

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE091718\  
 Data File : BE097495.D  
 Acq On : 17 Sep 2018 14:01  
 Operator : SJ/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE091718

Quant Time: Sep 17 18:57:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE091718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 17 18:57:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 1022     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.13 | 136  | 4908     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.00 | 164  | 2901     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.75 | 188  | 7798     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.97 | 240  | 9730     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 9852     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.05  | 112  | 1348     | 0.39 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 1692     | 0.39 | ng    | -0.01    |
| 8) Nitrobenzene-d5          | 8.52  | 82   | 1475     | 0.37 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152  | 2841     | 0.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330  | 558      | 0.36 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.62 | 172  | 4167     | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.80 | 212  | 37070    | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.42 | 244  | 7722     | 0.41 | ng    | 0.00     |

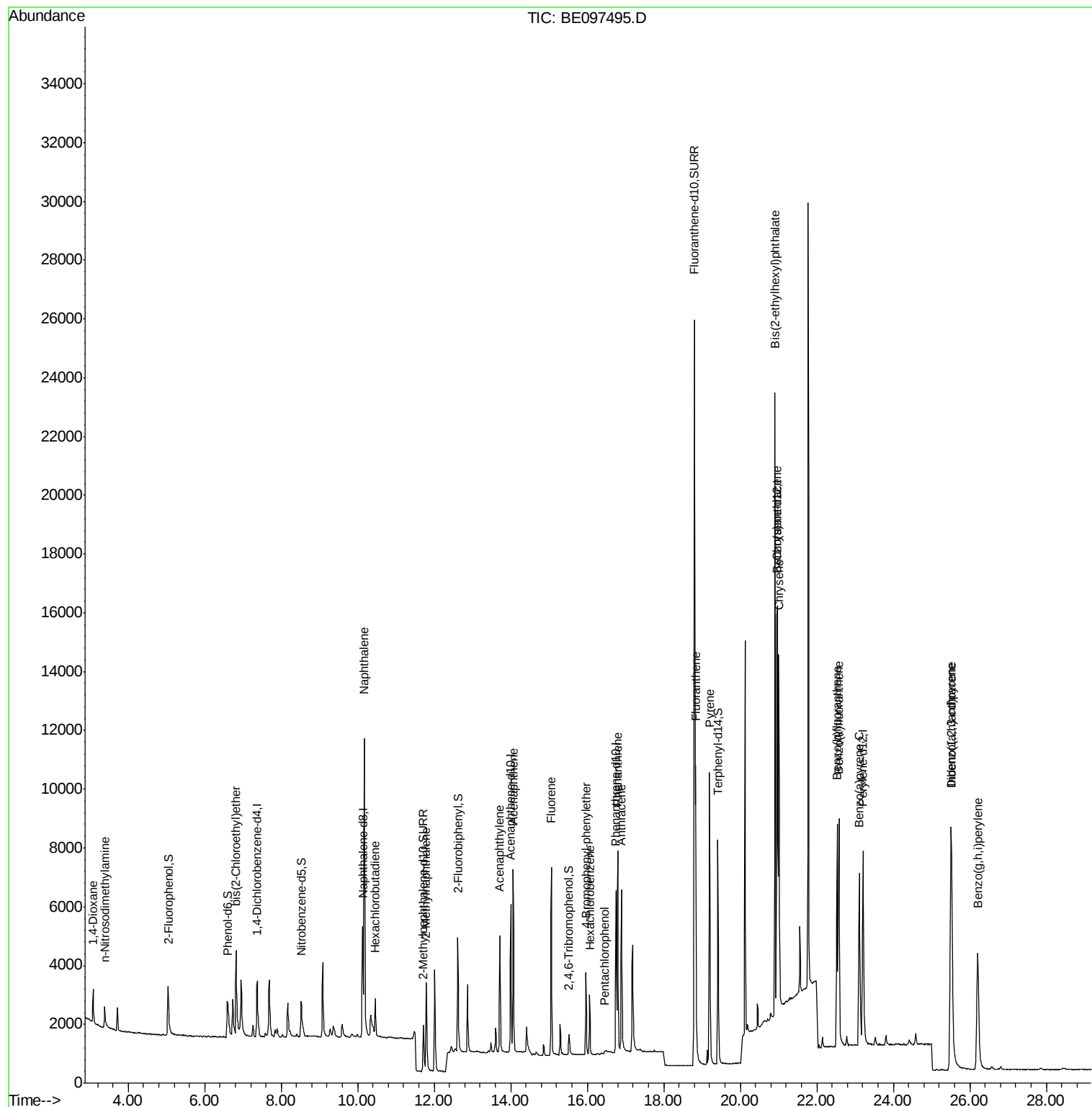
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.08  | 88   | 694      | 0.393 | ng    | # 86   |
| 3) n-Nitrosodimethylamine      | 3.38  | 42   | 628      | 0.425 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 6.82  | 93   | 1404     | 0.400 | ng    | 80     |
| 9) Naphthalene                 | 10.17 | 128  | 18333    | 0.411 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.46 | 225  | 856      | 0.405 | ng    | 95     |
| 12) 2-Methylnaphthalene        | 11.80 | 142  | 2922     | 0.410 | ng    | 96     |
| 16) Acenaphthylene             | 13.72 | 152  | 4756     | 0.377 | ng    | 100    |
| 17) Acenaphthene               | 14.06 | 154  | 3187     | 0.409 | ng    | 97     |
| 18) Fluorene                   | 15.06 | 166  | 4029     | 0.406 | ng    | # 79   |
| 20) 4-Bromophenyl-phenylether  | 15.96 | 248  | 1434     | 0.381 | ng    | # 85   |
| 21) Hexachlorobenzene          | 16.07 | 284  | 1589     | 0.398 | ng    | # 84   |
| 22) Pentachlorophenol          | 16.46 | 266  | 183      | 0.378 | ng    | 90     |
| 23) Phenanthrene               | 16.80 | 178  | 7537     | 0.411 | ng    | 98     |
| 24) Anthracene                 | 16.89 | 178  | 6697     | 0.395 | ng    | 96     |
| 26) Fluoranthene               | 18.83 | 202  | 9487     | 0.397 | ng    | 99     |
| 28) Pyrene                     | 19.20 | 202  | 10371    | 0.414 | ng    | 100    |
| 30) Benzo(a)anthracene         | 20.95 | 228  | 9931     | 0.388 | ng    | 97     |
| 31) Chrysene                   | 21.00 | 228  | 10980    | 0.418 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 21094    | 0.388 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 12898    | 0.412 | ng    | # 92   |
| 35) Benzo(b)fluoranthene       | 22.53 | 252  | 10247    | 0.407 | ng    | # 91   |
| 36) Benzo(k)fluoranthene       | 22.58 | 252  | 11148    | 0.406 | ng    | # 91   |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 10095    | 0.403 | ng    | # 91   |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278  | 10757    | 0.412 | ng    | 94     |
| 39) Benzo(g,h,i)perylene       | 26.21 | 276  | 10628    | 0.399 | ng    | # 88   |

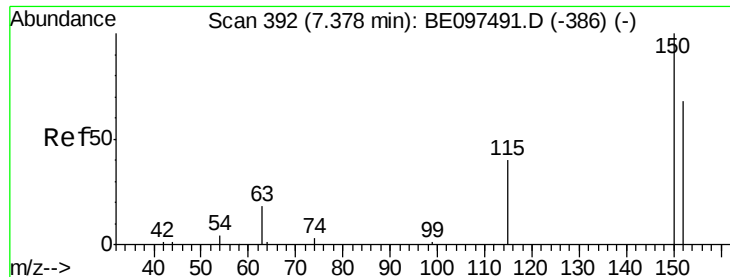
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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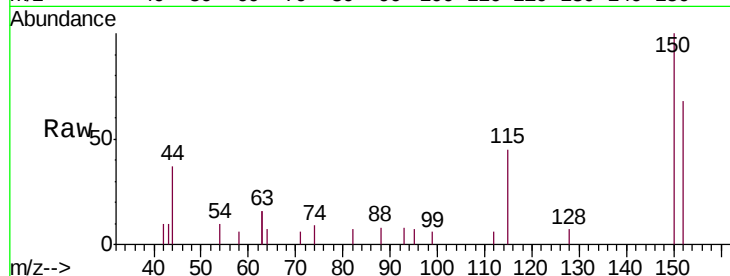


#1

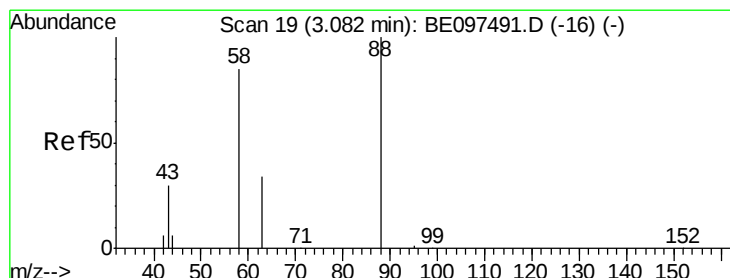
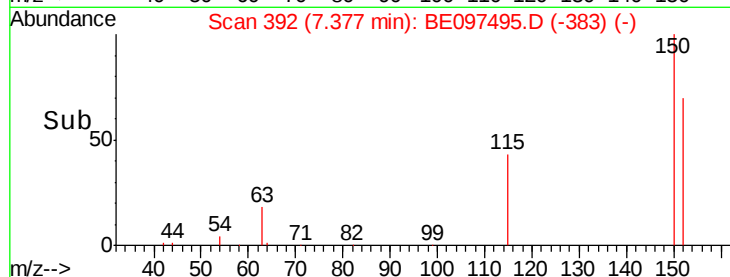
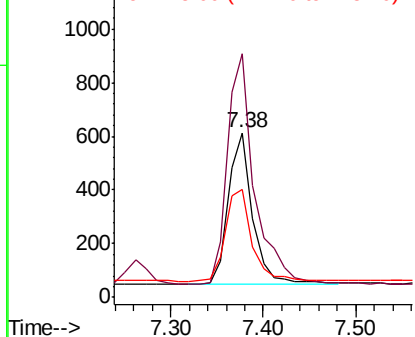
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.38 min Scan# 392  
Delta R.T. -0.00 min  
Lab File: BE097495.D  
Acq: 17 Sep 2018 14:01

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE091718

Tgt Ion: 152 Resp: 1022  
Ion Ratio Lower Upper  
152 100  
150 148.0 117.2 175.8  
115 65.9 57.0 85.6



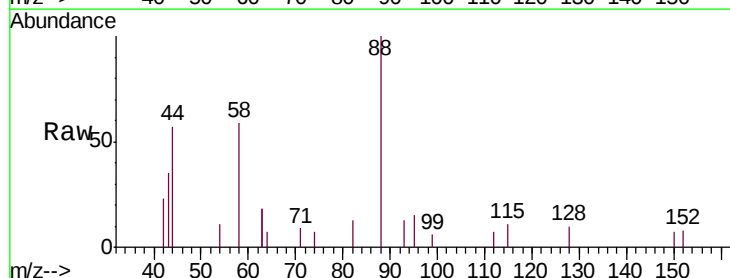
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



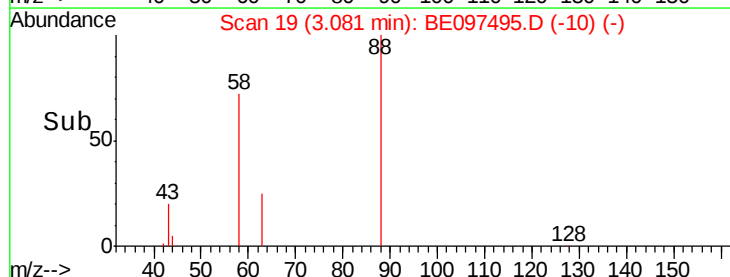
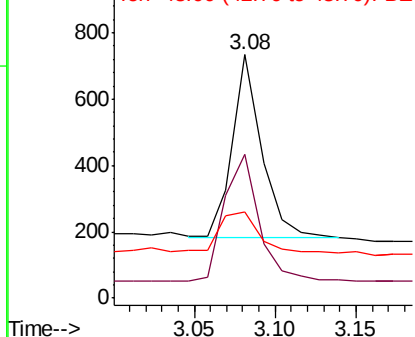
#2

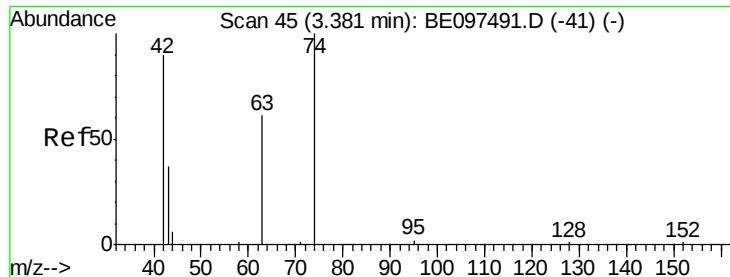
1,4-Dioxane  
Concen: 0.393 ng  
RT: 3.08 min Scan# 19  
Delta R.T. -0.00 min  
Lab File: BE097495.D  
Acq: 17 Sep 2018 14:01

Tgt Ion: 88 Resp: 694  
Ion Ratio Lower Upper  
88 100  
58 82.1 63.2 94.8  
43 29.8 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: 0.425 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

