

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\  
 Data File : BE096932.D  
 Acq On : 14 Jul 2018 9:22  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Jul 16 00:42:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 17:02:57 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 2600     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 13835    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.03 | 164  | 7445     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.77 | 188  | 17665    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 16703    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 18103    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.05  | 112  | 2552     | 0.44 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 3873     | 0.45 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.52  | 82   | 3948     | 0.47 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152  | 8002     | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330  | 843      | 0.49 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.64 | 172  | 11244    | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.81 | 212  | 63324    | 0.41 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.43 | 244  | 11980    | 0.37 | ng    | 0.00     |

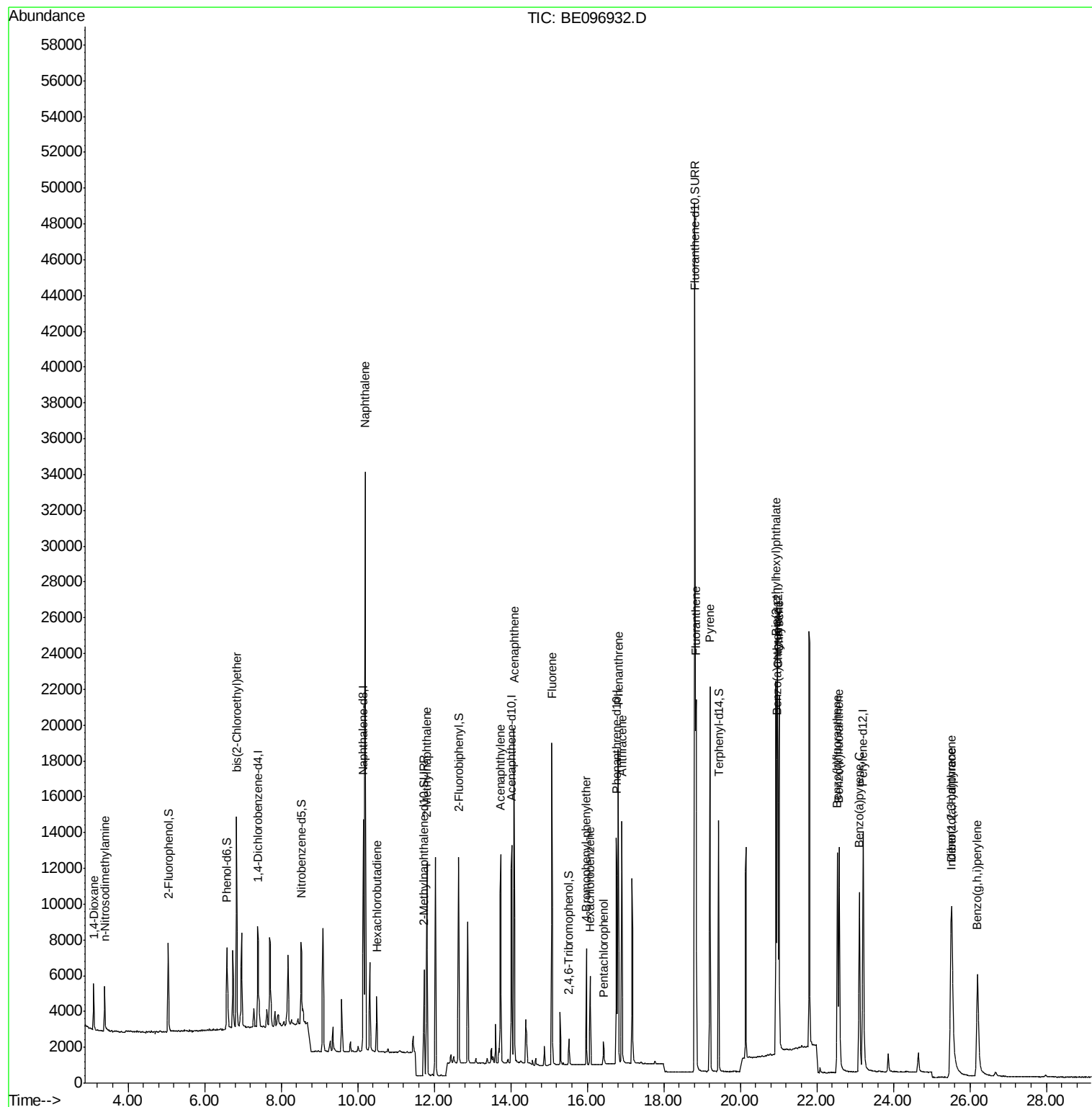
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88   | 1493     | 0.383 | ng    | # 88   |
| 3) n-Nitrosodimethylamine      | 3.38  | 42   | 1675     | 0.406 | ng    | 90     |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 3686     | 0.388 | ng    | 97     |
| 9) Naphthalene                 | 10.20 | 128  | 49004    | 0.390 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.50 | 225  | 1968     | 0.376 | ng    | 97     |
| 12) 2-Methylnaphthalene        | 11.81 | 142  | 8373     | 0.402 | ng    | 99     |
| 16) Acenaphthylene             | 13.74 | 152  | 13639    | 0.422 | ng    | 99     |
| 17) Acenaphthene               | 14.08 | 154  | 8747     | 0.410 | ng    | 95     |
| 18) Fluorene                   | 15.08 | 166  | 9773     | 0.390 | ng    | # 80   |
| 20) 4-Bromophenyl-phenylether  | 15.98 | 248  | 3281     | 0.412 | ng    | # 74   |
| 21) Hexachlorobenzene          | 16.08 | 284  | 3801     | 0.419 | ng    | # 80   |
| 22) Pentachlorophenol          | 16.43 | 266  | 741      | 0.520 | ng    | # 73   |
| 23) Phenanthrene               | 16.81 | 178  | 17292    | 0.398 | ng    | 99     |
| 24) Anthracene                 | 16.91 | 178  | 14839    | 0.413 | ng    | 96     |
| 26) Fluoranthene               | 18.84 | 202  | 18272    | 0.416 | ng    | 99     |
| 28) Pyrene                     | 19.20 | 202  | 18290    | 0.378 | ng    | 99     |
| 30) Benzo(a)anthracene         | 20.96 | 228  | 15938    | 0.431 | ng    | 98     |
| 31) Chrysene                   | 21.02 | 228  | 17018    | 0.372 | ng    | 100    |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 21206    | 0.640 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 17538    | 0.516 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 22.54 | 252  | 15665    | 0.317 | ng    | # 88   |
| 36) Benzo(k)fluoranthene       | 22.58 | 252  | 18745    | 0.354 | ng    | 96     |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 15021    | 0.383 | ng    | # 93   |
| 38) Dibenzo(a,h)anthracene     | 25.53 | 278  | 14614    | 0.385 | ng    | 97     |
| 39) Benzo(g,h,i)perylene       | 26.20 | 276  | 15067    | 0.344 | ng    | 93     |

(#) = 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: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

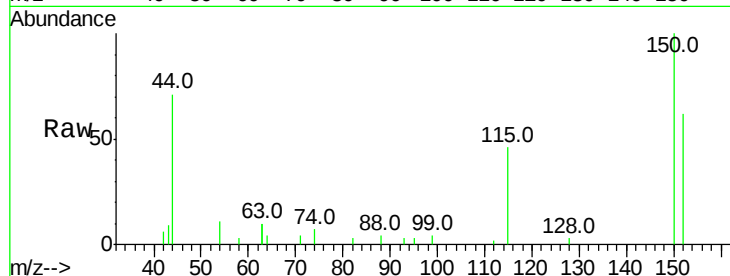
Tot Ion:152 Resp: 2600

Ion Ratio Lower Upper

152 100

150 161.9 117.2 175.8

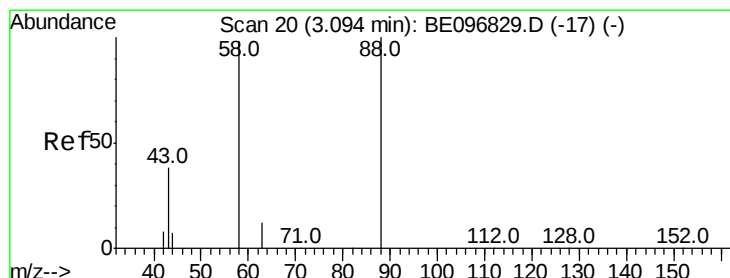
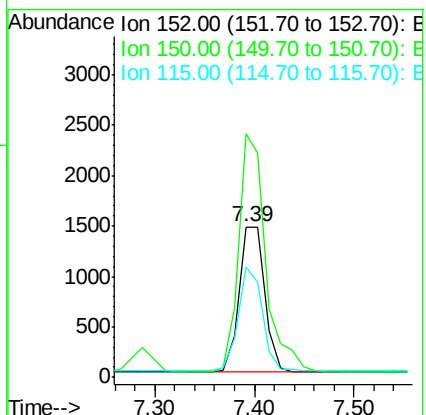
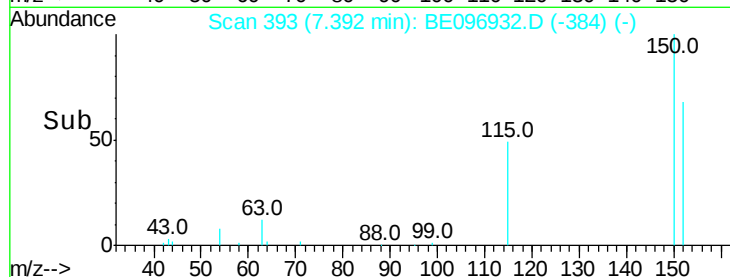
115 73.8 57.0 85.6



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: 0.383 ng

RT: 3.10 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

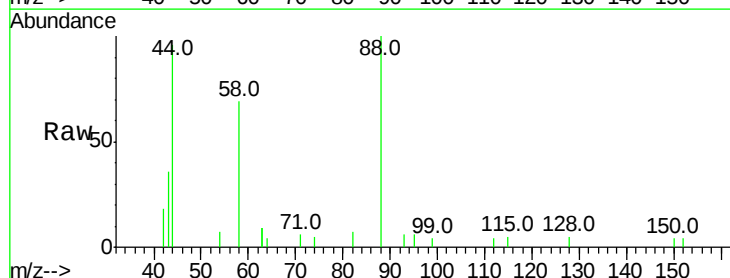
Tgt Ion: 88 Resp: 1493

Ion Ratio Lower Upper

88 100

58 78.6 63.2 94.8

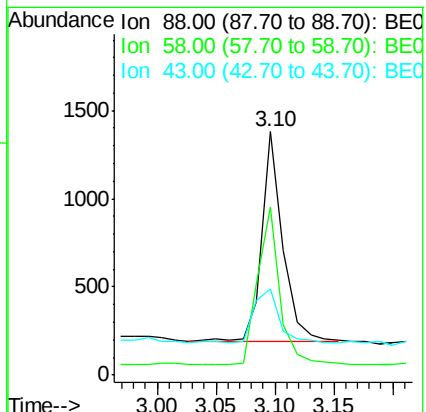
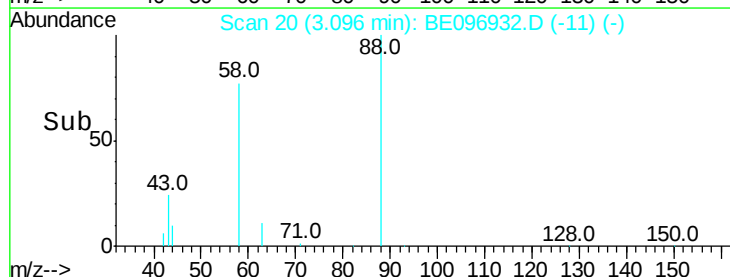
43 30.1 41.2 61.8#



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: 0.406 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

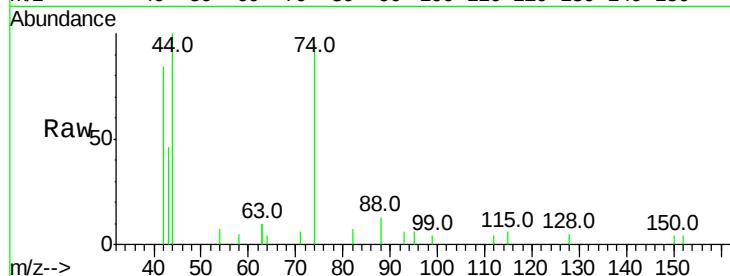
Tot Ion: 42 Resp: 1675

Ion Ratio Lower Upper

42 100

74 107.8 96.0 144.0

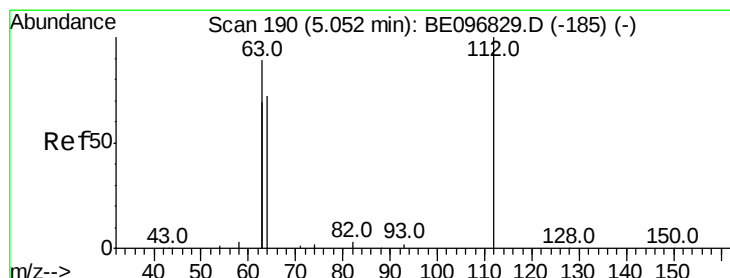
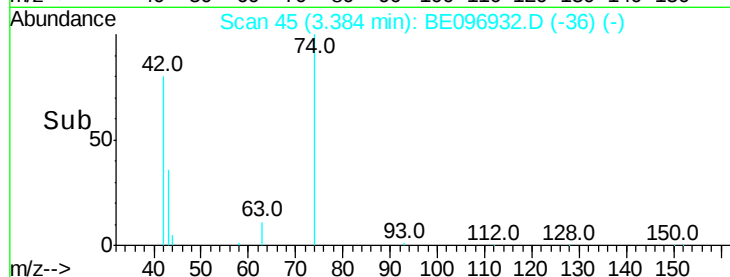
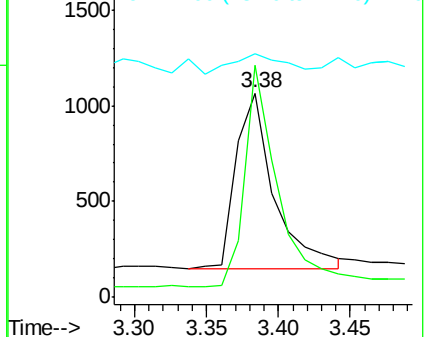
44 16.1 12.0 18.0



