

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\  
 Data File : BE098381.D  
 Acq On : 13 Dec 2018 3:25  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Dec 13 07:26:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1245     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 5457     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.53 | 164  | 3583     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 9594     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.46 | 240  | 11345    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.00 | 264  | 10913    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 1084  | 0.37 | ng | 0.01 |
| 5) Phenol-d6                | 7.05  | 99  | 1548  | 0.38 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 1879  | 0.38 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 3355  | 0.38 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 502   | 0.38 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 5446  | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.30 | 212 | 46979 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 8941  | 0.32 | ng | 0.00 |

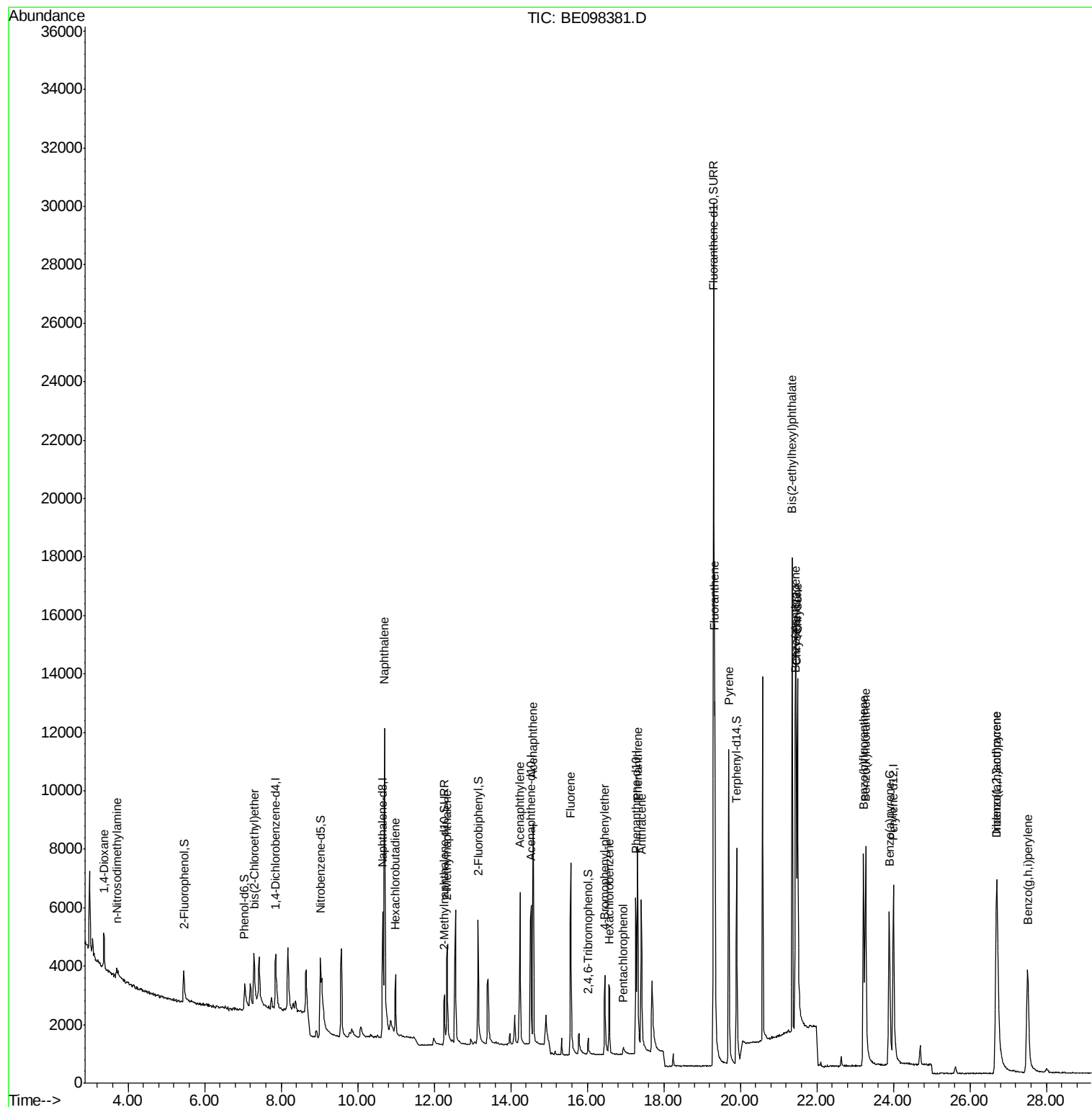
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 792   | 0.368  | ng | 97    |
| 3) n-Nitrosodimethylamine      | 3.71  | 42  | 480   | 0.248  | ng | # 100 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1290  | 0.329  | ng | 87    |
| 9) Naphthalene                 | 10.71 | 128 | 21346 | 0.389  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 1471  | 0.421  | ng | 96    |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 3289  | 0.369  | ng | 99    |
| 16) Acenaphthylene             | 14.24 | 152 | 6196  | 0.369  | ng | 99    |
| 17) Acenaphthene               | 14.59 | 154 | 3748  | 0.372  | ng | 98    |
| 18) Fluorene                   | 15.57 | 166 | 4986  | 0.370  | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 1813  | 0.351  | ng | # 83  |
| 21) Hexachlorobenzene          | 16.58 | 284 | 2096  | 0.378  | ng | 95    |
| 22) Pentachlorophenol          | 16.94 | 266 | 256   | 0.300  | ng | 94    |
| 23) Phenanthrene               | 17.32 | 178 | 8652  | 0.371  | ng | 99    |
| 24) Anthracene                 | 17.41 | 178 | 7062  | 0.340  | ng | 98    |
| 26) Fluoranthene               | 19.34 | 202 | 11973 | 0.388  | ng | 99    |
| 28) Pyrene                     | 19.70 | 202 | 12052 | 0.339  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.44 | 228 | 11605 | 0.359  | ng | 98    |
| 31) Chrysene                   | 21.50 | 228 | 12739 | 0.376  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 21653 | 0.330  | ng | # 99  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276 | 13146 | 0.390  | ng | 97    |
| 35) Benzo(b)fluoranthene       | 23.22 | 252 | 10845 | 0.363  | ng | 97    |
| 36) Benzo(k)fluoranthene       | 23.27 | 252 | 13435 | 0.386  | ng | 98    |
| 37) Benzo(a)pyrene             | 23.89 | 252 | 11283 | 0.366  | ng | 97    |
| 38) Dibenzo(a,h)anthracene     | 26.71 | 278 | 10680 | 0.368  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 27.51 | 276 | 10988 | 0.376  | ng | 99    |

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

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QLast Update : Mon Dec 10 14:59:55 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

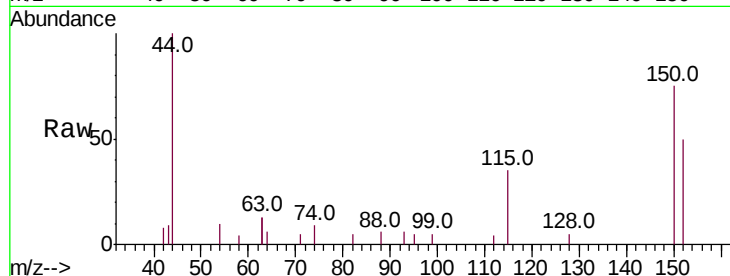
Tot Ion:152 Resp: 1245

Ion Ratio Lower Upper

152 100

150 151.0 124.2 186.4

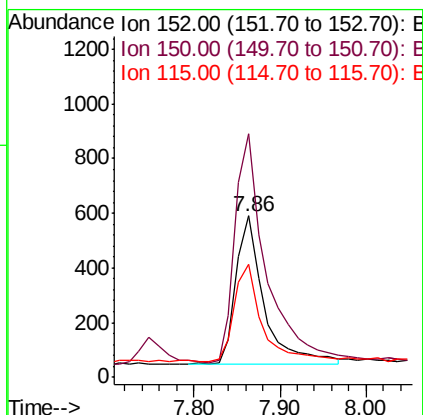
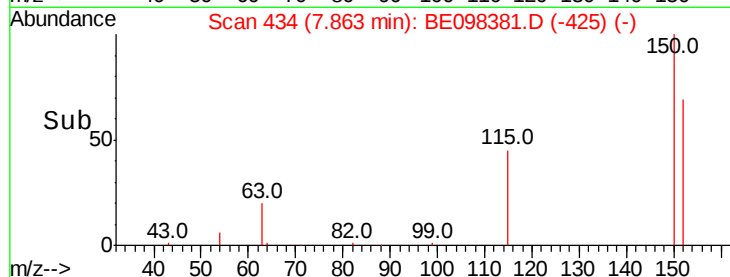
115 70.0 53.9 80.9



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

1,4-Dioxane

Concen: 0.368 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

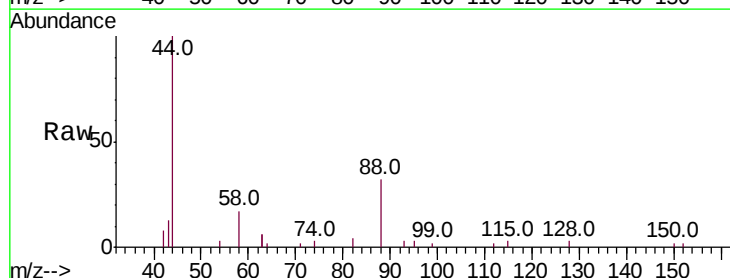
Tgt Ion: 88 Resp: 792

Ion Ratio Lower Upper

88 100

58 92.7 75.0 112.6

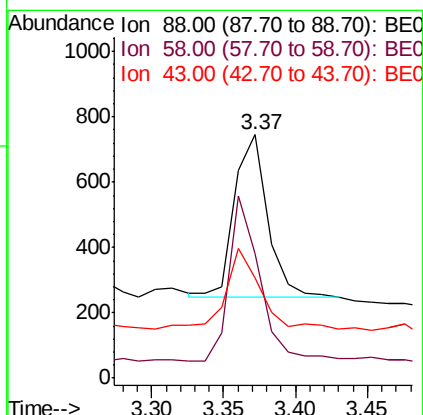
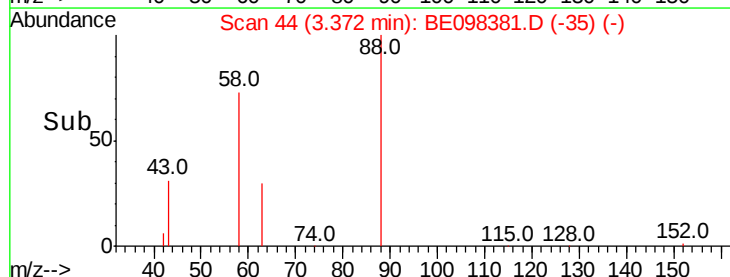
43 51.6 38.3 57.5



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.248 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

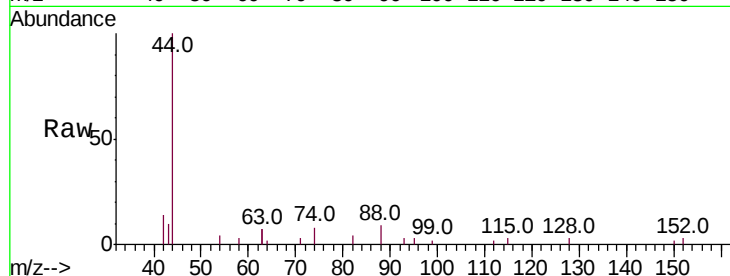
Tot Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

74 74.4 0.0 0.0#

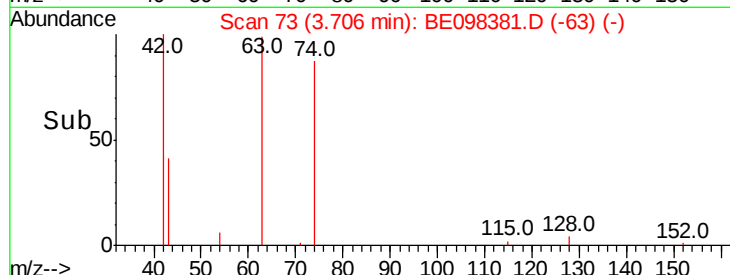
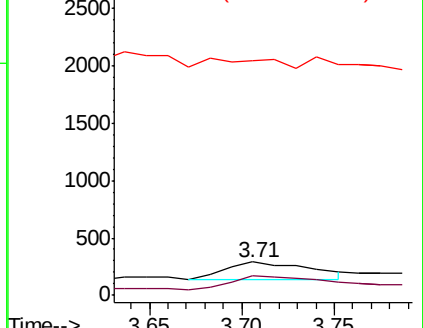
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.372 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