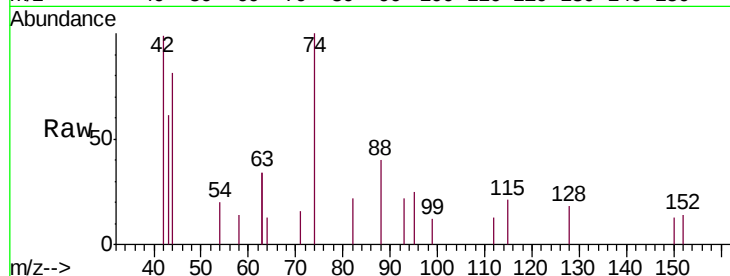
Tgt Ion: 42 Resp: 628

Ion Ratio Lower Upper

42 100

74 120.7 96.0 144.0

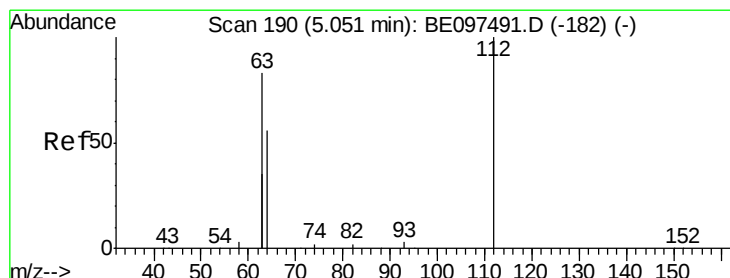
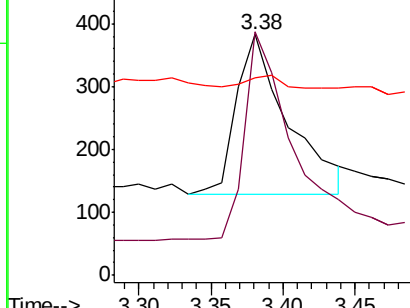
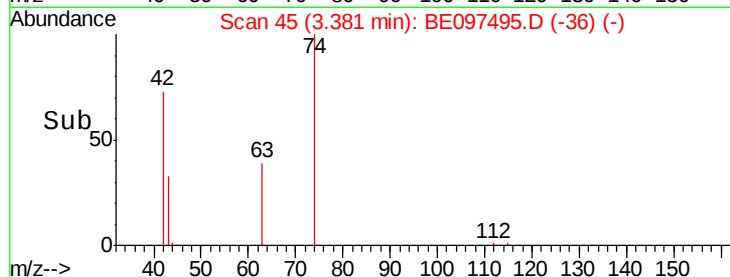
44 5.1 12.0 18.0#



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: 0.389 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

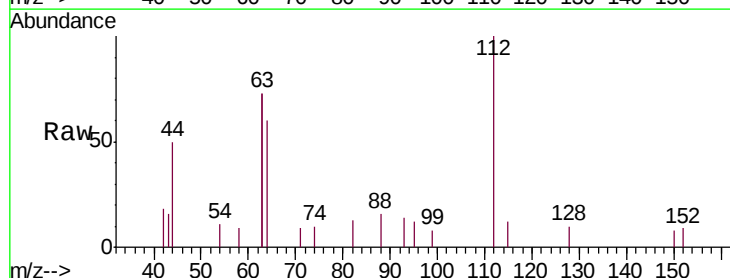
Tgt Ion: 112 Resp: 1348

Ion Ratio Lower Upper

112 100

64 65.9 60.1 90.1

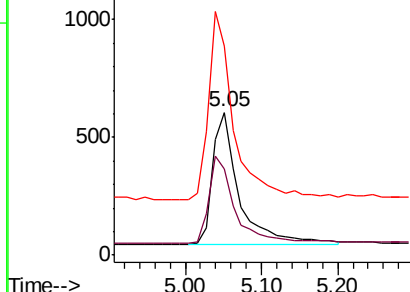
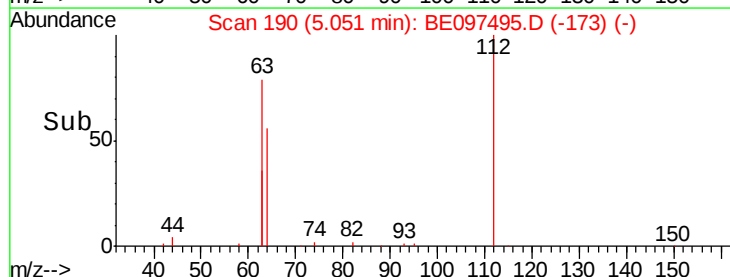
63 136.4 116.8 175.2

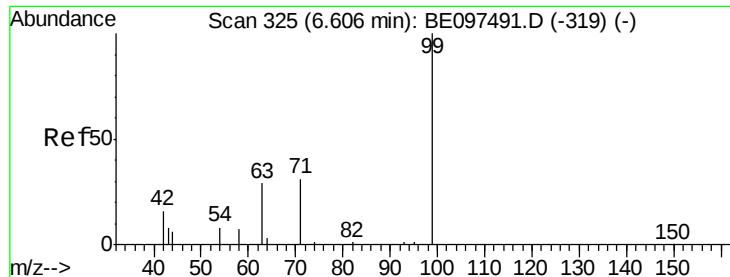


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.385 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

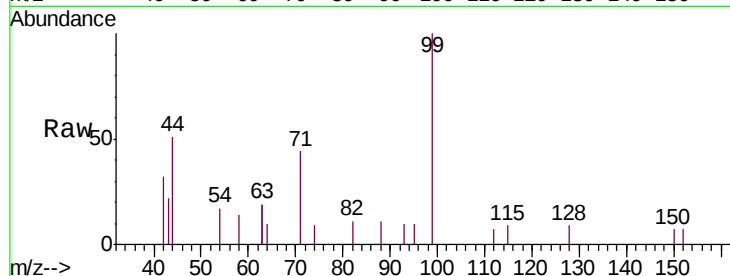
Tgt Ion: 99 Resp: 1692

Ion Ratio Lower Upper

99 100

42 23.0 20.2 30.2

71 34.9 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

6.59

800

600

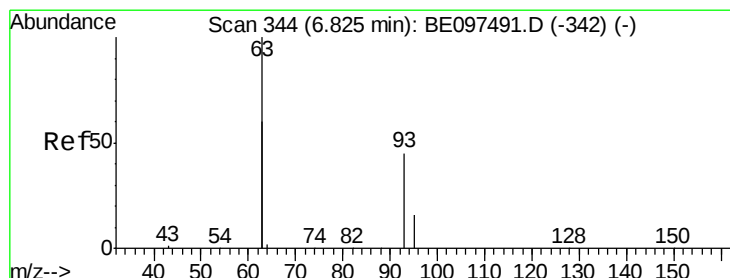
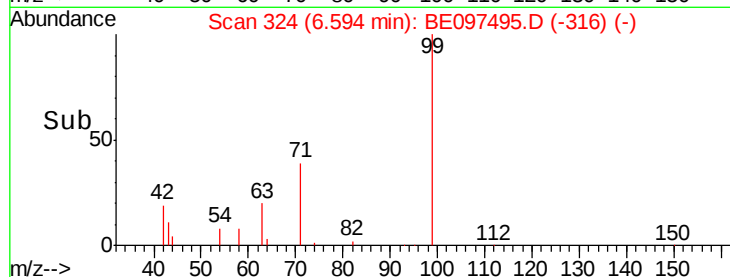
400

200

0

6.50 6.55 6.60 6.65 6.70

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

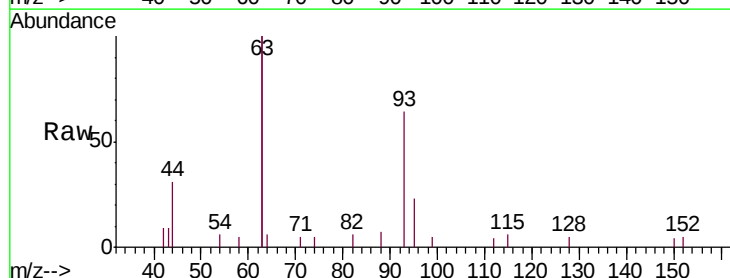
Tgt Ion: 93 Resp: 1404

Ion Ratio Lower Upper

93 100

63 298.4 275.3 412.9

95 33.3 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

3000

2500

2000

1500

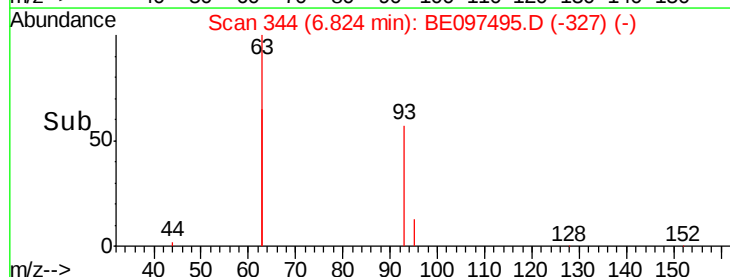
1000

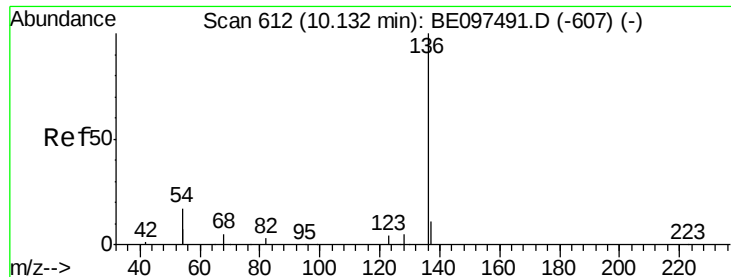
500

0

6.80 6.82 6.84 6.86 6.88 6.90 6.92 6.94 6.96 6.98 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

Tgt Ion:136 Resp: 4908

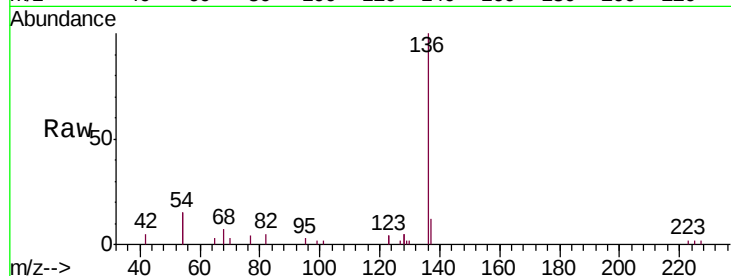
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 29.9 29.1 43.7

68 7.1 6.2 9.2

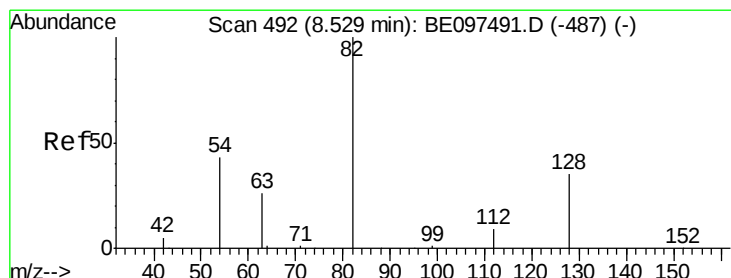
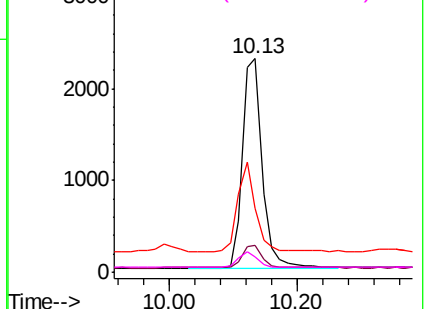
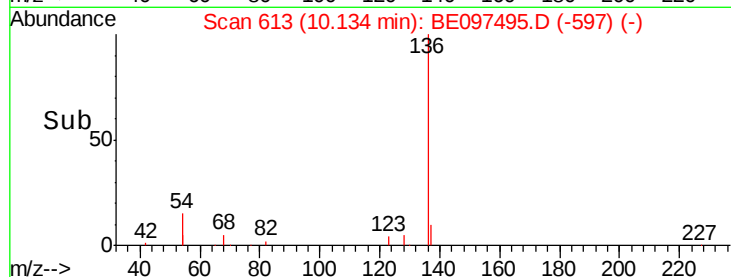


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

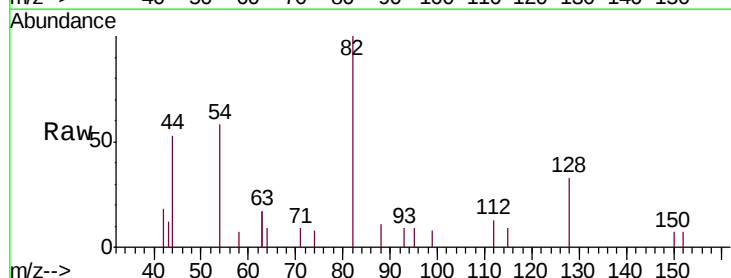
Tgt Ion: 82 Resp: 1475

Ion Ratio Lower Upper

82 100

128 32.9 24.0 36.0

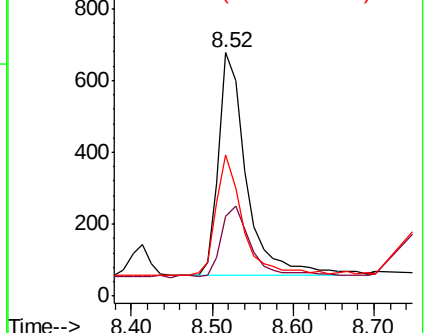
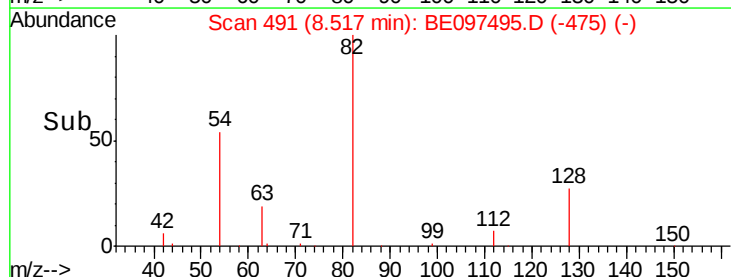
54 57.9 40.0 60.0

