

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\  
 Data File : BE097062.D  
 Acq On : 24 Jul 2018 7:37  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Jul 24 08:22:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 11:34:20 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 1701     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 8592     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.01 | 164  | 5576     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.76 | 188  | 15334    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 15594    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 15161    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.05  | 112 | 2069  | 0.51 | ng | 0.00 |
| 5) Phenol-d6                | 6.60  | 99  | 3128  | 0.50 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.52  | 82  | 3042  | 0.49 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152 | 4987  | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330 | 813   | 0.61 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.63 | 172 | 7475  | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.81 | 212 | 61136 | 0.46 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.43 | 244 | 11644 | 0.39 | ng | 0.00 |

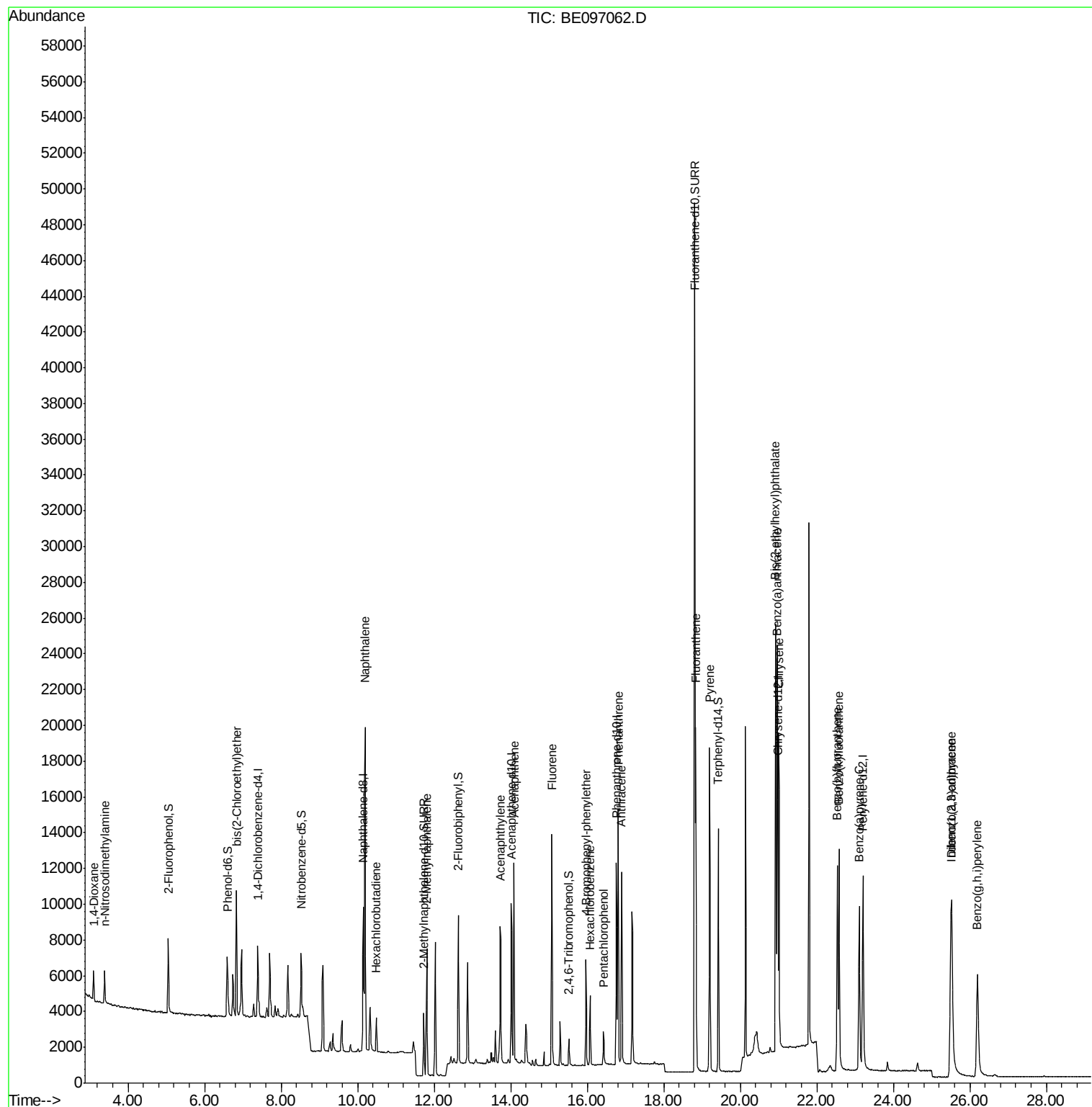
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.10  | 88  | 1039  | 0.427  | ng | # 88 |
| 3) n-Nitrosodimethylamine      | 3.38  | 42  | 1190  | 0.434  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 2498  | 0.410  | ng | 96   |
| 9) Naphthalene                 | 10.20 | 128 | 30548 | 0.397  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.48 | 225 | 1340  | 0.431  | ng | 98   |
| 12) 2-Methylnaphthalene        | 11.81 | 142 | 5199  | 0.399  | ng | 99   |
| 16) Acenaphthylene             | 13.73 | 152 | 9647  | 0.379  | ng | 99   |
| 17) Acenaphthene               | 14.08 | 154 | 5888  | 0.372  | ng | 96   |
| 18) Fluorene                   | 15.08 | 166 | 7633  | 0.429  | ng | # 79 |
| 20) 4-Bromophenyl-phenylether  | 15.97 | 248 | 2831  | 0.390  | ng | # 83 |
| 21) Hexachlorobenzene          | 16.08 | 284 | 3058  | 0.380  | ng | # 83 |
| 22) Pentachlorophenol          | 16.43 | 266 | 1050  | 0.772  | ng | # 75 |
| 23) Phenanthrene               | 16.81 | 178 | 14458 | 0.394  | ng | 98   |
| 24) Anthracene                 | 16.89 | 178 | 12912 | 0.404  | ng | 96   |
| 26) Fluoranthene               | 18.84 | 202 | 16397 | 0.423  | ng | 98   |
| 28) Pyrene                     | 19.20 | 202 | 16732 | 0.363  | ng | 99   |
| 30) Benzo(a)anthracene         | 20.95 | 228 | 15789 | 0.425  | ng | 98   |
| 31) Chrysene                   | 21.00 | 228 | 16618 | 0.399  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149 | 29151 | 0.786  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 16916 | 0.558  | ng | # 93 |
| 35) Benzo(b)fluoranthene       | 22.53 | 252 | 14726 | 0.381  | ng | # 88 |
| 36) Benzo(k)fluoranthene       | 22.58 | 252 | 17021 | 0.370  | ng | 96   |
| 37) Benzo(a)pyrene             | 23.11 | 252 | 14573 | 0.432  | ng | # 92 |
| 38) Dibenzo(a,h)anthracene     | 25.53 | 278 | 14024 | 0.488  | ng | # 95 |
| 39) Benzo(g,h,i)perylene       | 26.20 | 276 | 14540 | 0.462  | ng | # 90 |

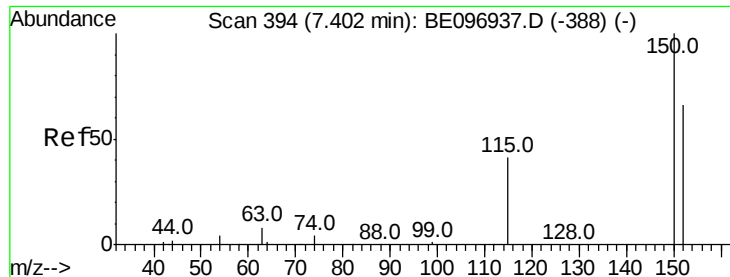
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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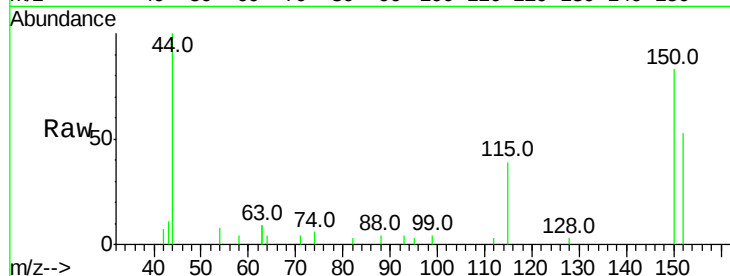


#1

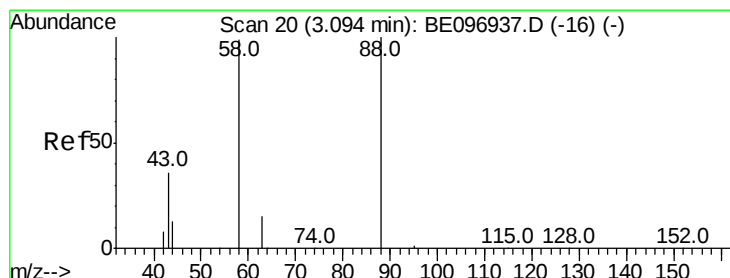
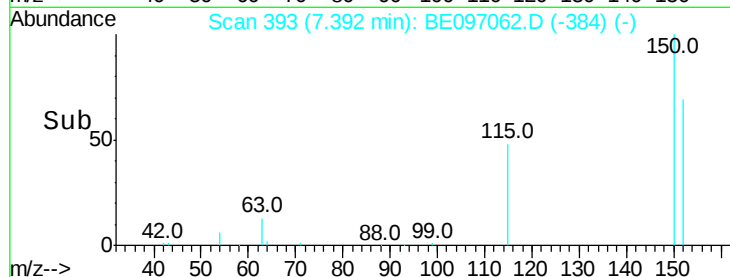
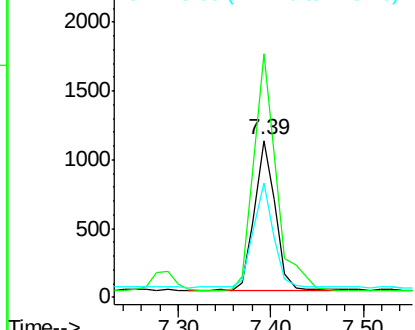
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. 0.00 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 1701  
Ion Ratio Lower Upper  
152 100  
150 155.4 117.2 175.8  
115 72.6 57.0 85.6



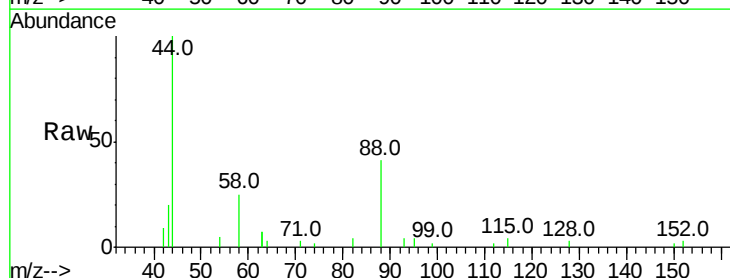
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



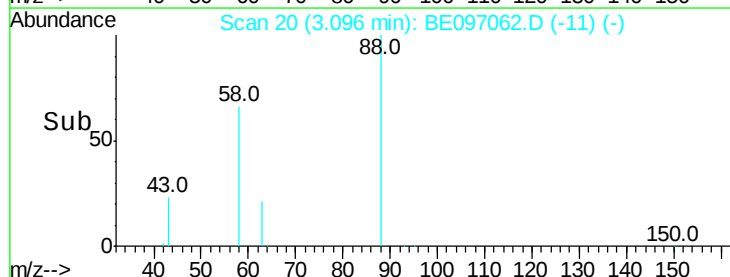
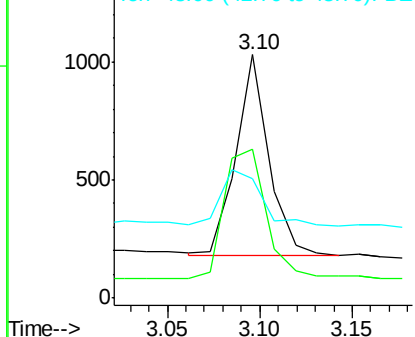
#2

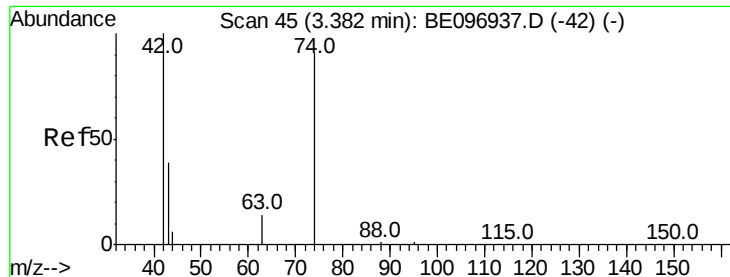
1,4-Dioxane  
Concen: 0.427 ng  
RT: 3.10 min Scan# 20  
Delta R.T. 0.00 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

Tgt Ion: 88 Resp: 1039  
Ion Ratio Lower Upper  
88 100  
58 84.2 63.2 94.8  
43 35.8 41.2 61.8#