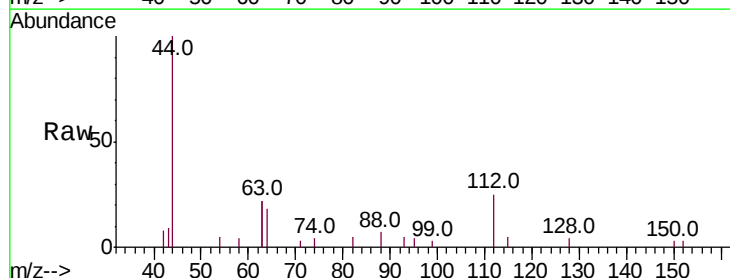
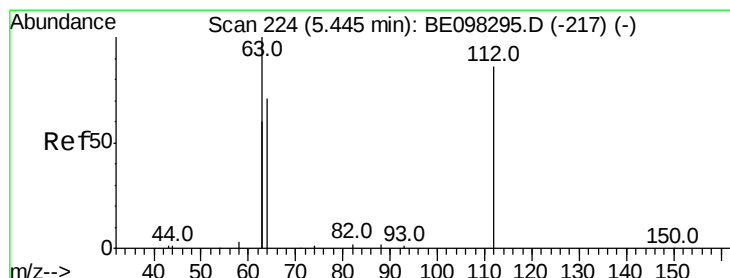
Tgt Ion: 112 Resp: 1084

Ion Ratio Lower Upper

112 100

64 72.0 59.8 89.8

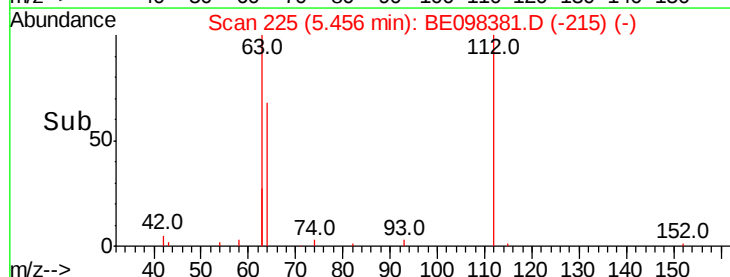
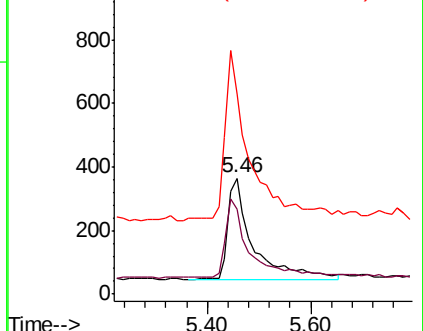
63 150.9 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.375 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

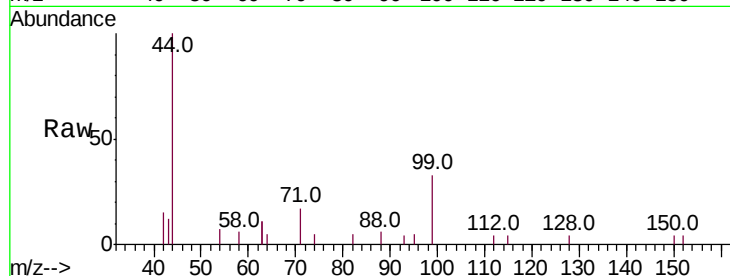
Tot Ion: 99 Resp: 1548

Ion Ratio Lower Upper

99 100

42 24.7 26.3 39.5#

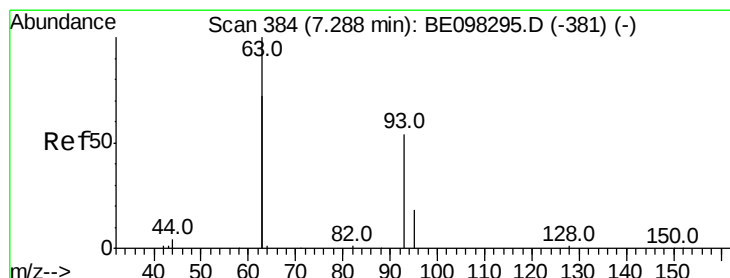
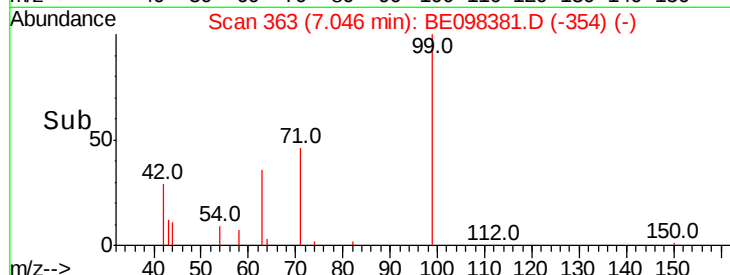
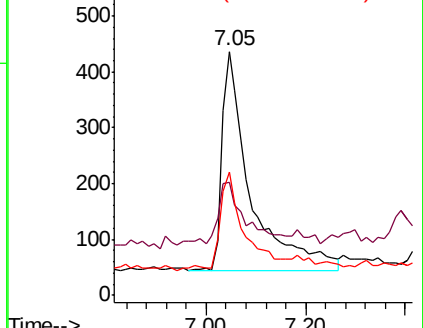
71 34.2 33.6 50.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.329 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

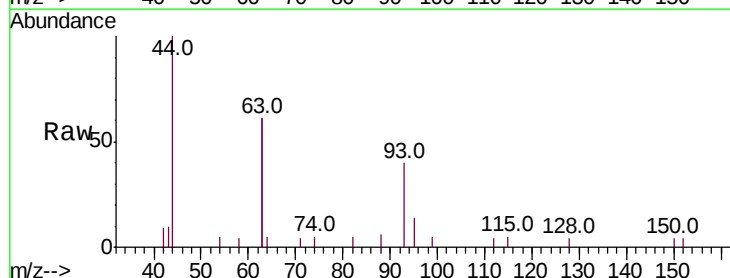
Tgt Ion: 93 Resp: 1290

Ion Ratio Lower Upper

93 100

63 300.1 264.4 396.6

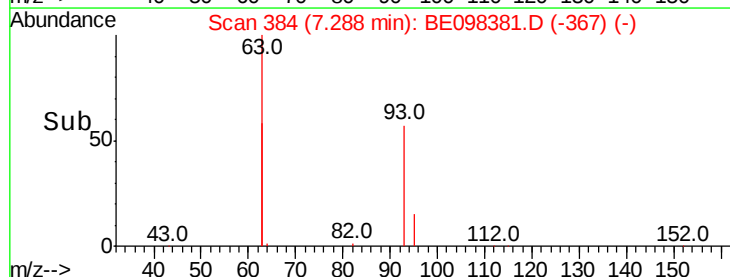
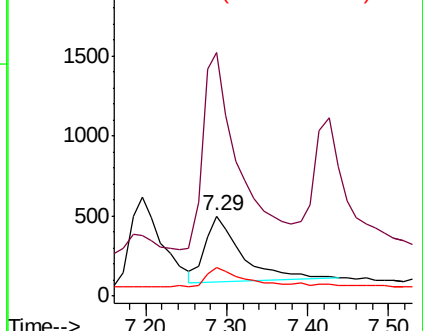
95 34.7 26.6 40.0

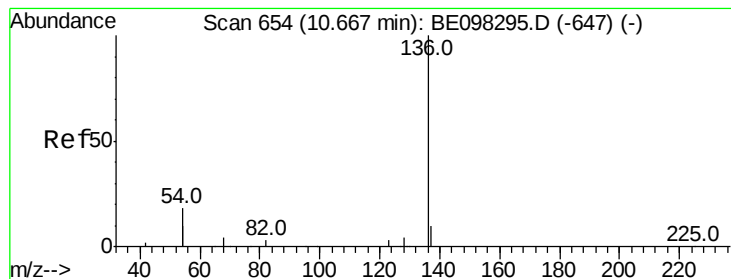


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 5457

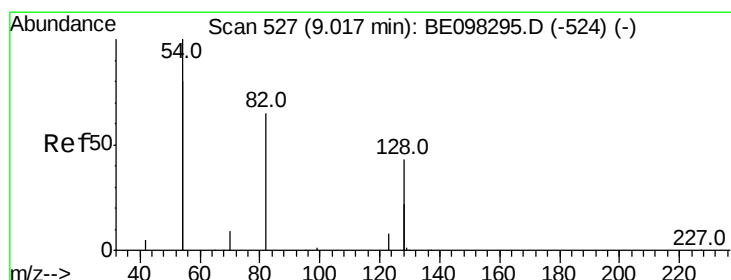
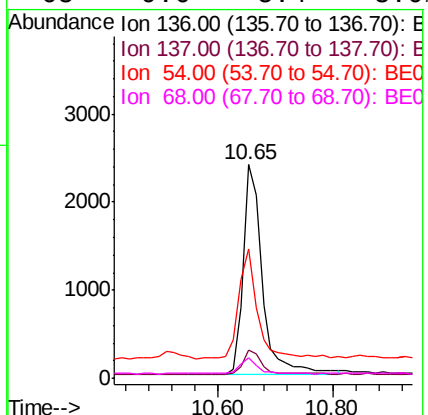
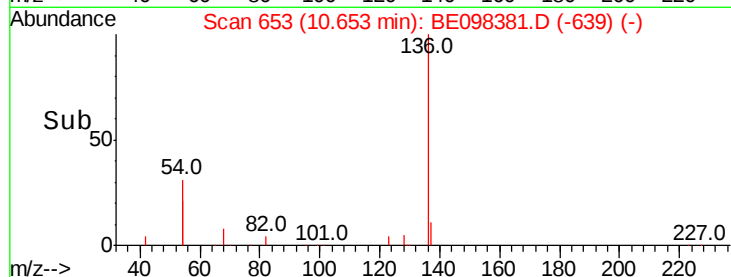
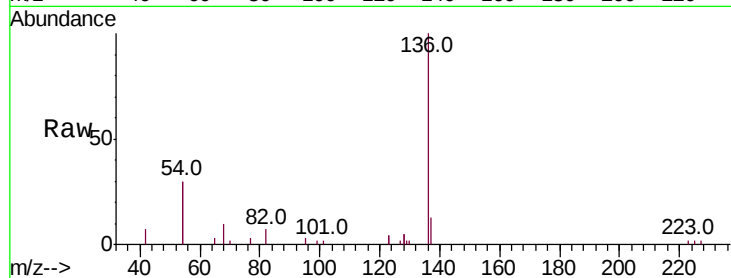
Ion Ratio Lower Upper

136 100

137 13.1 9.2 13.8

54 60.3 28.4 42.6#

68 9.6 5.4 8.0#



#8

Nitrobenzene-d5

Concen: 0.378 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

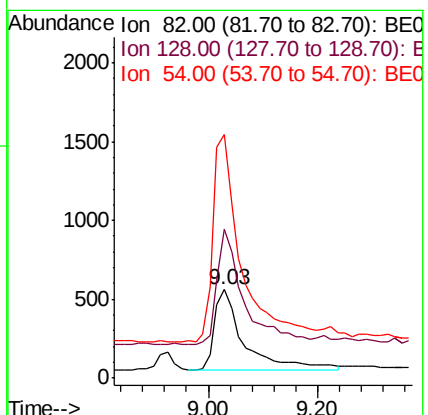
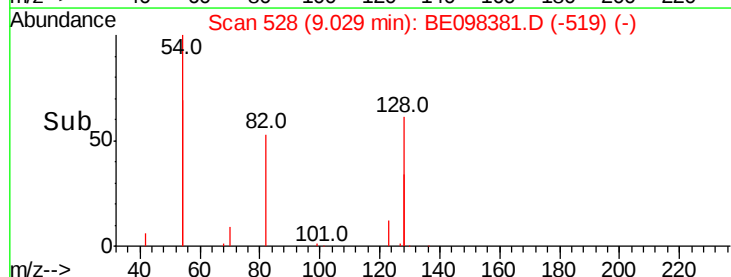
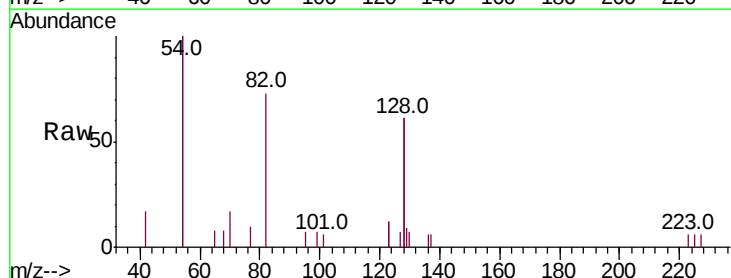
Tgt Ion: 82 Resp: 1879