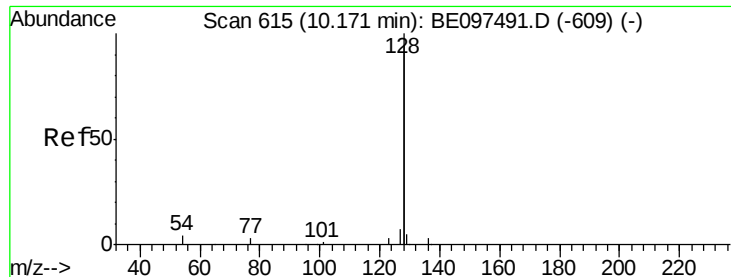


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.17 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097495.D

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ICVBE091718

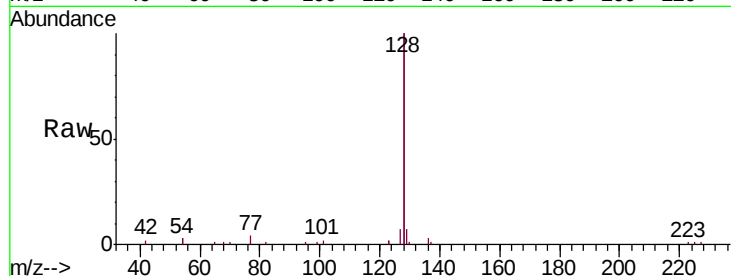
Tgt Ion:128 Resp: 18333

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

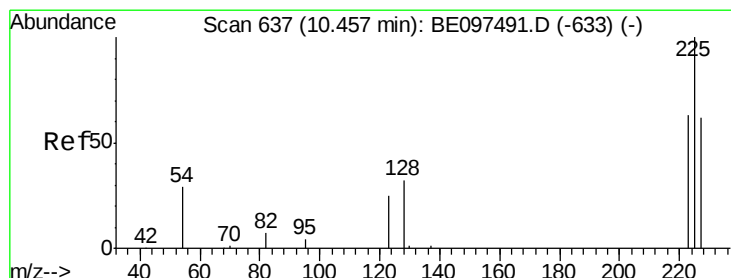
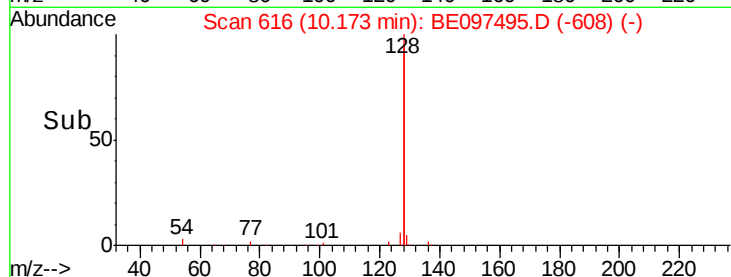
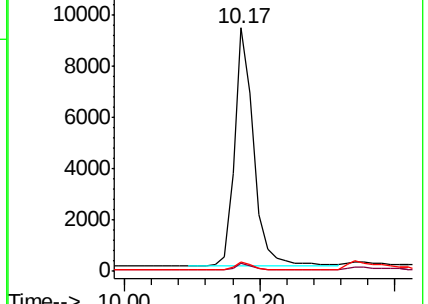
127 3.6 2.8 4.2



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: 0.405 ng

RT: 10.46 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

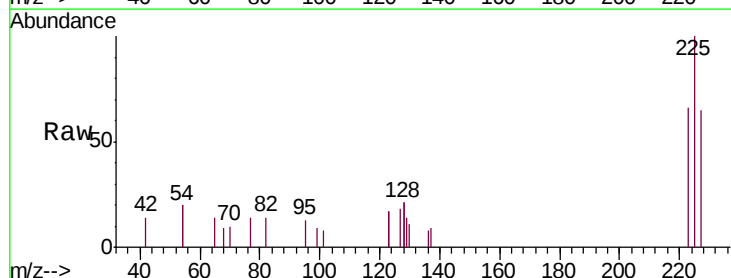
Tgt Ion:225 Resp: 856

Ion Ratio Lower Upper

225 100

223 60.9 53.0 79.6

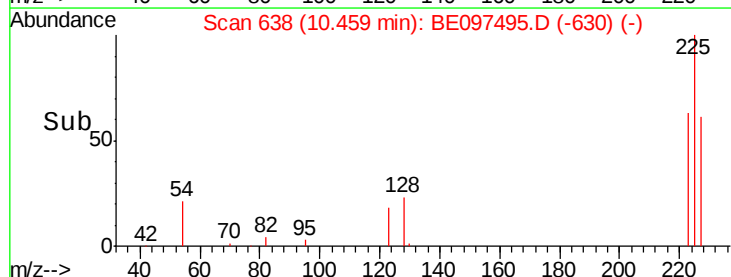
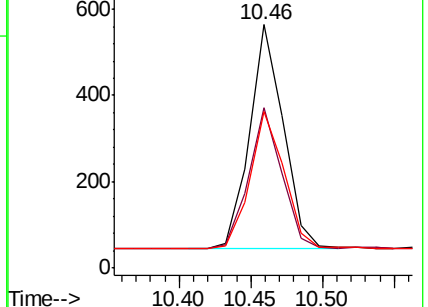
227 61.7 51.4 77.2

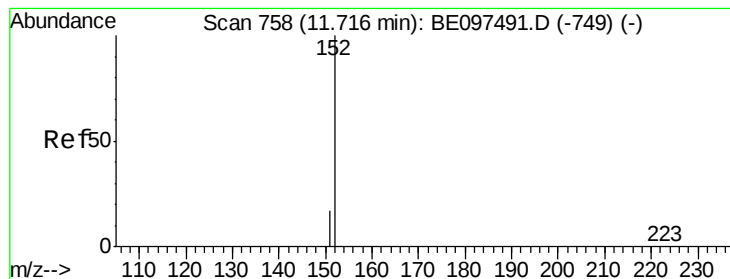


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

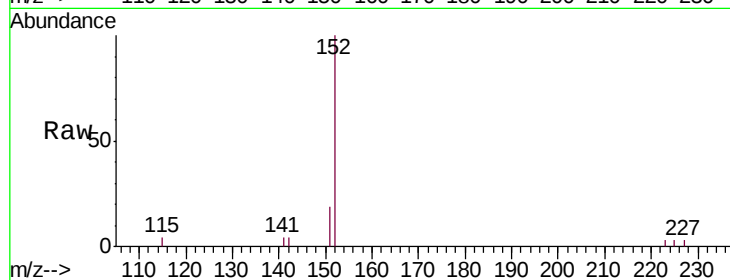
ICVBE091718

Tgt Ion:152 Resp: 2841

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

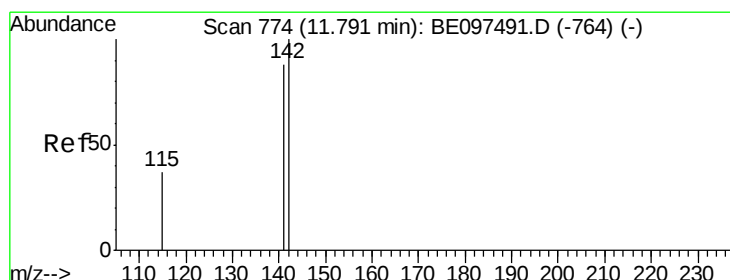
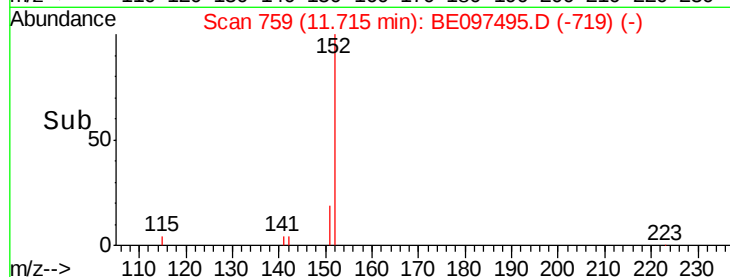
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 11.80 min Scan# 776

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

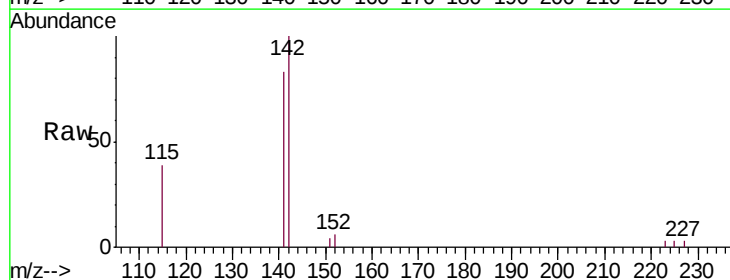
Tgt Ion:142 Resp: 2922

Ion Ratio Lower Upper

142 100

141 83.2 70.4 105.6

115 39.4 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

11.80

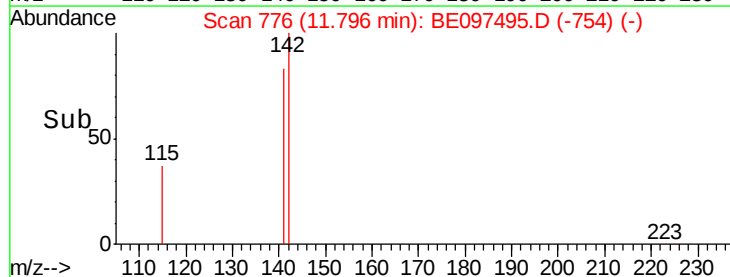
1500

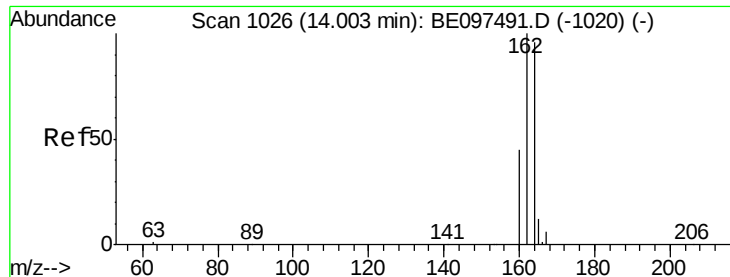
1000

500

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

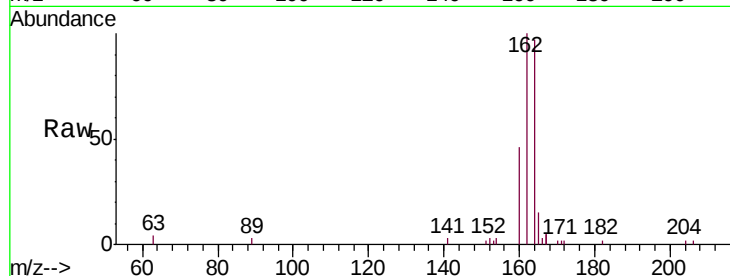
Tgt Ion:164 Resp: 2901

Ion Ratio Lower Upper

164 100

162 102.9 83.1 124.7

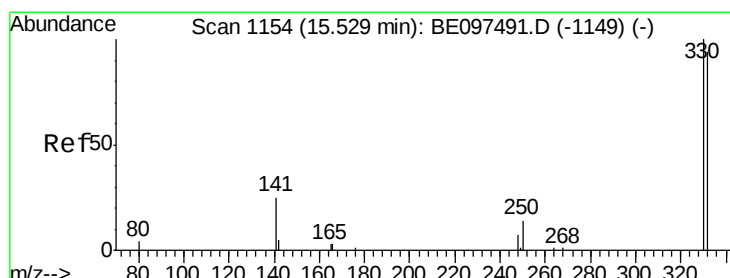
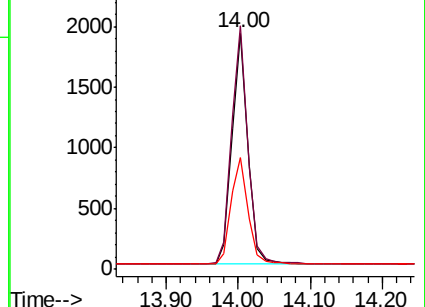
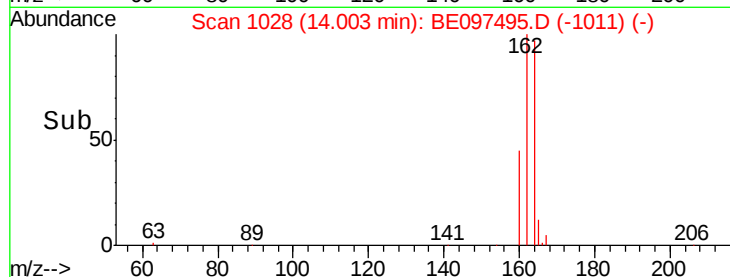
160 47.2 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.364 ng