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: 0.439 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

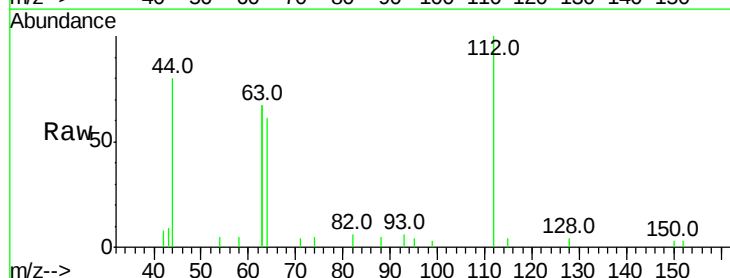
Tgt Ion: 112 Resp: 2552

Ion Ratio Lower Upper

112 100

64 68.1 60.1 90.1

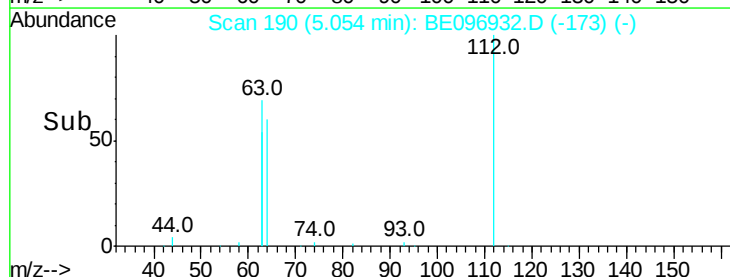
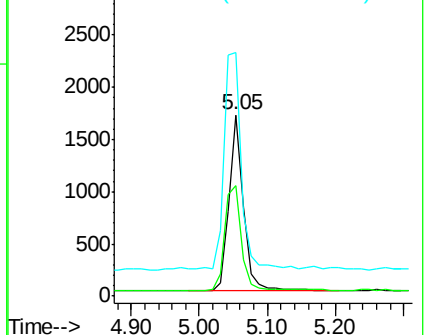
63 145.3 116.8 175.2

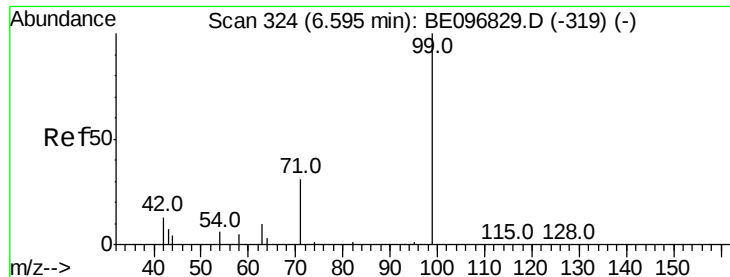


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.447 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

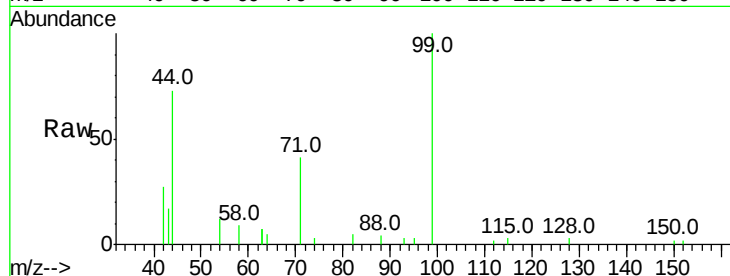
Tot Ion: 99 Resp: 3873

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

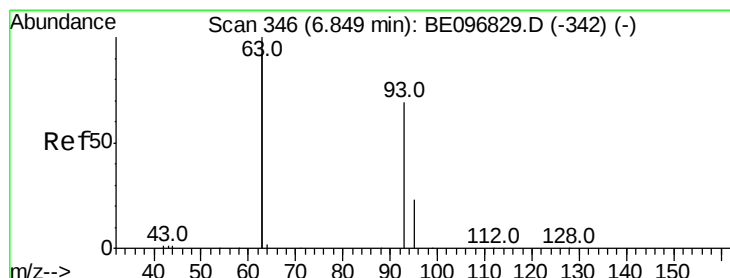
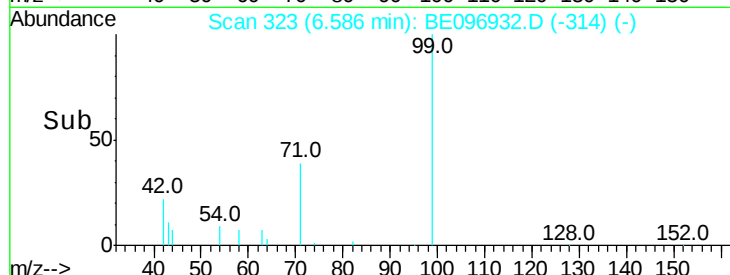
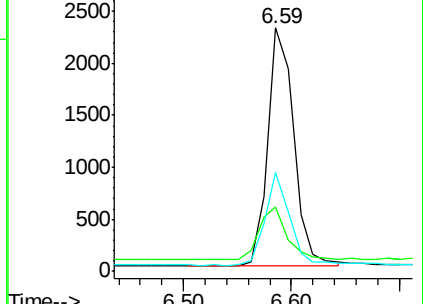
71 36.9 28.4 42.6



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: 0.388 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

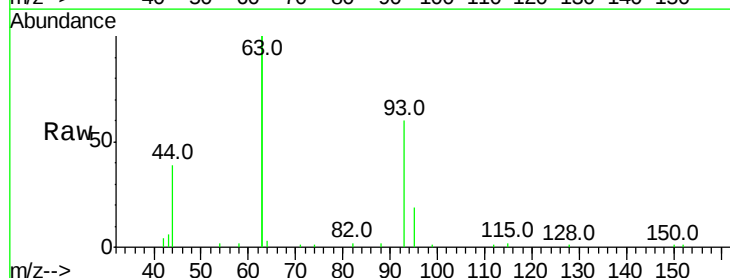
Tgt Ion: 93 Resp: 3686

Ion Ratio Lower Upper

93 100

63 337.0 275.3 412.9

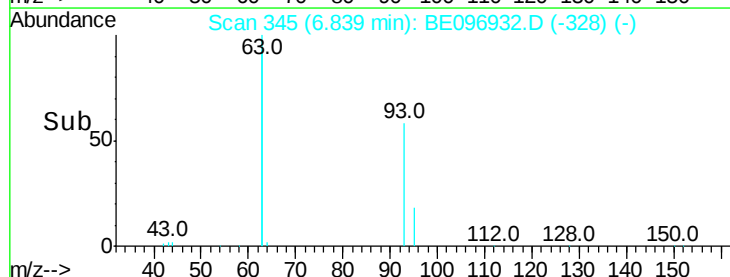
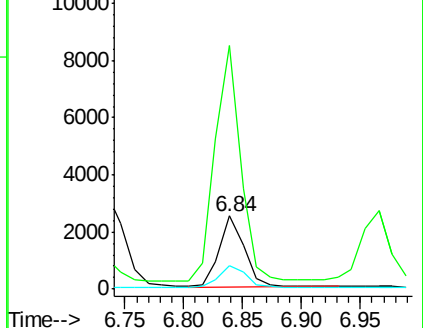
95 32.1 25.2 37.8

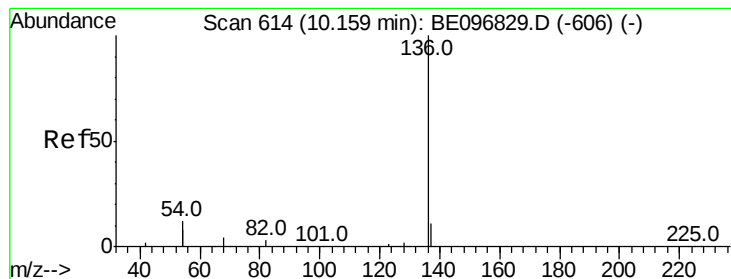


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

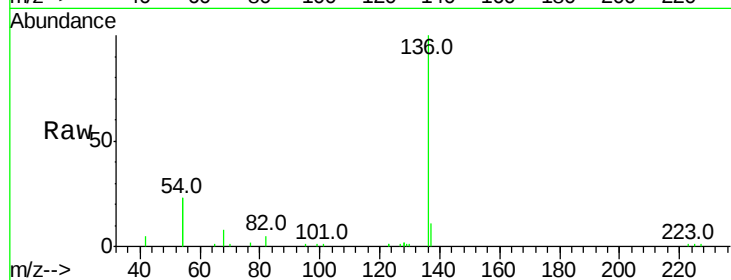
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 13835      |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 11.3  | 9.5 14.3   |
| 54          | 45.1  | 29.1 43.7# |
| 68          | 8.3   | 6.2 9.2    |

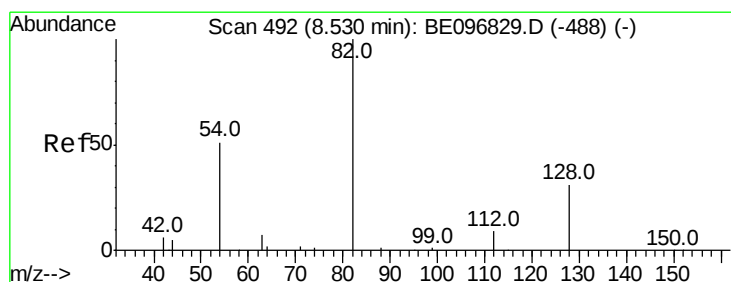
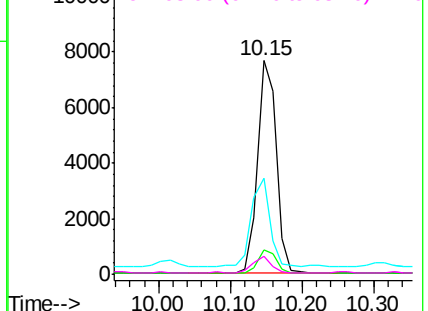
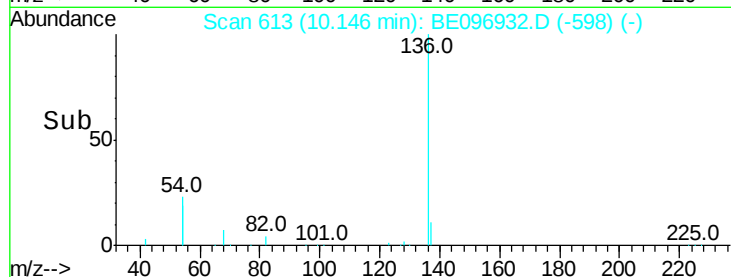


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.471 ng

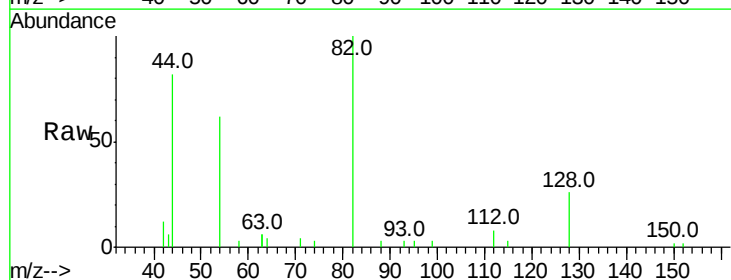
RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

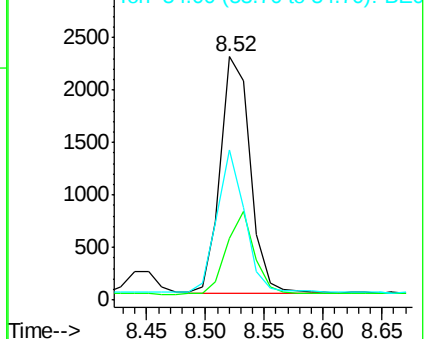
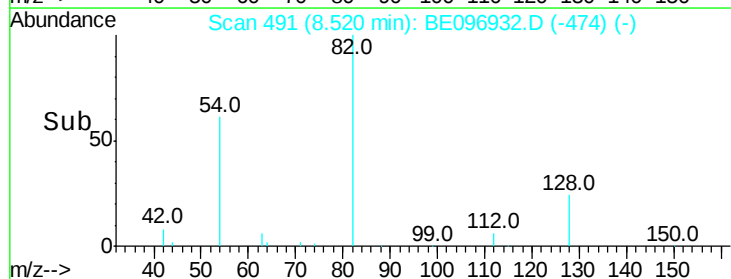
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 3948       |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 25.6  | 24.0 36.0  |
| 54          | 61.8  | 40.0 60.0# |