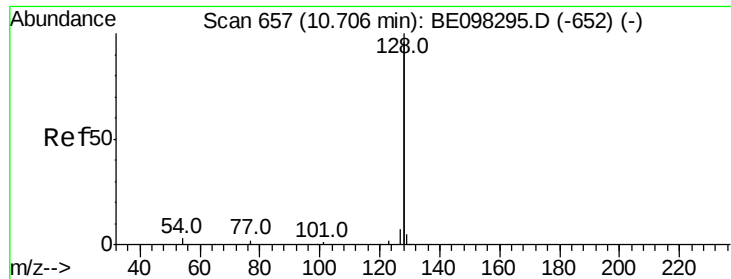
Ion Ratio Lower Upper

82 100

128 169.3 102.4 153.6#

54 275.7 221.8 332.8





#9

Naphthalene

Concen: 0.389 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

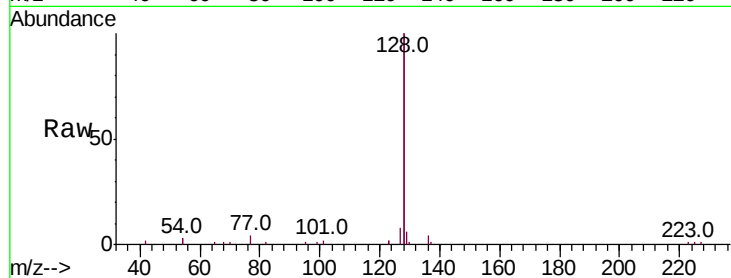
Tot Ion:128 Resp: 21346

Ion Ratio Lower Upper

128 100

129 3.1 2.5 3.7

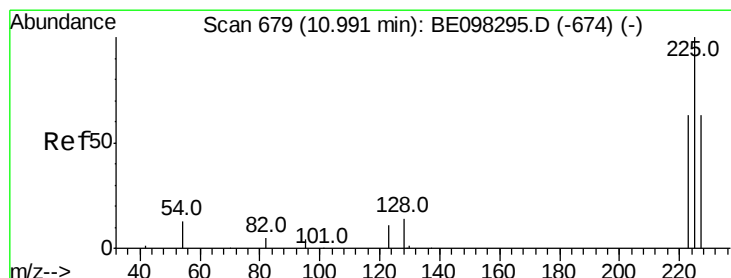
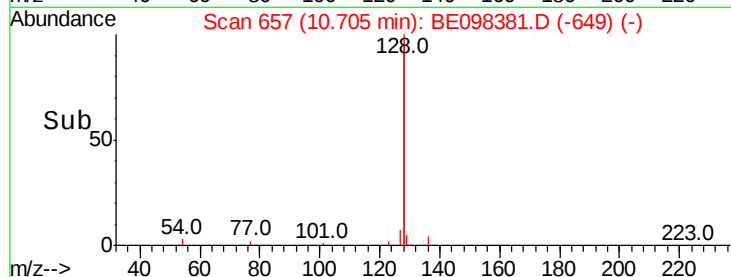
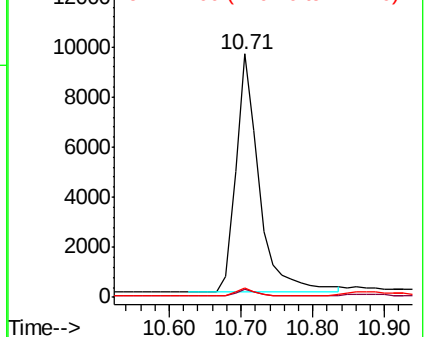
127 3.9 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.421 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

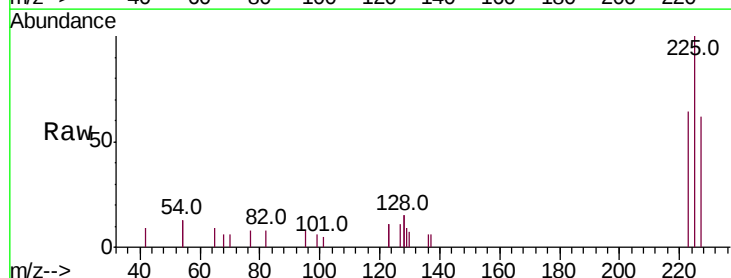
Tgt Ion:225 Resp: 1471

Ion Ratio Lower Upper

225 100

223 62.9 49.4 74.0

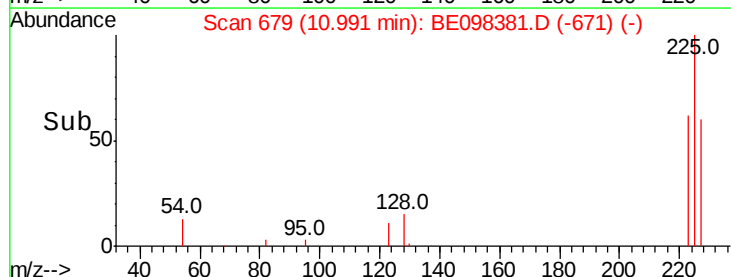
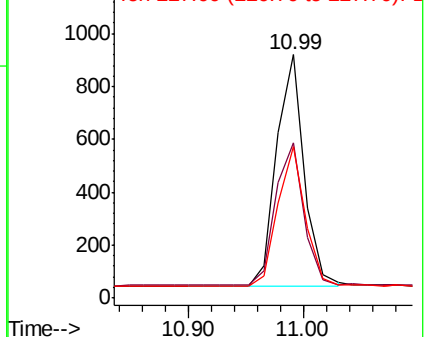
227 60.6 52.0 78.0

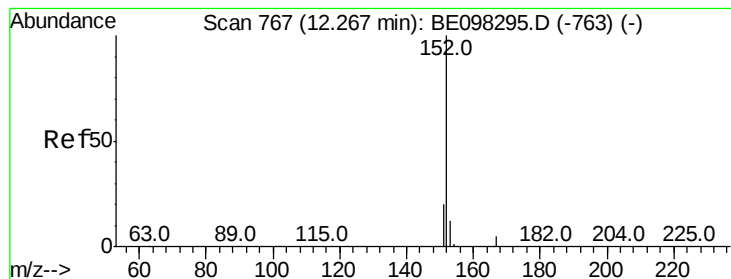


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

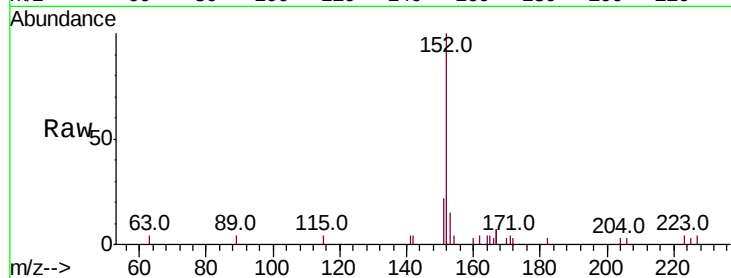
SSTDCCC0.4

Tot Ion:152 Resp: 3355

Ion Ratio Lower Upper

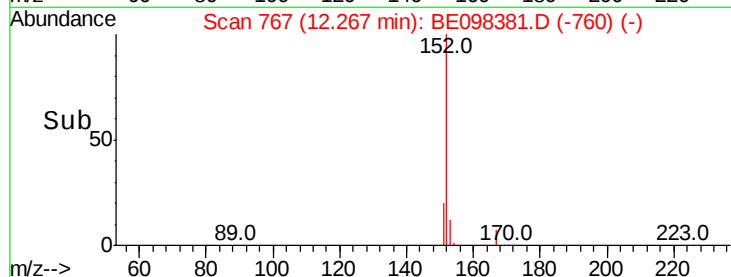
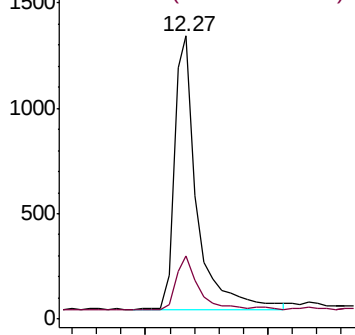
152 100

151 19.8 16.2 24.4

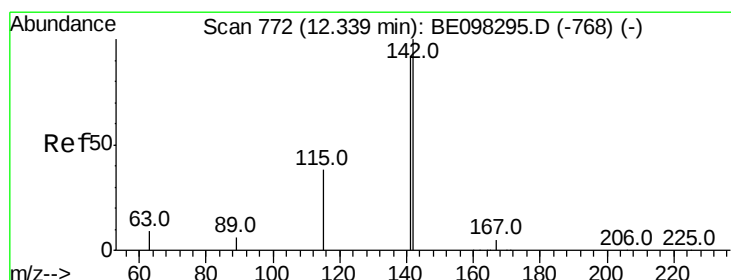


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

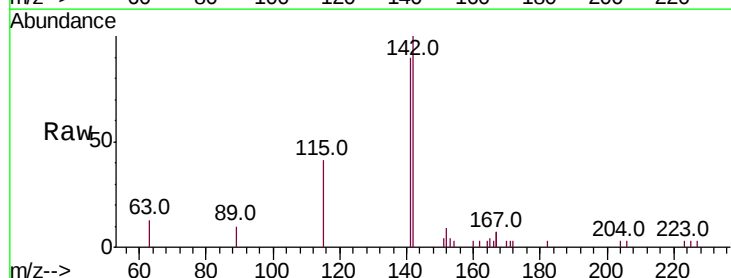
Tgt Ion:142 Resp: 3289

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

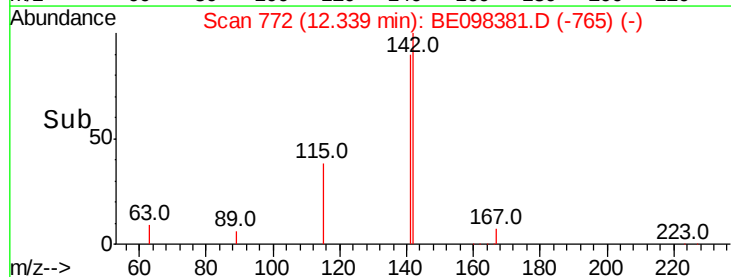
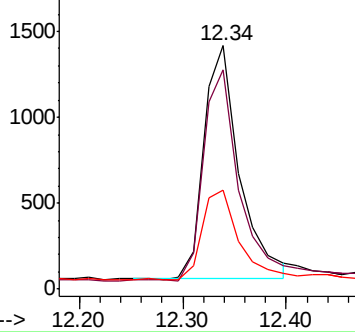
115 40.7 32.2 48.2



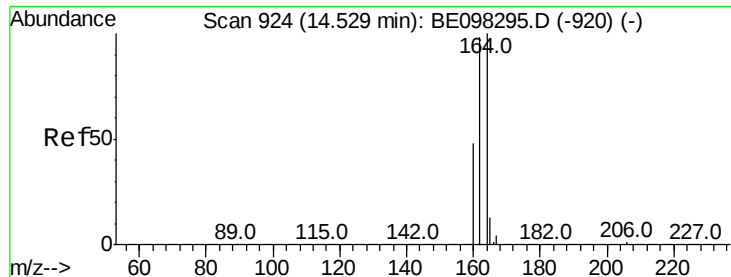
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



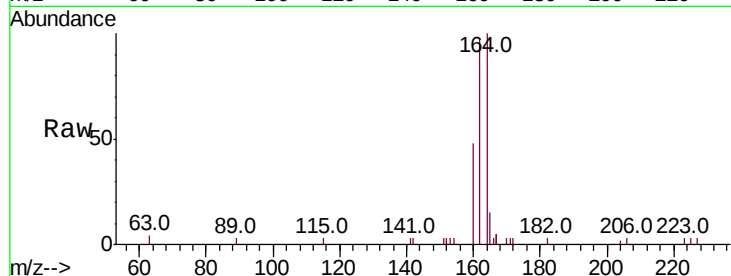
Time-->



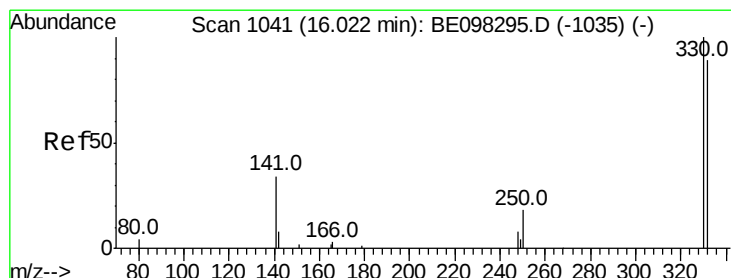
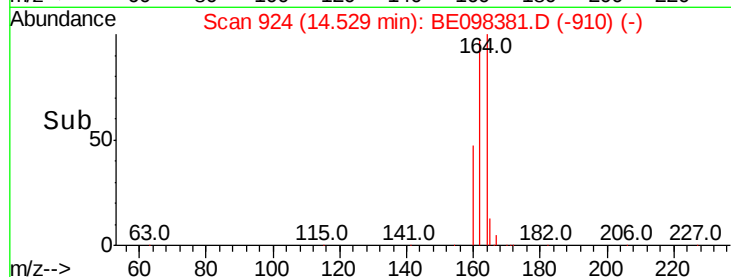
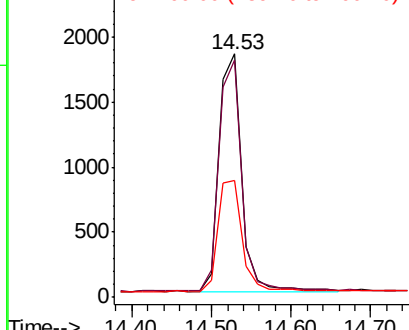
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:164 Resp: 3583  
Ion Ratio Lower Upper  
164 100  
162 97.3 77.6 116.4  
160 48.1 36.0 54.0