RT: 15.52 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

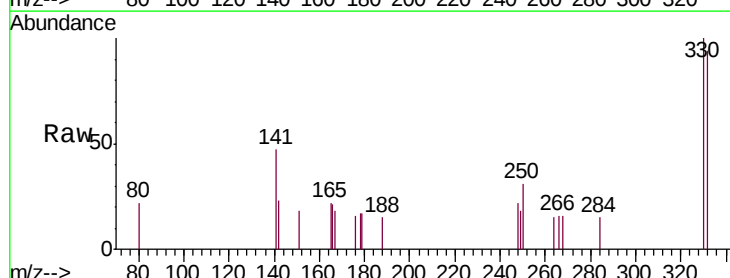
Tgt Ion:330 Resp: 558

Ion Ratio Lower Upper

330 100

332 94.8 152.7 229.1#

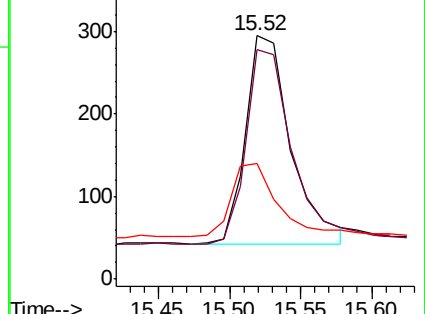
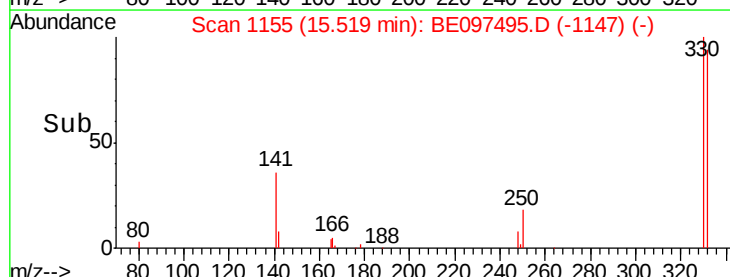
141 34.6 33.7 50.5

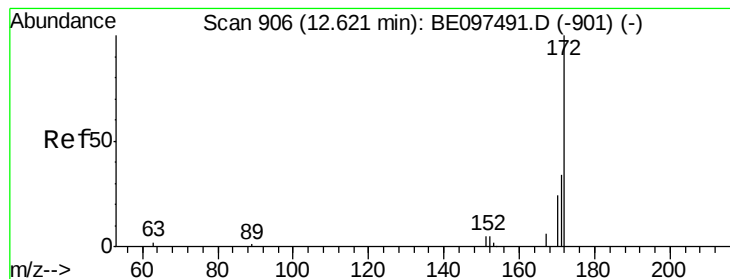


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.411 ng

RT: 12.62 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

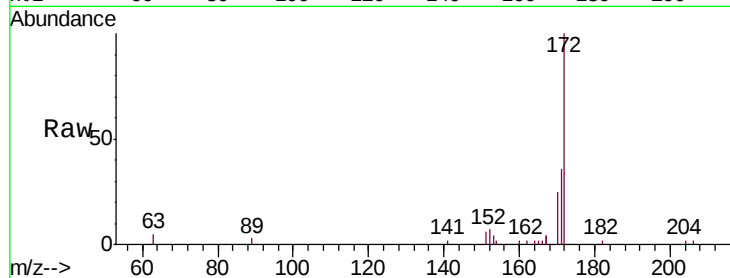
Tgt Ion:172 Resp: 4167

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

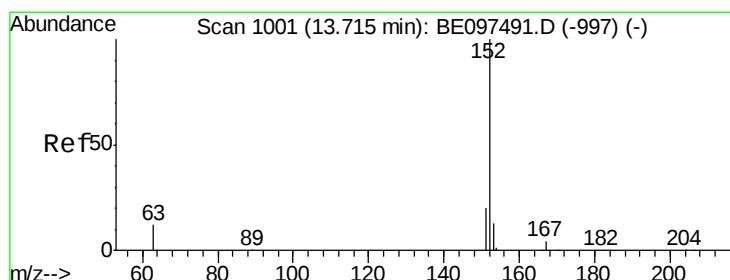
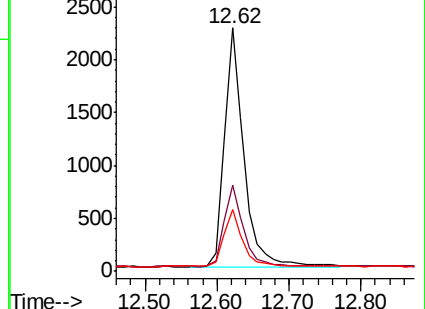
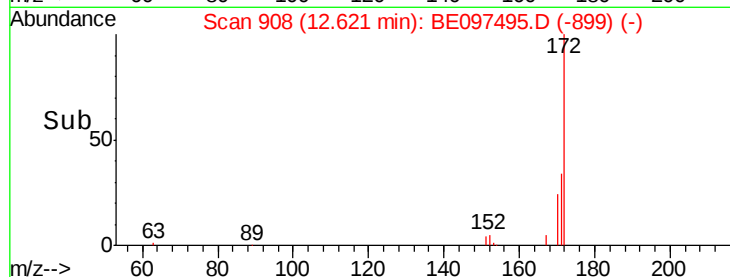
170 25.2 21.8 32.8



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: 0.377 ng

RT: 13.72 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

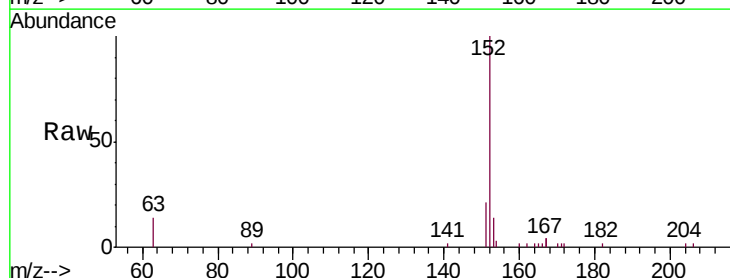
Tgt Ion:152 Resp: 4756

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

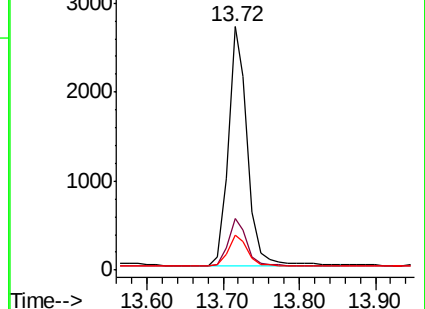
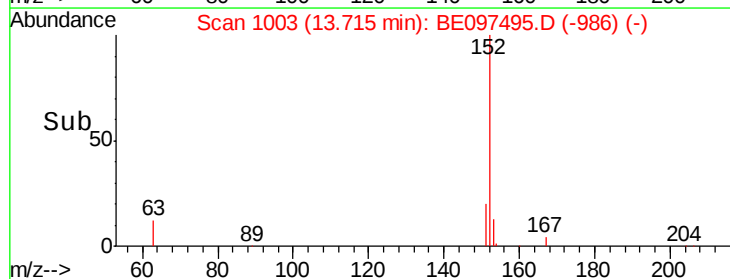
153 13.1 10.5 15.7

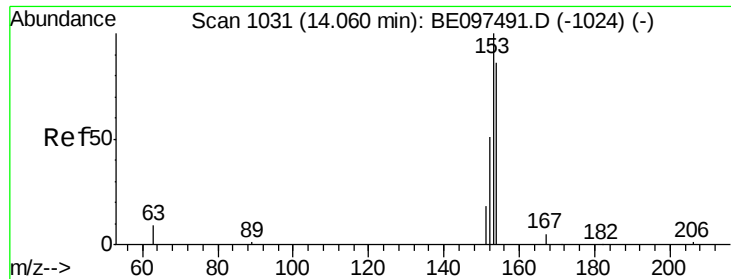


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.409 ng

RT: 14.06 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

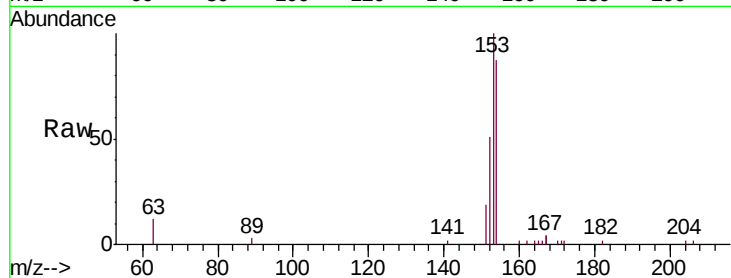
Tgt Ion:154 Resp: 3187

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

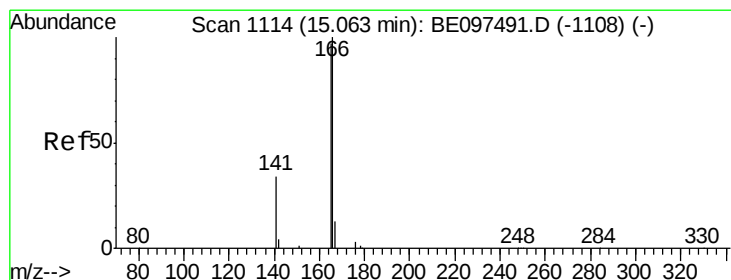
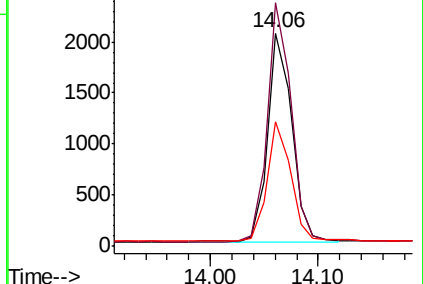
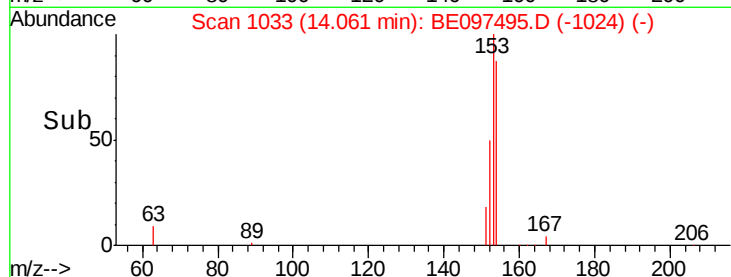
152 56.2 42.0 63.0



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: 0.406 ng

RT: 15.06 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

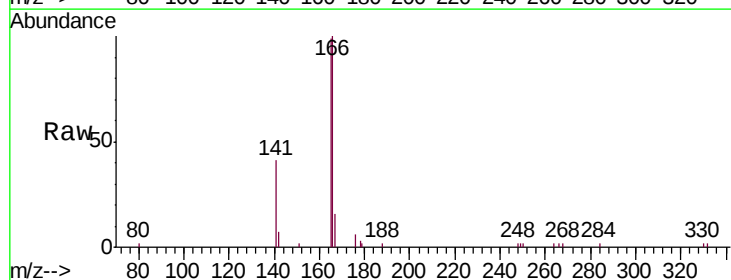
Tgt Ion:166 Resp: 4029

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

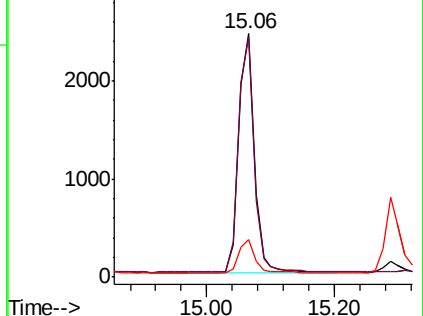
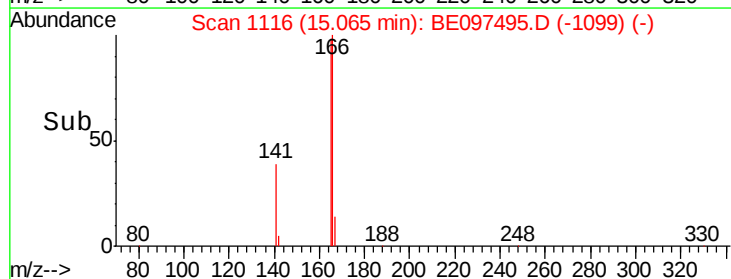
167 13.9 42.4 63.6#