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



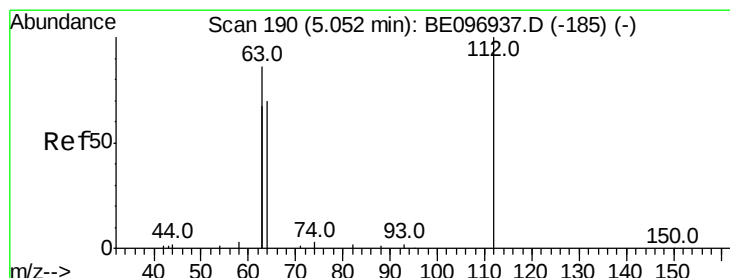
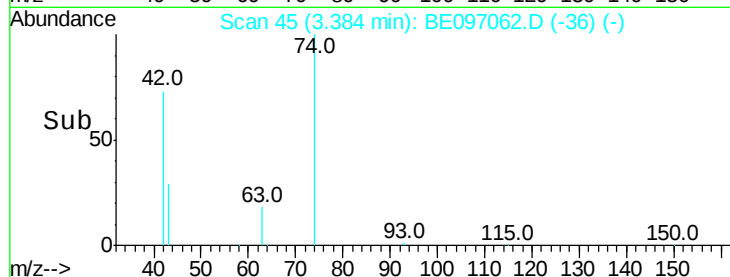
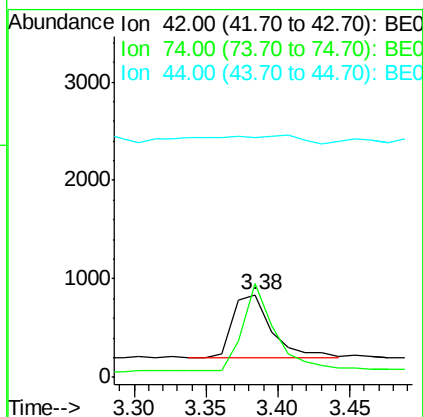
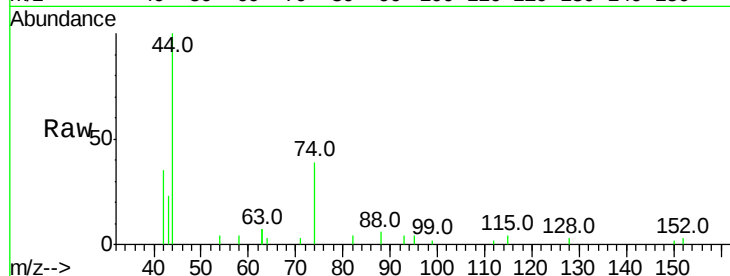


#3

n-Nitrosodimethylamine  
 Concen: 0.434 ng  
 RT: 3.38 min Scan# 45  
 Delta R.T. 0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

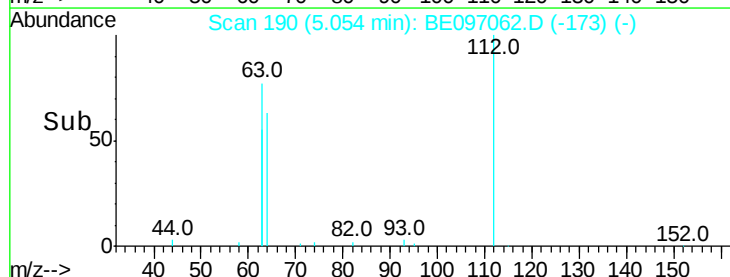
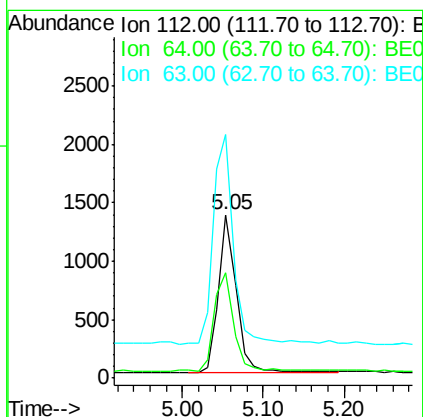
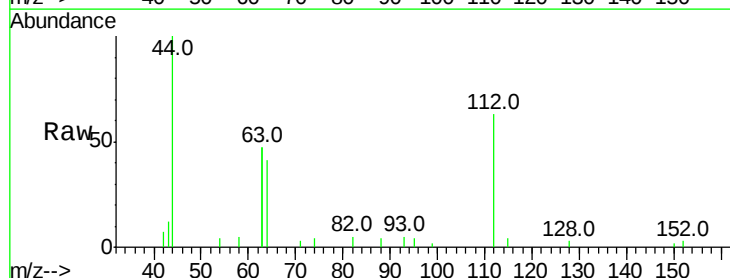
Tot Ion: 42 Resp: 1190  
 Ion Ratio Lower Upper  
 42 100  
 74 118.7 96.0 144.0  
 44 0.0 12.0 18.0#

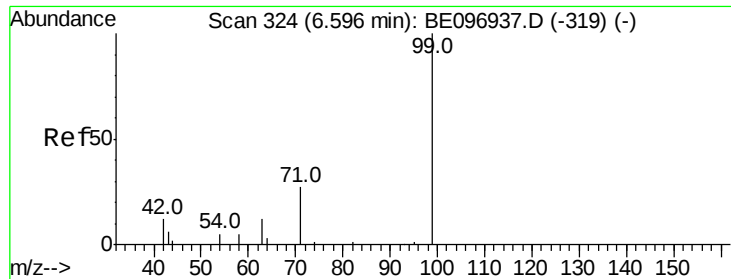


#4

2-Fluorophenol  
 Concen: 0.508 ng  
 RT: 5.05 min Scan# 190  
 Delta R.T. 0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

Tgt Ion: 112 Resp: 2069  
 Ion Ratio Lower Upper  
 112 100  
 64 70.1 60.1 90.1  
 63 149.8 116.8 175.2





#5

Phenol-d6

Concen: 0.504 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

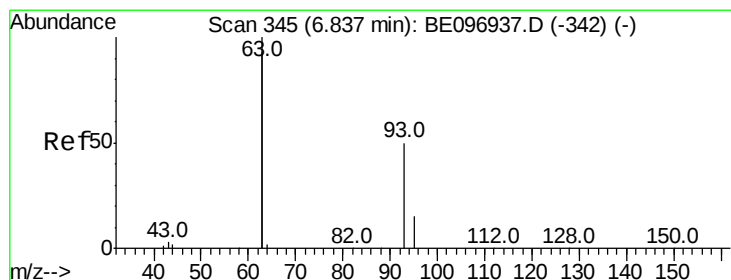
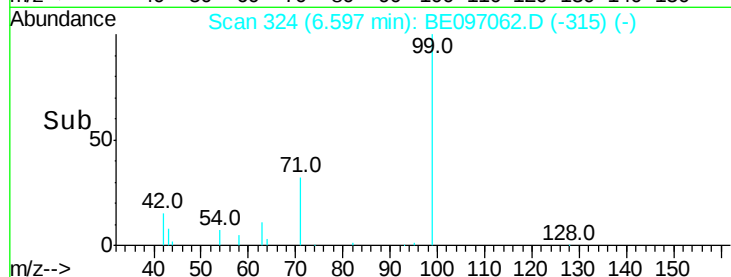
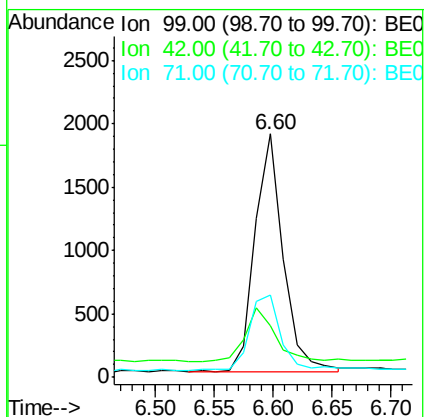
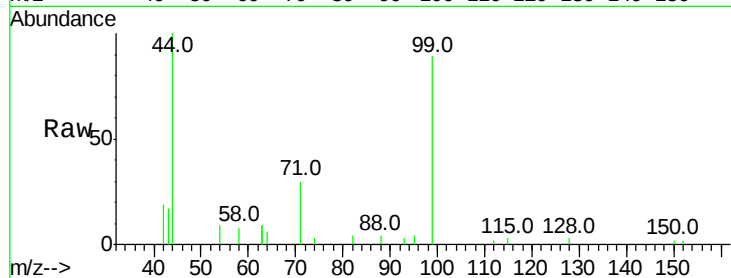
Tot Ion: 99 Resp: 3128

Ion Ratio Lower Upper

99 100

42 23.8 20.2 30.2

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.410 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

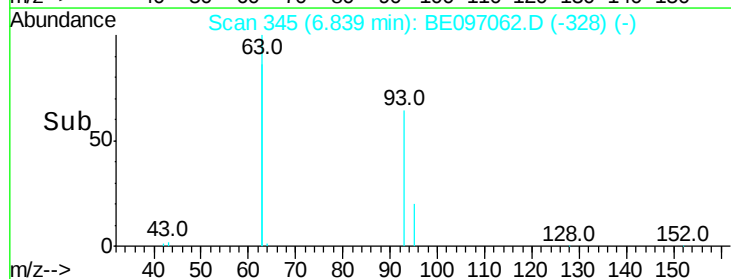
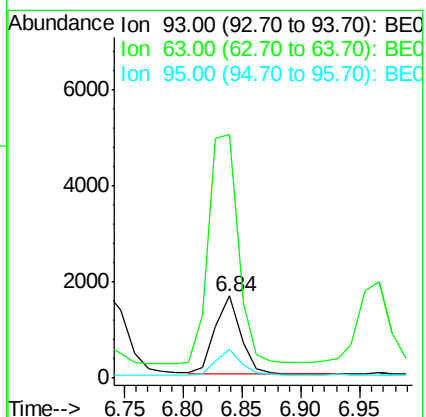
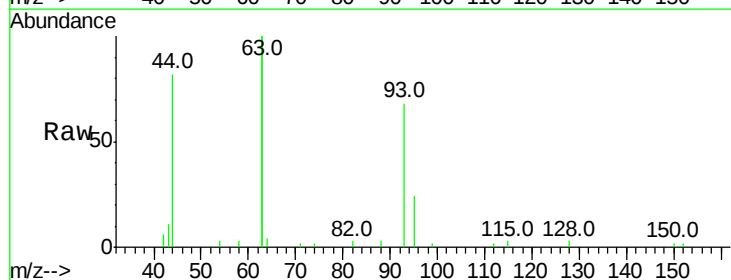
Tgt Ion: 93 Resp: 2498

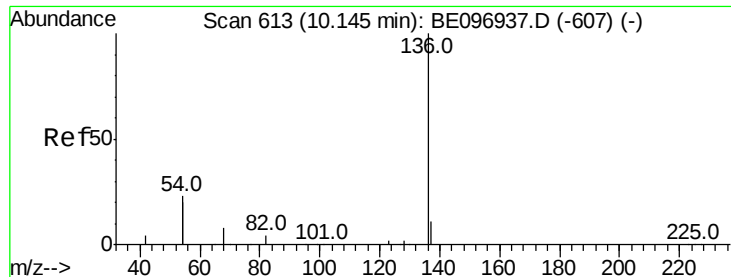
Ion Ratio Lower Upper

93 100

63 334.2 275.3 412.9

95 32.1 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 8592

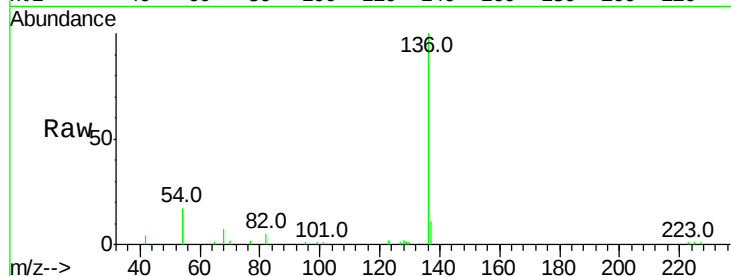
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 34.8 29.1 43.7

68 7.0 6.2 9.2

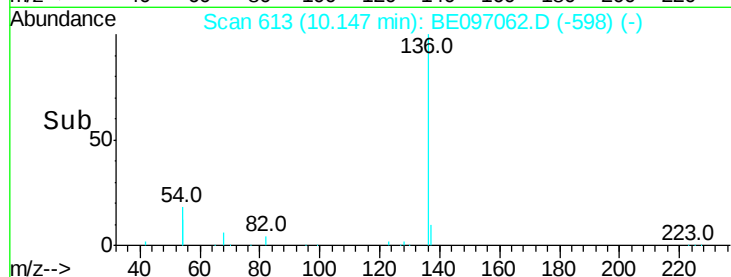


Abundance Ion 136.00 (135.70 to 136.70): E

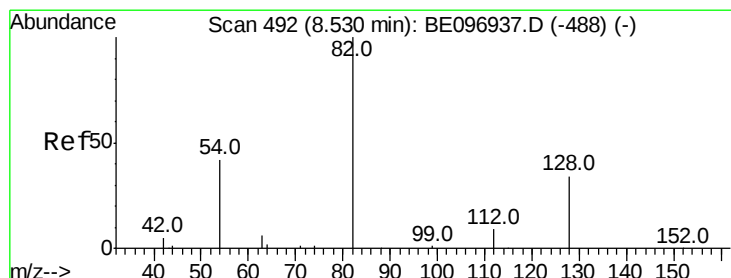
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.00 10.10 10.20 10.30



#8

Nitrobenzene-d5

Concen: 0.485 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

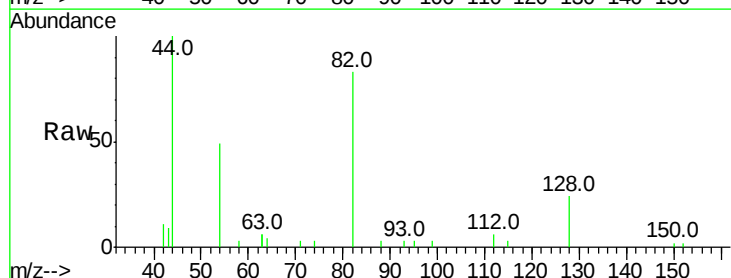
Tgt Ion: 82 Resp: 3042

Ion Ratio Lower Upper

82 100

128 28.8 24.0 36.0

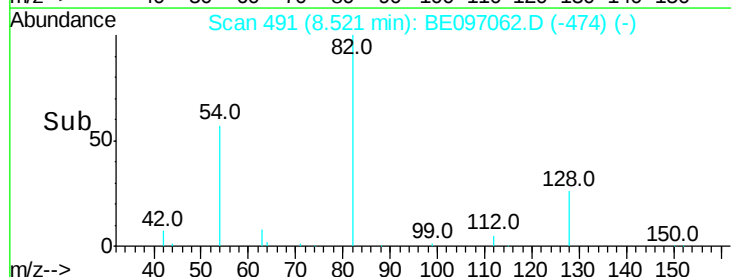
54 59.0 40.0 60.0



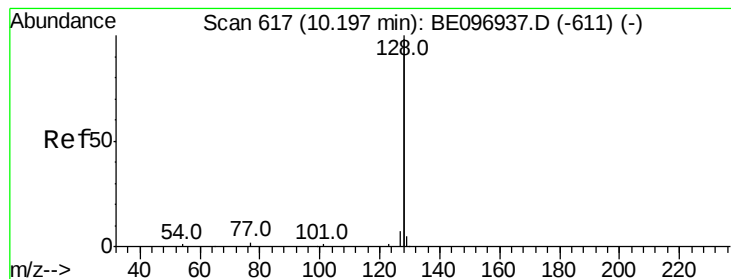
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.40 8.50 8.60