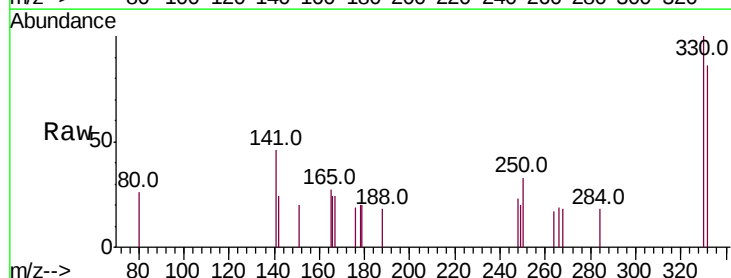


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

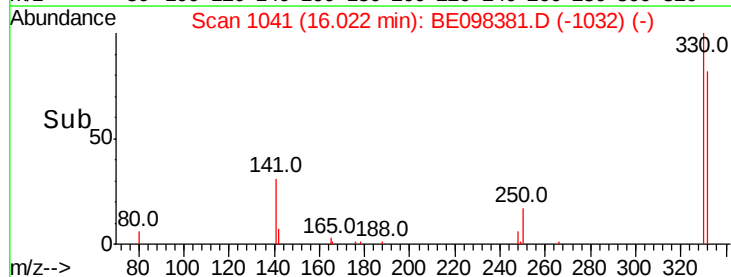
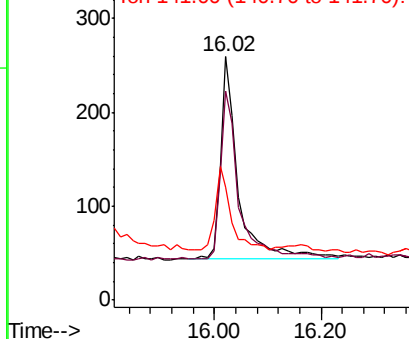


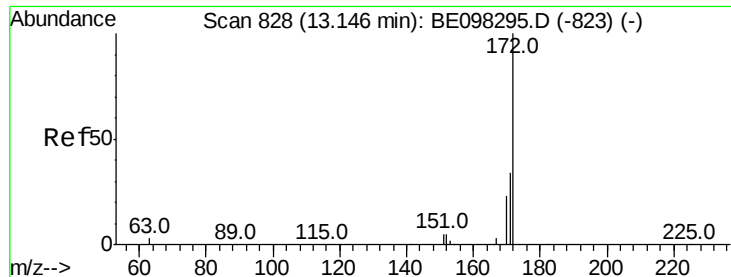
#14  
2,4,6-Tribromophenol  
Concen: 0.382 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

Tgt Ion:330 Resp: 502  
Ion Ratio Lower Upper  
330 100  
332 86.9 76.2 114.4  
141 35.9 39.0 58.4#



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

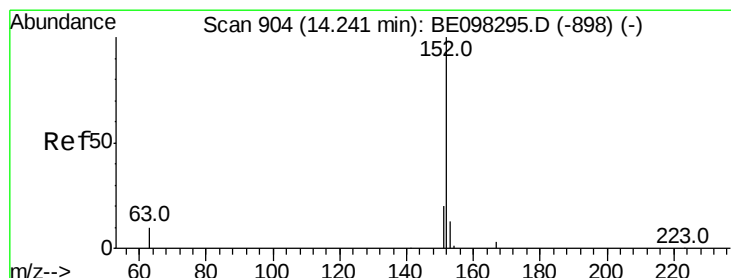
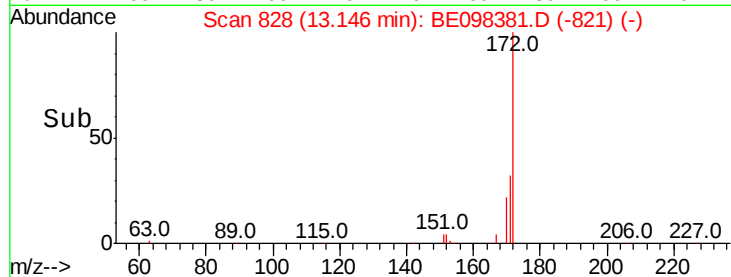
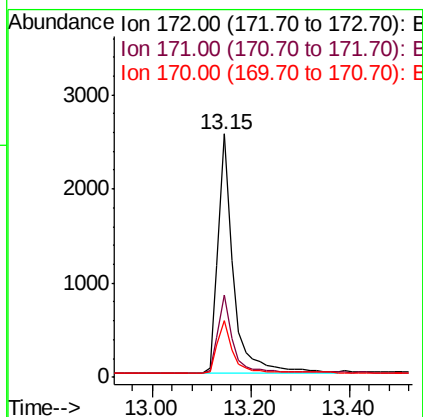
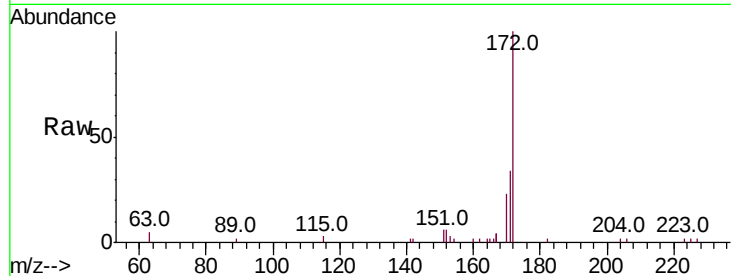




#15  
2-Fluorobiphenyl  
Concen: 0.360 ng  
RT: 13.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

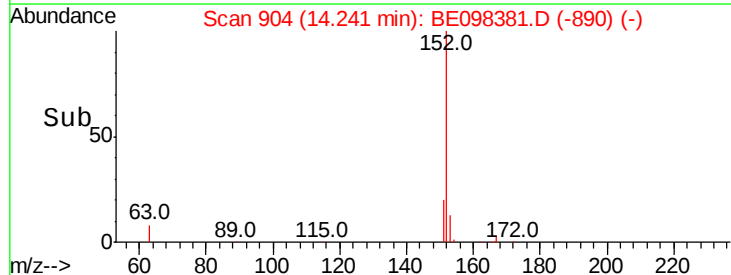
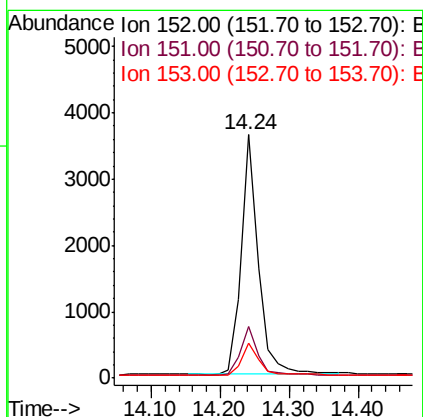
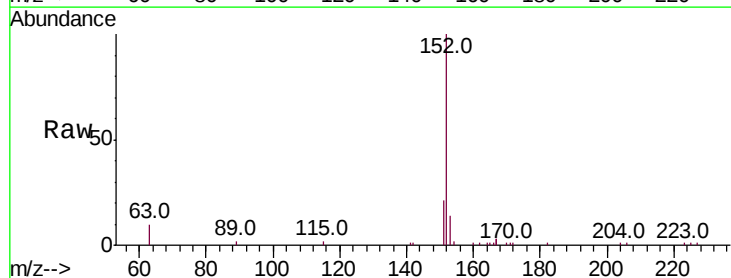
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:172 Resp: 5446  
Ion Ratio Lower Upper  
172 100  
171 33.7 27.5 41.3  
170 23.1 19.6 29.4



#16  
Acenaphthylene  
Concen: 0.369 ng  
RT: 14.24 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

Tgt Ion:152 Resp: 6196  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.5 23.3  
153 13.5 10.6 16.0

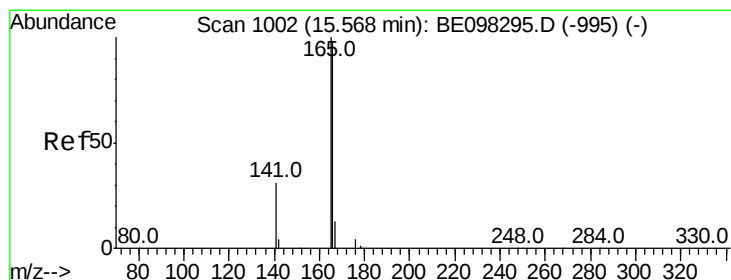
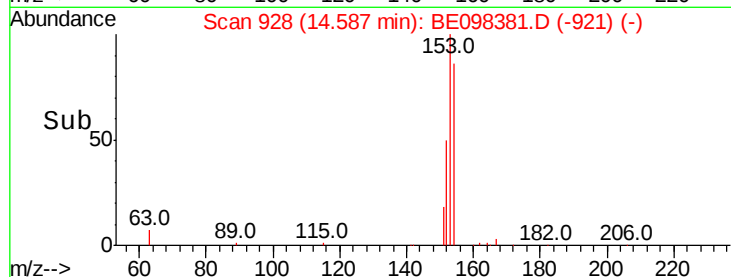
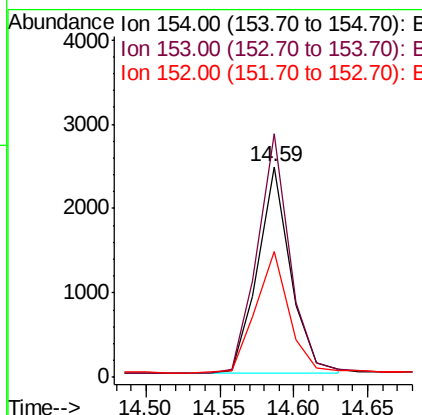
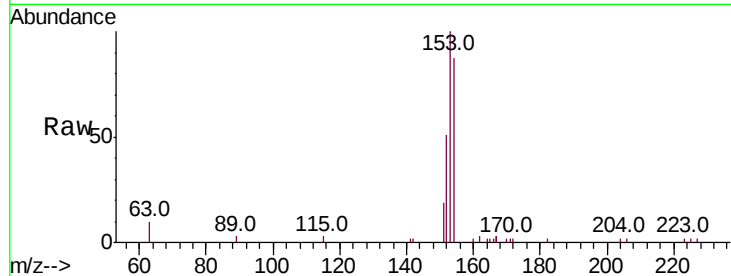




#17  
Acenaphthene  
Concen: 0.372 ng  
RT: 14.59 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

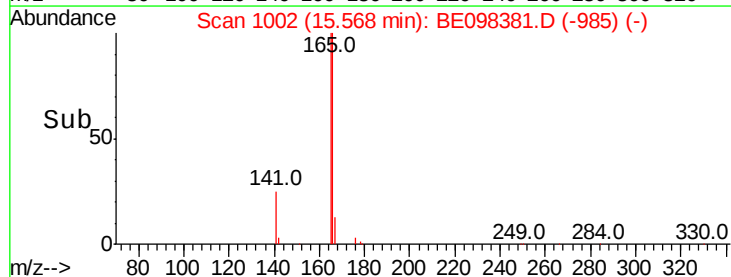
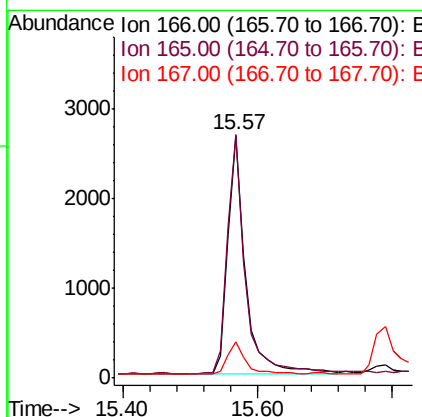
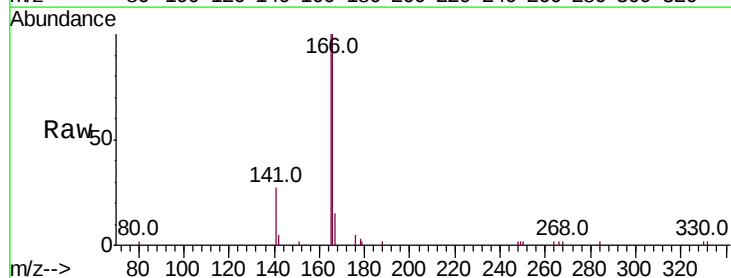
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