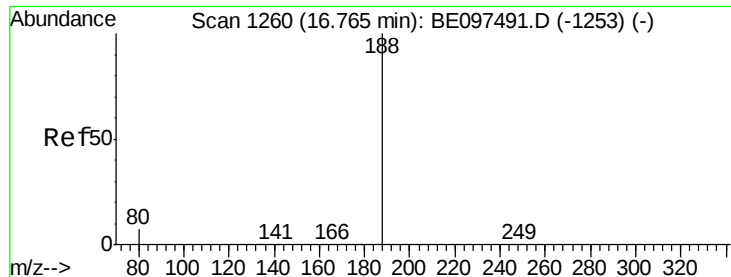


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

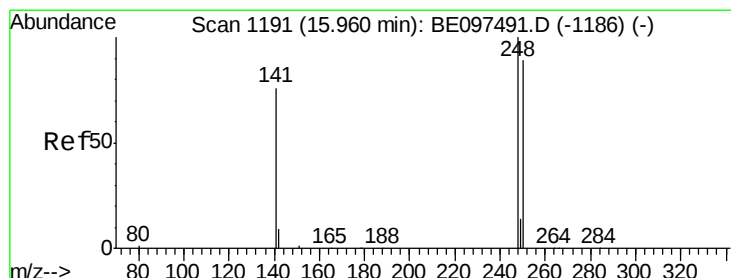
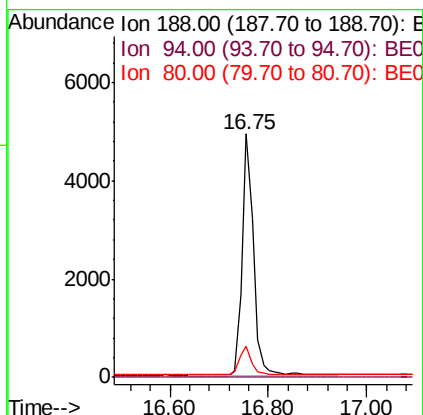
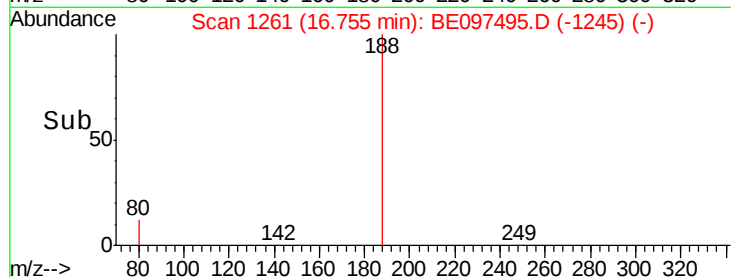
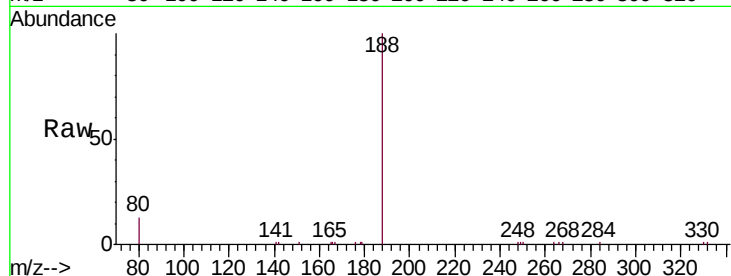
Tgt Ion:188 Resp: 7798

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 12.9 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

RT: 15.96 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

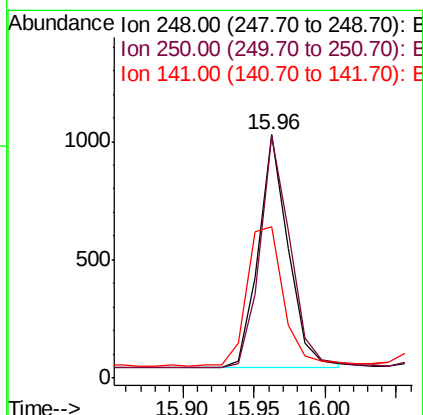
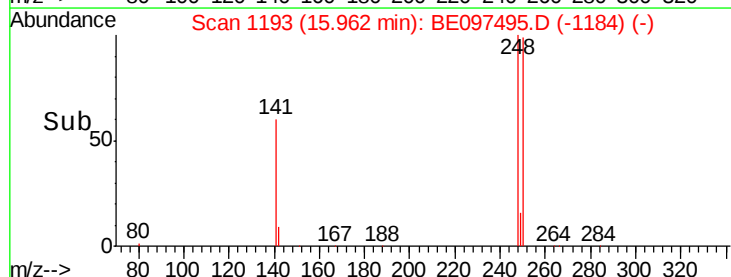
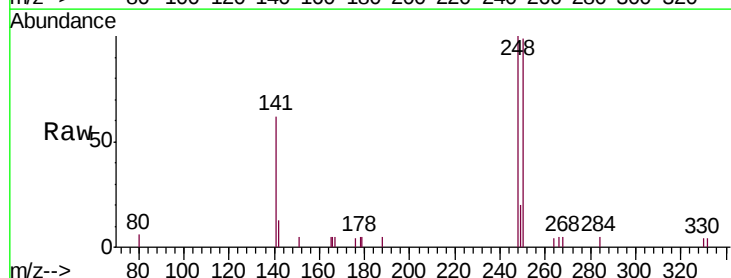
Tgt Ion:248 Resp: 1434

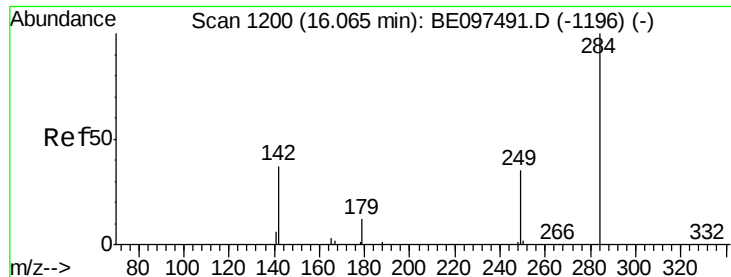
Ion Ratio Lower Upper

248 100

250 99.4 62.7 94.1#

141 62.3 48.2 72.2

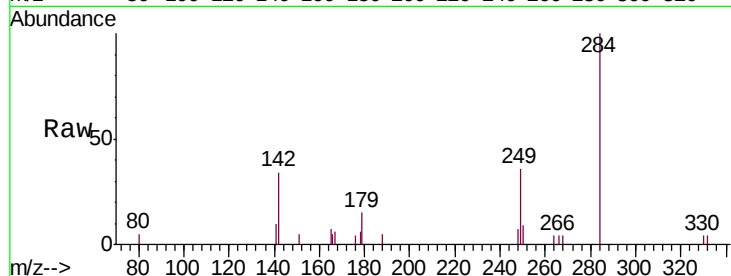




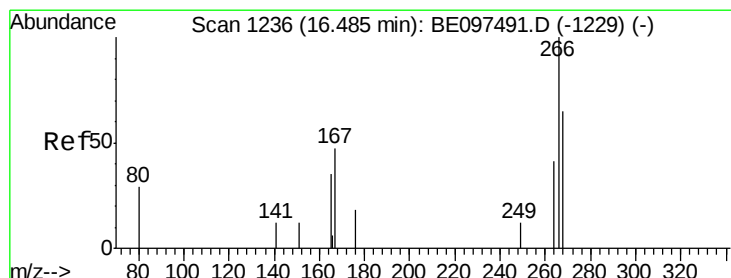
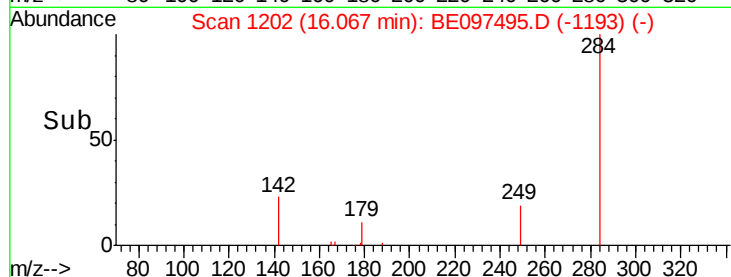
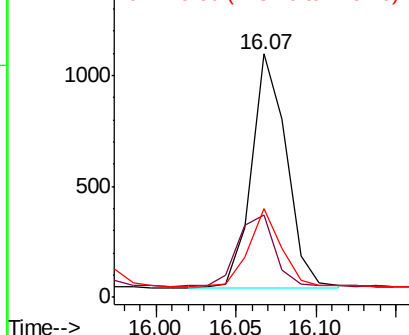
#21  
Hexachlorobenzene  
Concen: 0.398 ng  
RT: 16.07 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: BE097495.D  
Acq: 17 Sep 2018 14:01

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE091718

Tgt Ion: 284 Resp: 1589  
Ion Ratio Lower Upper  
284 100  
142 32.5 22.1 33.1  
249 30.6 34.8 52.2#

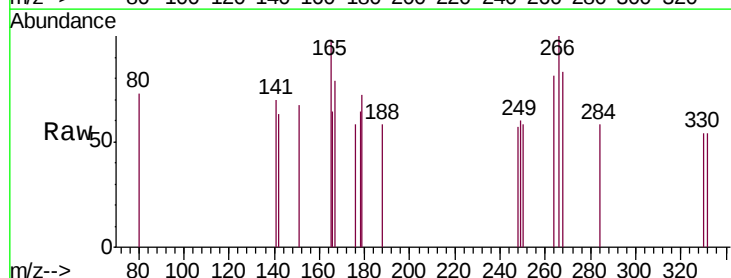


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

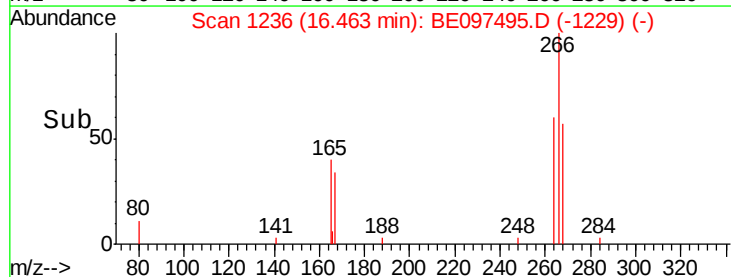
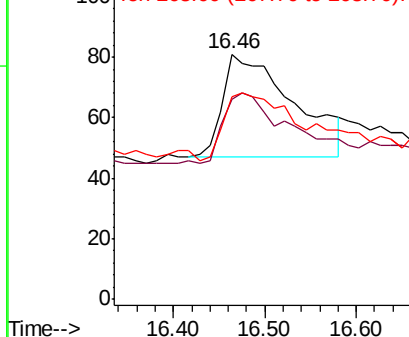


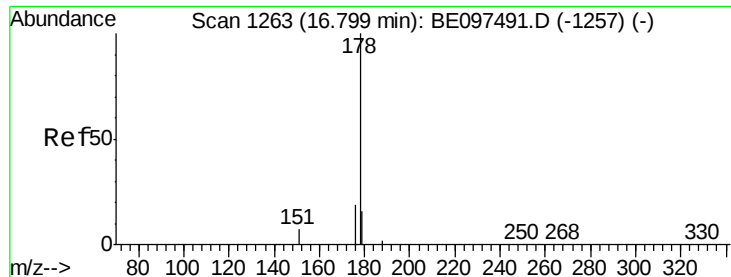
#22  
Pentachlorophenol  
Concen: 0.378 ng  
RT: 16.46 min Scan# 1236  
Delta R.T. -0.02 min  
Lab File: BE097495.D  
Acq: 17 Sep 2018 14:01

Tgt Ion: 266 Resp: 183  
Ion Ratio Lower Upper  
266 100  
264 81.5 72.5 108.7  
268 82.7 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: 0.411 ng

RT: 16.80 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

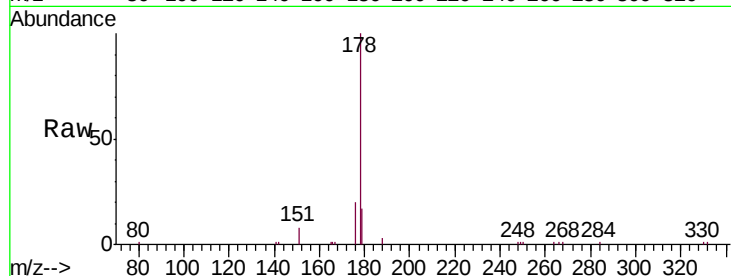
Tgt Ion:178 Resp: 7537

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

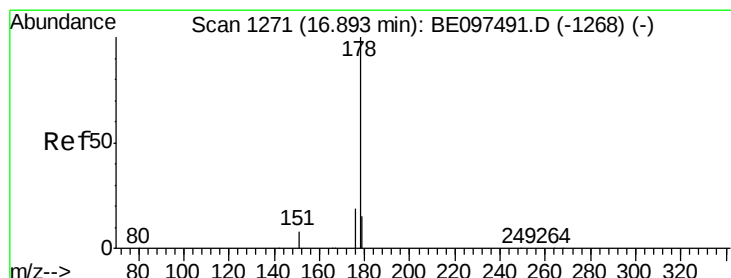
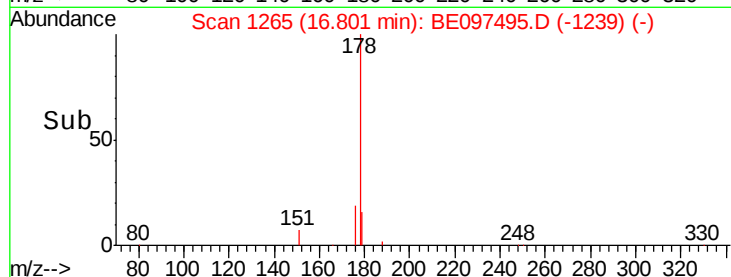
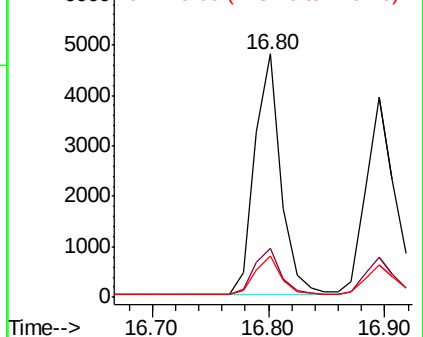
179 15.7 11.8 17.6