#9

Naphthalene

Concen: 0.397 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

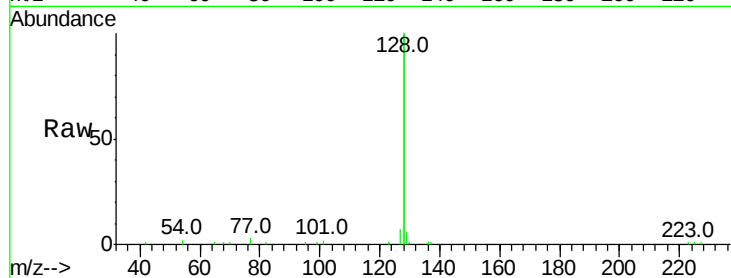
Tot Ion:128 Resp: 30548

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

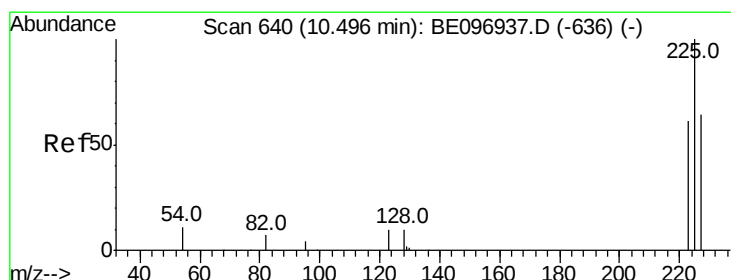
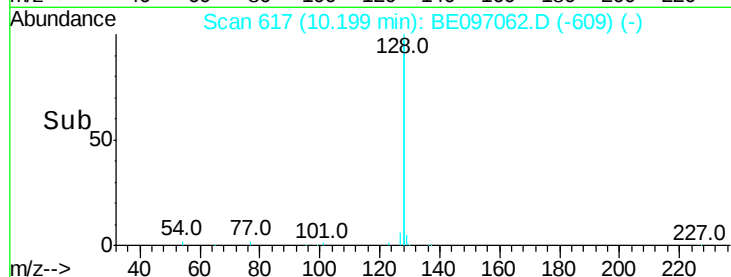
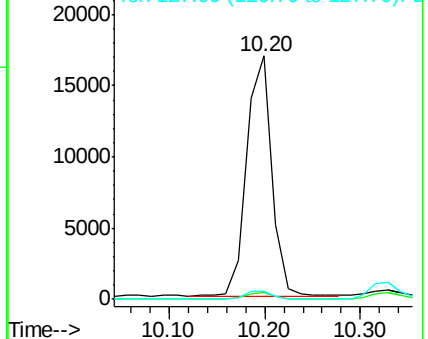
127 3.3 2.8 4.2



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: 0.431 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

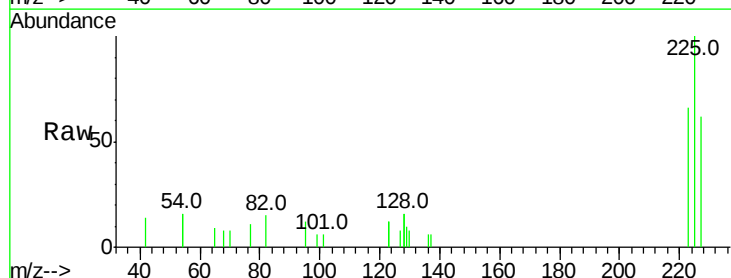
Tgt Ion:225 Resp: 1340

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

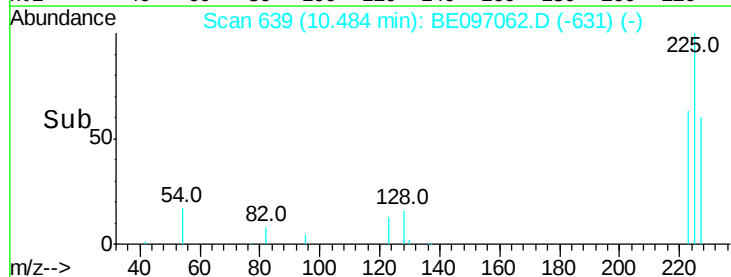
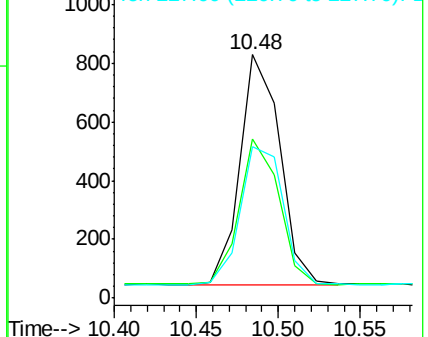
227 64.4 51.4 77.2

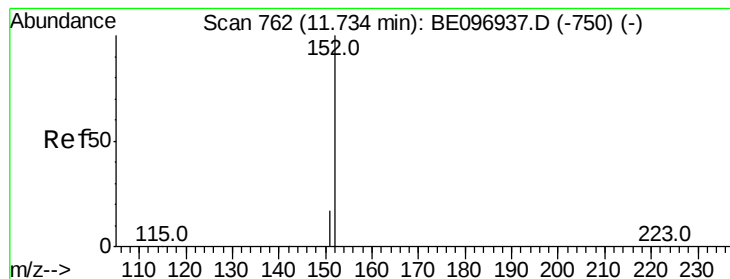


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

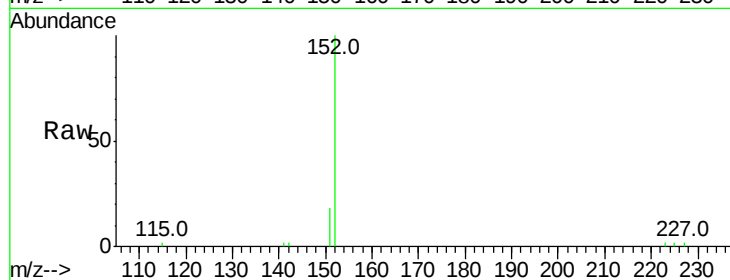
SSTDCCC0.4EC

Tot Ion:152 Resp: 4987

Ion Ratio Lower Upper

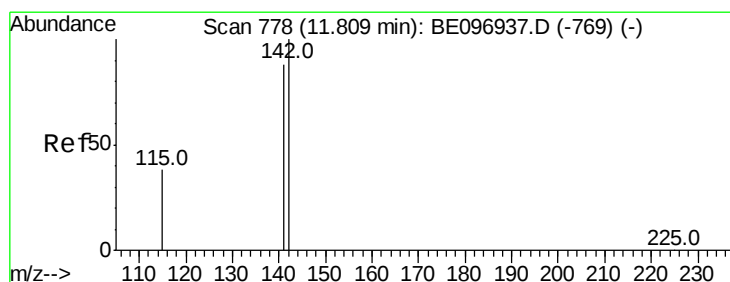
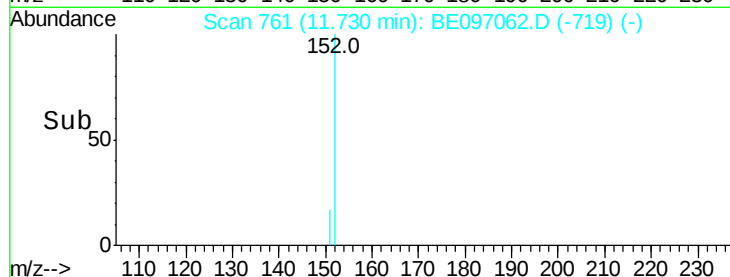
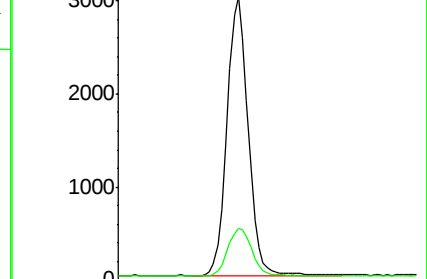
152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

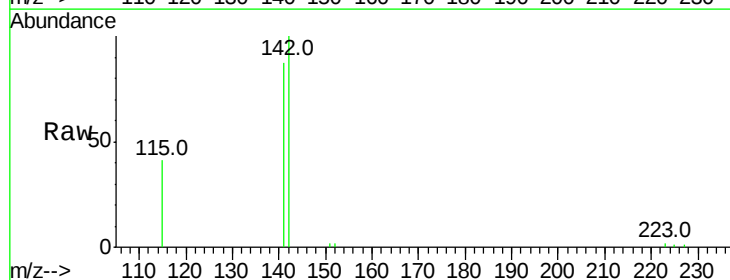
Tgt Ion:142 Resp: 5199

Ion Ratio Lower Upper

142 100

141 87.3 70.4 105.6

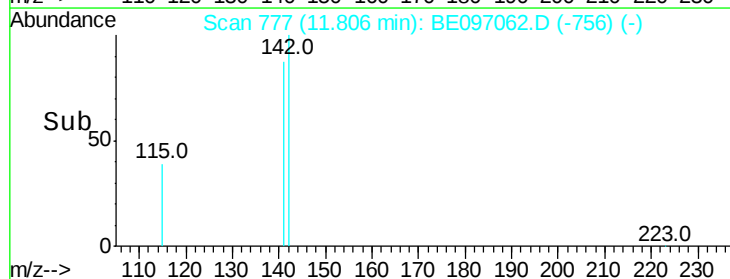
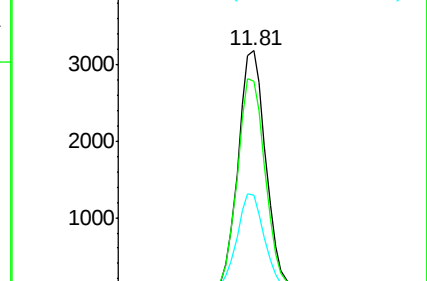
115 40.7 31.7 47.5

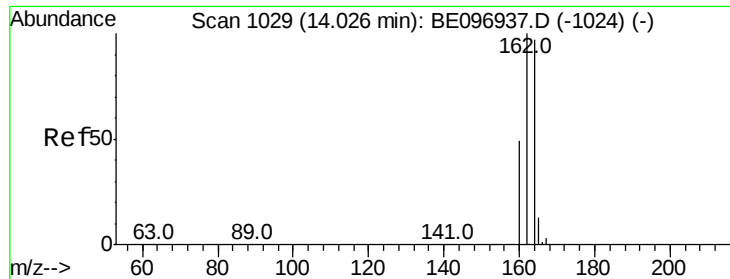


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

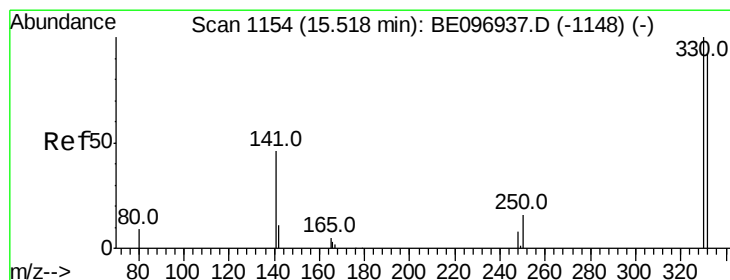
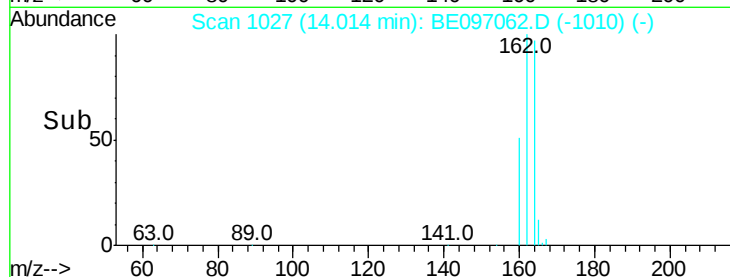
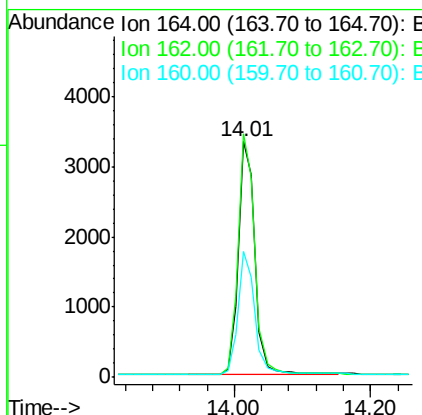
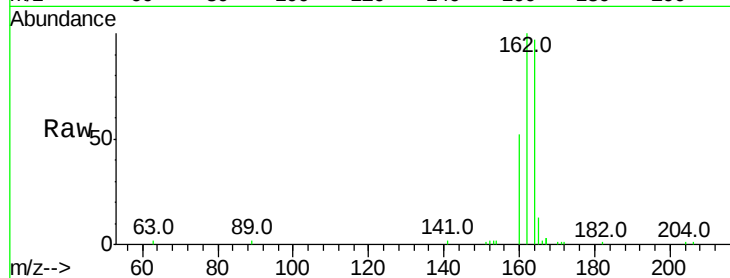