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





#9

Naphthalene

Concen: 0.390 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

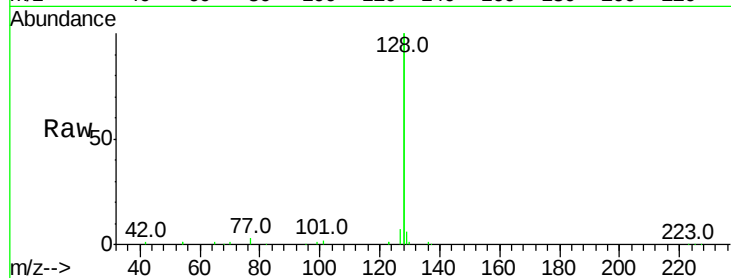
Tot Ion:128 Resp: 49004

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

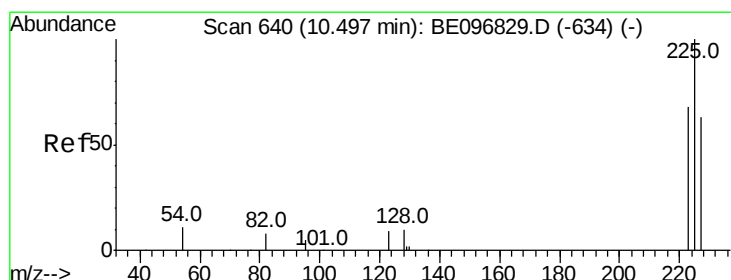
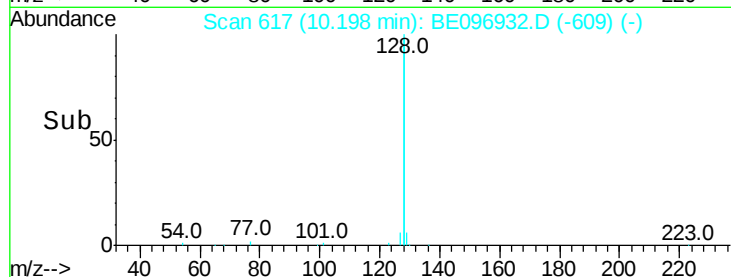
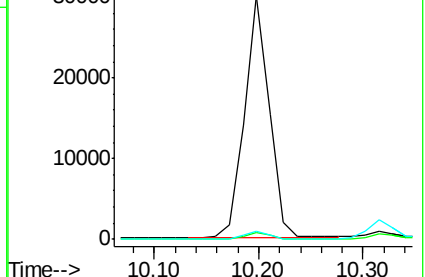
127 3.4 2.8 4.2



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: 0.376 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

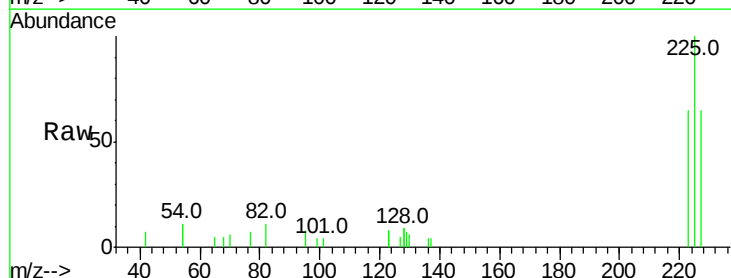
Tgt Ion:225 Resp: 1968

Ion Ratio Lower Upper

225 100

223 62.7 53.0 79.6

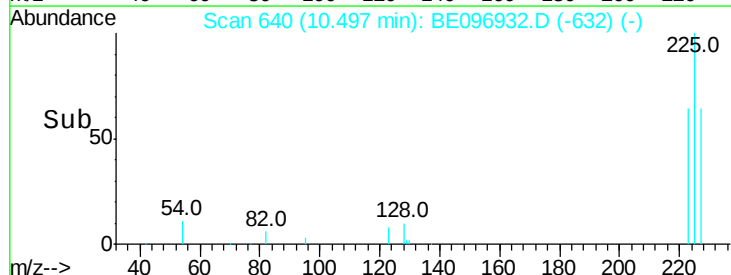
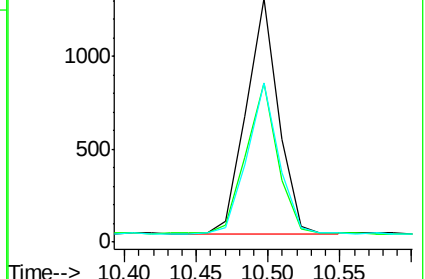
227 63.0 51.4 77.2

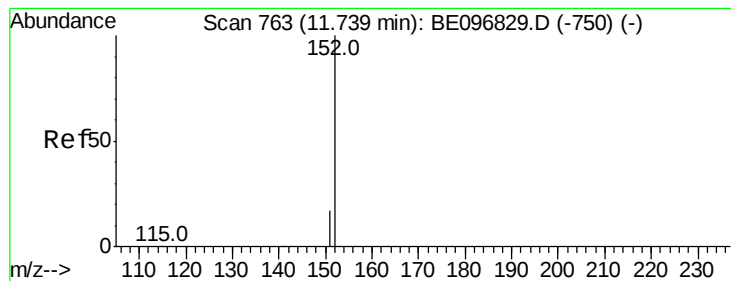


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

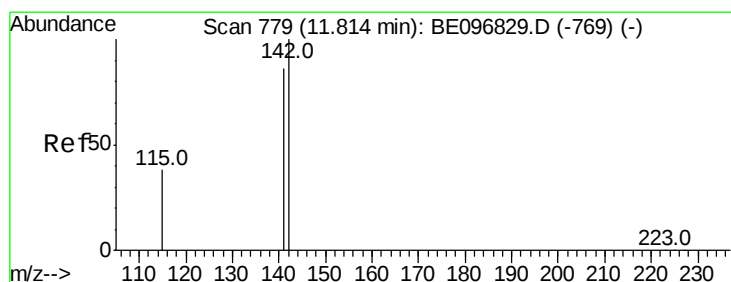
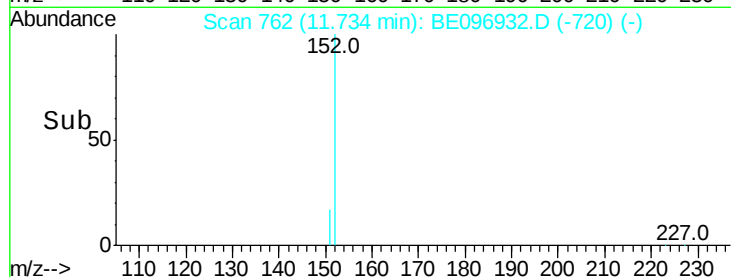
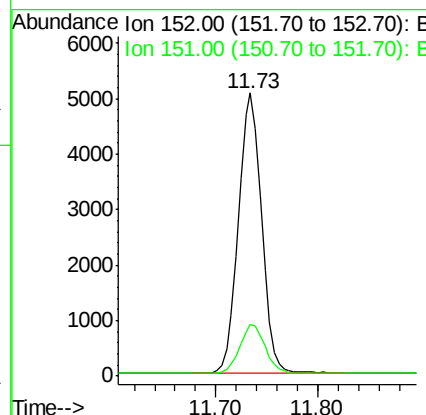
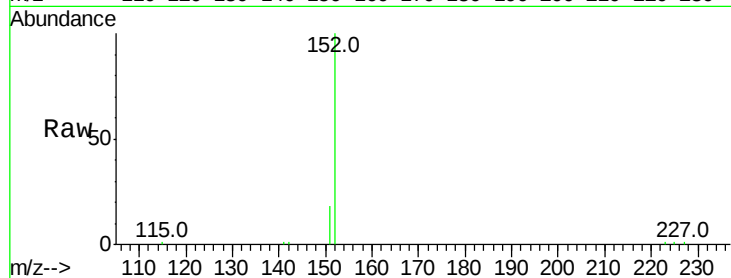




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.402 ng  
 RT: 11.73 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

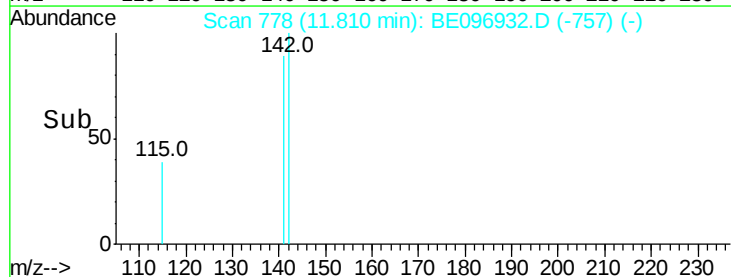
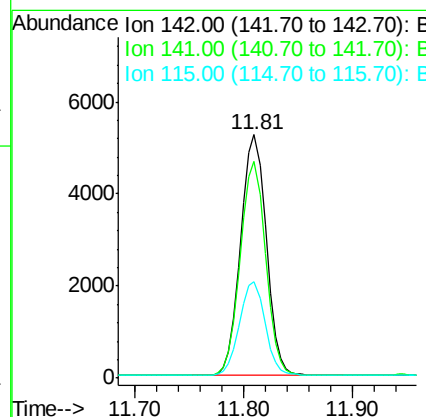
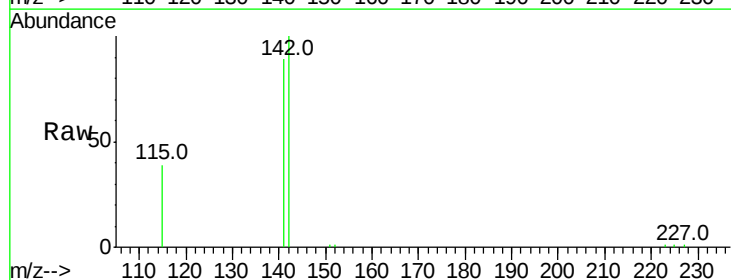
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

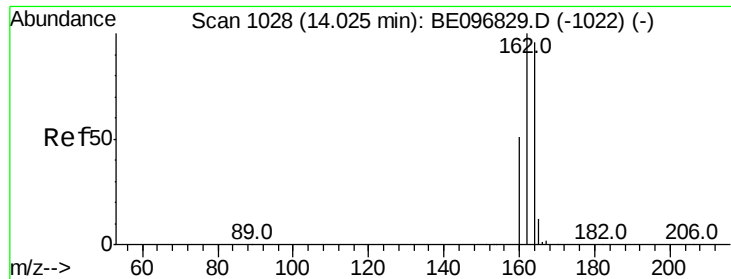
Tot Ion:152 Resp: 8002  
 Ion Ratio Lower Upper  
 152 100  
 151 19.3 15.4 23.0



#12  
 2-Methylnaphthalene  
 Concen: 0.402 ng  
 RT: 11.81 min Scan# 778  
 Delta R.T. 0.00 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

Tgt Ion:142 Resp: 8373  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 70.4 105.6  
 115 39.5 31.7 47.5

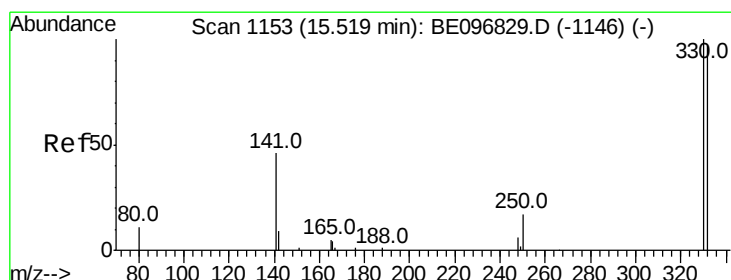
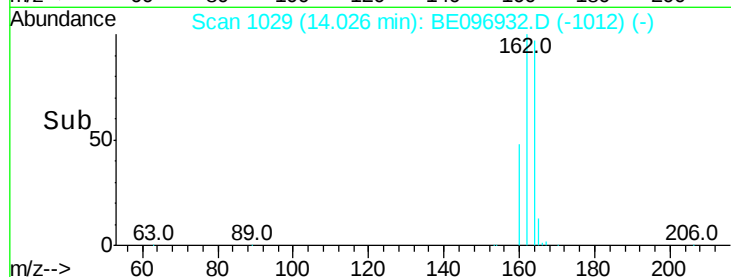
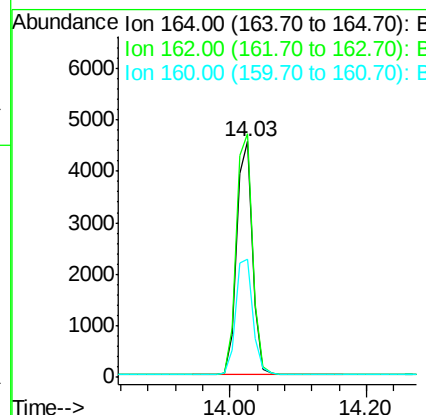
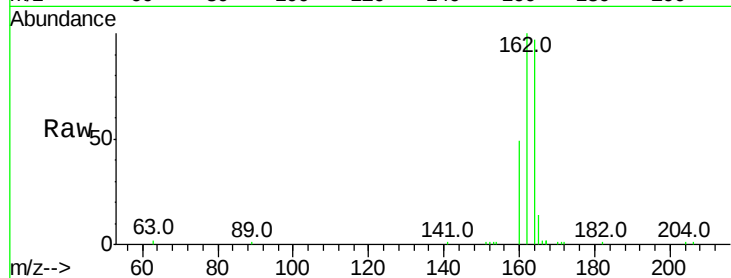