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: 0.395 ng

RT: 16.89 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

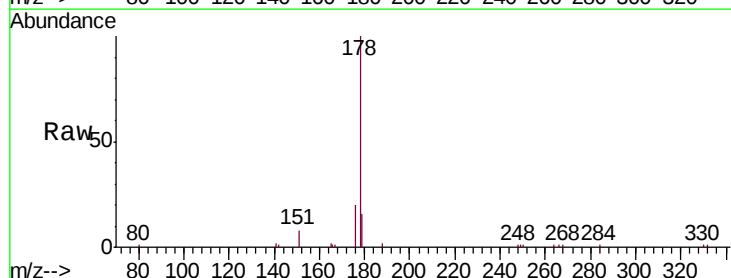
Tgt Ion:178 Resp: 6697

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

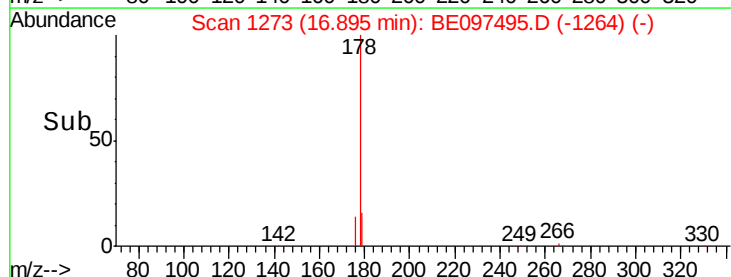
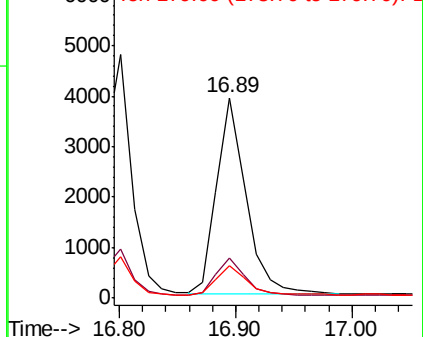
179 15.5 13.0 19.6

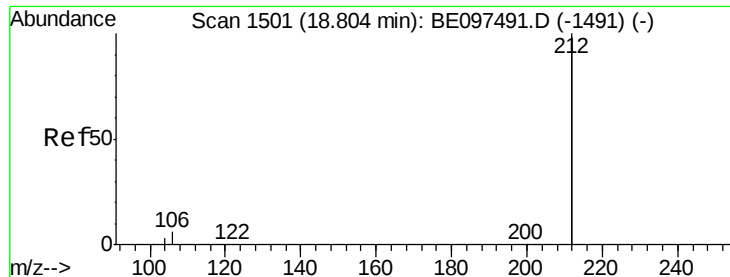


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.396 ng

RT: 18.80 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

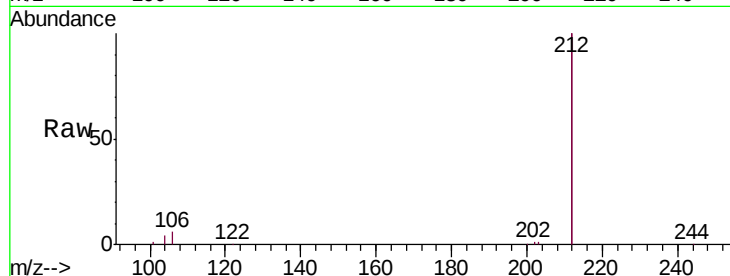
Tgt Ion:212 Resp: 37070

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

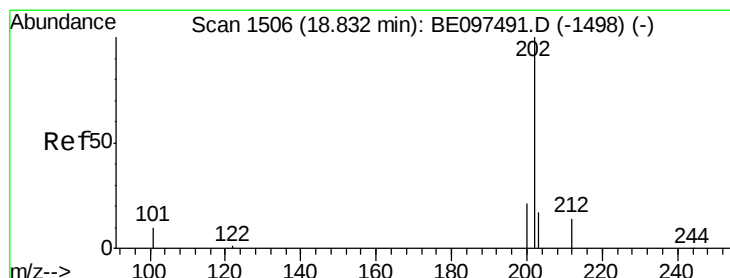
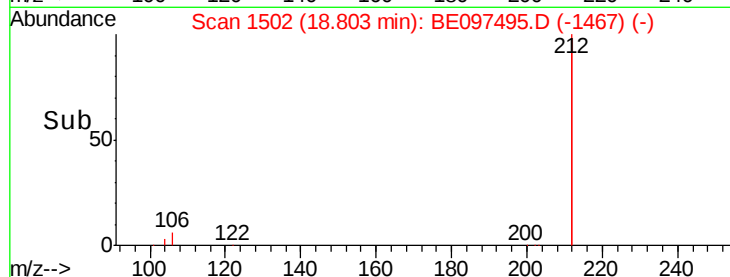
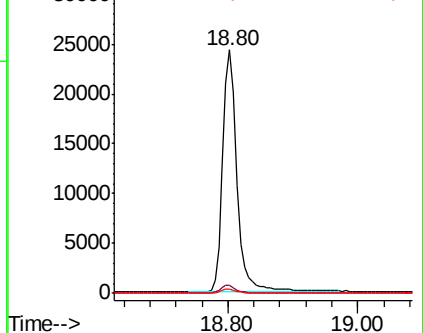
104 1.7 1.6 2.4



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: 0.397 ng

RT: 18.83 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

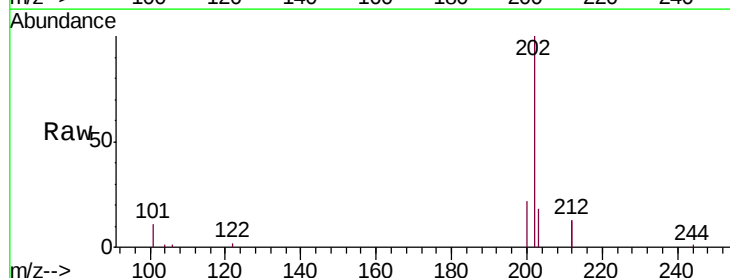
Tgt Ion:202 Resp: 9487

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

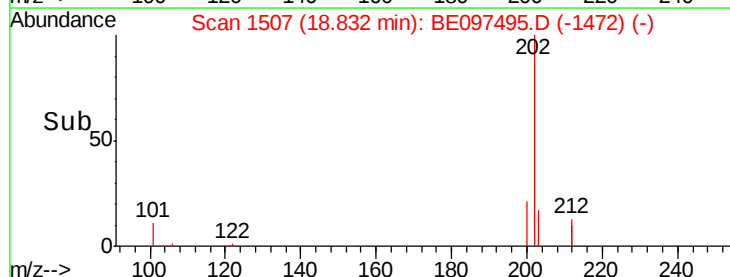
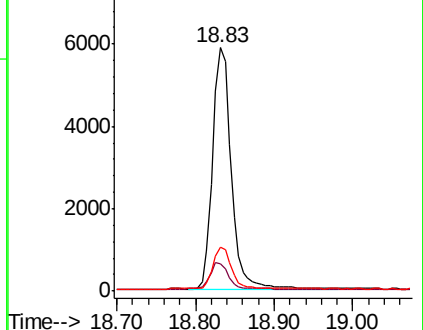
203 17.0 13.7 20.5

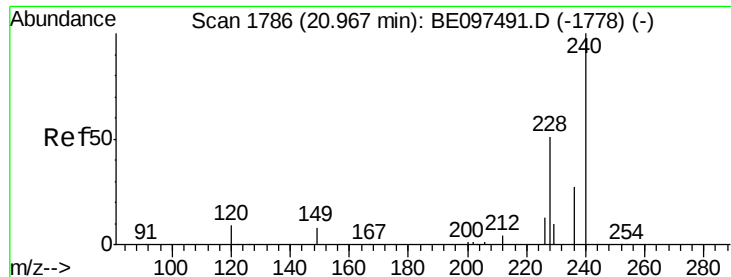


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

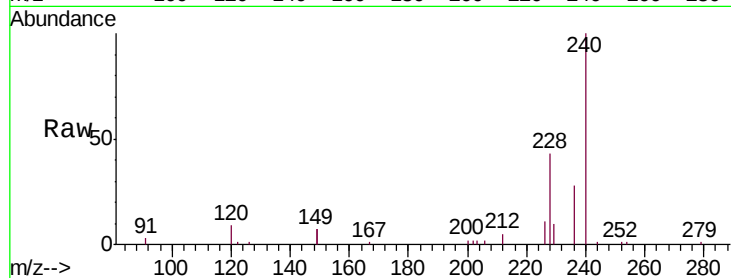
Tgt Ion:240 Resp: 9730

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

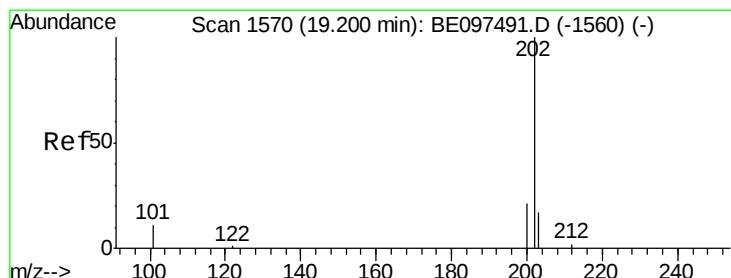
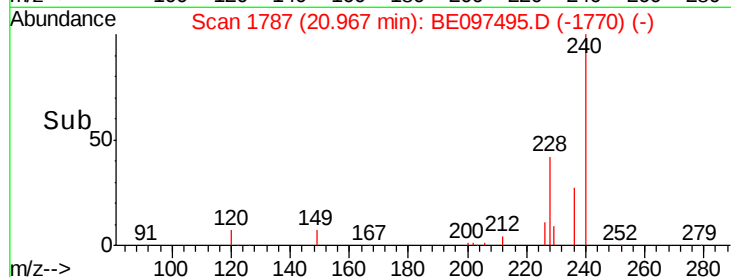
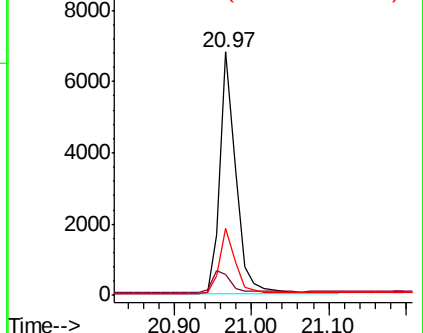
236 27.7 20.7 31.1



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: 0.414 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

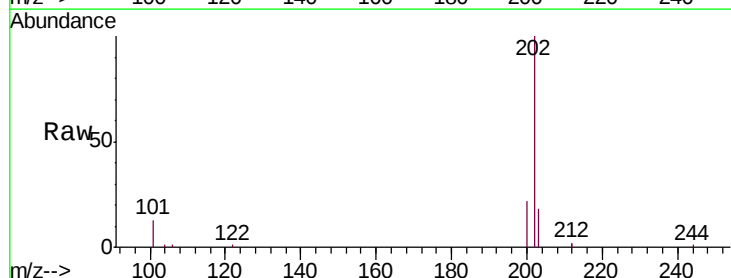
Tgt Ion:202 Resp: 10371

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

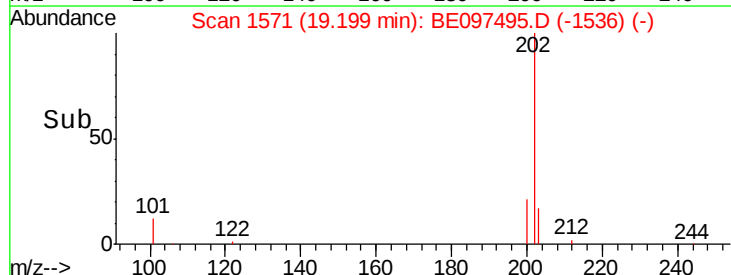
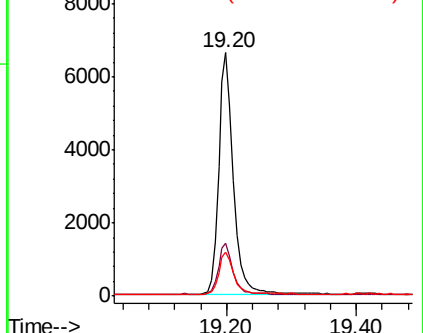
203 17.5 13.8 20.8

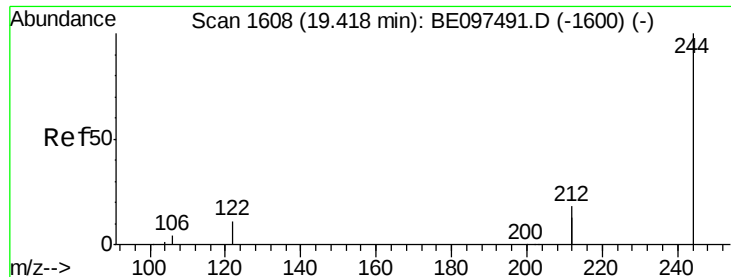


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.415 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