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.01 min Scan# 1027  
 Delta R.T. -0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

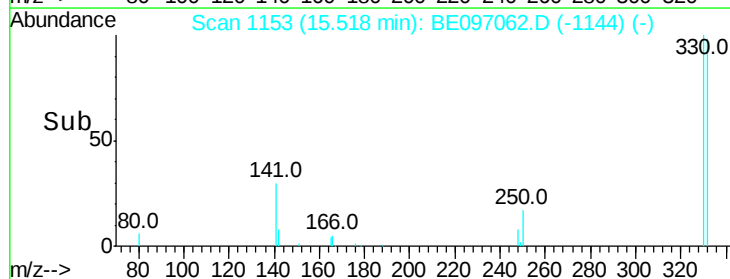
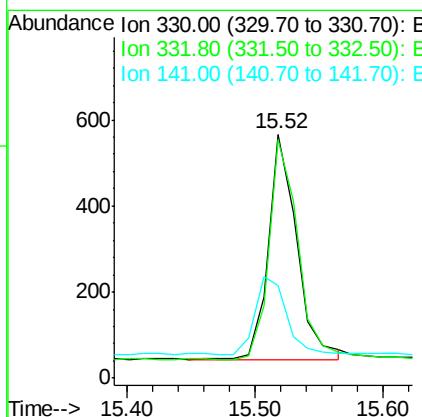
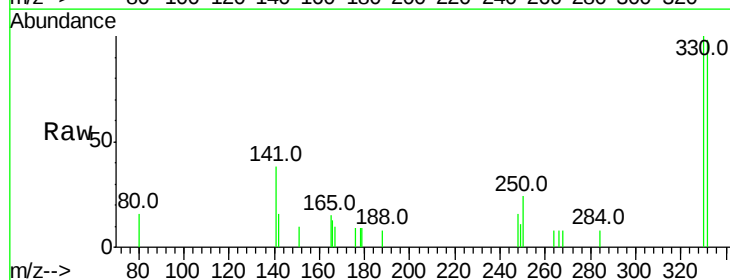
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

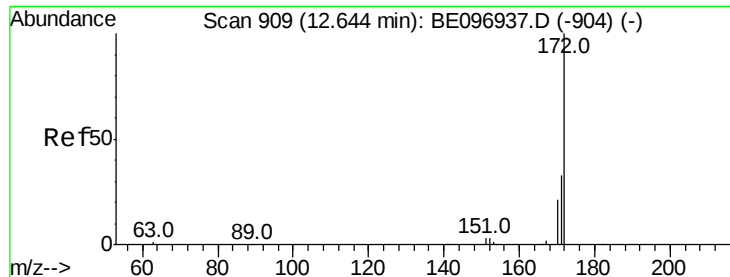
Tot Ion:164 Resp: 5576  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 83.1 124.7  
 160 53.2 37.1 55.7



#14  
 2,4,6-Tribromophenol  
 Concen: 0.615 ng  
 RT: 15.52 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

Tgt Ion:330 Resp: 813  
 Ion Ratio Lower Upper  
 330 100  
 332 98.9 152.7 229.1#  
 141 38.3 33.7 50.5

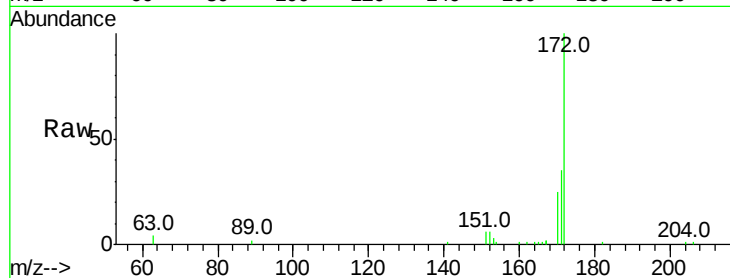




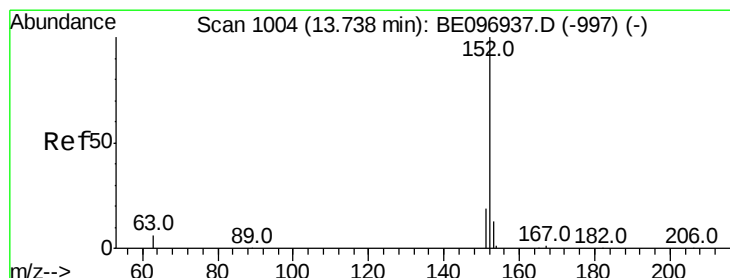
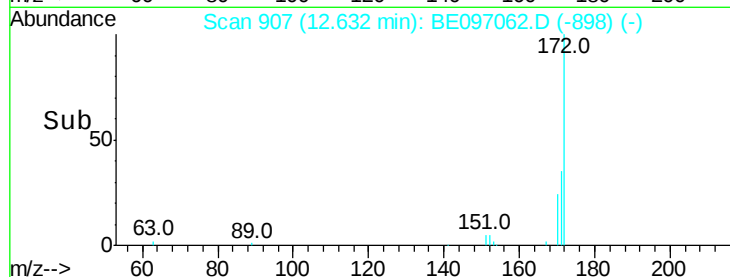
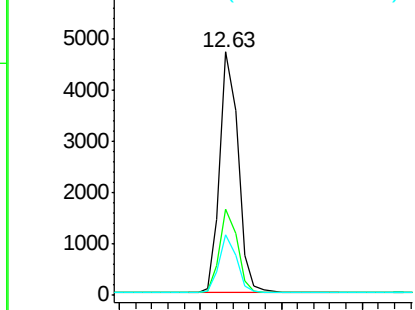
#15  
2-Fluorobiphenyl  
Concen: 0.360 ng  
RT: 12.63 min Scan# 907  
Delta R.T. -0.00 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:172 Resp: 7475  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.9 44.9  
170 24.9 21.8 32.8

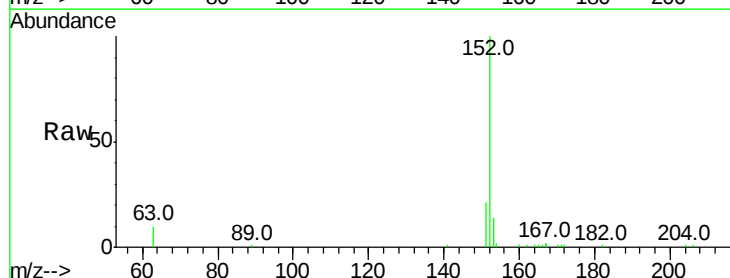


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

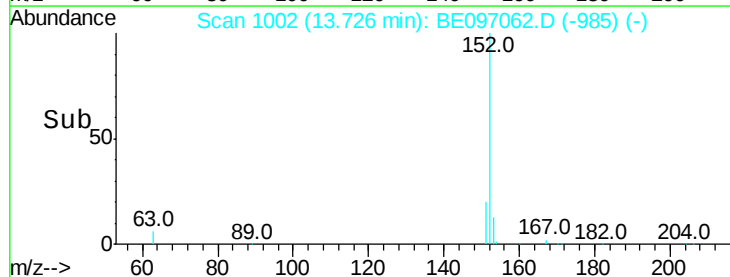
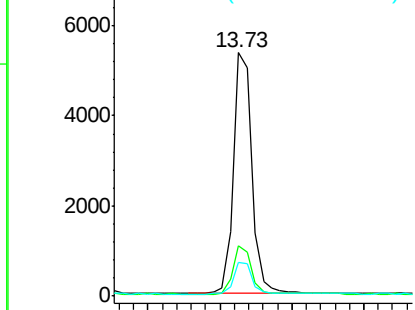


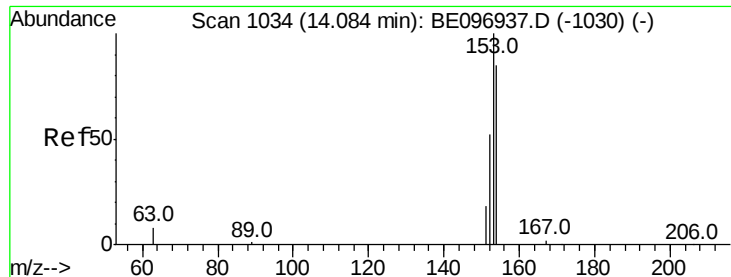
#16  
Acenaphthylene  
Concen: 0.379 ng  
RT: 13.73 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

Tgt Ion:152 Resp: 9647  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.4 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.372 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

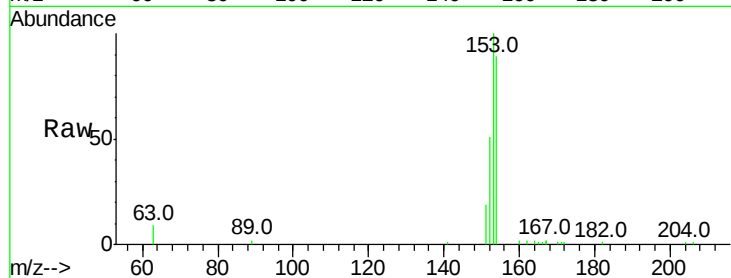
Tot Ion:154 Resp: 5888

Ion Ratio Lower Upper

154 100

153 113.2 89.2 133.8

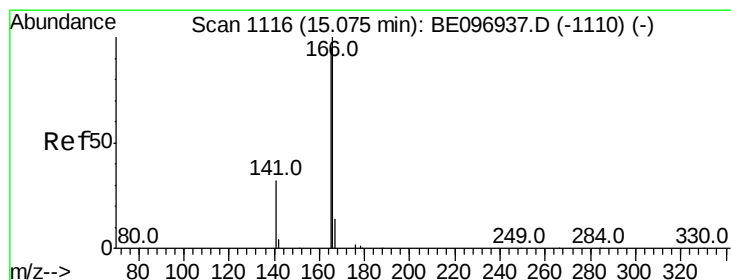
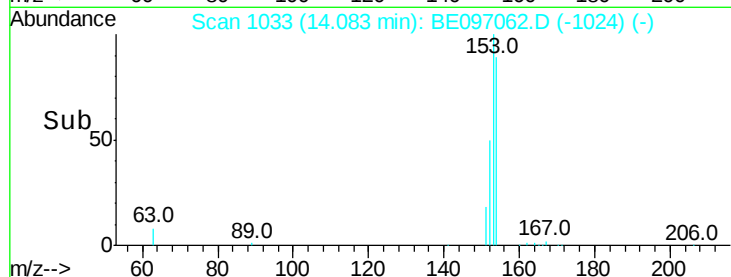
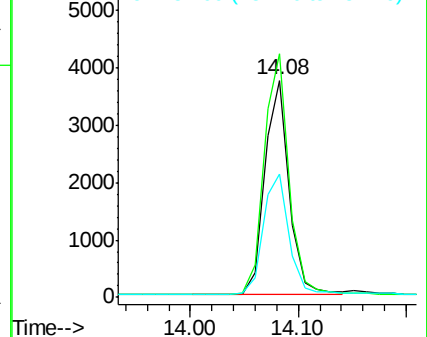
152 59.5 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.429 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

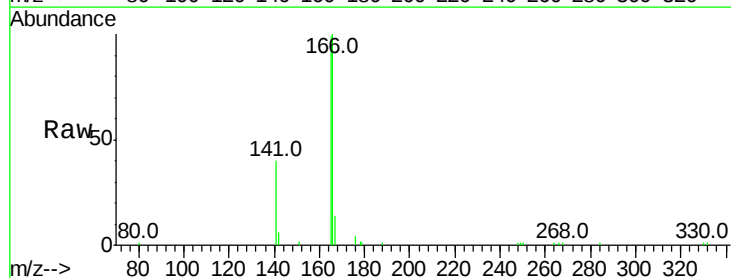
Tgt Ion:166 Resp: 7633

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

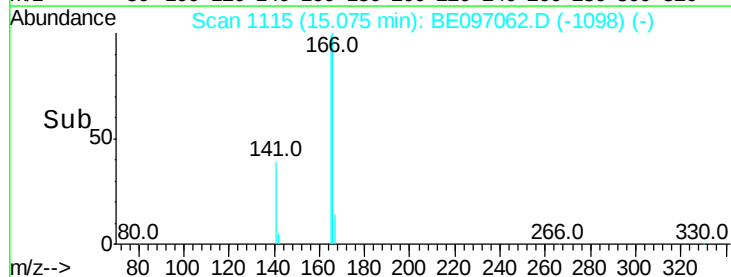
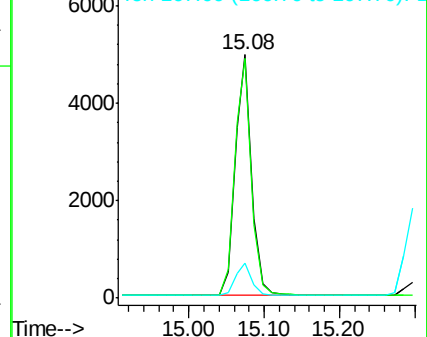
167 13.5 42.4 63.6#