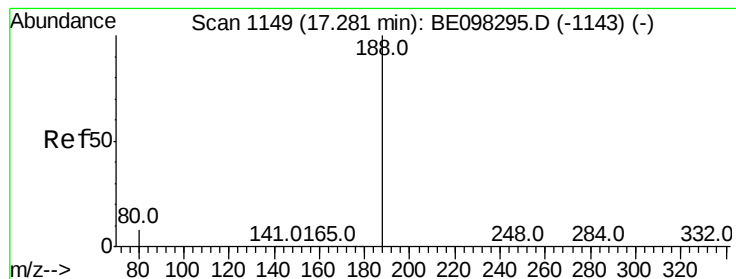
Tot Ion:154 Resp: 3748  
Ion Ratio Lower Upper  
154 100  
153 115.0 91.8 137.6  
152 60.2 45.5 68.3



#18  
Fluorene  
Concen: 0.370 ng  
RT: 15.57 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

Tgt Ion:166 Resp: 4986  
Ion Ratio Lower Upper  
166 100  
165 100.6 79.3 118.9  
167 13.2 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

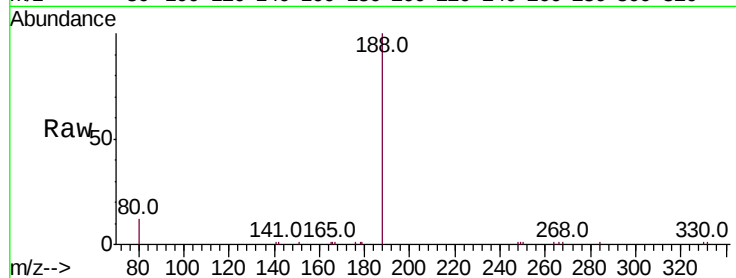
Tot Ion:188 Resp: 9594

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

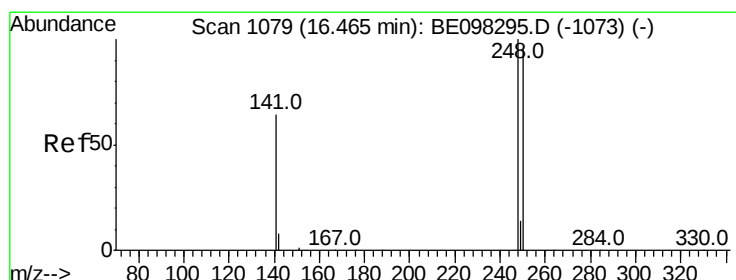
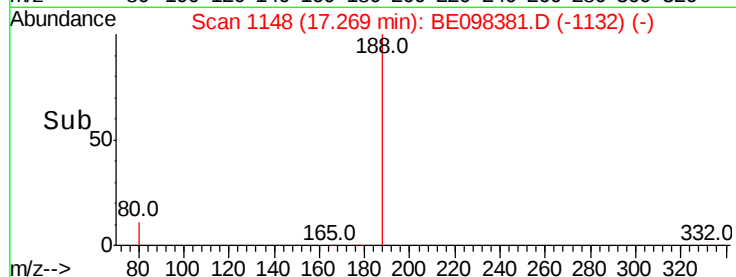
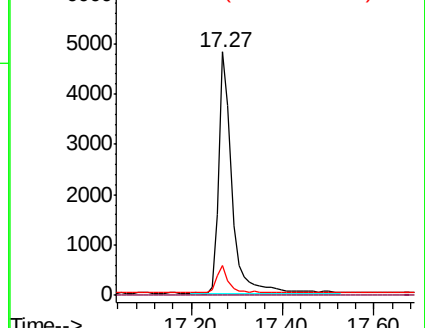
80 12.0 7.2 10.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.351 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

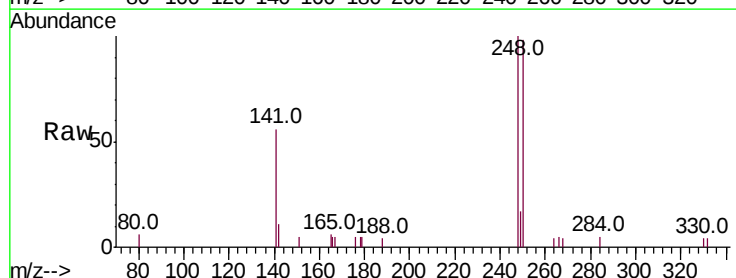
Tgt Ion:248 Resp: 1813

Ion Ratio Lower Upper

248 100

250 98.1 71.0 106.6

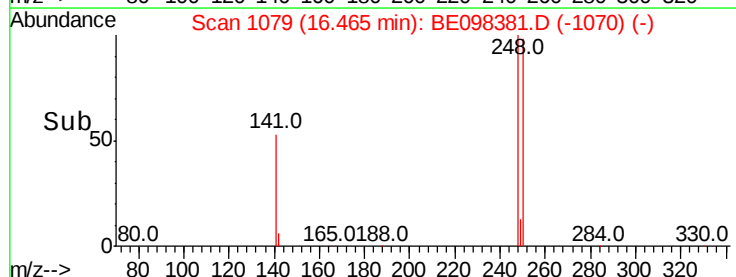
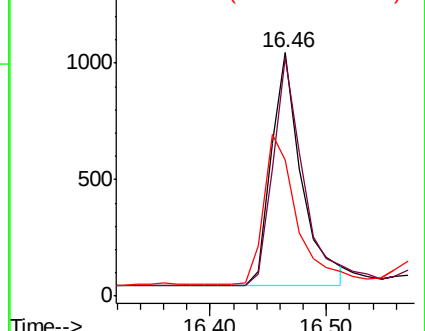
141 55.8 62.1 93.1#



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

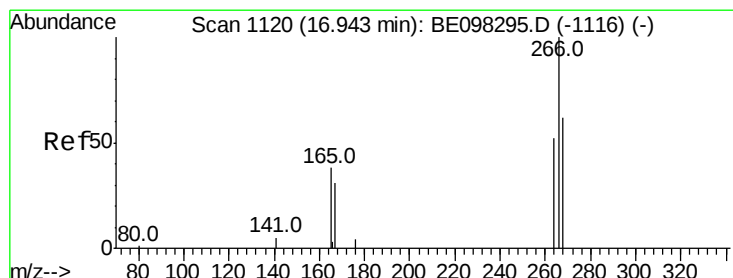
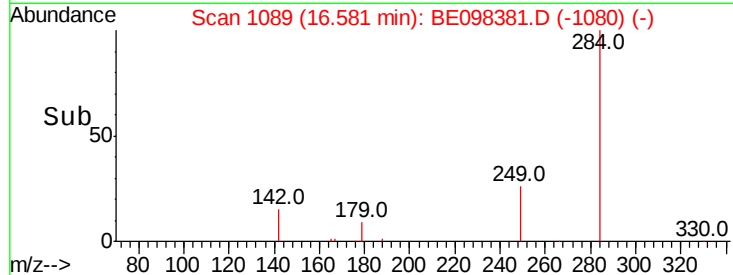
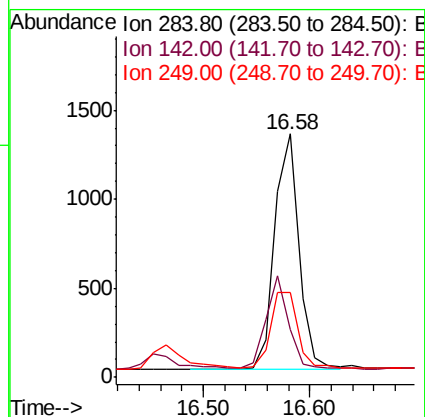
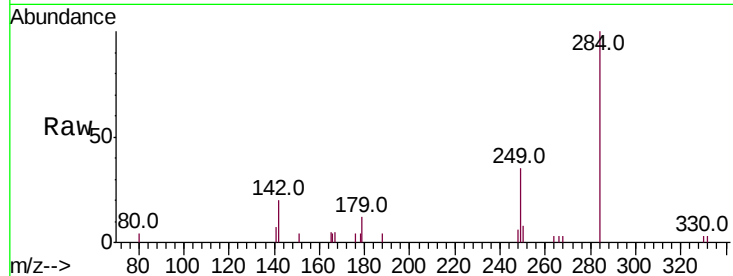




#21  
Hexachlorobenzene  
Concen: 0.378 ng  
RT: 16.58 min Scan# 1089  
Delta R.T. -0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

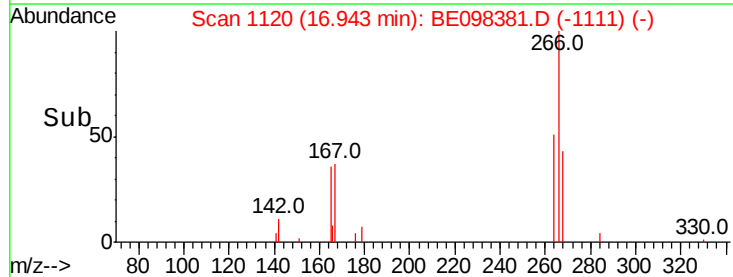
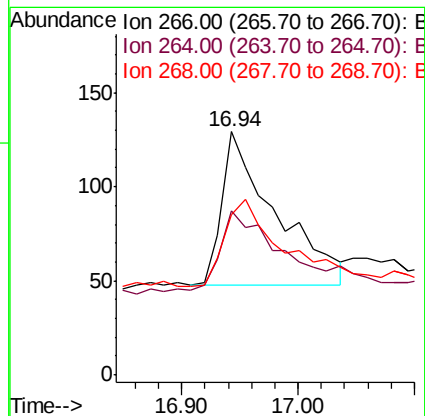
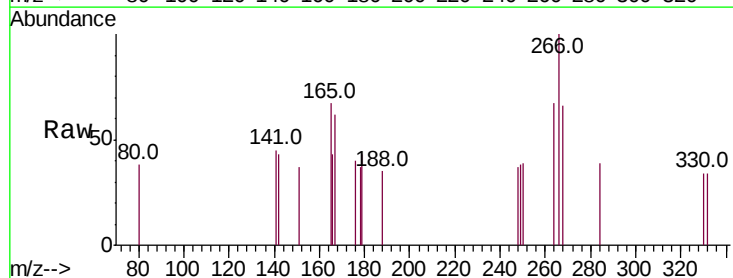
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

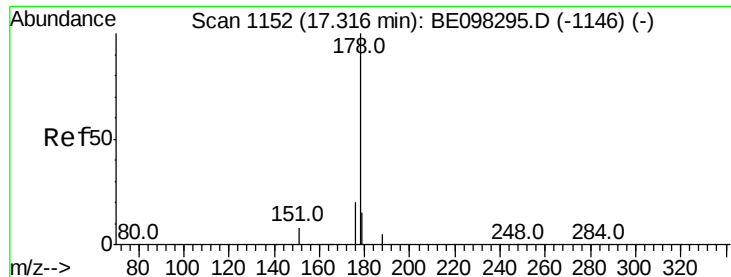
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.9  | 26.3  | 39.5  |
| 249     | 35.3  | 26.0  | 39.0  |



#22  
Pentachlorophenol  
Concen: 0.300 ng  
RT: 16.94 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE098381.D  
Acq: 13 Dec 2018 3:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 67.4  | 59.0  | 88.4  |
| 268     | 65.9  | 55.1  | 82.7  |





#23

Phenanthrene

Concen: 0.371 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

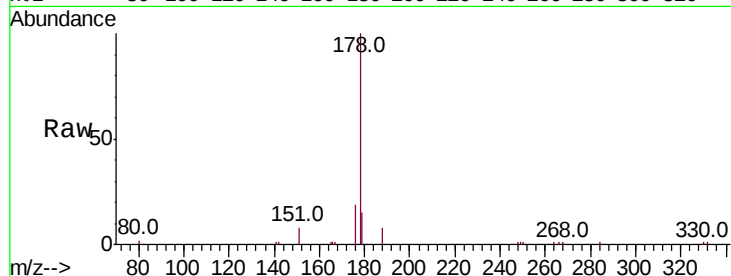
Tot Ion:178 Resp: 8652

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

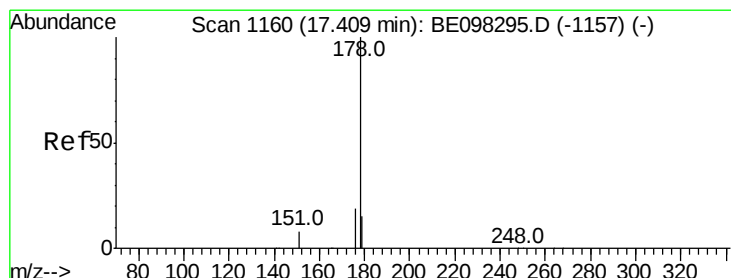
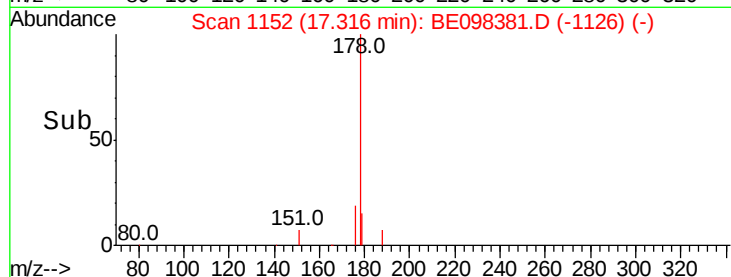
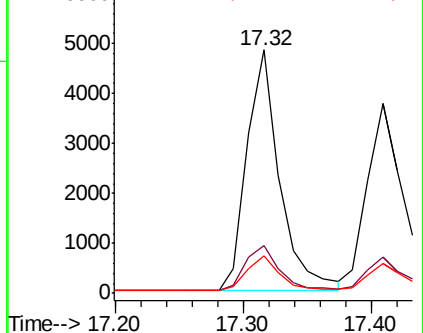
179 14.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.340 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

