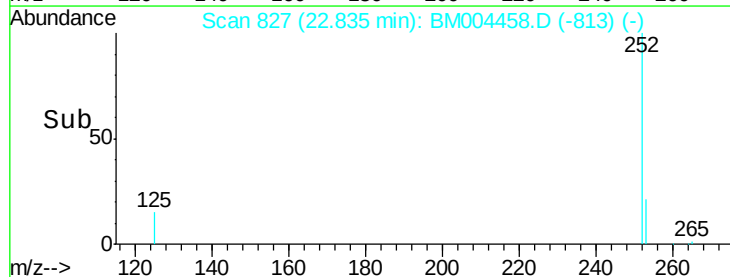
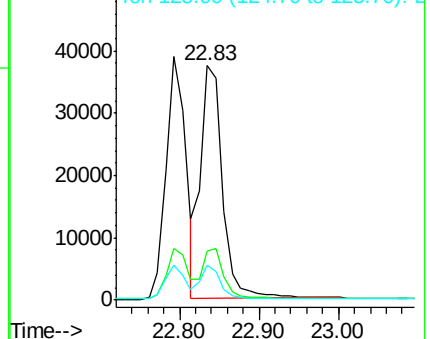
252 100

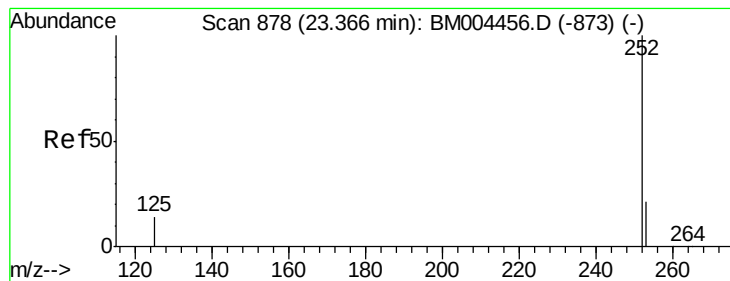
253 20.8 19.3 28.9

125 14.8 12.4 18.6



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





#31

Benzo(a)pyrene

Concen: 5.32 ng

RT: 23.37 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005

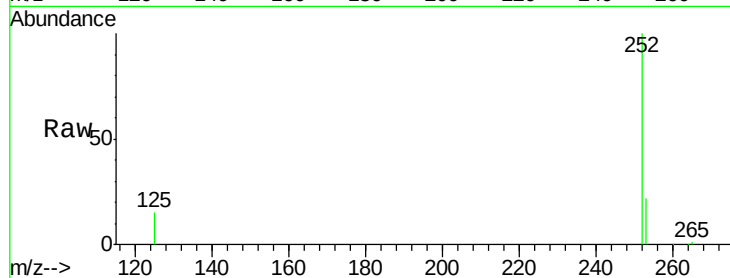
Tgt Ion:252 Resp: 66851

Ion Ratio Lower Upper

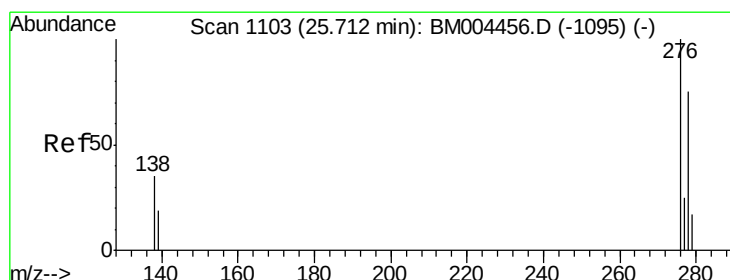
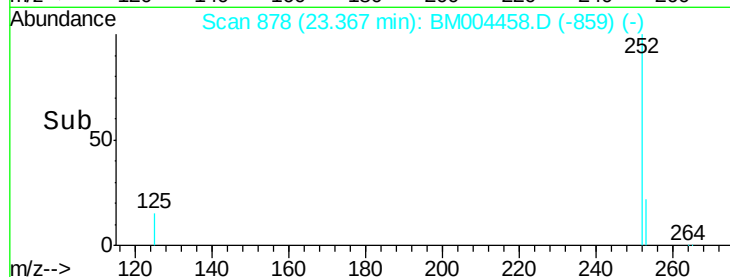
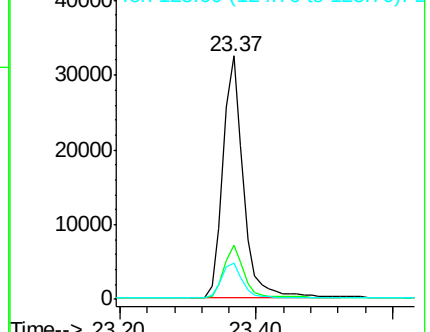
252 100