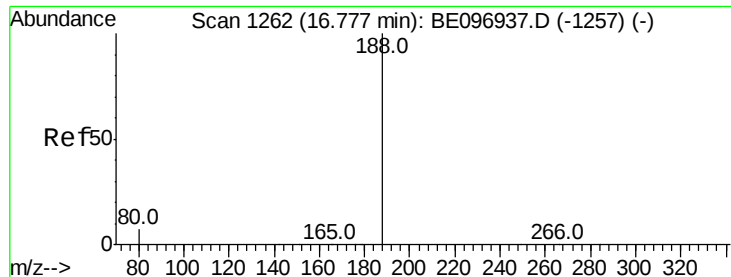


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

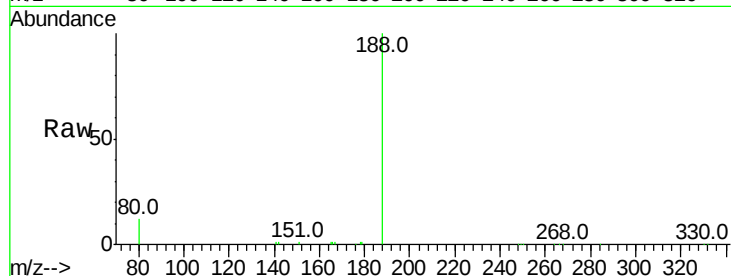
Tot Ion:188 Resp: 15334

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

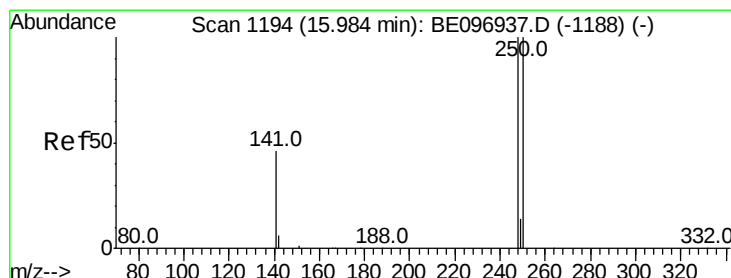
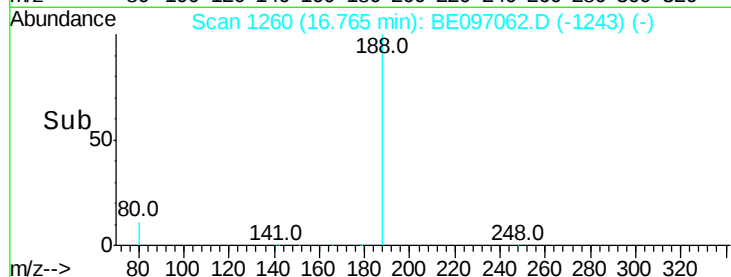
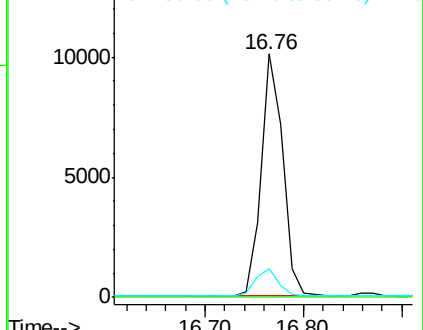
80 11.9 3.6 5.4#



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: 0.390 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

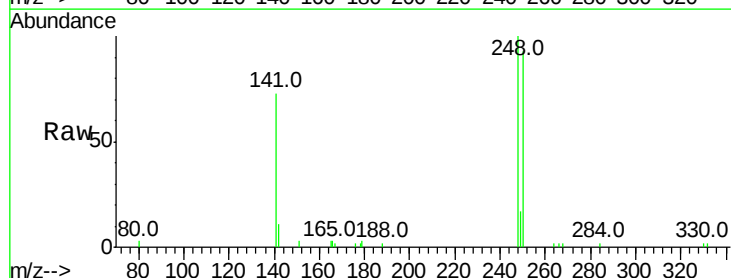
Tgt Ion:248 Resp: 2831

Ion Ratio Lower Upper

248 100

250 93.2 62.7 94.1

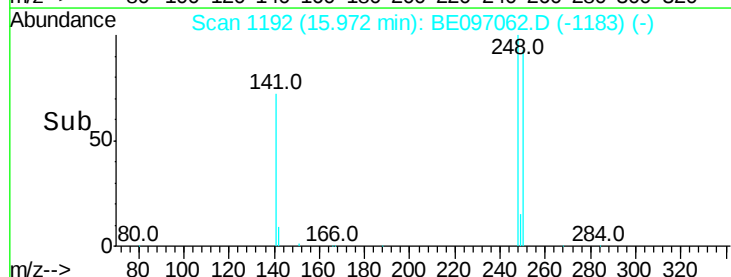
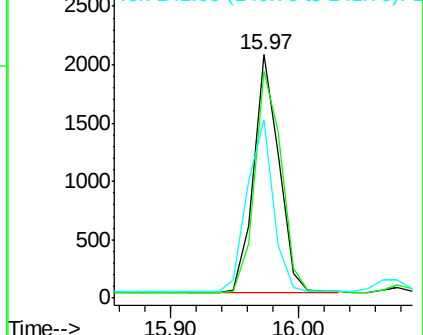
141 73.1 48.2 72.2#

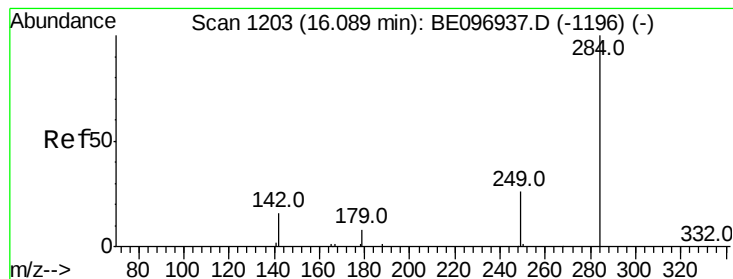


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

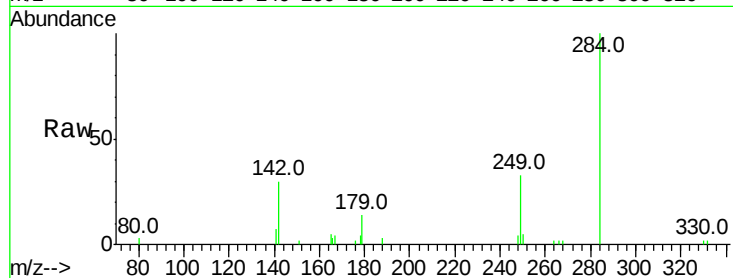
Tot Ion:284 Resp: 3058

Ion Ratio Lower Upper

284 100

142 34.6 22.1 33.1#

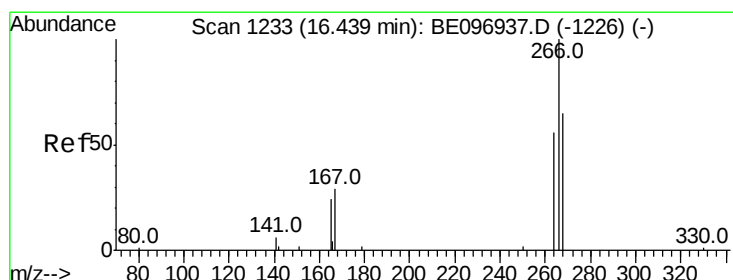
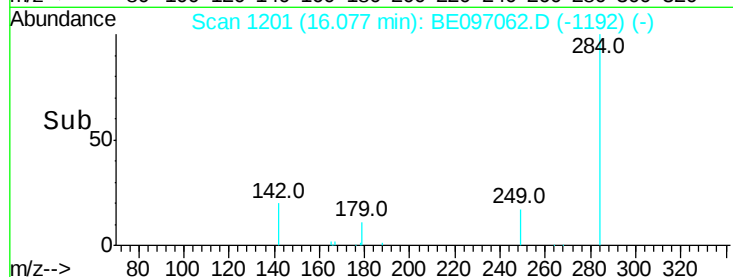
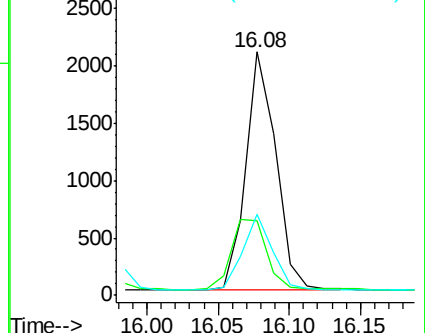
249 31.0 34.8 52.2#



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: 0.772 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

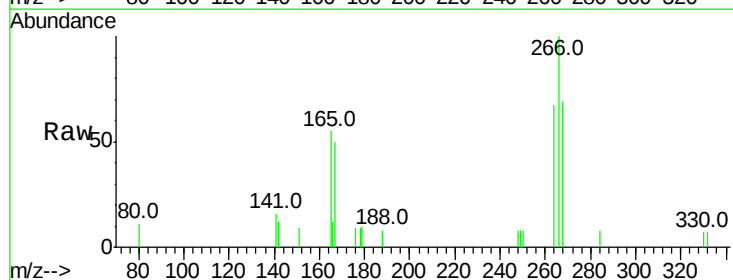
Tgt Ion:266 Resp: 1050

Ion Ratio Lower Upper

266 100

264 66.7 72.5 108.7#

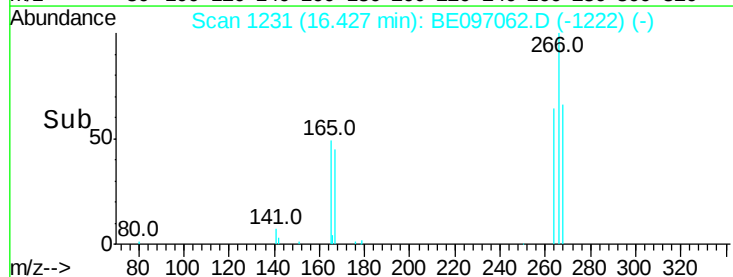
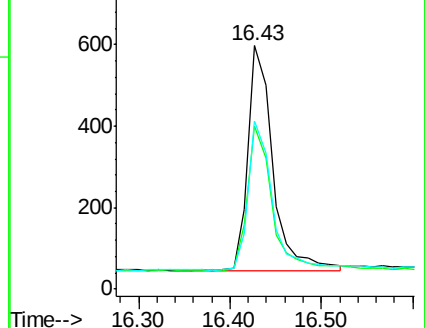
268 69.1 73.8 110.6#

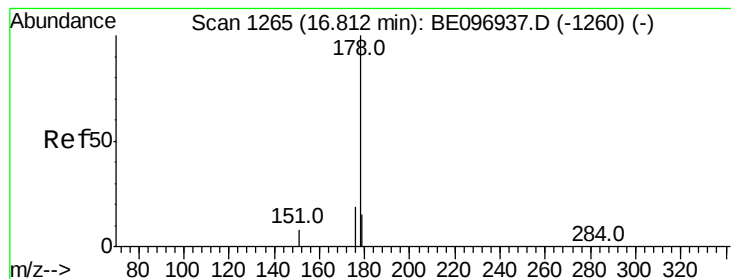


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

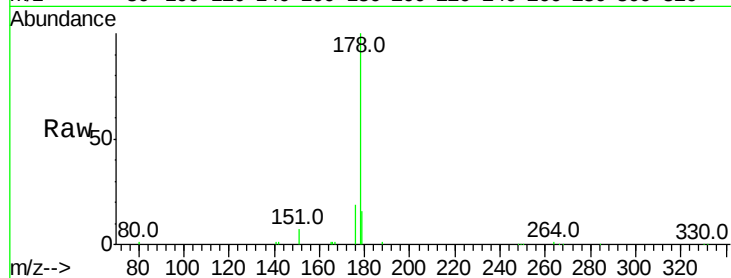
Tot Ion:178 Resp: 14458

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

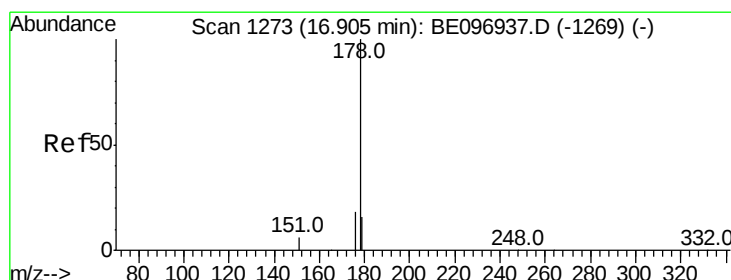
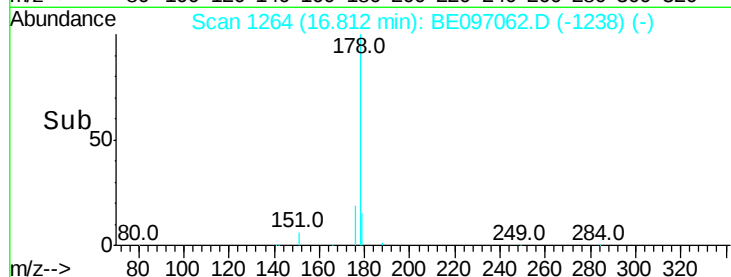
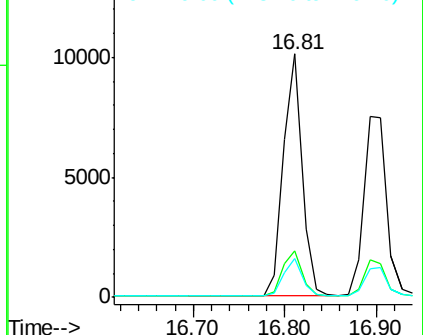
179 15.5 11.8 17.6



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: 0.404 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