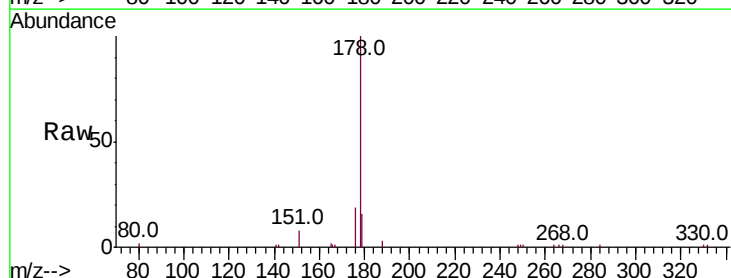
Tgt Ion:178 Resp: 7062

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.4

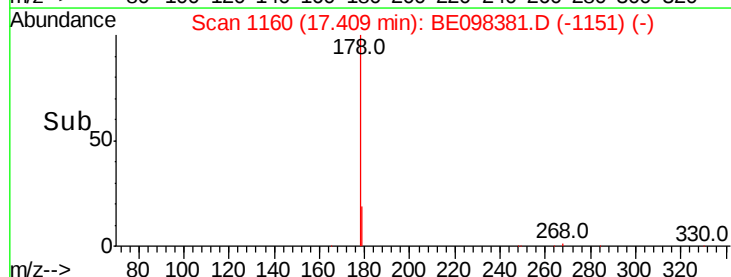
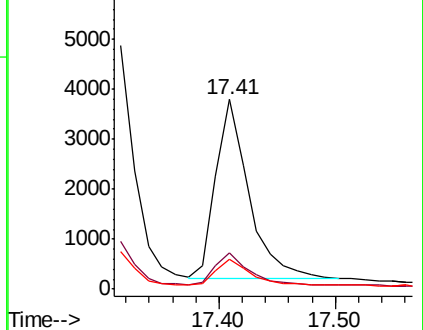
179 14.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

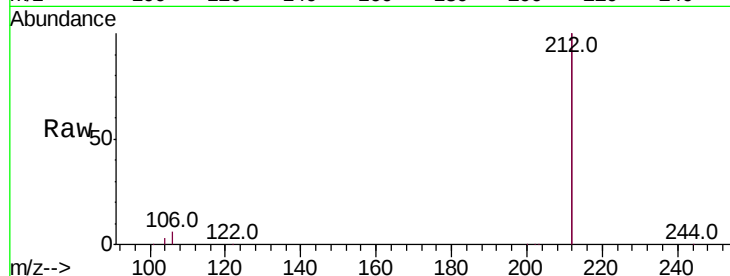
Tot Ion:212 Resp: 46979

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

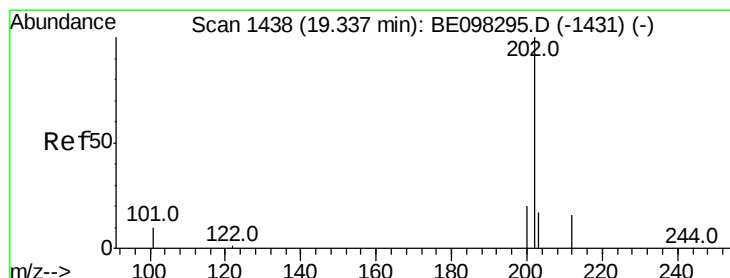
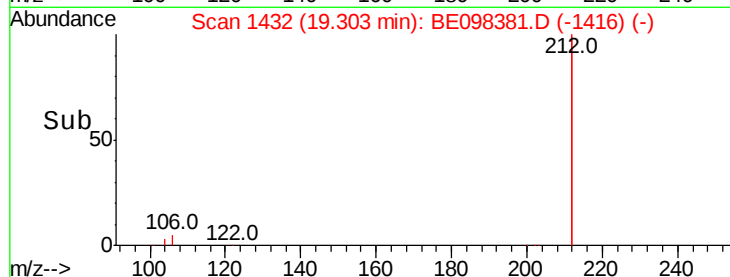
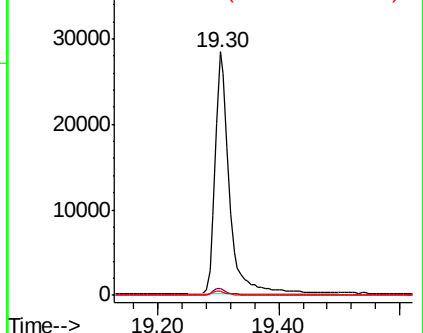
104 1.5 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.388 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

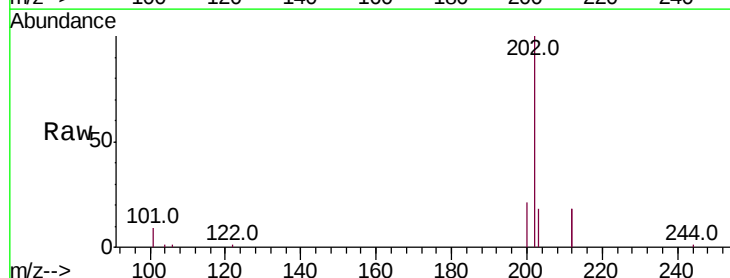
Tgt Ion:202 Resp: 11973

Ion Ratio Lower Upper

202 100

101 9.6 8.0 12.0

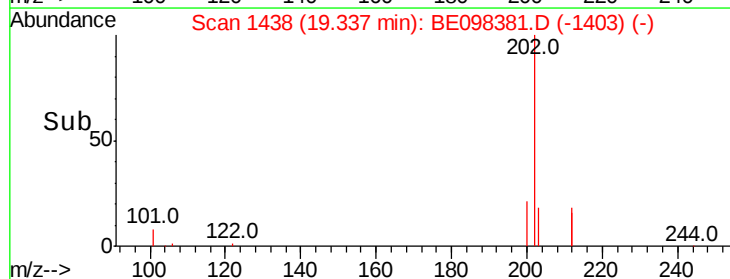
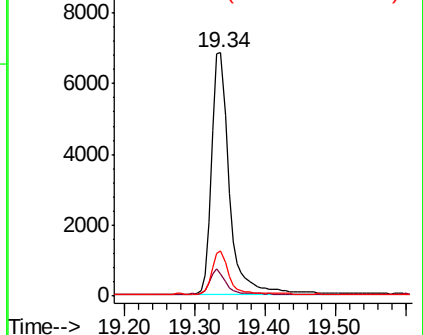
203 16.6 13.8 20.6



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

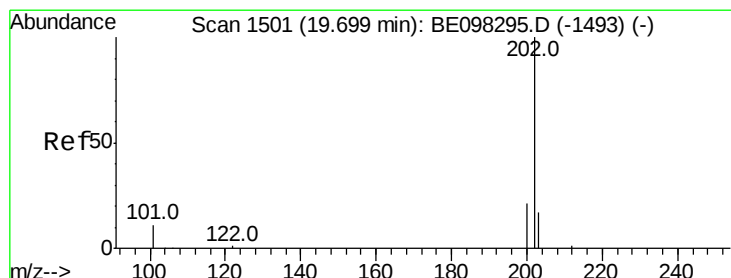
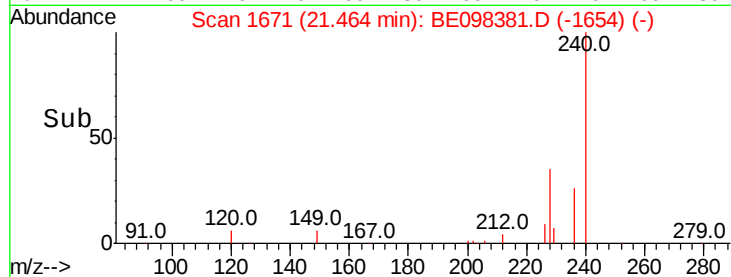
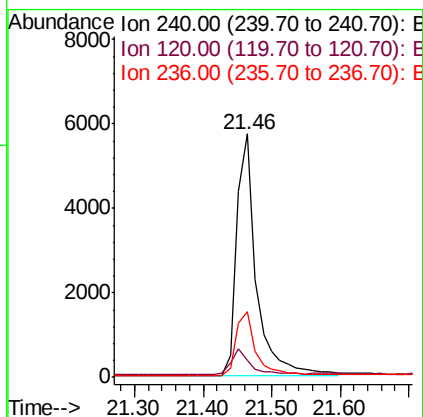
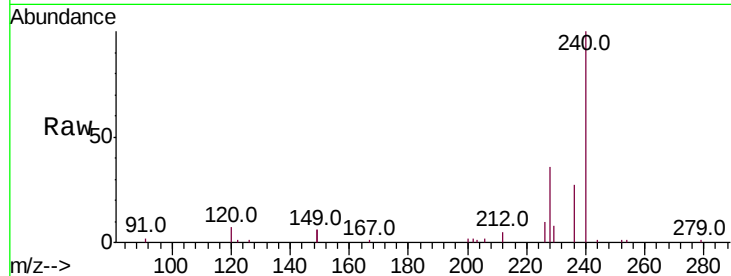




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.46 min Scan# 1671  
 Delta R.T. 0.00 min  
 Lab File: BE098381.D  
 Acq: 13 Dec 2018 3:25

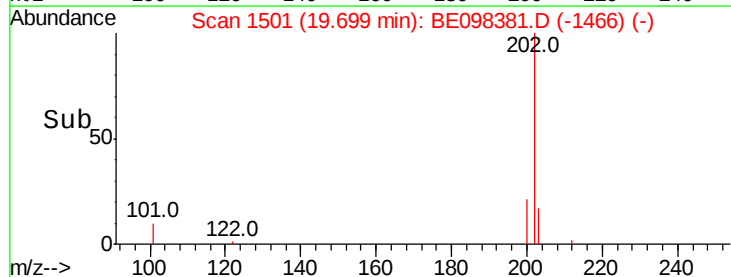
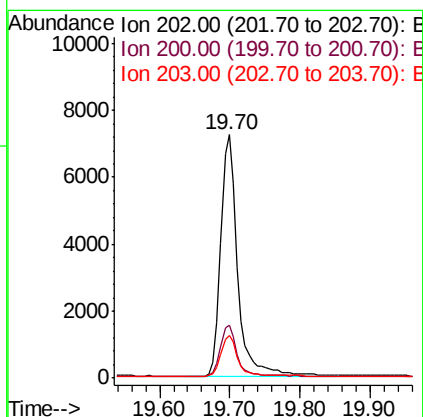
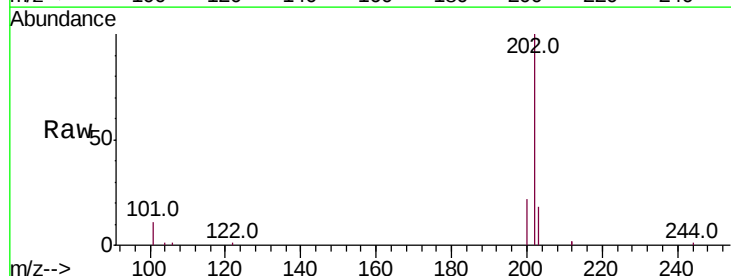
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion:240 Resp: 11345  
 Ion Ratio Lower Upper  
 240 100  
 120 6.8 9.5 14.3#  
 236 27.0 22.7 34.1



#28  
 Pyrene  
 Concen: 0.339 ng  
 RT: 19.70 min Scan# 1501  
 Delta R.T. -0.00 min  
 Lab File: BE098381.D  
 Acq: 13 Dec 2018 3:25

Tgt Ion:202 Resp: 12052  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 16.7 25.1  
 203 16.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.324 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