253 22.2 19.3 28.9

125 15.1 14.4 21.6



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



#32

Dibenzo(a,h)anthracene

Concen: 5.28 ng

RT: 25.70 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BM004458.D

Acq: 28 Feb 2016 19:43

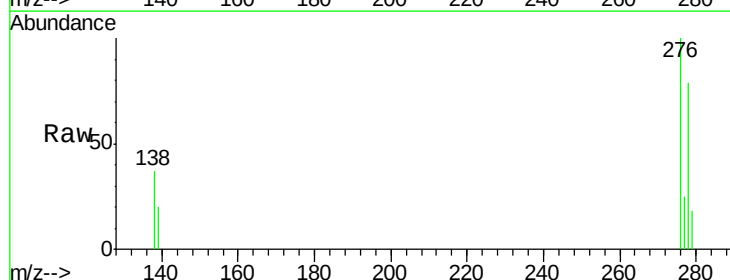
Tgt Ion:278 Resp: 59260

Ion Ratio Lower Upper

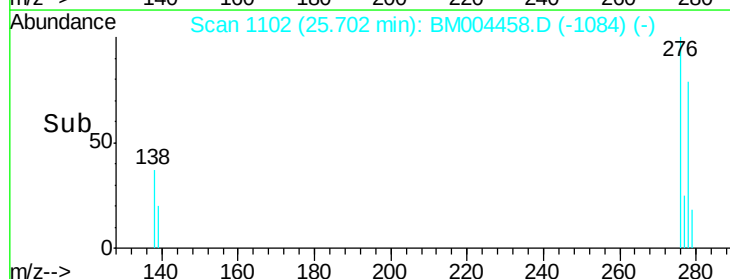
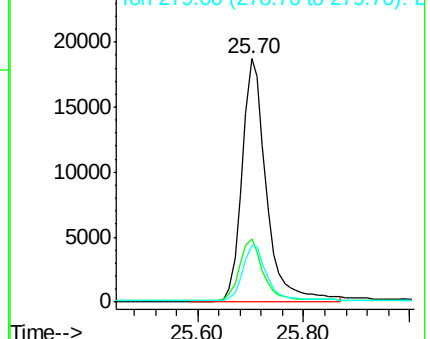
278 100

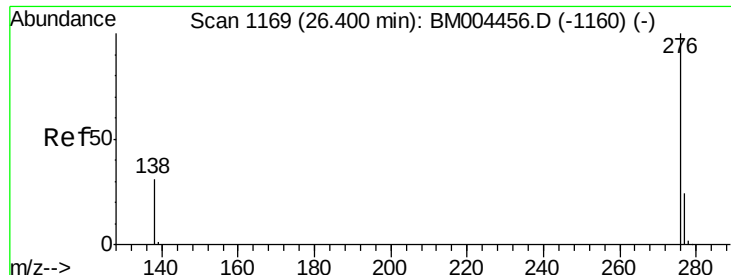
139 25.8 22.3 33.5

279 23.2 20.7 31.1



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





#33

Benzo(g,h,i)perylene

Concen: 5.16 ng

RT: 26.39 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BM004458.D

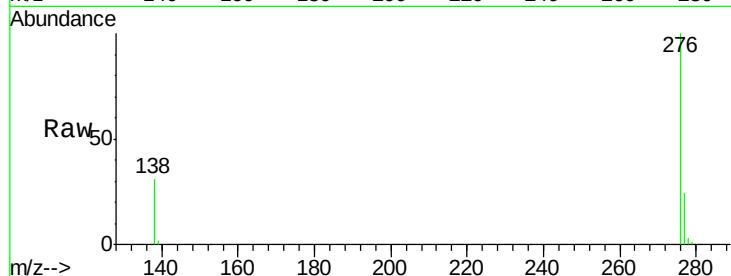
Acq: 28 Feb 2016 19:43

Instrument :

BNA\_M

ClientSampleId :

SSTDIC005



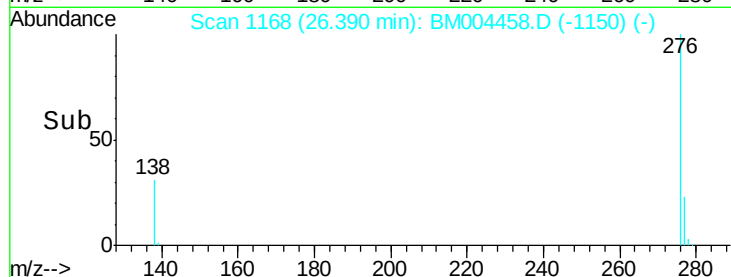
Tgt Ion: 276 Resp: 63282

Ion Ratio Lower Upper

276 100

277 23.8 20.4 30.6

138 31.2 26.4 39.6



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