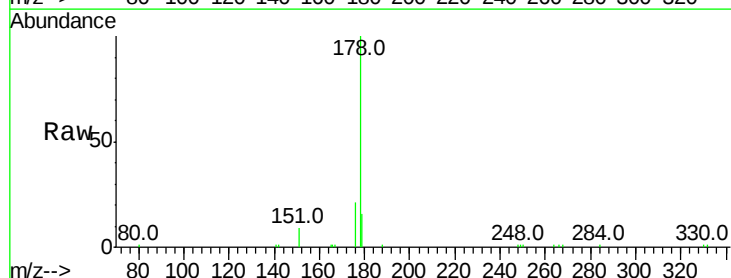
Tgt Ion:178 Resp: 12912

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

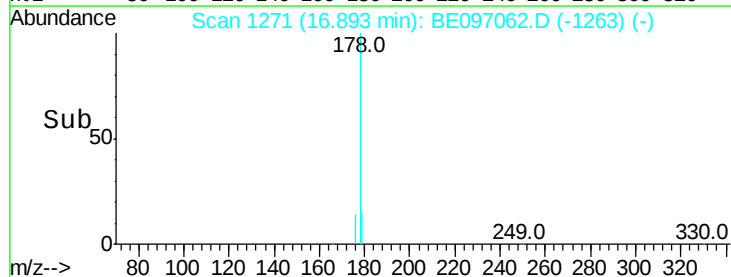
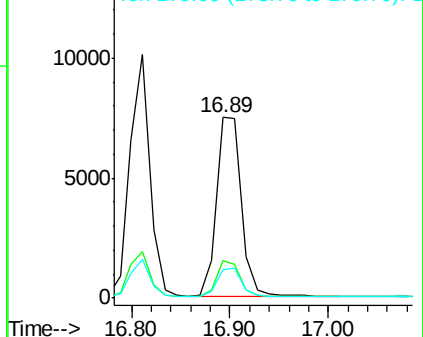
179 15.5 13.0 19.6

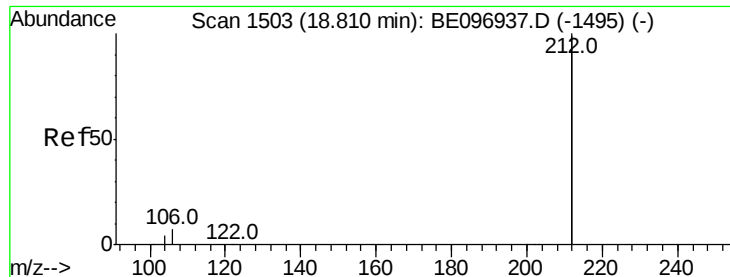


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.458 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

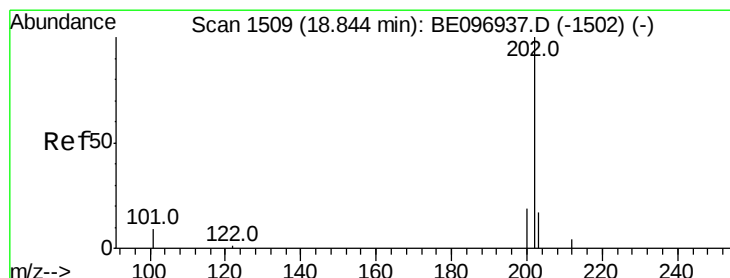
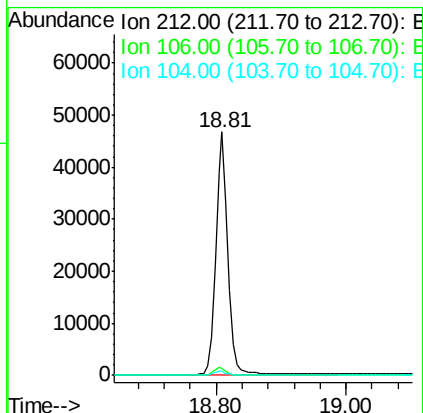
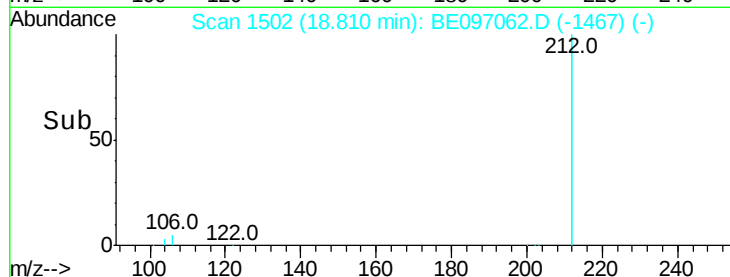
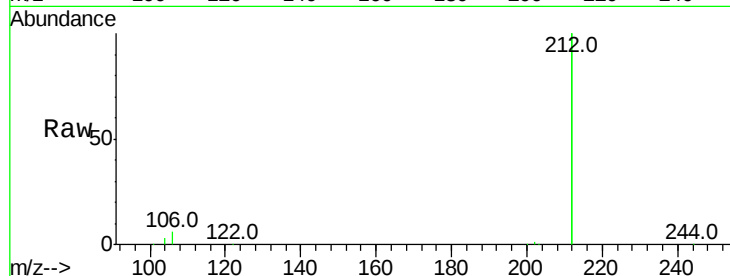
Tot Ion:212 Resp: 61136

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

104 1.7 1.6 2.4



#26

Fluoranthene

Concen: 0.423 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

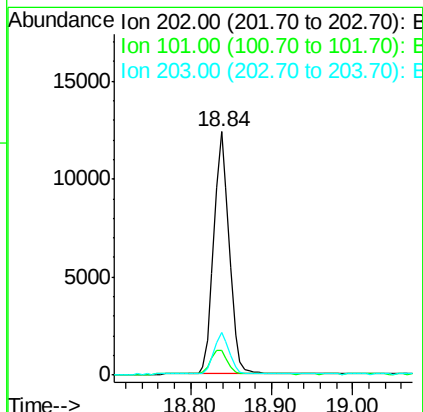
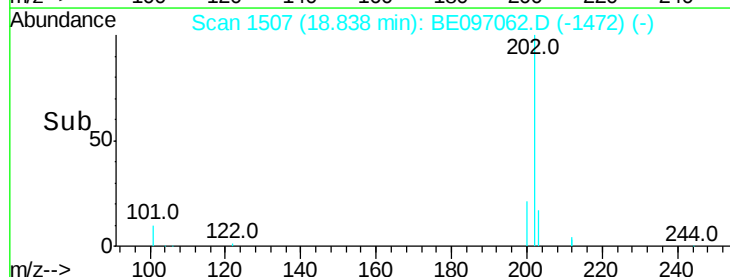
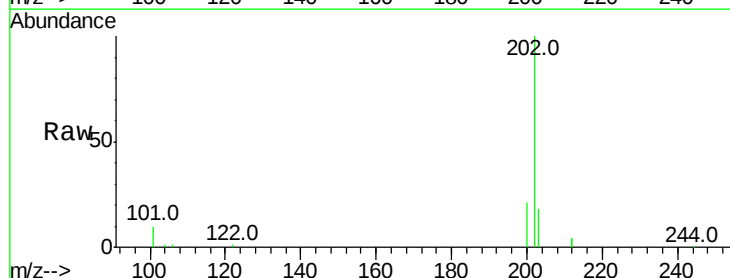
Tgt Ion:202 Resp: 16397

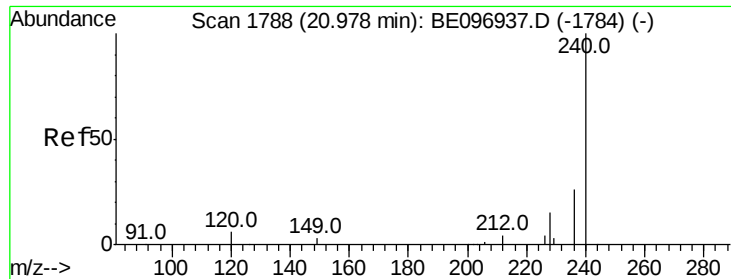
Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

203 17.1 13.7 20.5

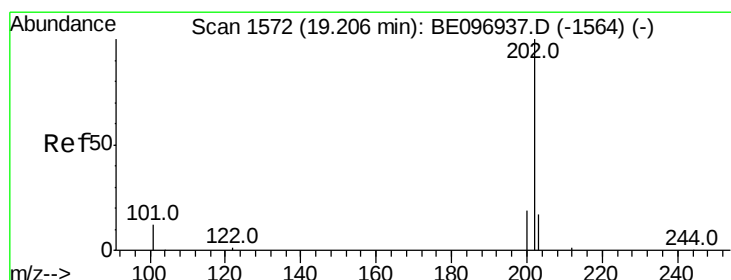
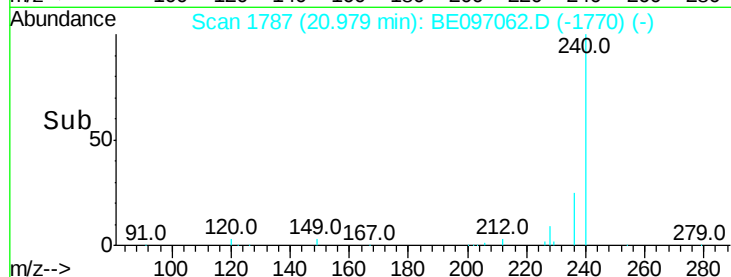
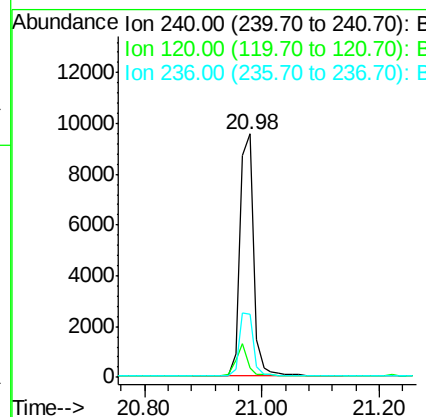
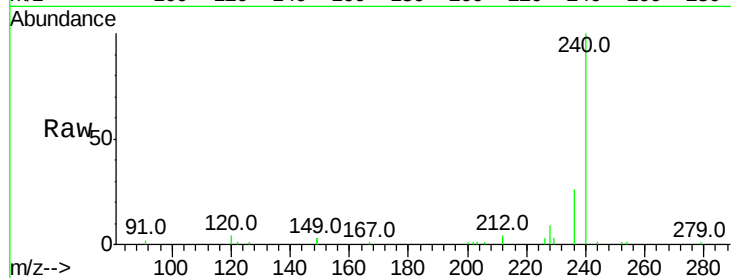




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 20.98 min Scan# 1787  
 Delta R.T. 0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

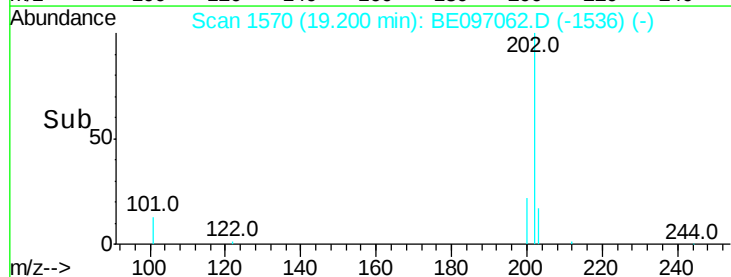
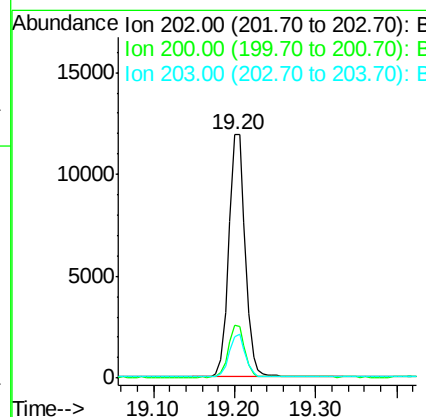
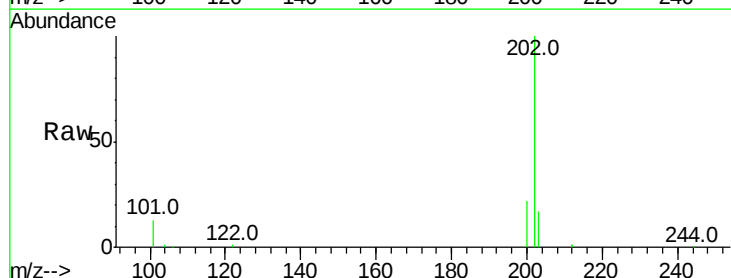
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDC00.4EC

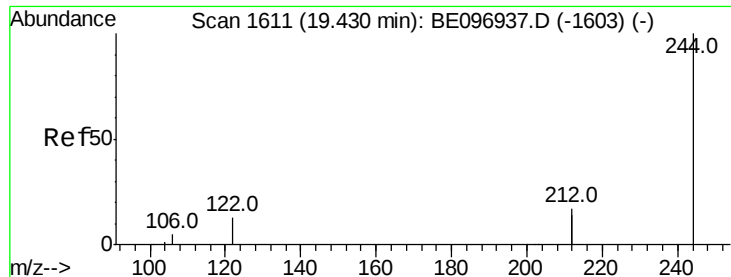
Tot Ion:240 Resp: 15594  
 Ion Ratio Lower Upper  
 240 100  
 120 3.9 5.5 8.3#  
 236 25.9 20.7 31.1



#28  
 Pyrene  
 Concen: 0.363 ng  
 RT: 19.20 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

Tgt Ion:202 Resp: 16732  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 16.6 25.0  
 203 17.5 13.8 20.8