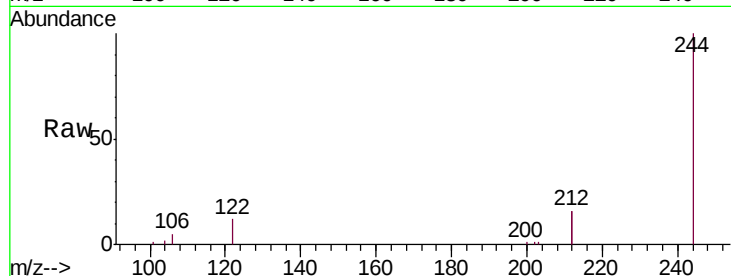
Tgt Ion:244 Resp: 7722

Ion Ratio Lower Upper

244 100

212 32.1 25.4 38.0

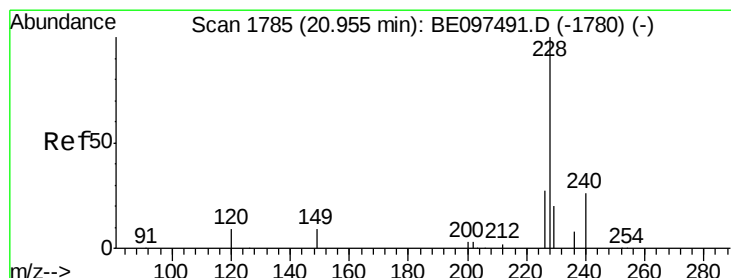
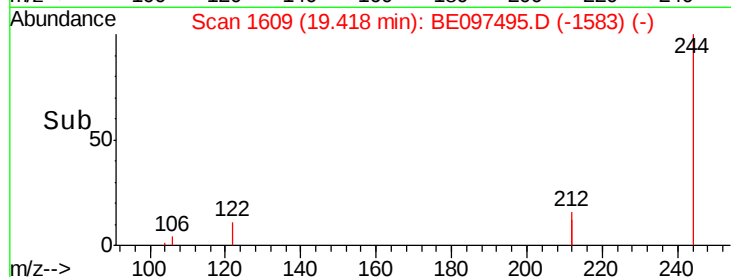
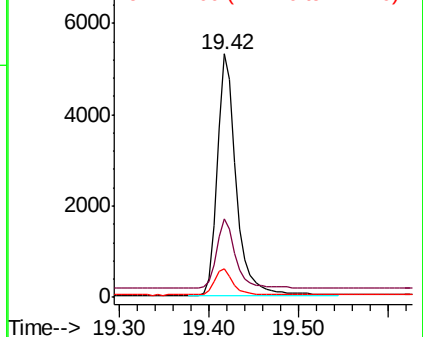
122 11.5 8.1 12.1



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: 0.388 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

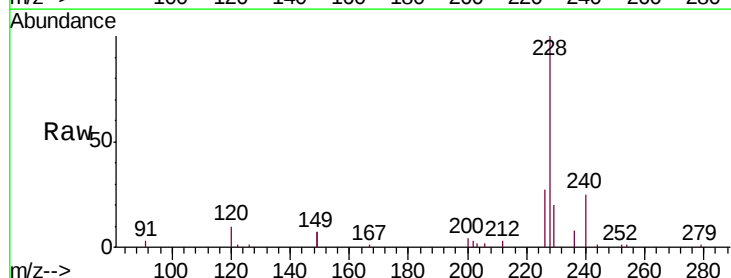
Tgt Ion:228 Resp: 9931

Ion Ratio Lower Upper

228 100

226 27.2 24.0 36.0

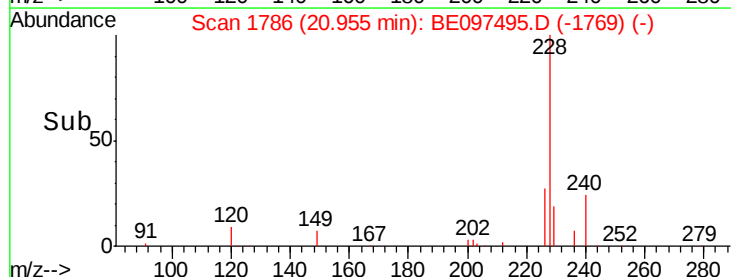
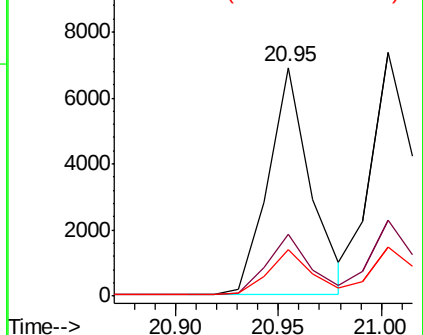
229 20.2 16.0 24.0

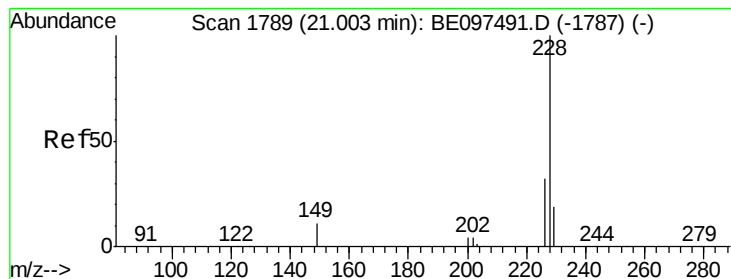


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

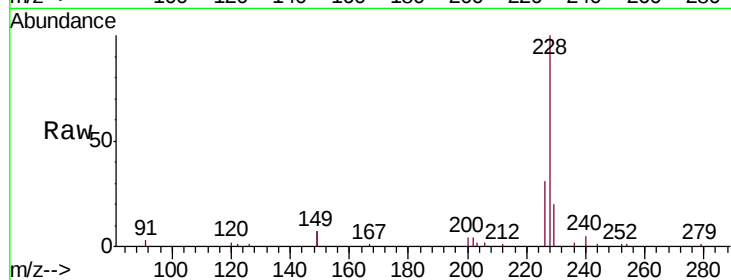
Tgt Ion: 228 Resp: 10980

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

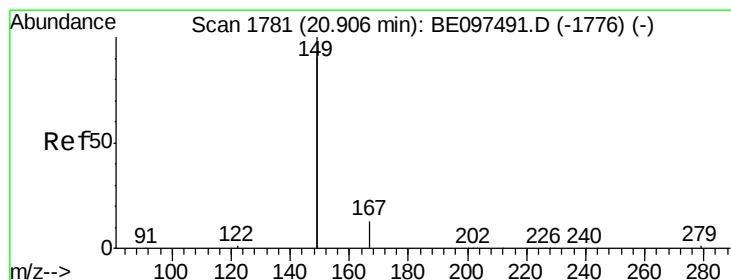
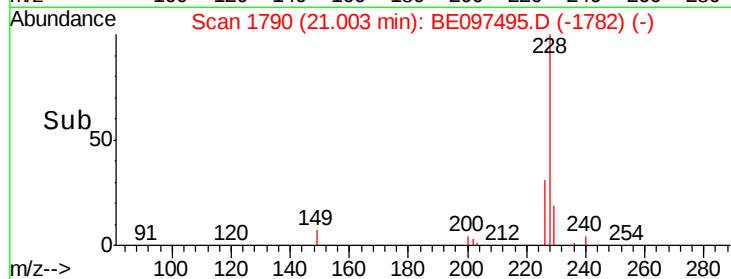
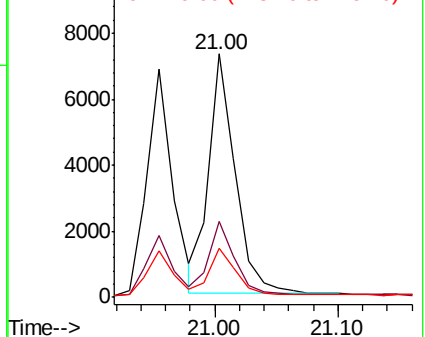
229 20.1 16.0 24.0



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: 0.388 ng

RT: 20.91 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

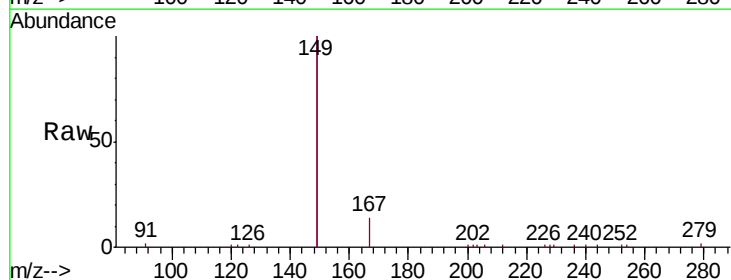
Tgt Ion: 149 Resp: 21094

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

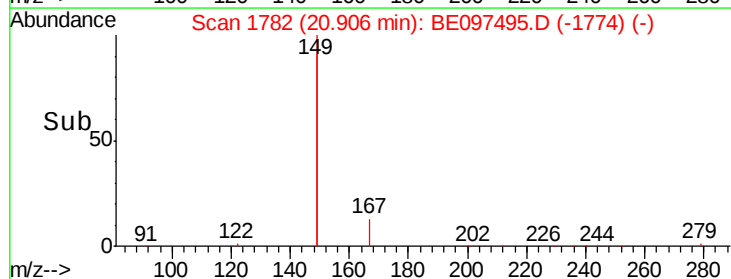
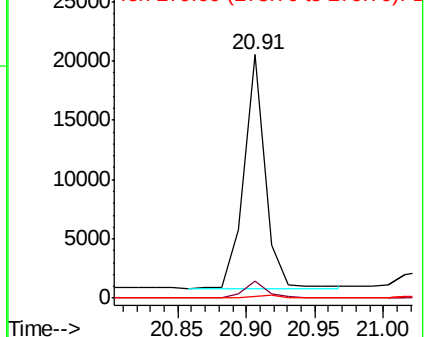
279 1.0 0.7 1.1

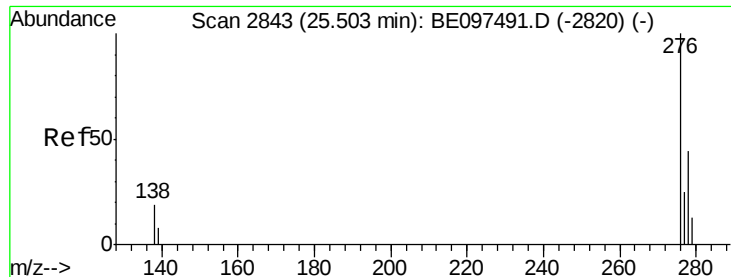


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.412 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

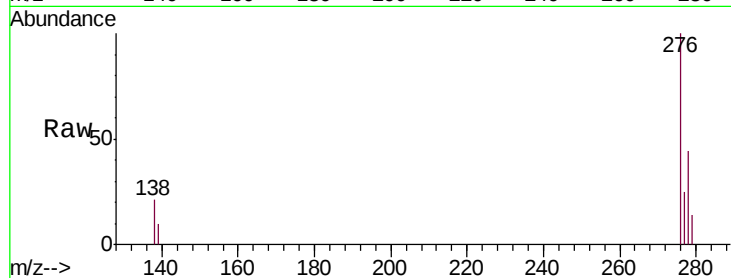
Tgt Ion:276 Resp: 12898

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

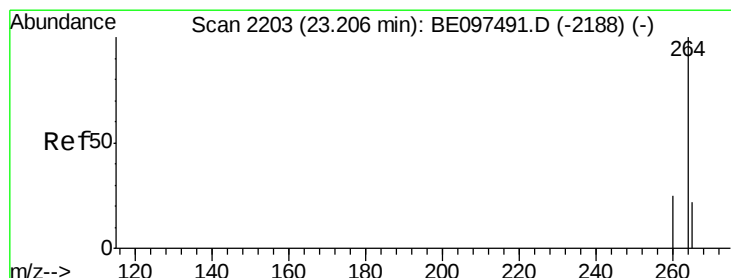
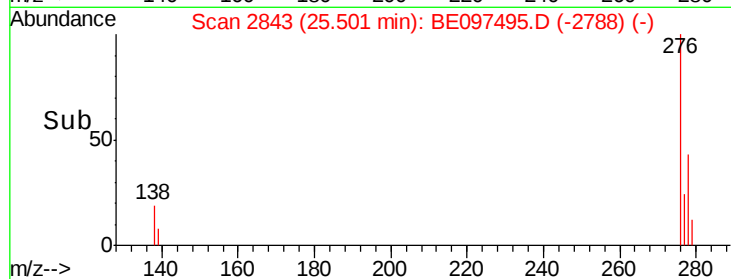
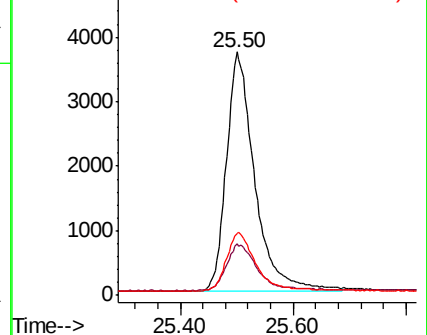
277 25.3 19.9 29.9