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.03 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

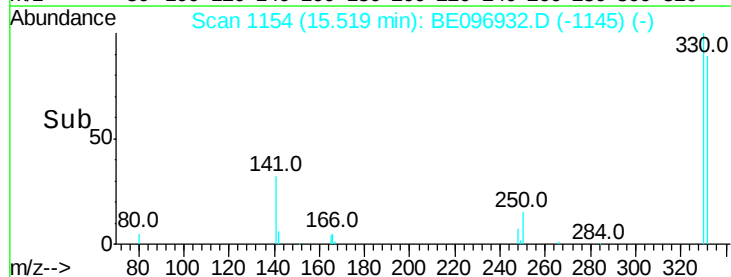
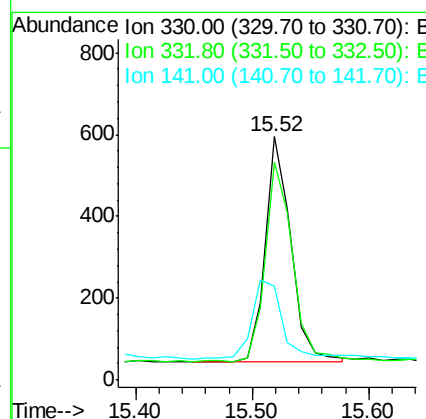
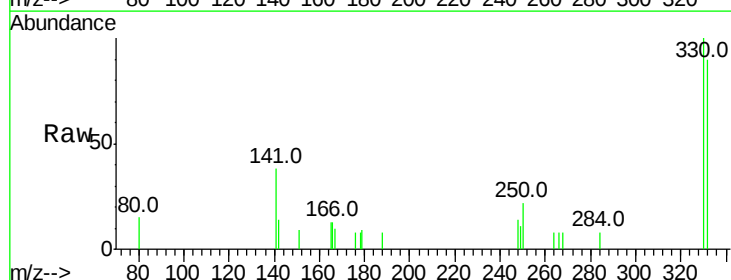
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

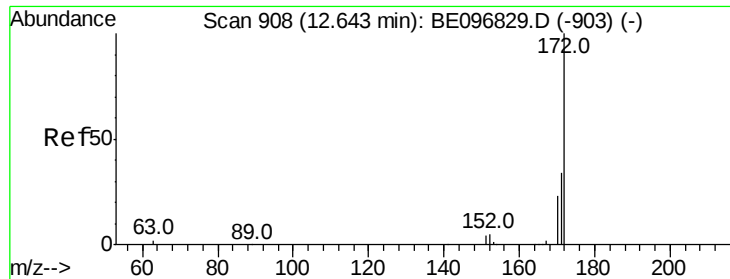
Tot Ion:164 Resp: 7445  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 83.1 124.7  
 160 50.3 37.1 55.7



#14  
 2,4,6-Tribromophenol  
 Concen: 0.487 ng  
 RT: 15.52 min Scan# 1154  
 Delta R.T. 0.00 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

Tgt Ion:330 Resp: 843  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 152.7 229.1#  
 141 42.2 33.7 50.5

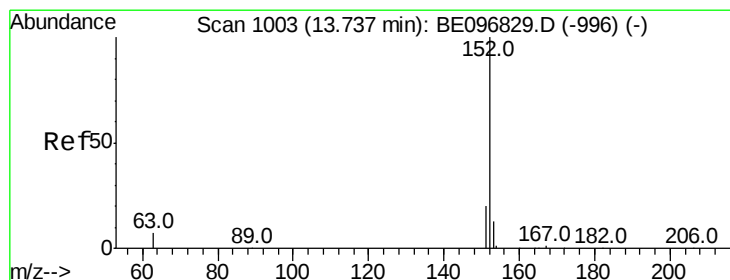
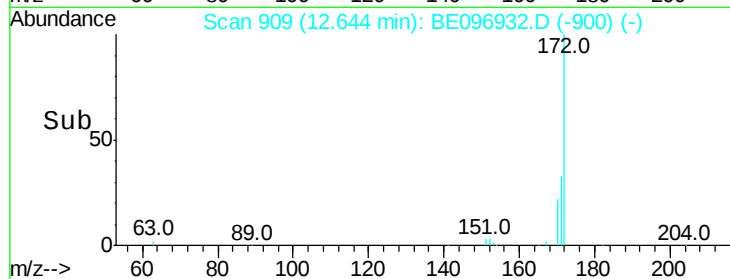
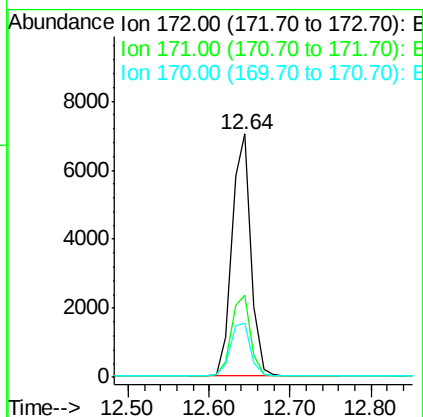
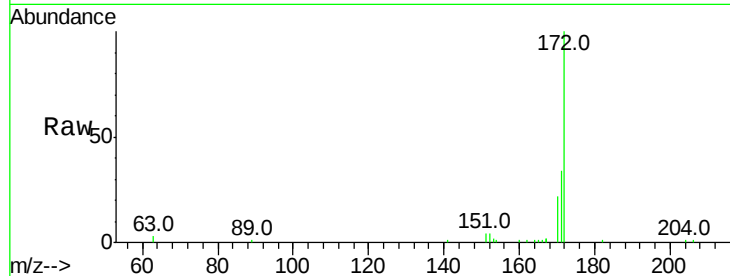




#15  
2-Fluorobiphenyl  
Concen: 0.413 ng  
RT: 12.64 min Scan# 909  
Delta R.T. -0.00 min  
Lab File: BE096932.D  
Acq: 14 Jul 2018 9:22

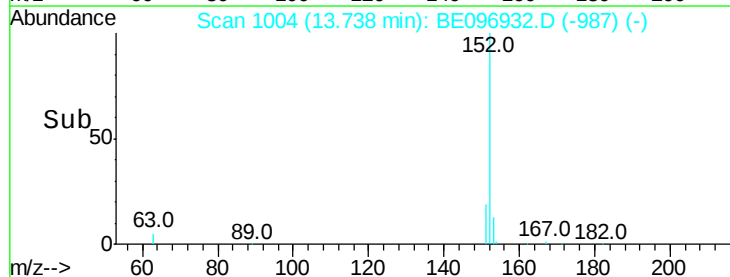
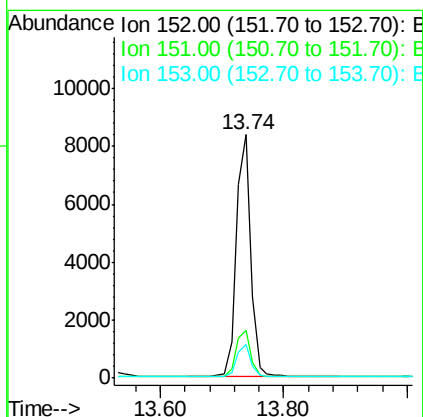
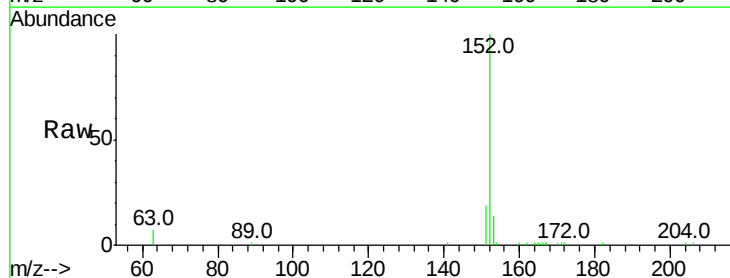
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

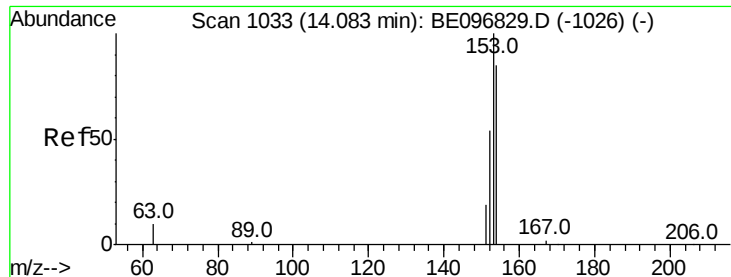
Tot Ion:172 Resp: 11244  
Ion Ratio Lower Upper  
172 100  
171 33.8 29.9 44.9  
170 22.1 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.422 ng  
RT: 13.74 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: BE096932.D  
Acq: 14 Jul 2018 9:22

Tgt Ion:152 Resp: 13639  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.7 23.5  
153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.410 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

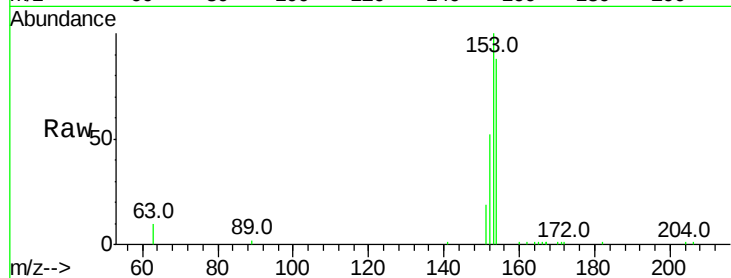
Tot Ion:154 Resp: 8747

Ion Ratio Lower Upper

154 100

153 113.9 89.2 133.8

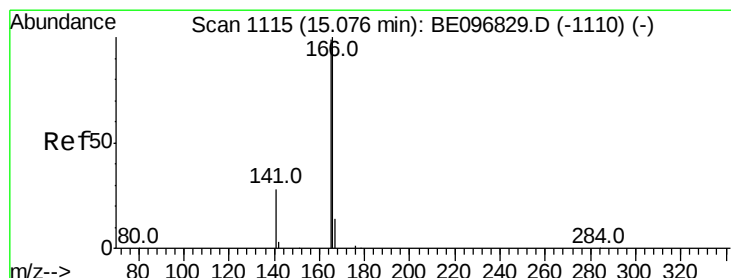
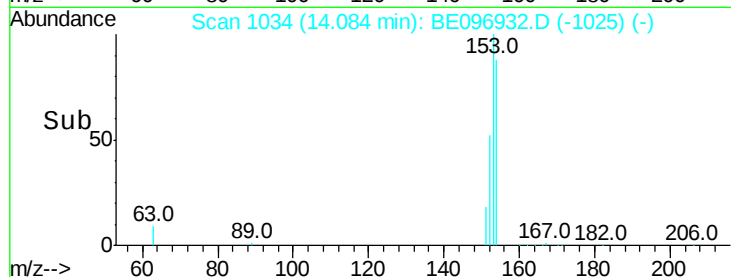
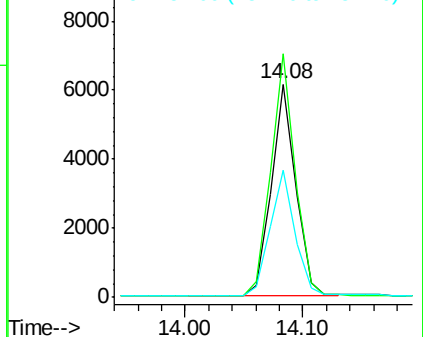
152 60.1 42.0 63.0



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: 0.390 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