#29

Terphenyl-d14

Concen: 0.387 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

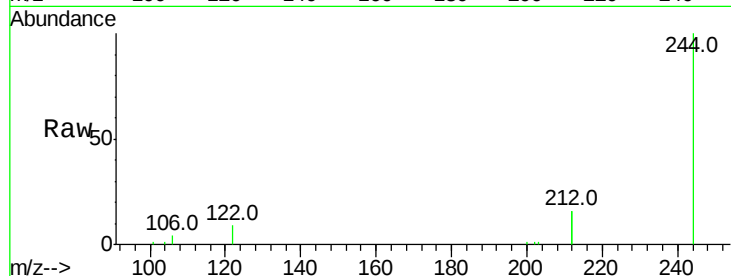
Tot Ion:244 Resp: 11644

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

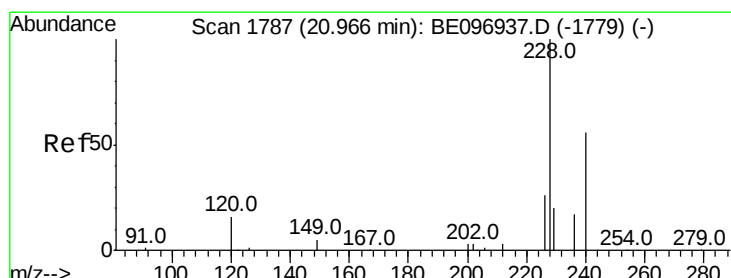
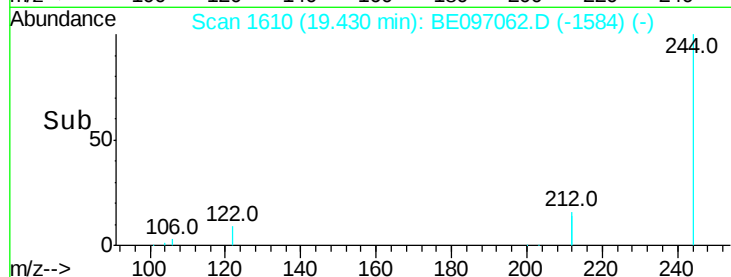
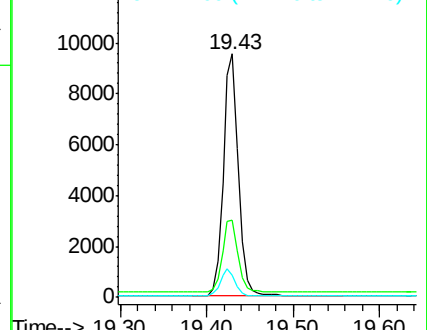
122 9.3 8.1 12.1



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: 0.425 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

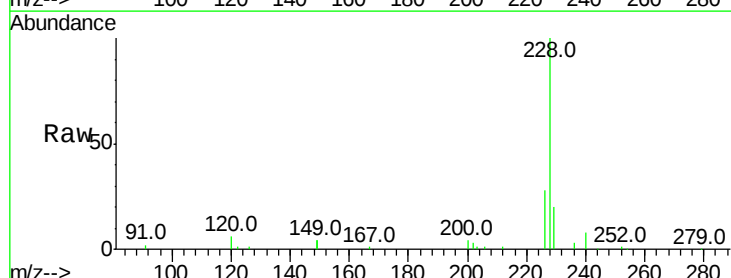
Tgt Ion:228 Resp: 15789

Ion Ratio Lower Upper

228 100

226 28.0 24.0 36.0

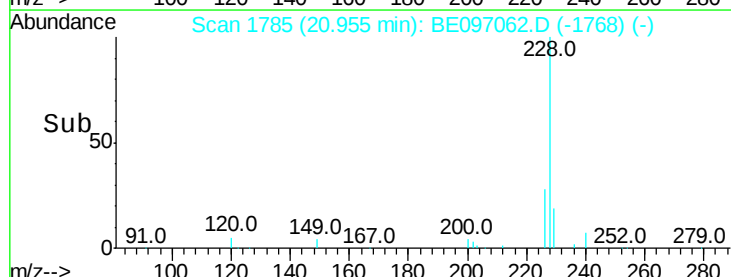
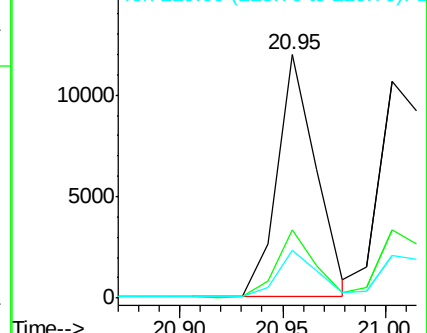
229 19.7 16.0 24.0

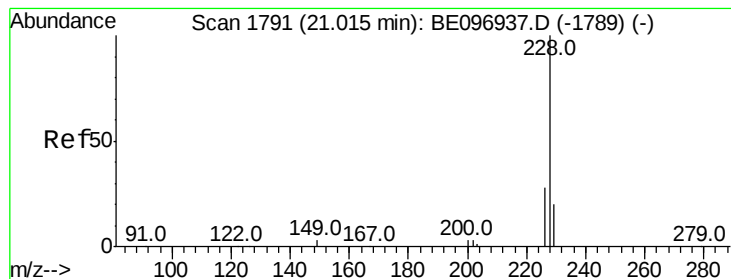


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.399 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

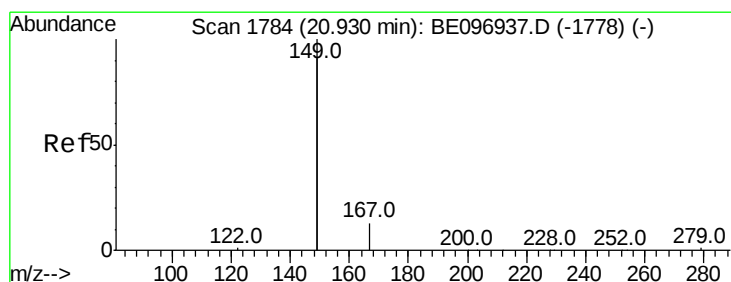
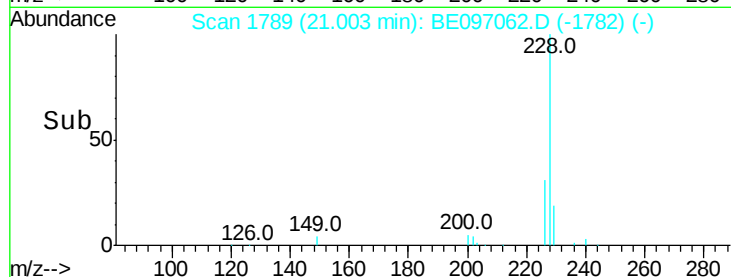
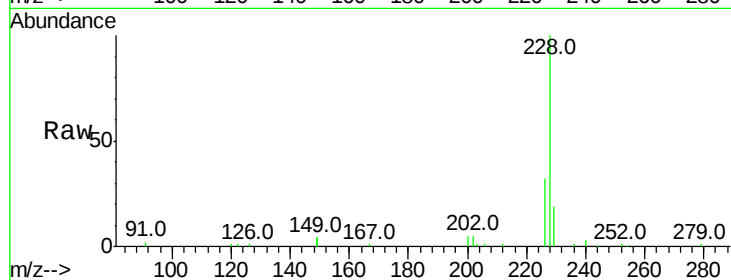
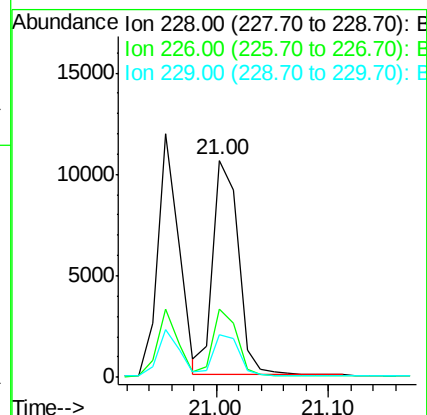
BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 16618

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.5  | 24.0  | 36.0  |
| 229 | 19.4  | 16.0  | 24.0  |



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.786 ng

RT: 20.92 min Scan# 1782

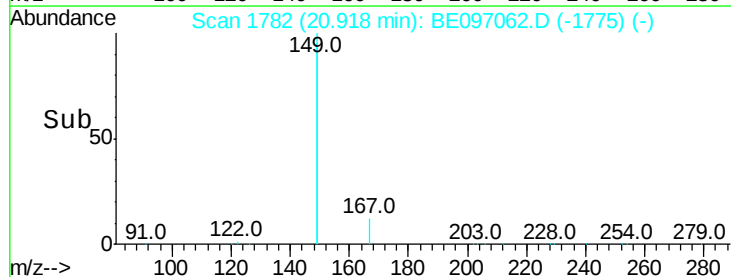
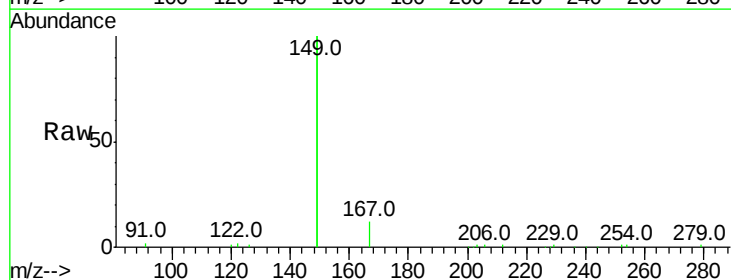
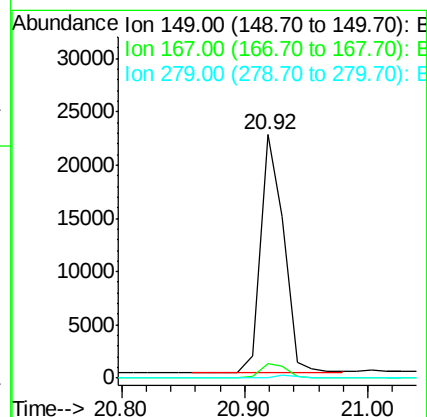
Delta R.T. -0.01 min

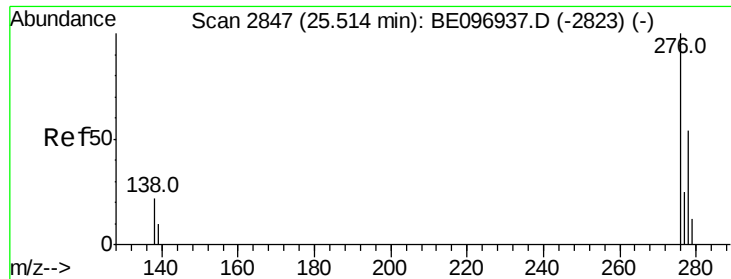
Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Tgt Ion:149 Resp: 29151

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.5   | 5.4   | 8.0   |
| 279 | 0.9   | 0.7   | 1.1   |

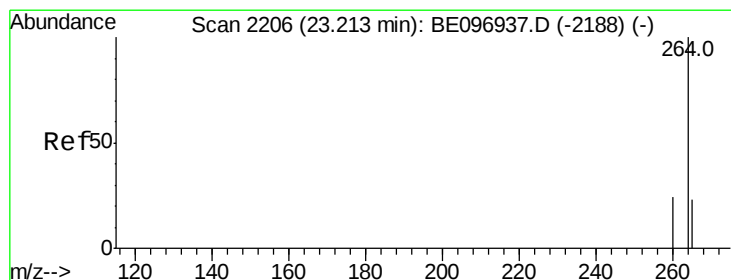
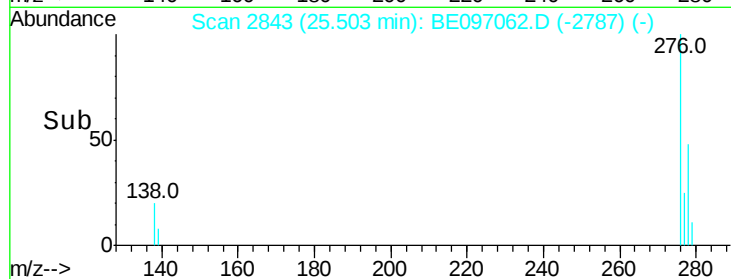
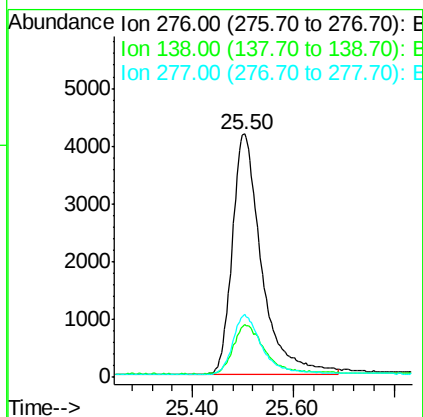
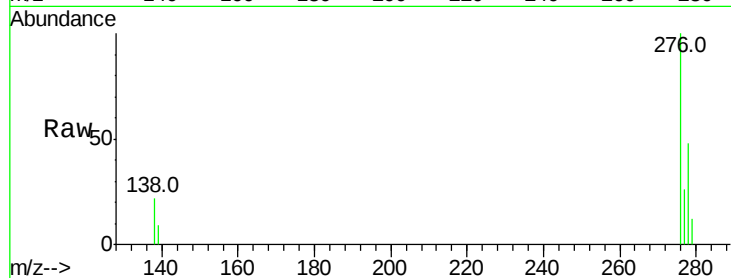




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.558 ng  
 RT: 25.50 min Scan# 2843  
 Delta R.T. 0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

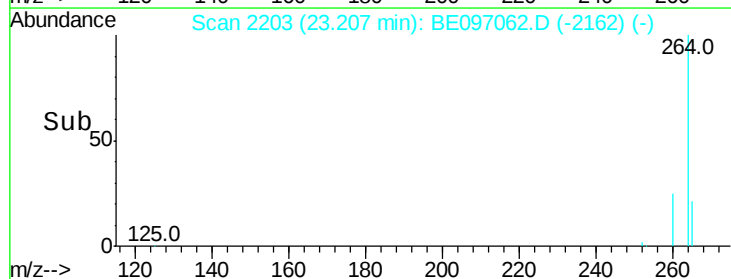
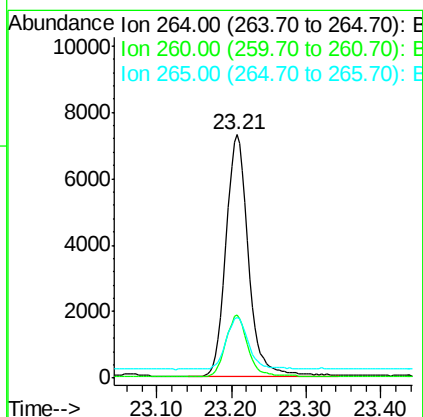
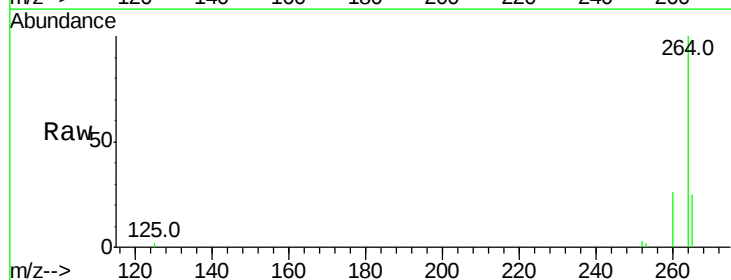
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