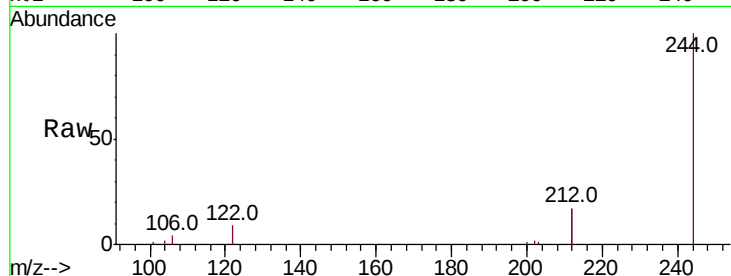
Tot Ion:244 Resp: 8941

Ion Ratio Lower Upper

244 100

212 34.0 27.4 41.0

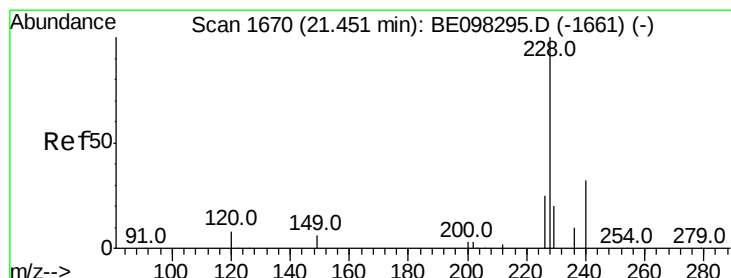
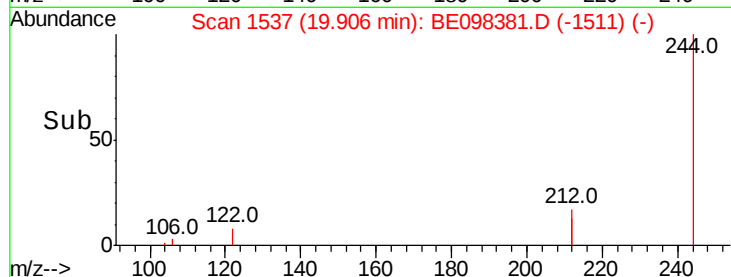
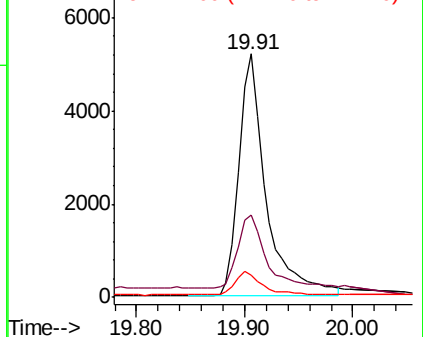
122 9.1 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.359 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

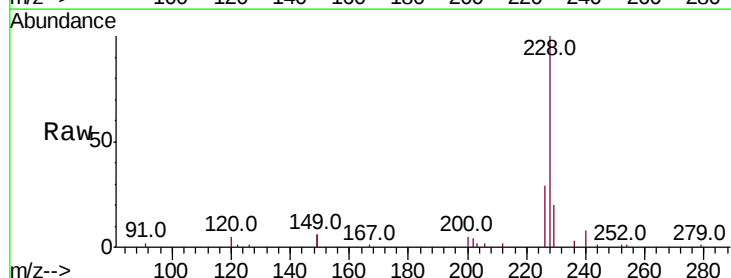
Tgt Ion:228 Resp: 11605

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

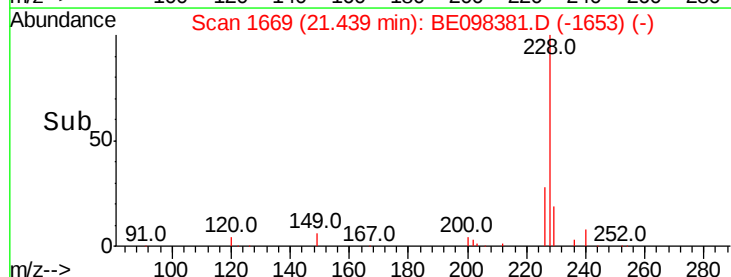
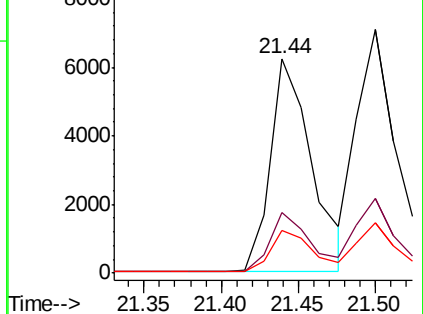
229 19.7 16.3 24.5



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

Chrysene

Concen: 0.376 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

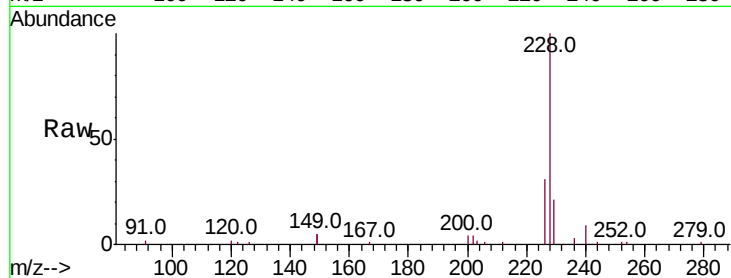
Tot Ion:228 Resp: 12739

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

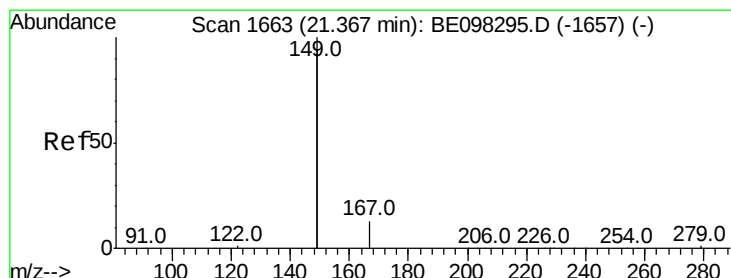
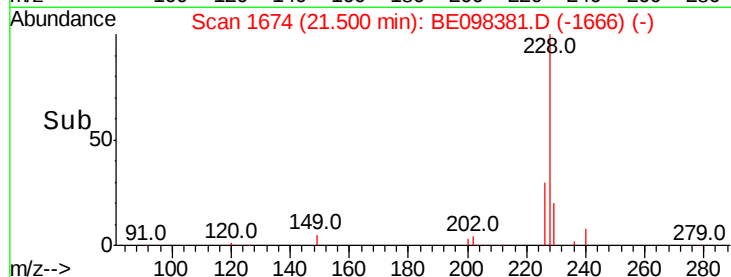
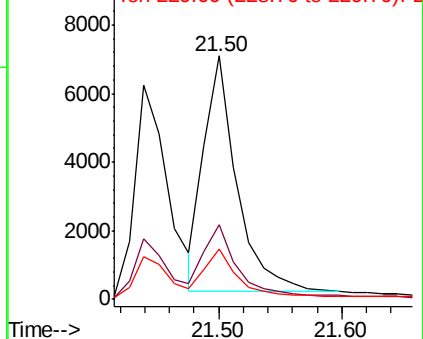
229 20.6 16.2 24.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.330 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

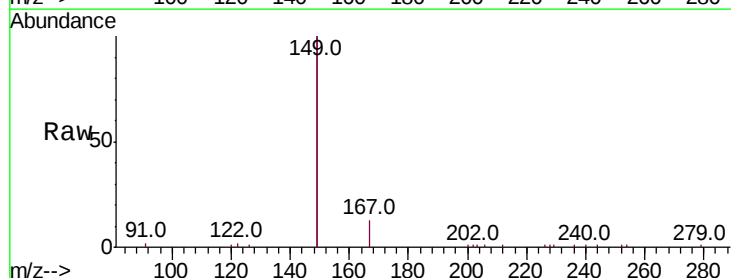
Tgt Ion:149 Resp: 21653

Ion Ratio Lower Upper

149 100

167 6.8 5.7 8.5

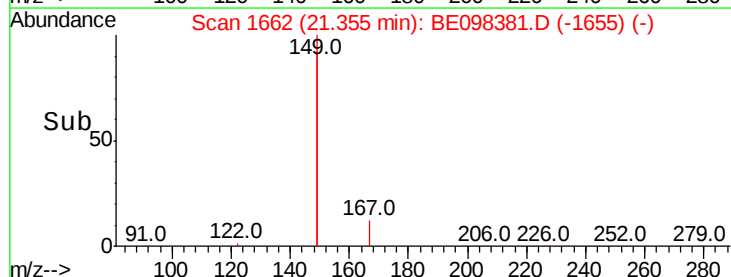
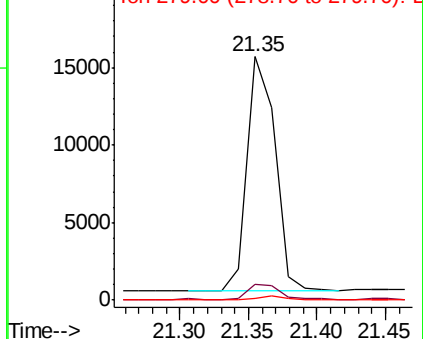
279 1.0 1.0 1.4#

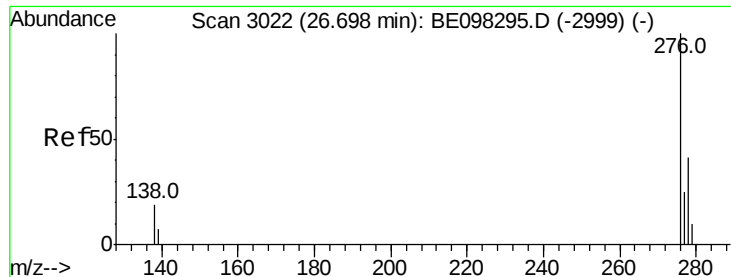


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

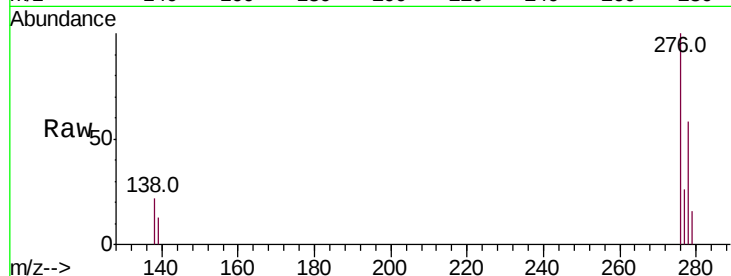




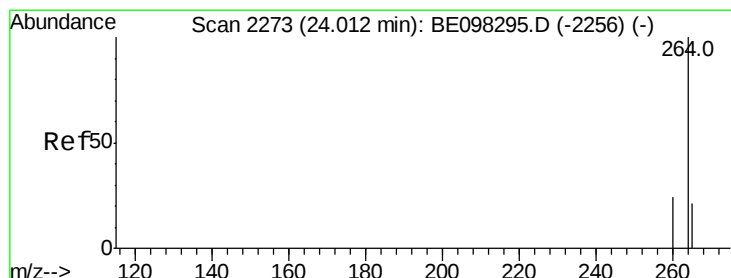
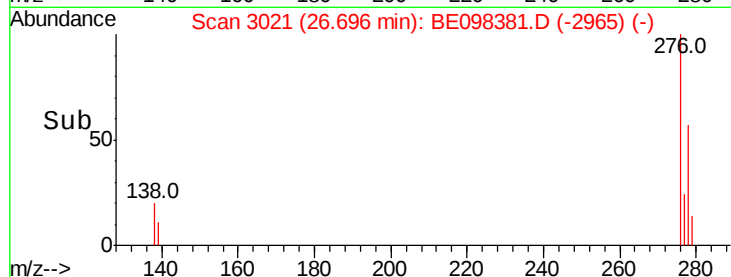
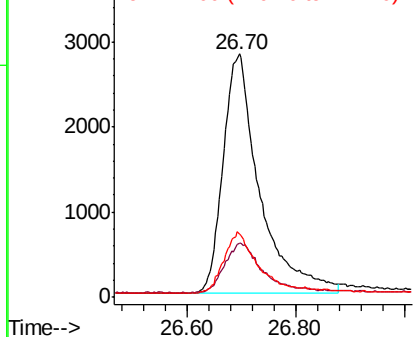
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.390 ng  
 RT: 26.70 min Scan# 3021  
 Delta R.T. -0.00 min  
 Lab File: BE098381.D  
 Acq: 13 Dec 2018 3:25

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4

Tot Ion:276 Resp: 13146  
 Ion Ratio Lower Upper  
 276 100  
 138 21.0 16.3 24.5  
 277 23.3 20.2 30.4

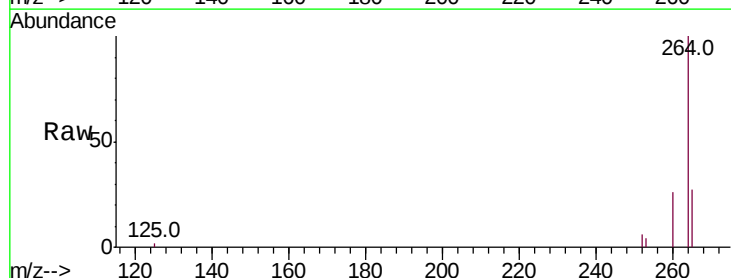


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

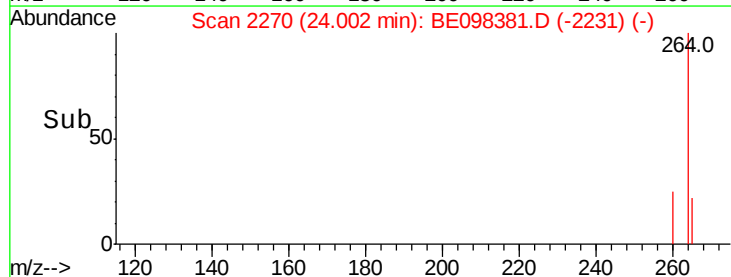
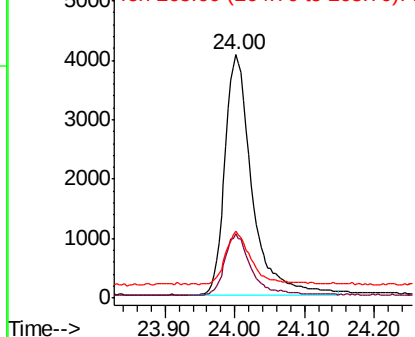