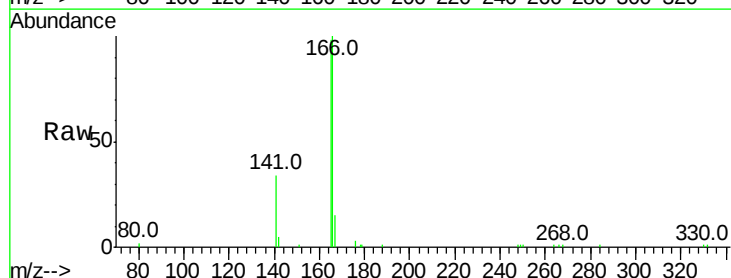
Tgt Ion:166 Resp: 9773

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.6

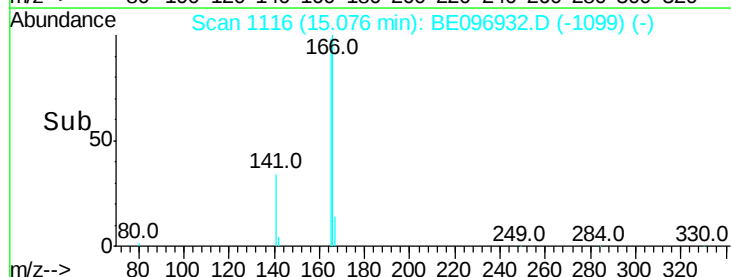
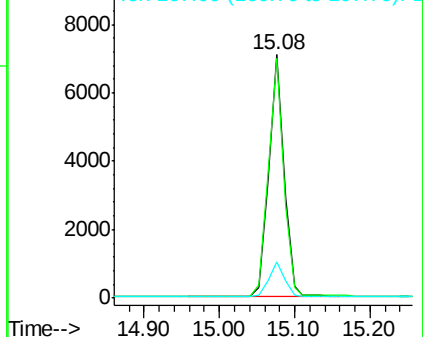
167 14.2 42.4 63.6#

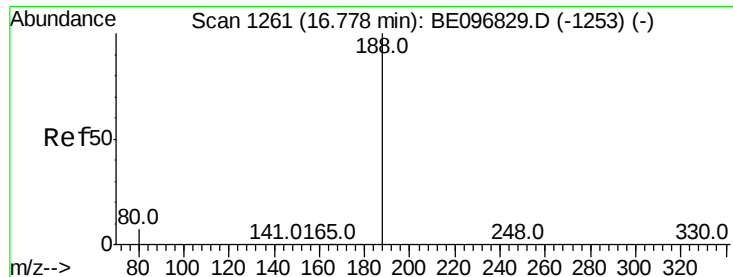


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

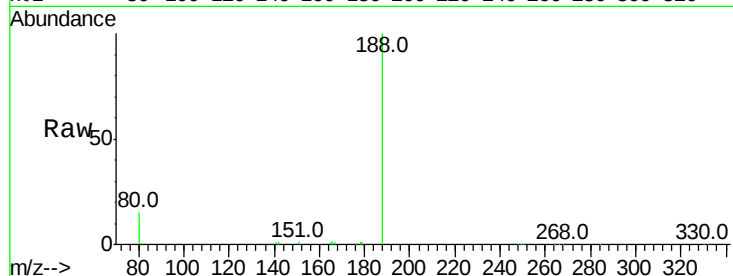
Tot Ion:188 Resp: 17665

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

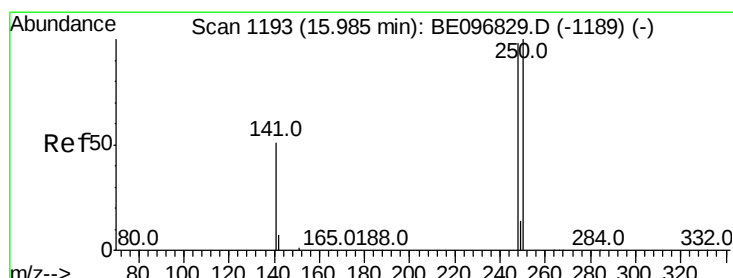
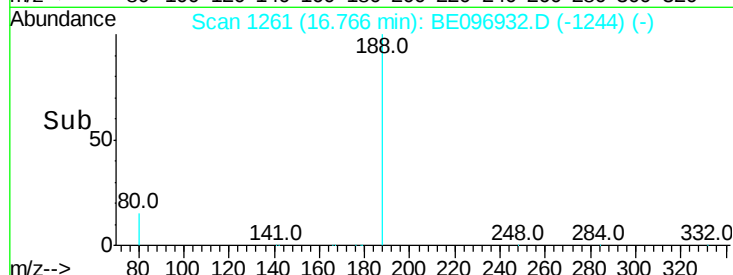
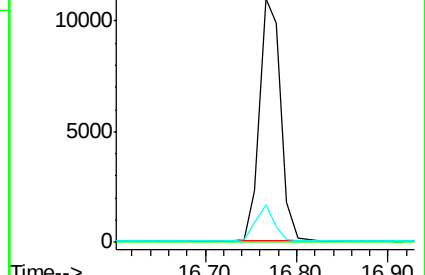
80 15.2 3.6 5.4#



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: 0.412 ng

RT: 15.98 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

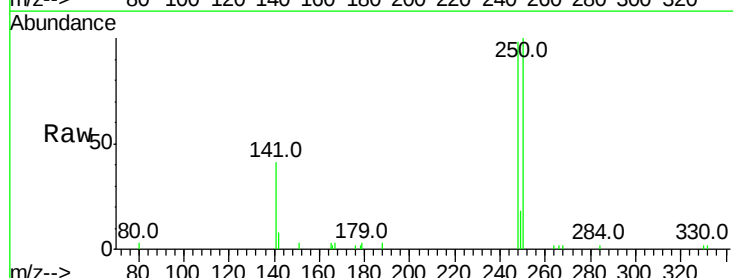
Tgt Ion:248 Resp: 3281

Ion Ratio Lower Upper

248 100

250 102.3 62.7 94.1#

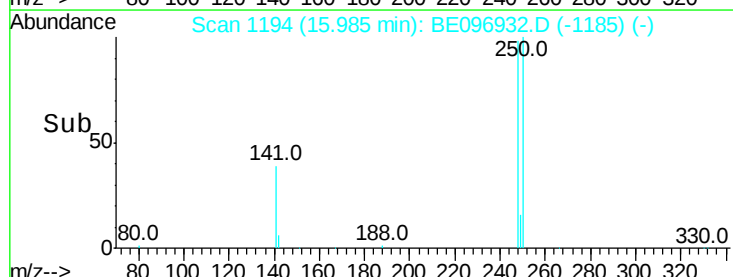
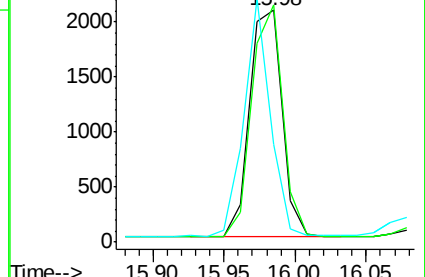
141 41.9 48.2 72.2#

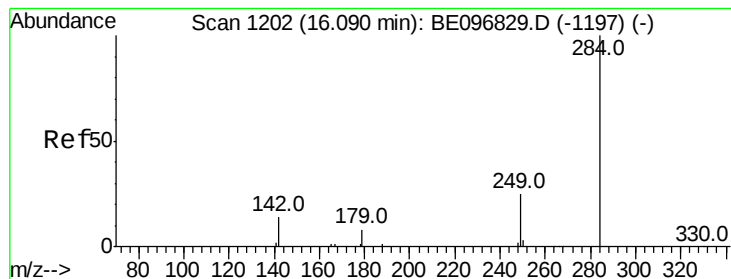


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.419 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

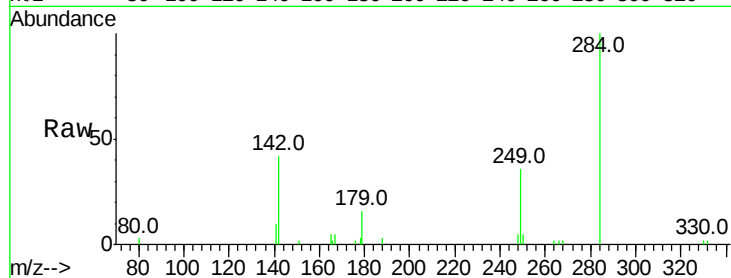
Tot Ion:284 Resp: 3801

Ion Ratio Lower Upper

284 100

142 38.6 22.1 33.1#

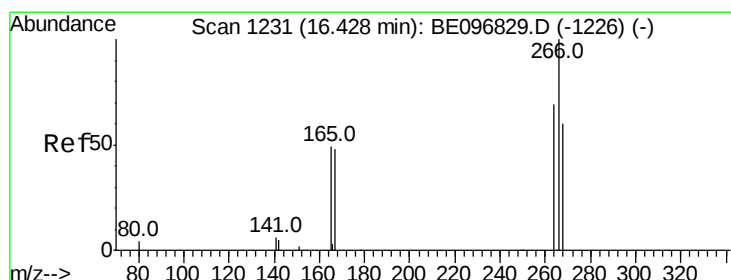
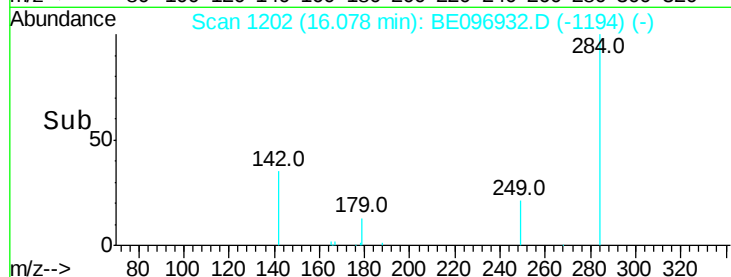
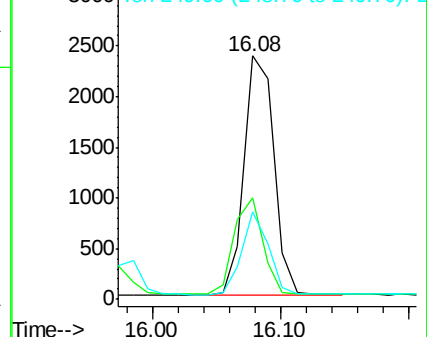
249 31.0 34.8 52.2#



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: 0.520 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

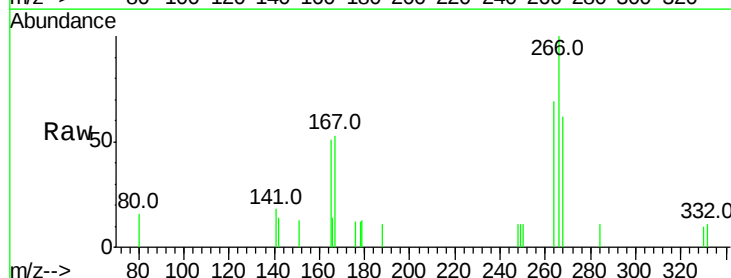
Tgt Ion:266 Resp: 741

Ion Ratio Lower Upper

266 100

264 69.0 72.5 108.7#

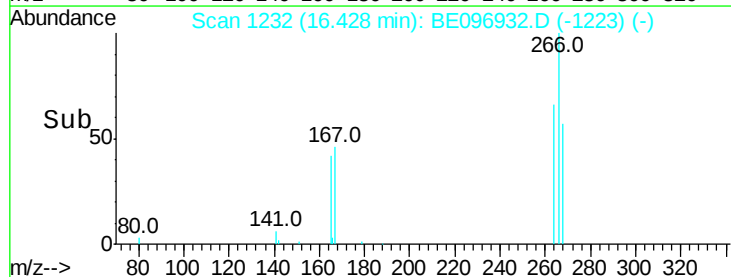
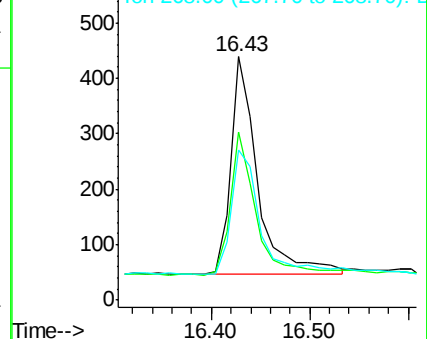
268 62.0 73.8 110.6#

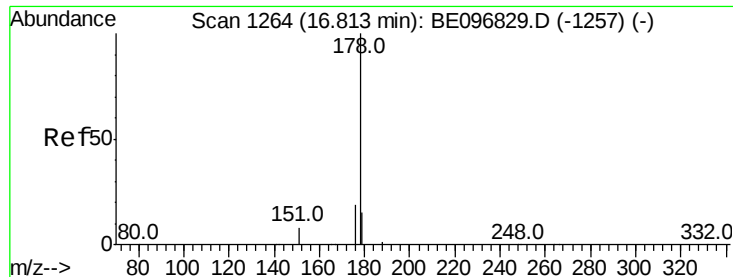


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.398 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