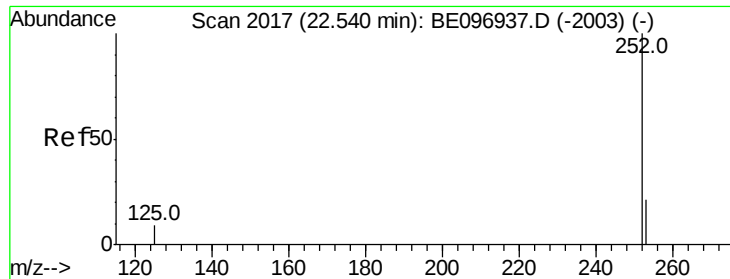
Tot Ion:276 Resp: 16916  
 Ion Ratio Lower Upper  
 276 100  
 138 21.5 22.5 33.7#  
 277 24.6 19.9 29.9



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2203  
 Delta R.T. -0.00 min  
 Lab File: BE097062.D  
 Acq: 24 Jul 2018 7:37

Tgt Ion:264 Resp: 15161  
 Ion Ratio Lower Upper  
 264 100  
 260 25.8 20.5 30.7  
 265 24.9 22.8 34.2

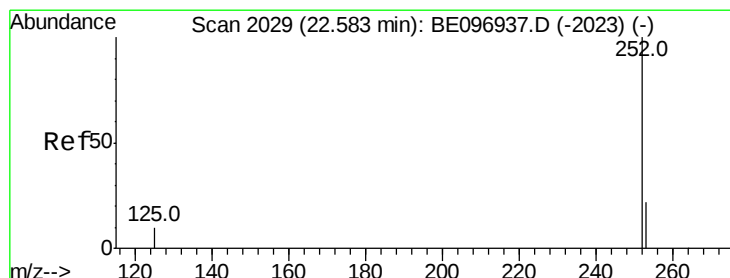
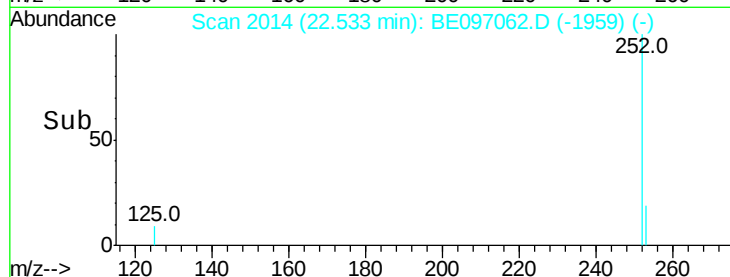
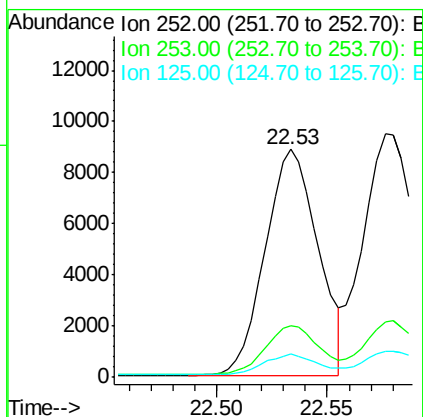
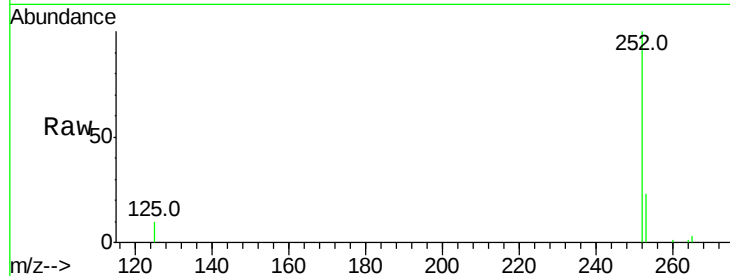




#35  
Benzo(b)fluoranthene  
Concen: 0.381 ng  
RT: 22.53 min Scan# 2014  
Delta R.T. -0.00 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

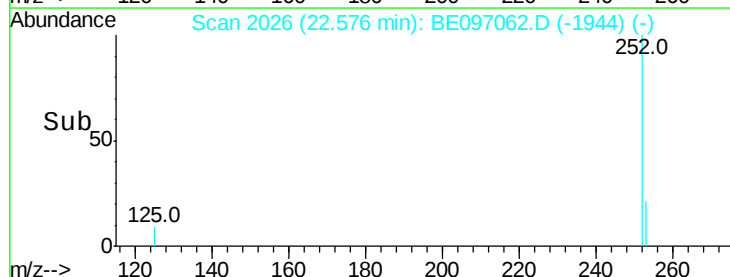
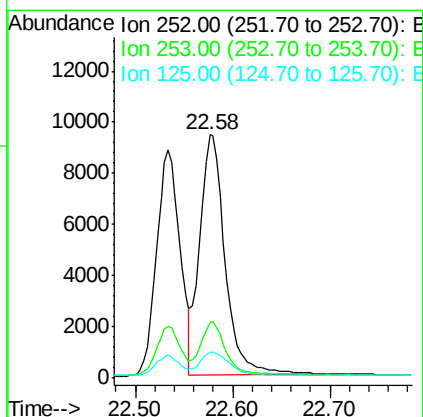
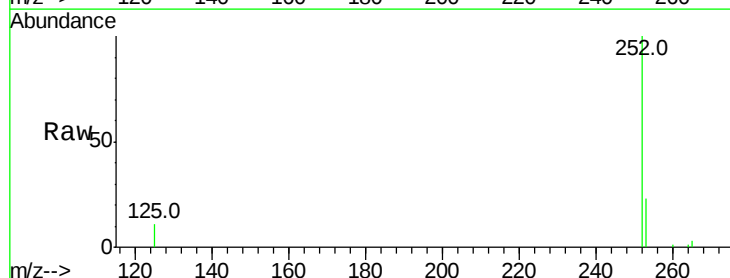
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

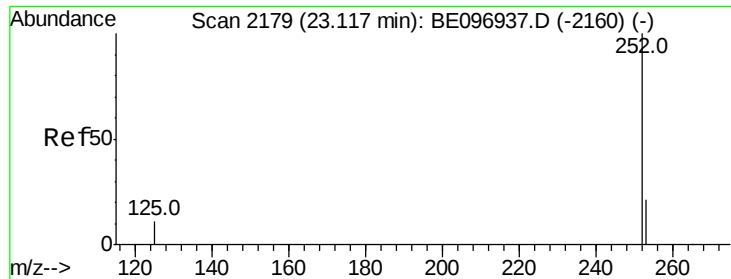
Tot Ion:252 Resp: 14726  
Ion Ratio Lower Upper  
252 100  
253 22.5 20.0 30.0  
125 10.0 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.370 ng  
RT: 22.58 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BE097062.D  
Acq: 24 Jul 2018 7:37

Tgt Ion:252 Resp: 17021  
Ion Ratio Lower Upper  
252 100  
253 22.6 16.0 24.0  
125 10.5 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.432 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

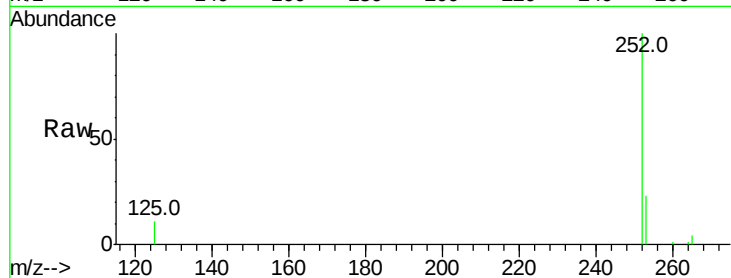
Tot Ion:252 Resp: 14573

Ion Ratio Lower Upper

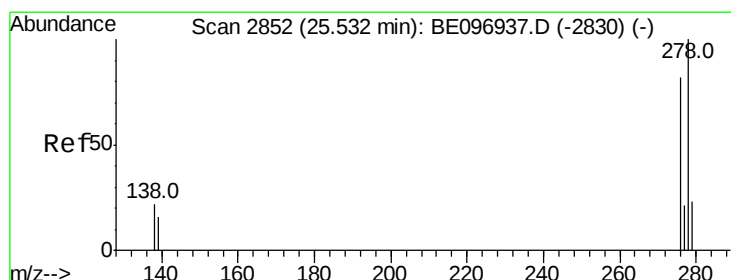
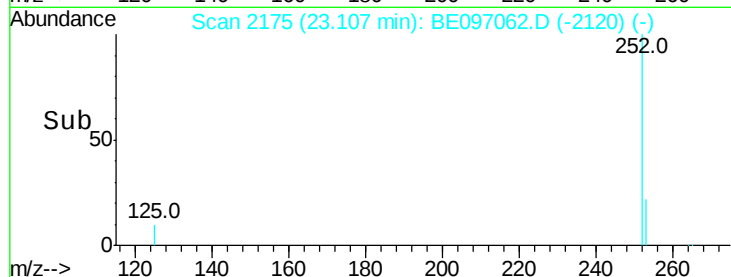
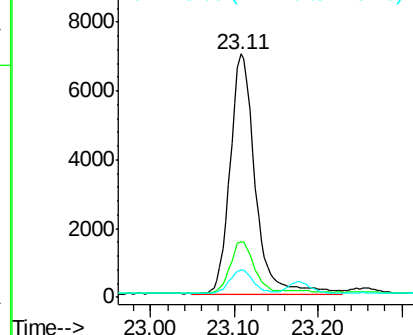
252 100

253 22.9 16.0 24.0

125 11.0 12.0 18.0#



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: 0.488 ng

RT: 25.53 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

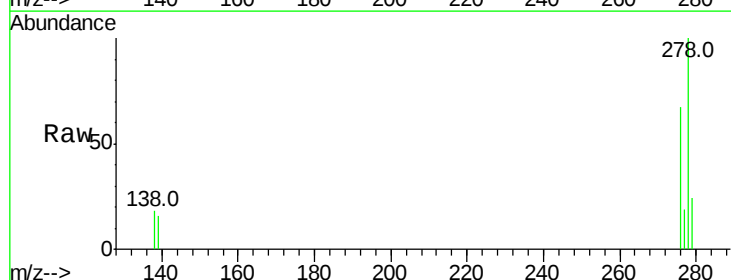
Tgt Ion:278 Resp: 14024

Ion Ratio Lower Upper

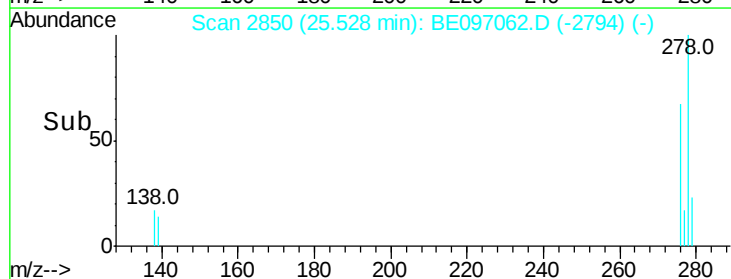
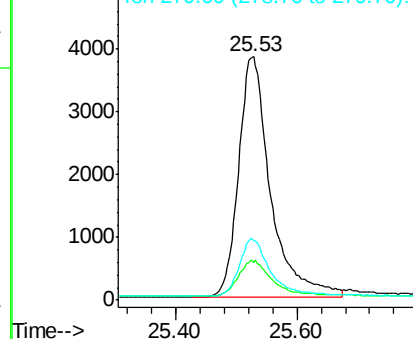
278 100

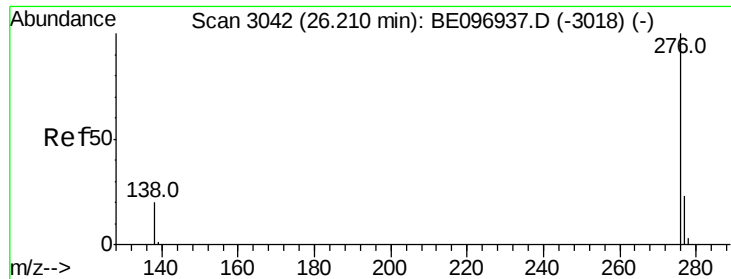
139 15.6 16.0 24.0#

279 24.4 20.0 30.0



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: 0.462 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.00 min

Lab File: BE097062.D

Acq: 24 Jul 2018 7:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

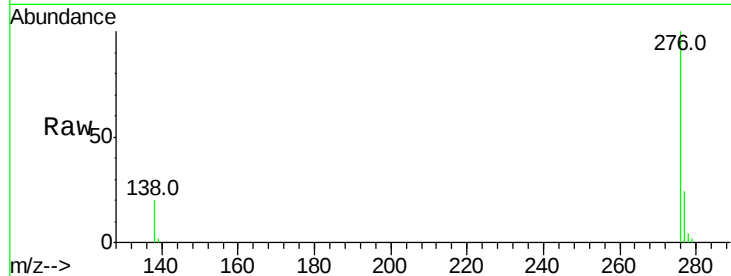
Tot Ion:276 Resp: 14540

Ion Ratio Lower Upper

276 100

277 24.3 16.0 24.0#

138 20.0 20.0 30.0#



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