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# 2205

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

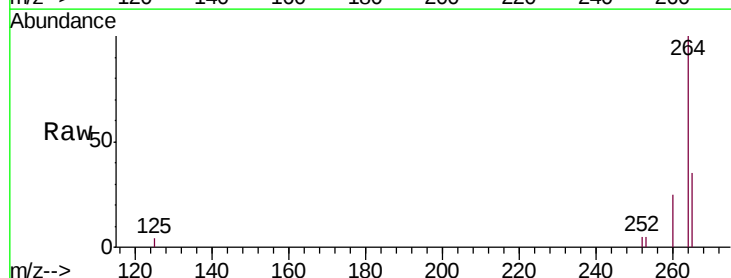
Tgt Ion:264 Resp: 9852

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

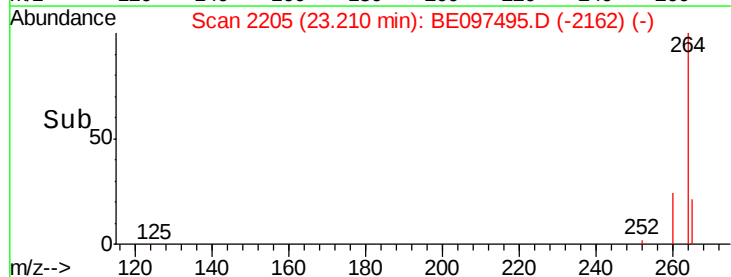
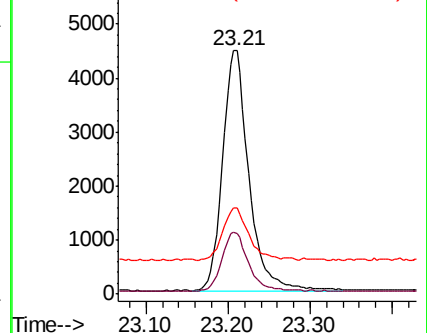
265 35.2 22.8 34.2#

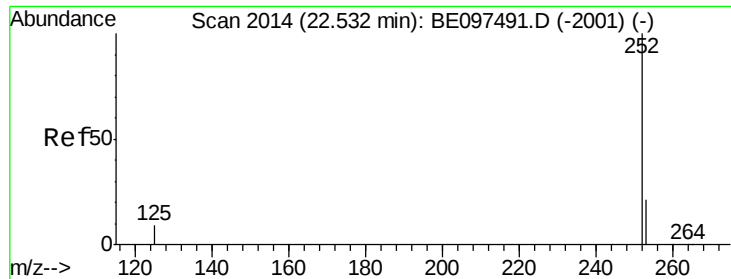


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.407 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

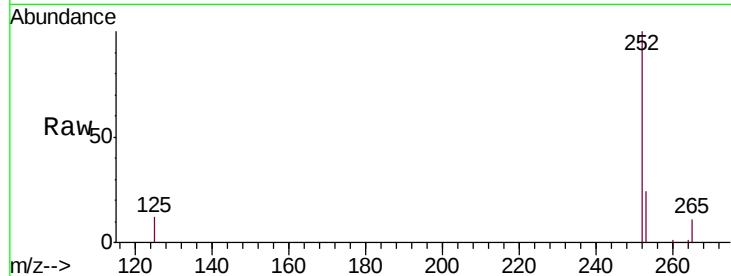
Tgt Ion:252 Resp: 10247

Ion Ratio Lower Upper

252 100

253 24.4 20.0 30.0

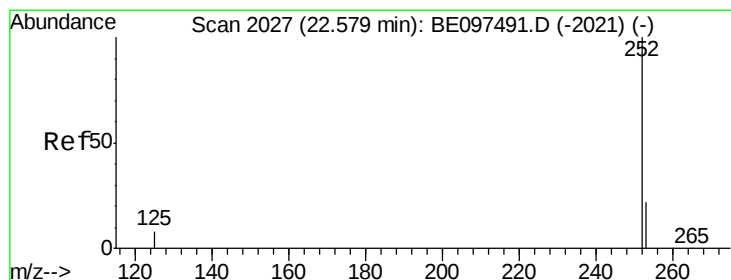
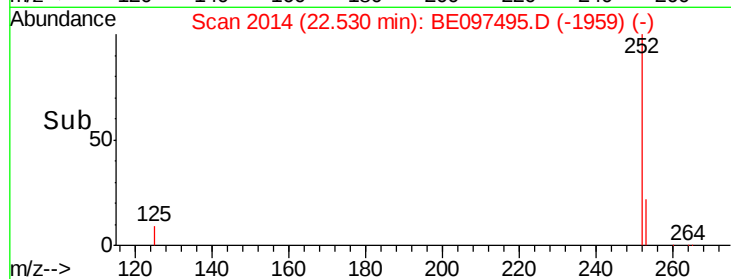
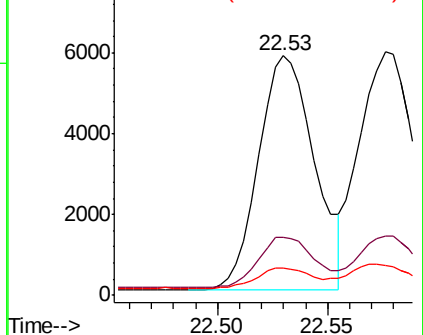
125 11.6 16.0 24.0#



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: 0.406 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

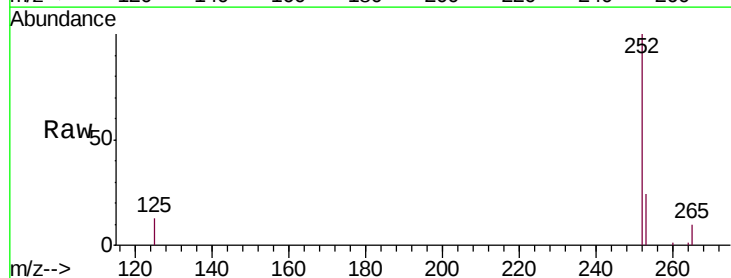
Tgt Ion:252 Resp: 11148

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0#

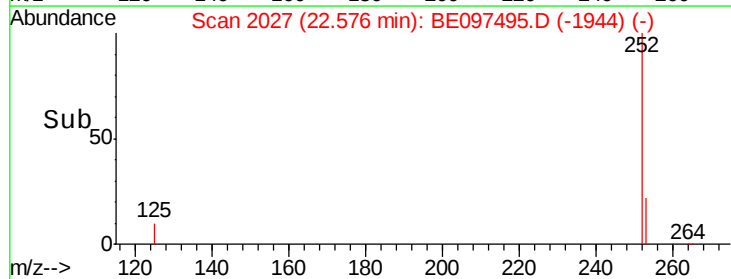
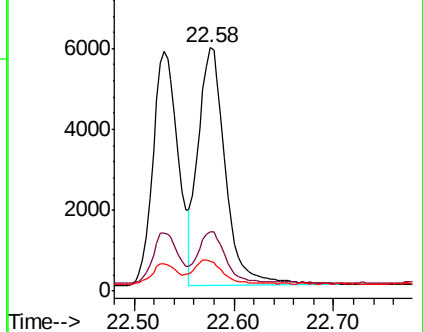
125 12.5 8.0 12.0#

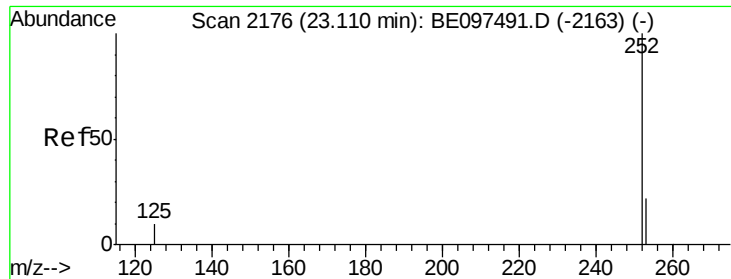


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718

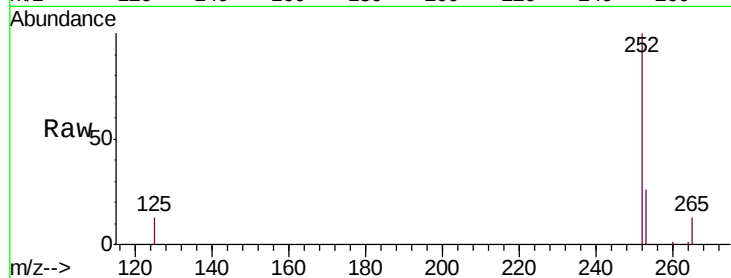
Tgt Ion:252 Resp: 10095

Ion Ratio Lower Upper

252 100

253 25.6 16.0 24.0#

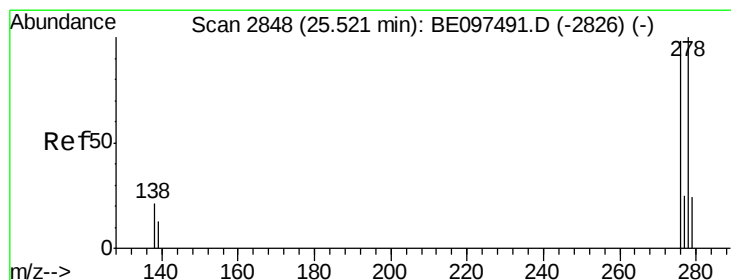
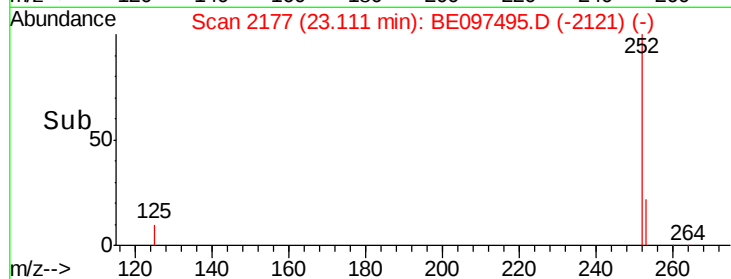
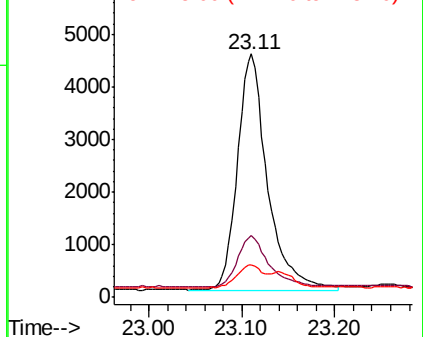
125 13.2 12.0 18.0



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: 0.412 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BE097495.D

Acq: 17 Sep 2018 14:01

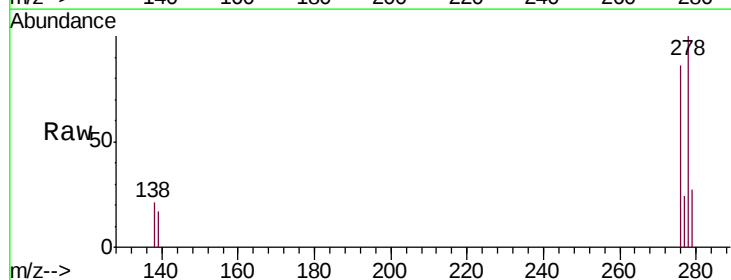
Tgt Ion:278 Resp: 10757

Ion Ratio Lower Upper

278 100

139 16.7 16.0 24.0

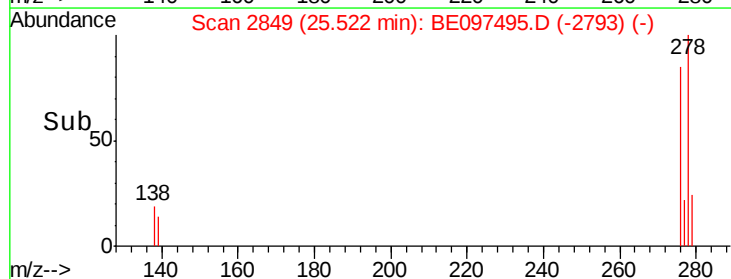
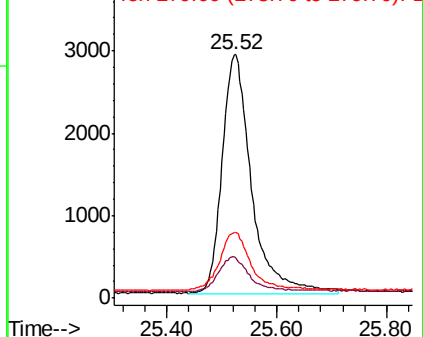
279 27.1 20.0 30.0

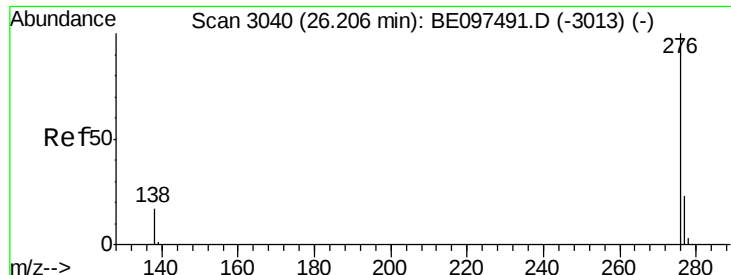


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.399 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097495.D

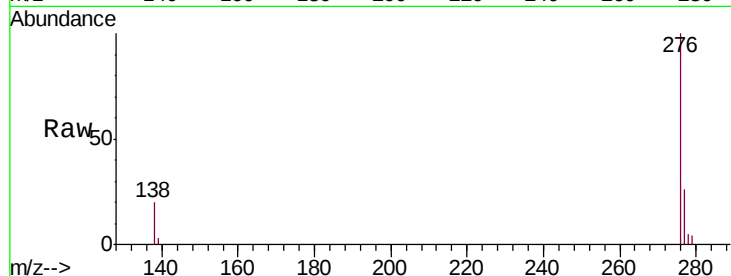
Acq: 17 Sep 2018 14:01

Instrument :

BNA\_E

ClientSampleId :

ICVBE091718



Tgt Ion: 276 Resp: 10628

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 19.8 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