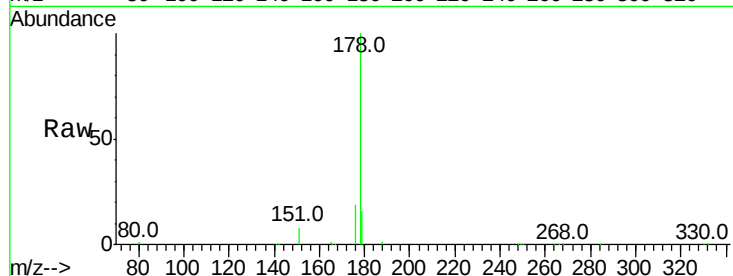
Tot Ion:178 Resp: 17292

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

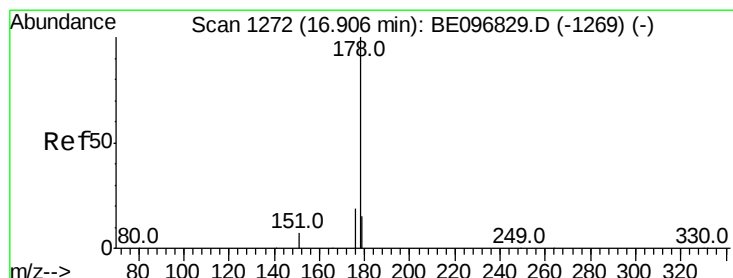
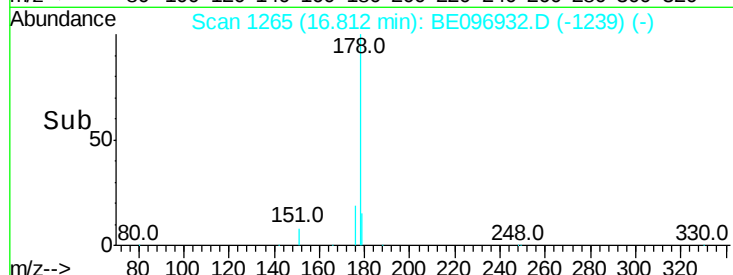
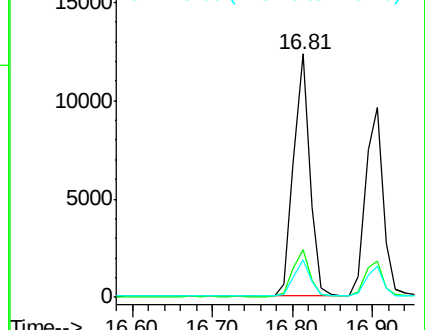
179 15.3 11.8 17.6



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: 0.413 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

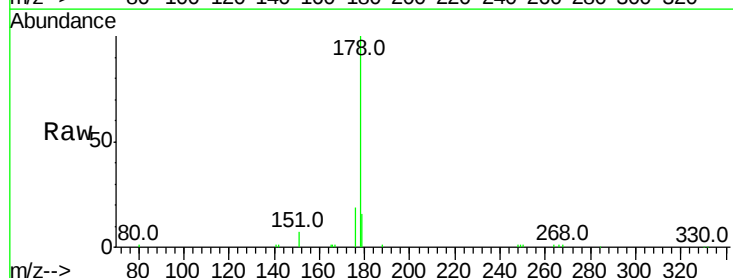
Tgt Ion:178 Resp: 14839

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

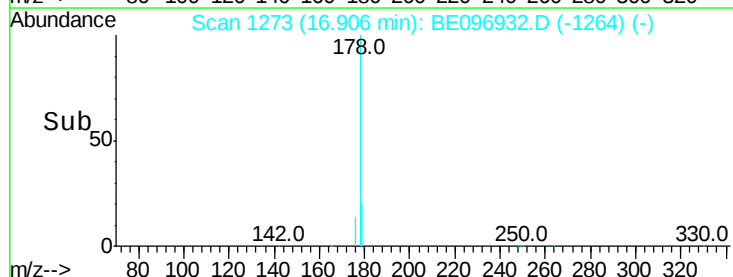
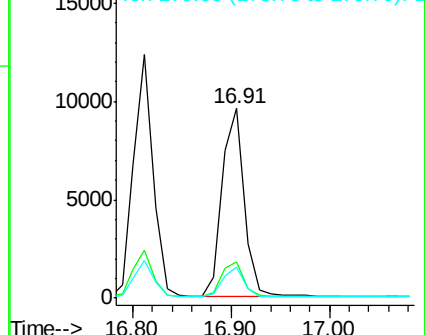
179 15.5 13.0 19.6



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: 0.407 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

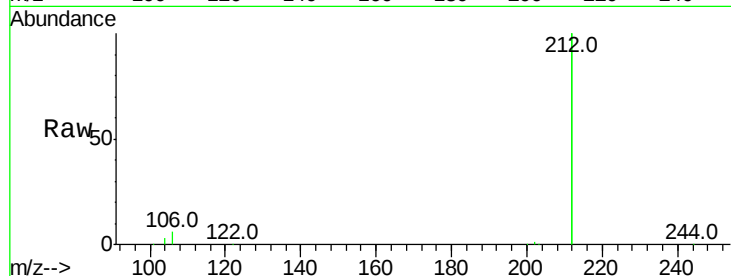
Tot Ion:212 Resp: 63324

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

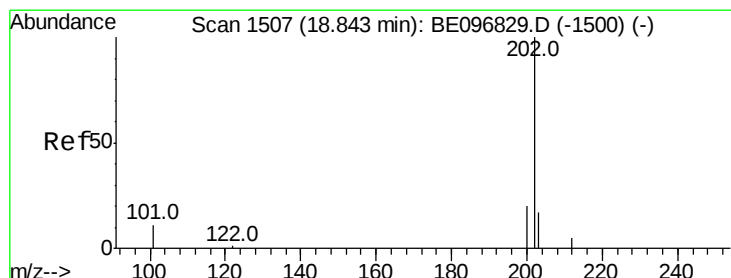
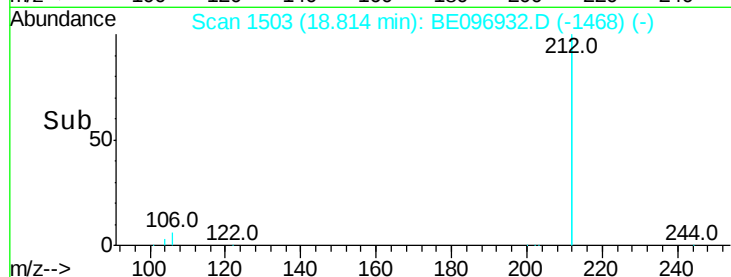
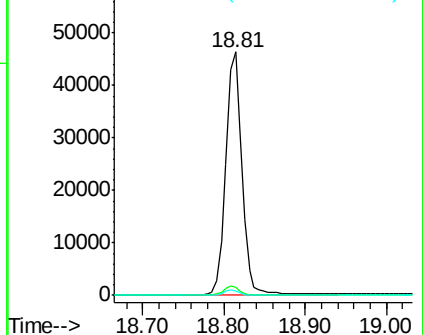
104 1.9 1.6 2.4



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: 0.416 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

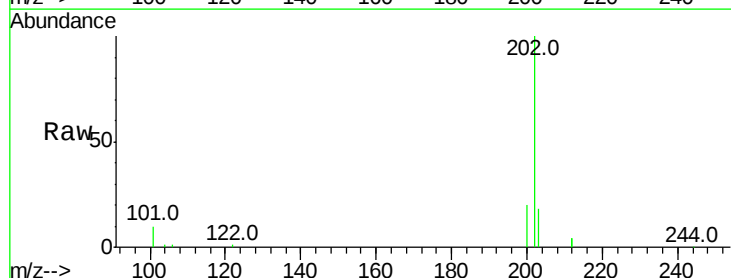
Tgt Ion:202 Resp: 18272

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

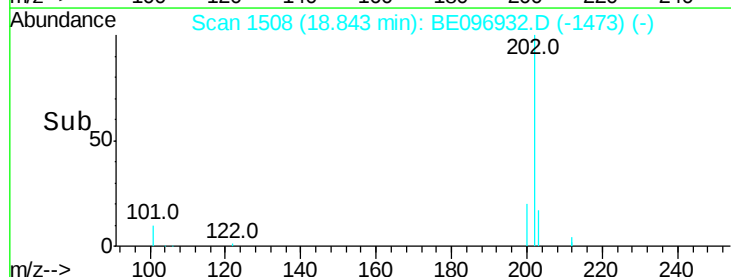
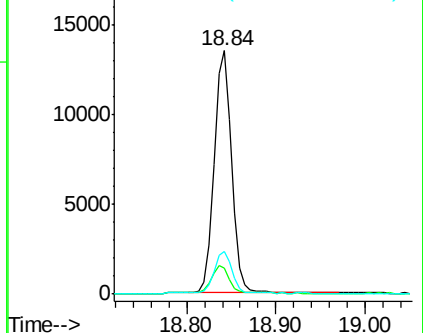
203 17.3 13.7 20.5



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: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

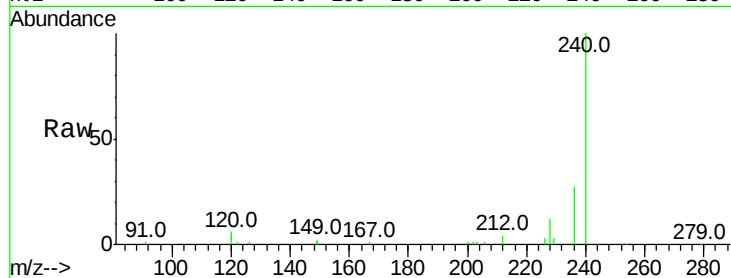
Tot Ion:240 Resp: 16703

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

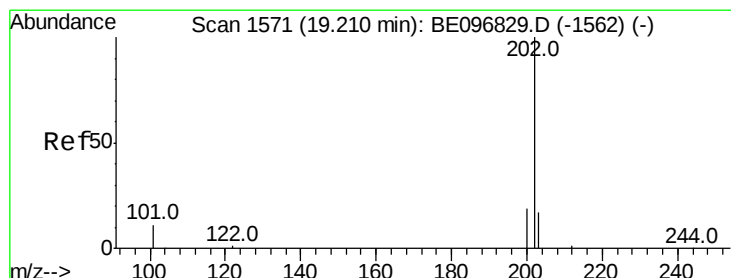
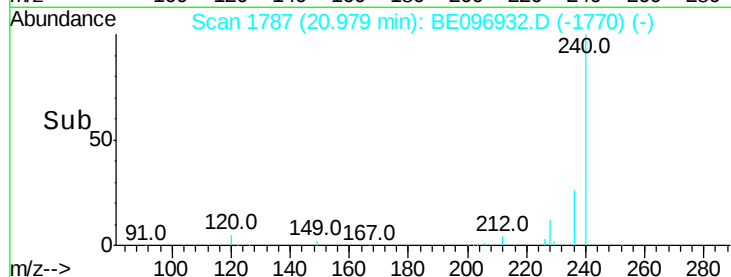
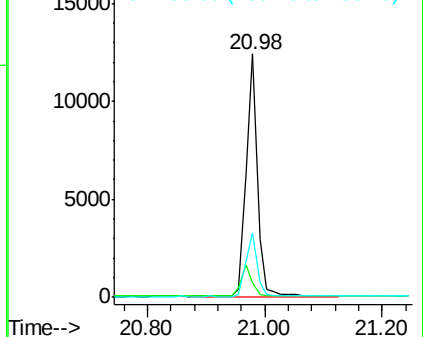
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.378 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

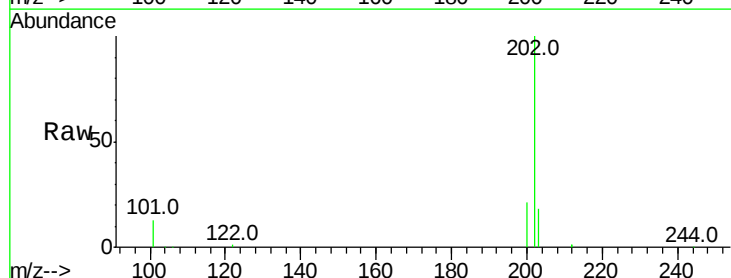
Tgt Ion:202 Resp: 18290

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

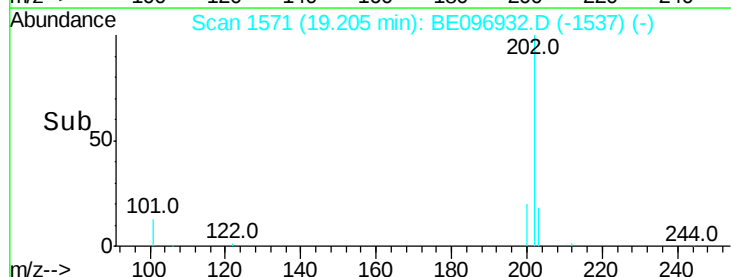
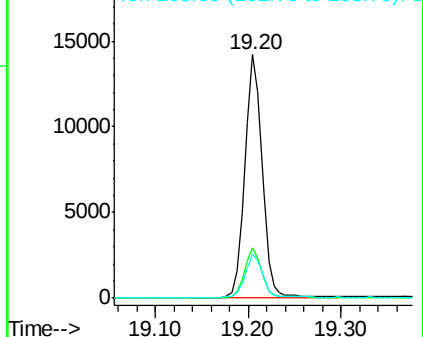
203 17.9 13.8 20.8