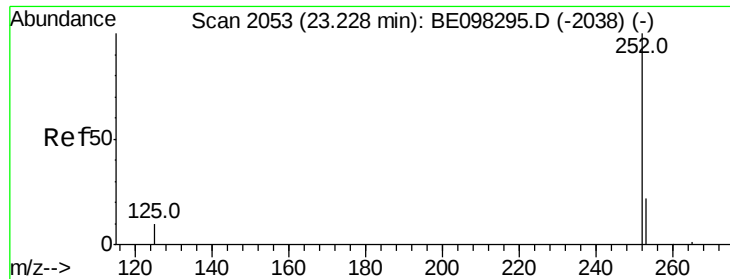
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.00 min Scan# 2270  
 Delta R.T. -0.01 min  
 Lab File: BE098381.D  
 Acq: 13 Dec 2018 3:25

Tgt Ion:264 Resp: 10913  
 Ion Ratio Lower Upper  
 264 100  
 260 26.2 20.2 30.2  
 265 27.4 25.2 37.8



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





#35

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 23.22 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

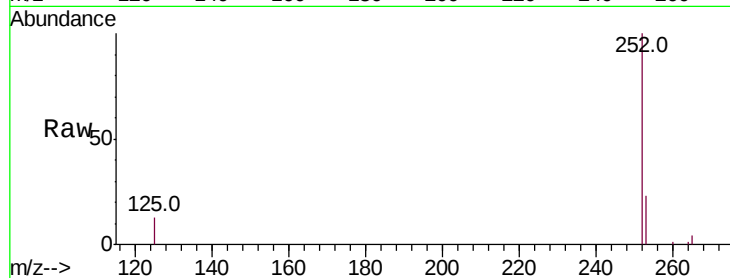
Tot Ion:252 Resp: 10845

Ion Ratio Lower Upper

252 100

253 23.4 20.0 30.0

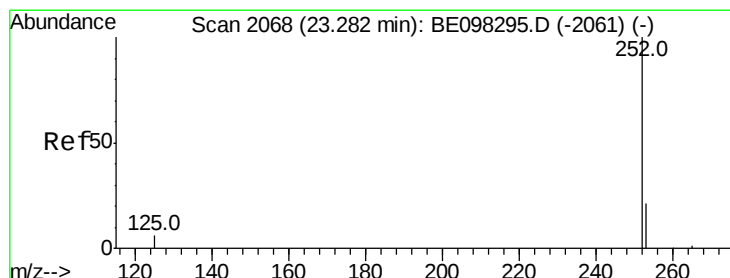
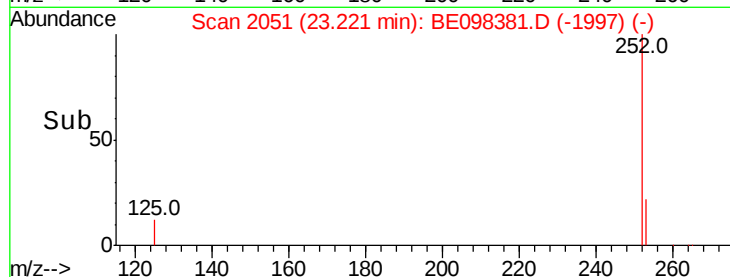
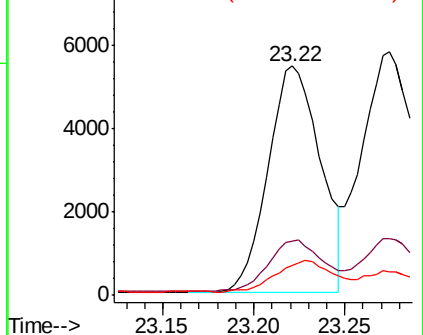
125 13.1 9.6 14.4



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



#36

Benzo(k)fluoranthene

Concen: 0.386 ng

RT: 23.27 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

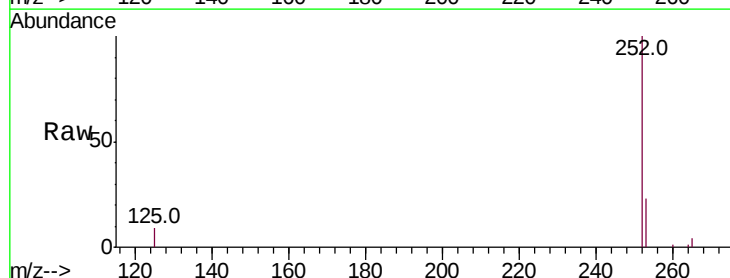
Tgt Ion:252 Resp: 13435

Ion Ratio Lower Upper

252 100

253 23.3 19.0 28.6

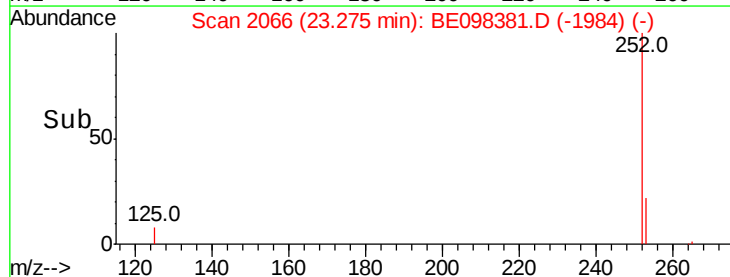
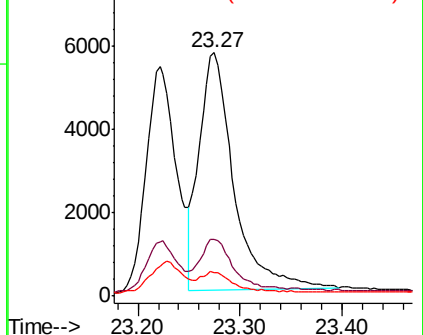
125 9.4 9.1 13.7



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





#37

Benzo(a)pyrene

Concen: 0.366 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

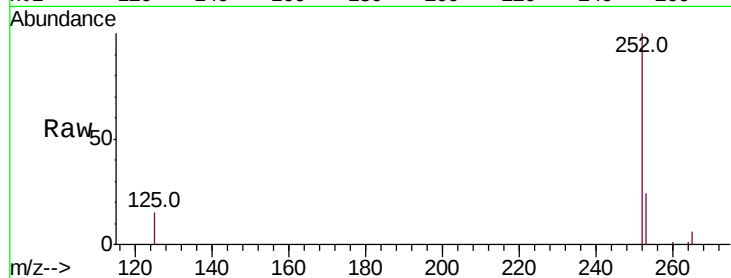
Tot Ion:252 Resp: 11283

Ion Ratio Lower Upper

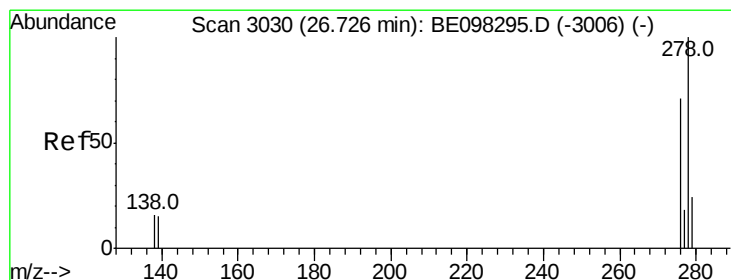
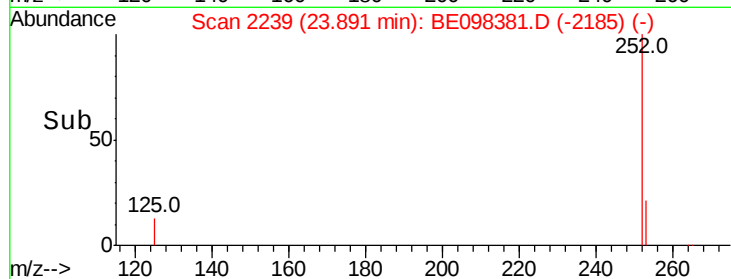
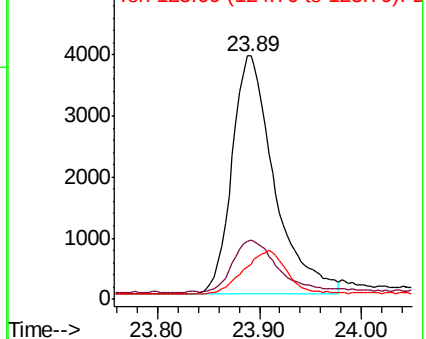
252 100

253 24.1 20.6 30.8

125 14.6 10.5 15.7



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

Dibenzo(a,h)anthracene

Concen: 0.368 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

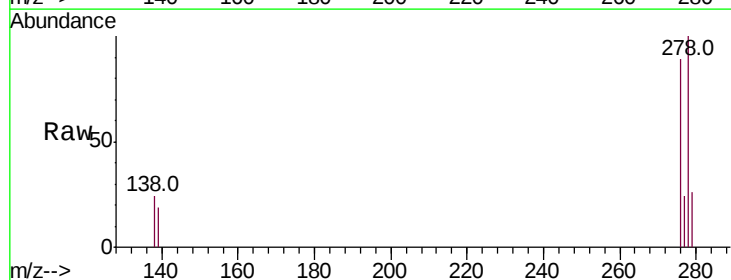
Tgt Ion:278 Resp: 10680

Ion Ratio Lower Upper

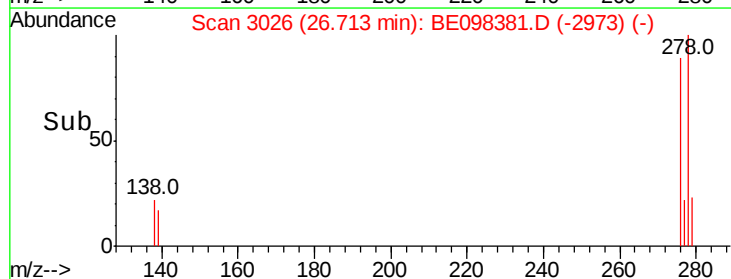
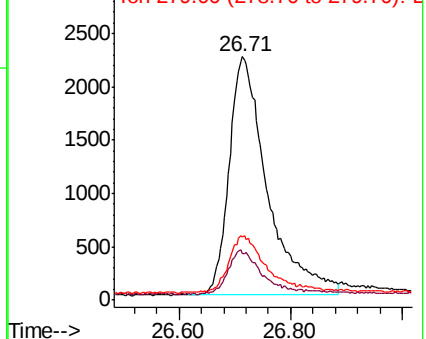
278 100

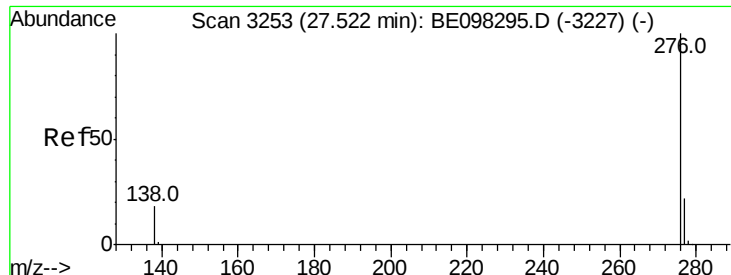
139 19.0 14.5 21.7

279 25.7 21.8 32.8



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





#39

Benzo(a,h,i)perylene

Concen: 0.376 ng

RT: 27.51 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BE098381.D

Acq: 13 Dec 2018 3:25

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

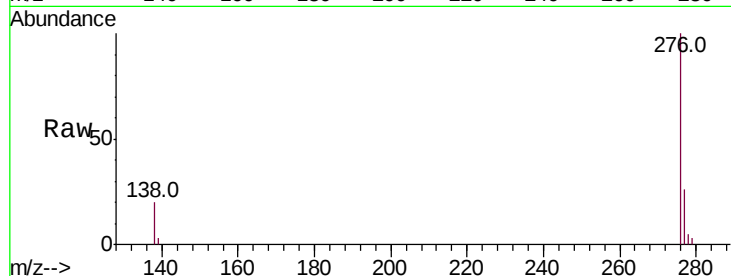
Tot Ion:276 Resp: 10988

Ion Ratio Lower Upper

276 100

277 25.6 20.8 31.2

138 20.2 15.8 23.6



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

