

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101917\  
 Data File : BE094463.D  
 Acq On : 20 Oct 2017 1:47  
 Operator : SJ/JU  
 Sample : I5819-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3909-SPP2-DUP

Quant Time: Oct 20 12:44:39 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 14:54:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1390     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.69 | 136  | 7545     | 0.40 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 14.51 | 164  | 4499     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.23 | 188  | 11965    | 0.40 | ng    | -0.03    |
| 27) Chrysene-d12          | 21.41 | 240  | 10154    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.94 | 264  | 9670     | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.53  | 112 | 963   | 0.21 | ng | 0.01  |
| 5) Phenol-d6                | 7.13  | 99  | 857   | 0.12 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.06  | 82  | 2801  | 0.43 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 5119  | 0.44 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 548   | 0.32 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.13 | 172 | 7517  | 0.47 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.28 | 212 | 52441 | 0.27 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.85 | 244 | 11875 | 0.58 | ng | -0.01 |

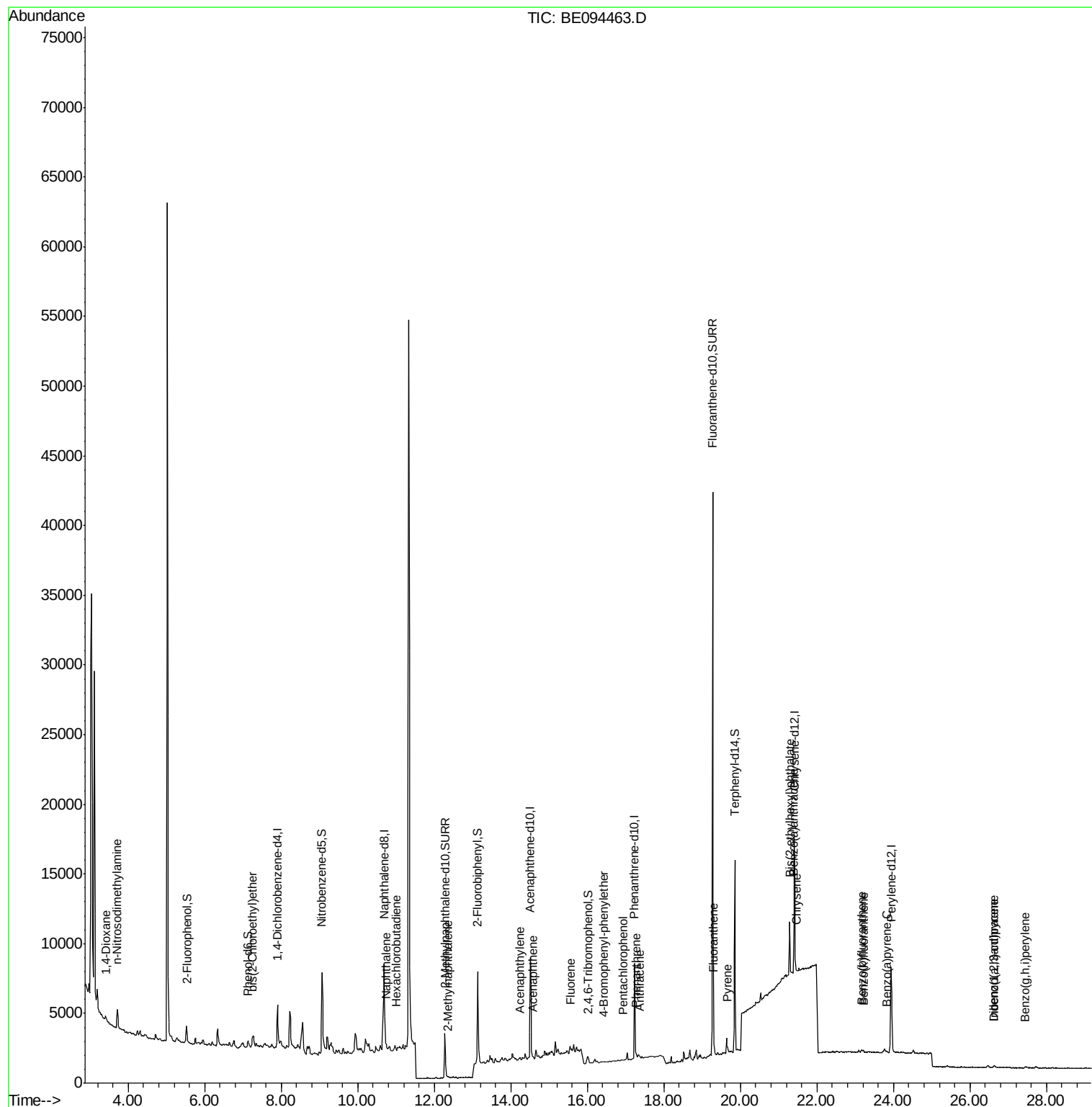
|                                |       |     |      |        |    |       |
|--------------------------------|-------|-----|------|--------|----|-------|
| Target Compounds               |       |     |      | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.42  | 88  | 269  | 0.046  | ng | # 42  |
| 3) n-Nitrosodimethylamine      | 3.71  | 42  | 291  | 0.120  | ng | # 7   |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93  | 1753 | 0.324  | ng | # 1   |
| 9) Naphthalene                 | 10.74 | 128 | 491  | 0.006  | ng | # 68  |
| 10) Hexachlorobutadiene        | 11.01 | 225 | 10   | 0.003  | ng | # 55  |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 77   | 0.006  | ng | # 43  |
| 16) Acenaphthylene             | 14.24 | 152 | 177  | 0.007  | ng | # 81  |
| 17) Acenaphthene               | 14.57 | 154 | 36   | 0.002  | ng | # 1   |
| 18) Fluorene                   | 15.56 | 166 | 114  | 0.006  | ng | # 66  |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 8    | 0.001  | ng | # 1   |
| 22) Pentachlorophenol          | 16.94 | 266 | 41   | 0.189  | ng | # 95  |
| 23) Phenanthrene               | 17.27 | 178 | 516  | 0.011  | ng | # 78  |
| 24) Anthracene                 | 17.37 | 178 | 356  | 0.010  | ng | # 62  |
| 26) Fluoranthene               | 19.30 | 202 | 508  | 0.009  | ng | # 29  |
| 28) Pyrene                     | 19.67 | 202 | 501  | 0.013  | ng | # 85  |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 247  | 0.007  | ng | # 49  |
| 31) Chrysene                   | 21.46 | 228 | 278  | 0.008  | ng | # 47  |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 5443 | 0.054  | ng | # 100 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.62 | 276 | 203  | 0.006  | ng | # 64  |
| 35) Benzo(b)fluoranthene       | 23.16 | 252 | 298  | 0.009  | ng | # 25  |
| 36) Benzo(k)fluoranthene       | 23.22 | 252 | 202  | 0.006  | ng | # 16  |
| 37) Benzo(a)pyrene             | 23.83 | 252 | 148  | 0.005  | ng | # 15  |
| 38) Dibenzo(a,h)anthracene     | 26.63 | 278 | 128  | 0.004  | ng | # 1   |
| 39) Benzo(g,h,i)perylene       | 27.45 | 276 | 75   | 0.003  | ng | # 38  |