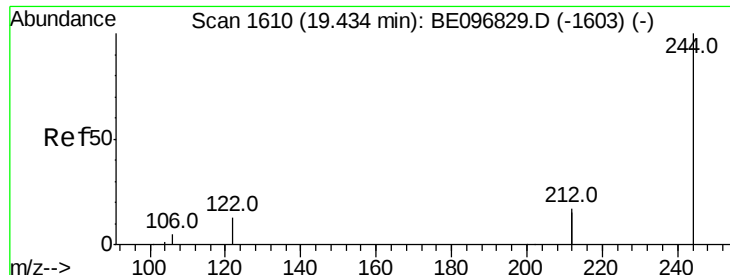


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

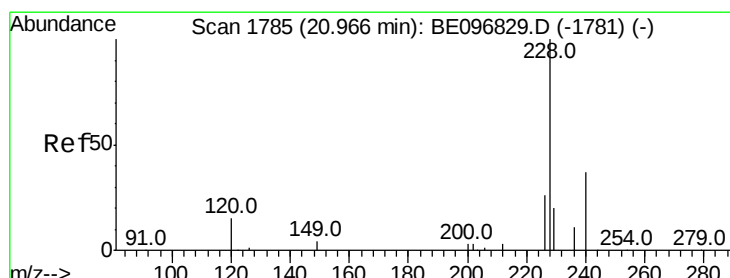
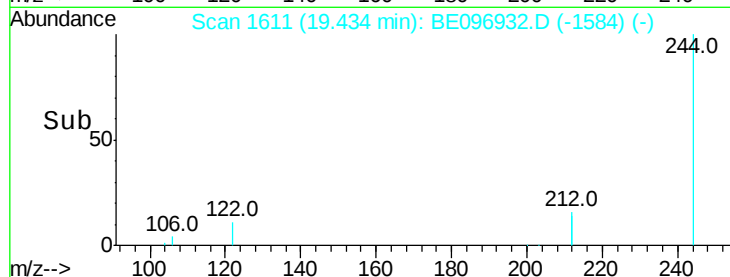
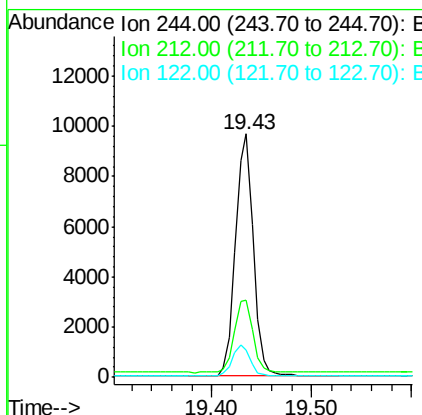
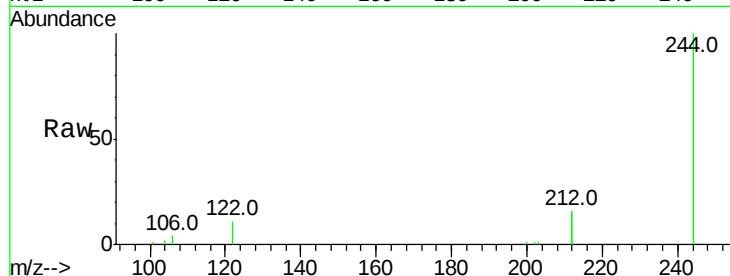




#29  
 Terphenyl-d14  
 Concen: 0.372 ng  
 RT: 19.43 min Scan# 1611  
 Delta R.T. 0.00 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

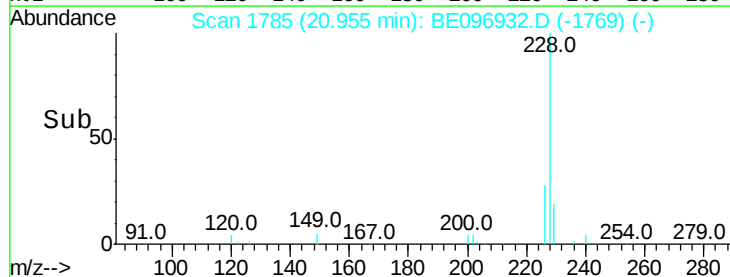
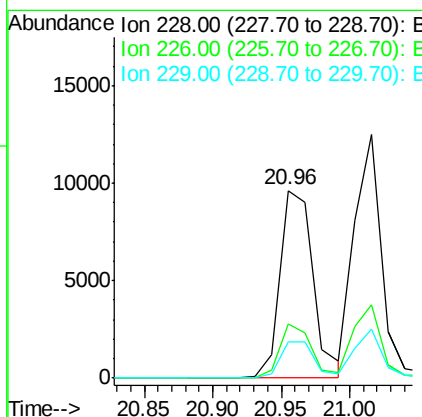
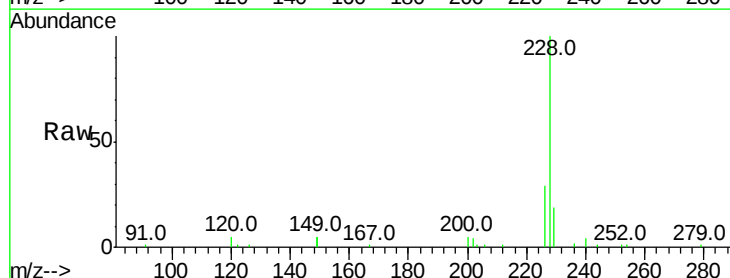
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

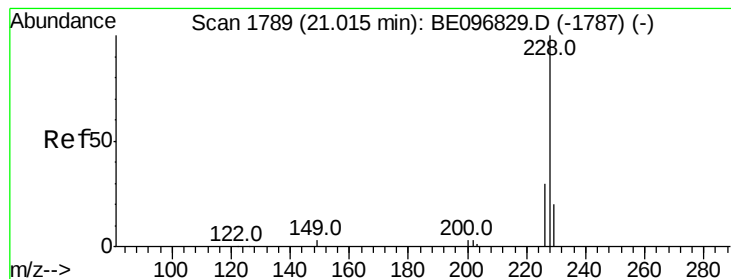
Tot Ion:244 Resp: 11980  
 Ion Ratio Lower Upper  
 244 100  
 212 31.5 25.4 38.0  
 122 11.0 8.1 12.1



#30  
 Benzo(a)anthracene  
 Concen: 0.431 ng  
 RT: 20.96 min Scan# 1785  
 Delta R.T. -0.01 min  
 Lab File: BE096932.D  
 Acq: 14 Jul 2018 9:22

Tgt Ion:228 Resp: 15938  
 Ion Ratio Lower Upper  
 228 100  
 226 28.7 24.0 36.0  
 229 19.1 16.0 24.0





#31

Chrysene

Concen: 0.372 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

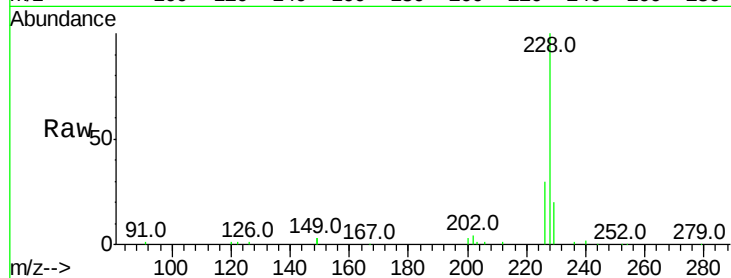
BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 17018

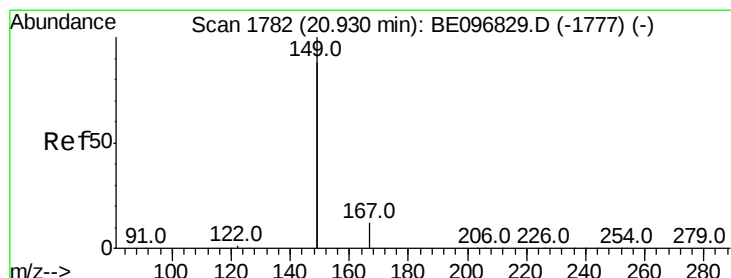
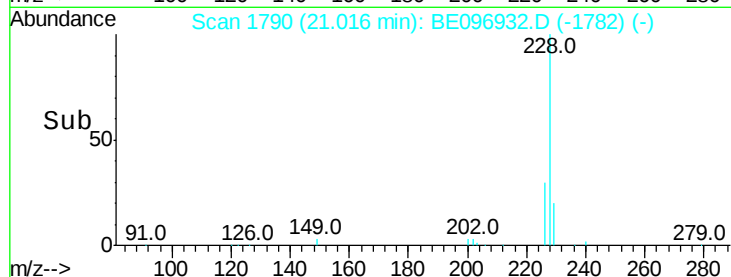
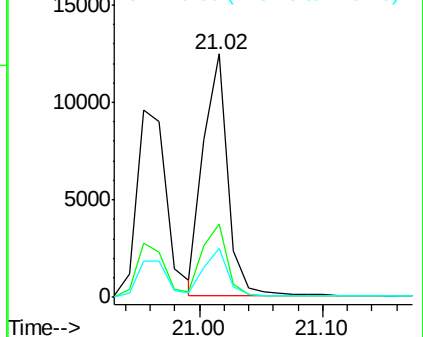
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.9  | 24.0  | 36.0  |
| 229 | 20.1  | 16.0  | 24.0  |



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.640 ng

RT: 20.93 min Scan# 1783

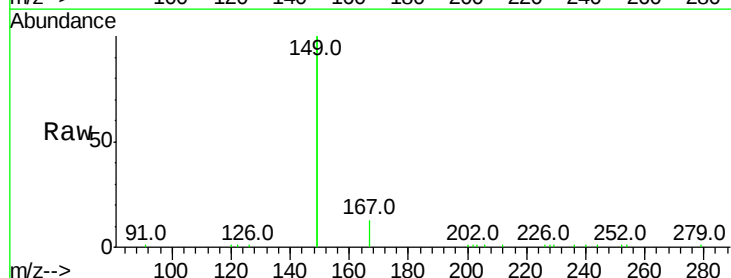
Delta R.T. 0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Tgt Ion:149 Resp: 21206

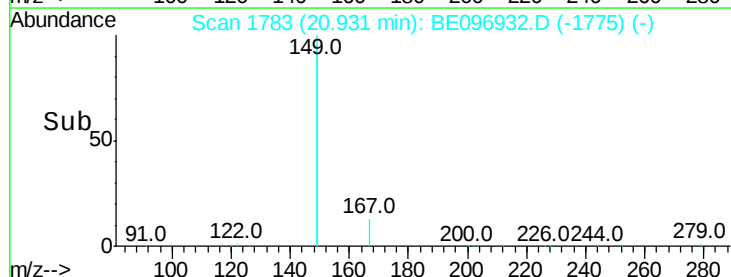
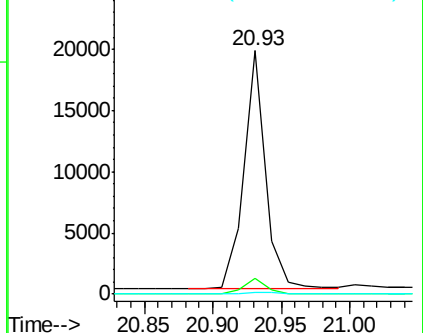
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.3   | 5.4   | 8.0   |
| 279 | 0.8   | 0.7   | 1.1   |



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: 0.516 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

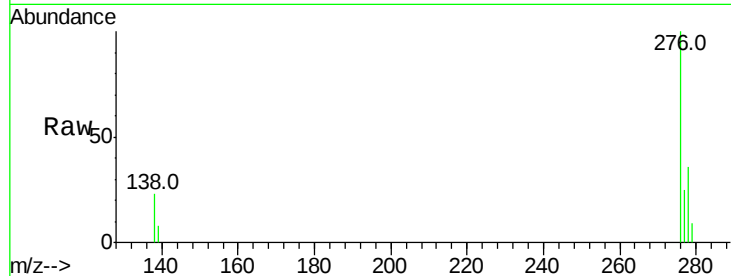
Tot Ion:276 Resp: 17538

Ion Ratio Lower Upper

276 100

138 25.0 22.5 33.7

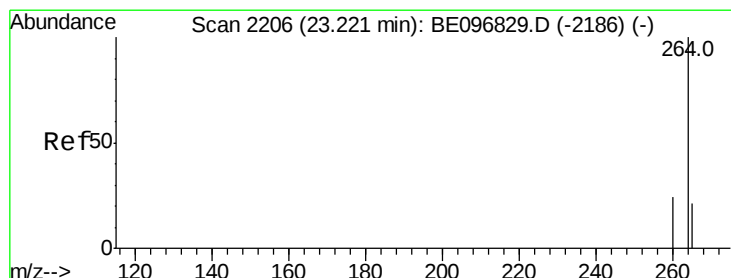
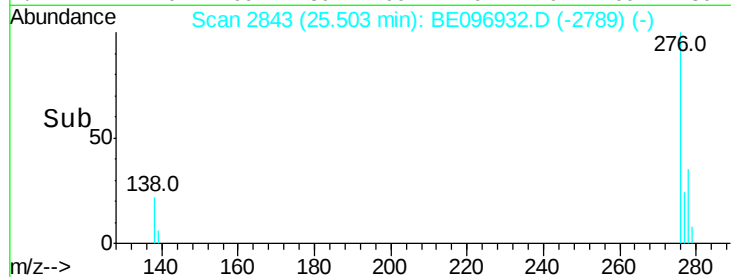
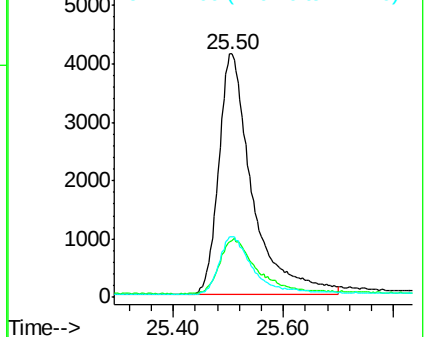
277 25.1 19.9 29.9



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: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

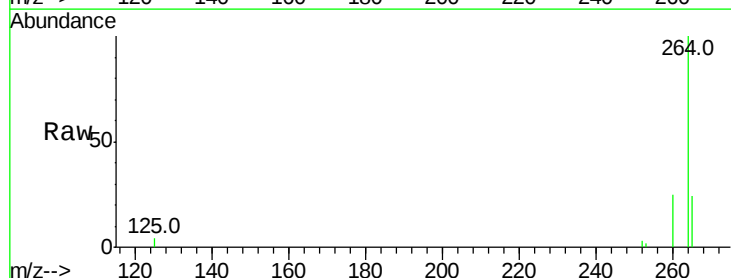
Tgt Ion:264 Resp: 18103

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

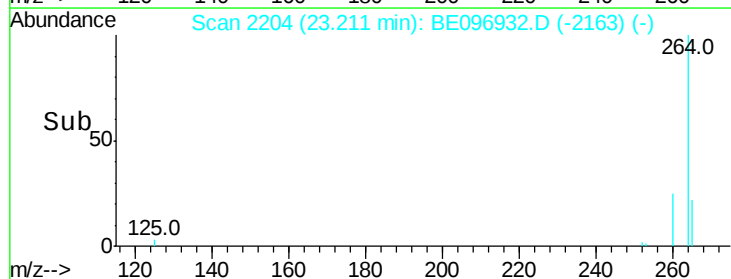
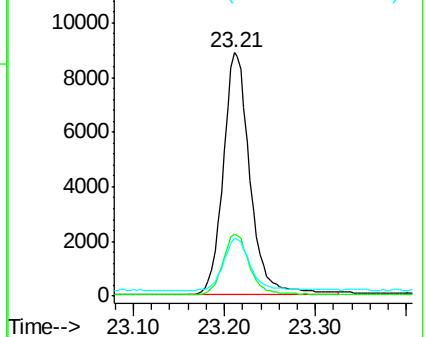
265 23.9 22.8 34.2

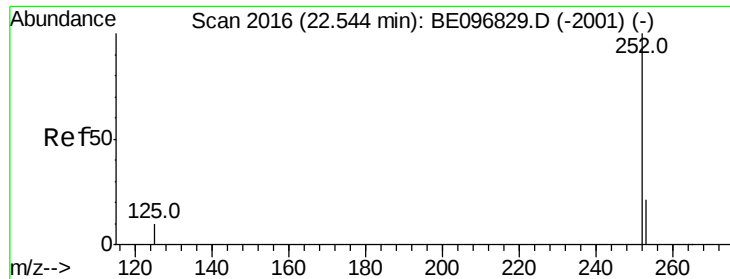


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.317 ng

RT: 22.54 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

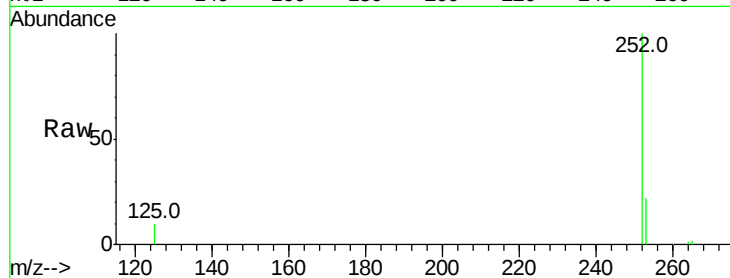
Tot Ion:252 Resp: 15665

Ion Ratio Lower Upper

252 100

253 22.4 20.0 30.0

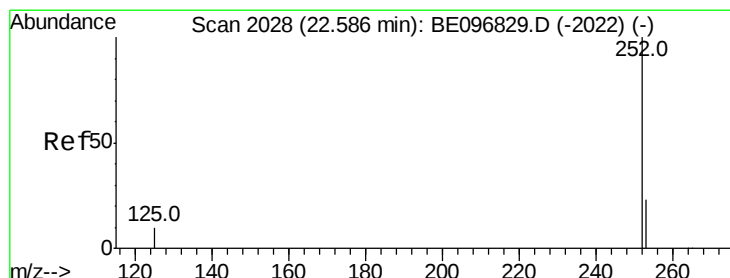
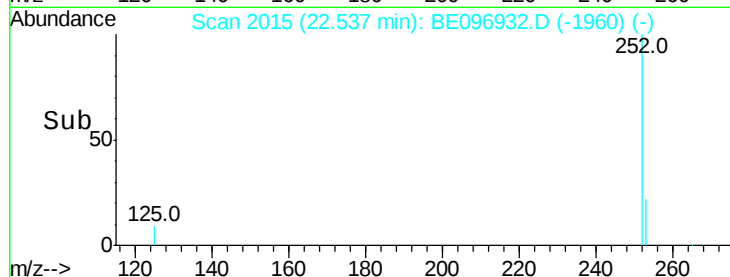
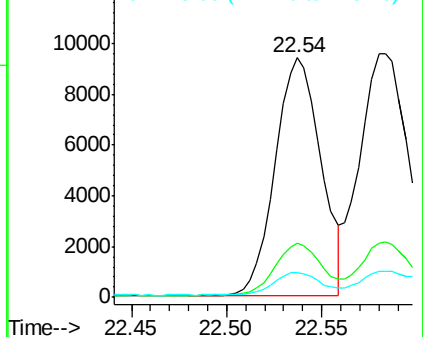
125 10.1 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.354 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

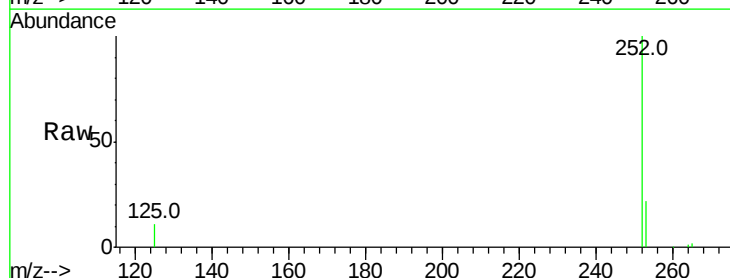
Tgt Ion:252 Resp: 18745

Ion Ratio Lower Upper

252 100

253 22.3 16.0 24.0

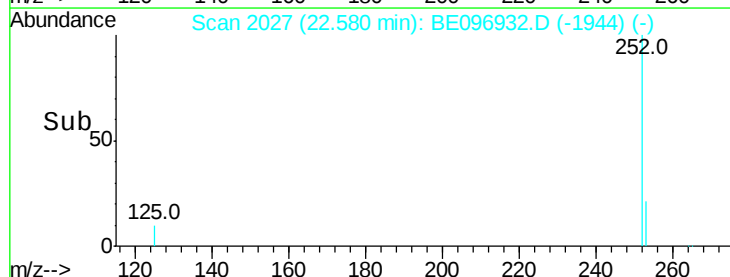
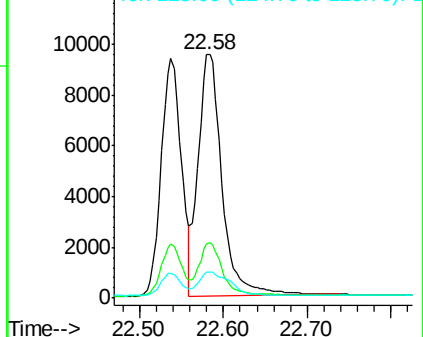
125 10.6 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.383 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

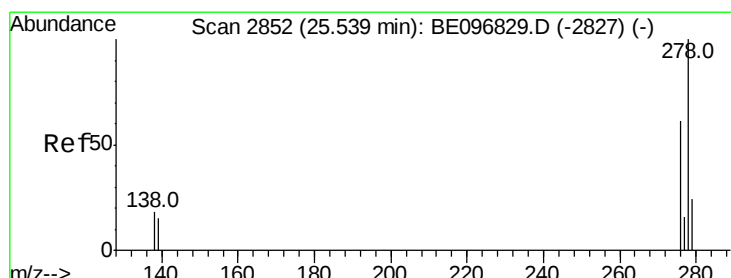
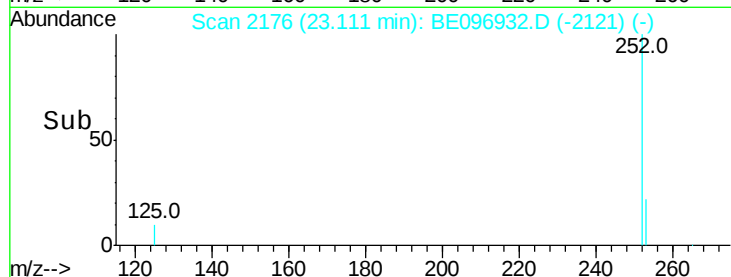
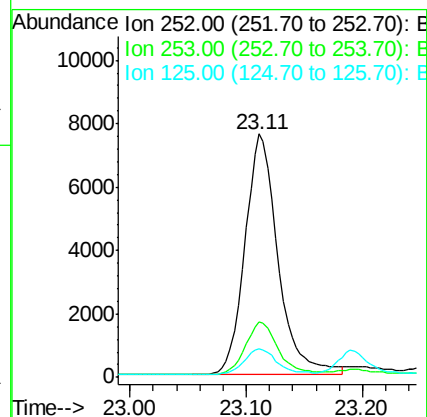
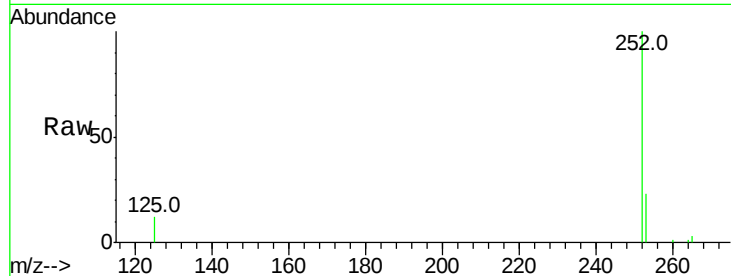
Tot Ion:252 Resp: 15021

Ion Ratio Lower Upper

252 100

253 22.6 16.0 24.0

125 11.5 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.385 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

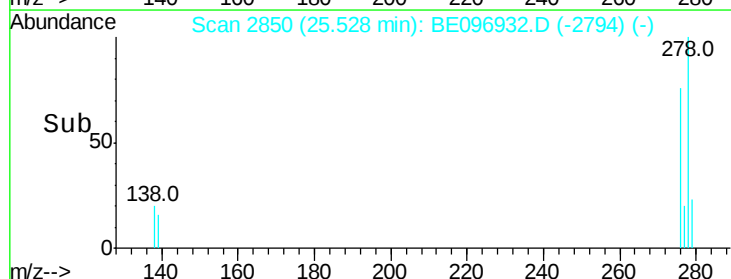
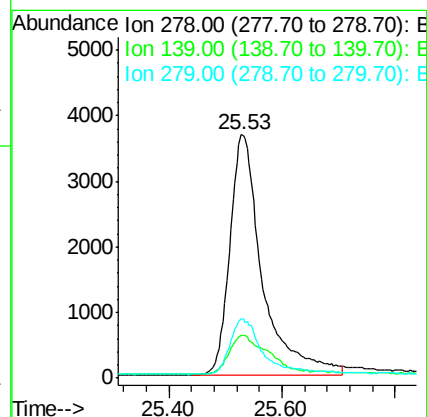
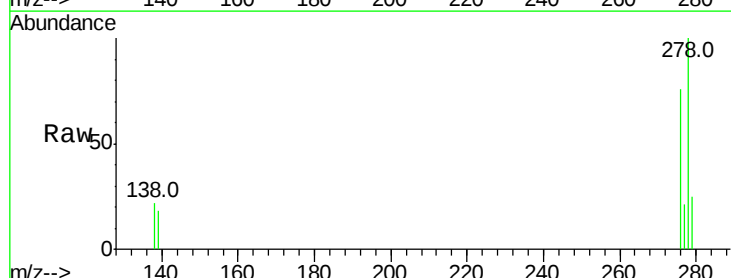
Tgt Ion:278 Resp: 14614

Ion Ratio Lower Upper

278 100

139 17.6 16.0 24.0

279 24.5 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.344 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BE096932.D

Acq: 14 Jul 2018 9:22

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

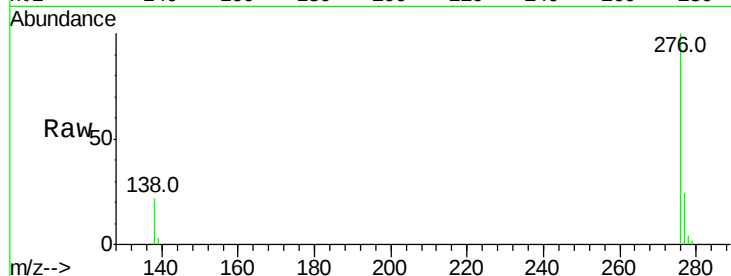
Tot Ion:276 Resp: 15067

Ion Ratio Lower Upper

276 100

277 23.7 16.0 24.0

138 22.3 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