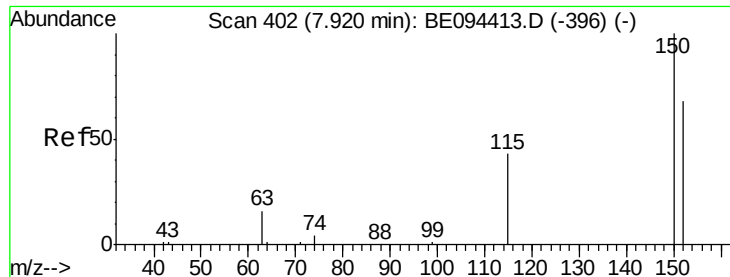
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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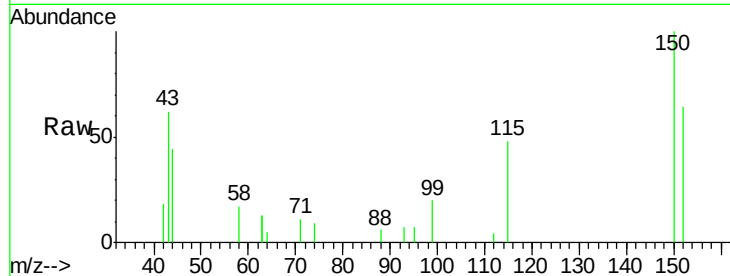


#1

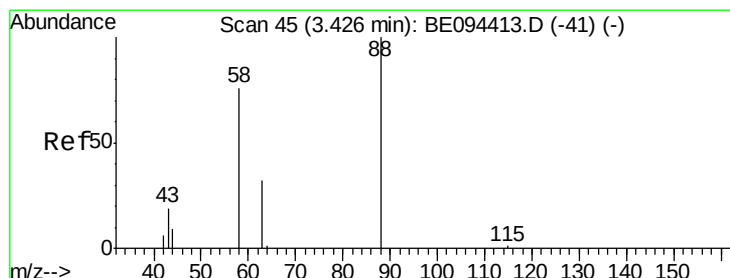
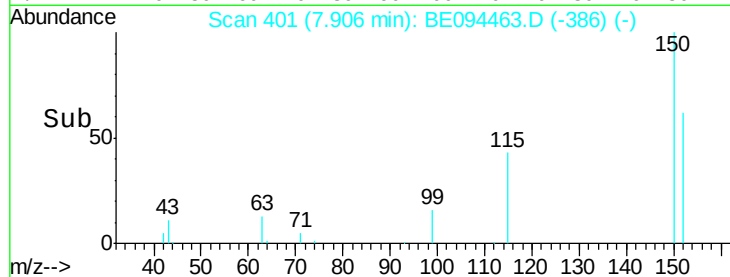
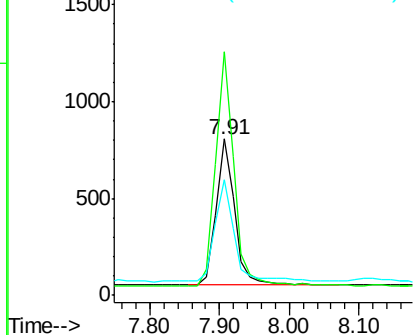
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Instrument :  
BNA\_E  
ClientSampleId :  
3909-SPP2-DUP

Tgt Ion: 152 Resp: 1390  
Ion Ratio Lower Upper  
152 100  
150 155.6 117.2 175.8  
115 74.3 57.0 85.6



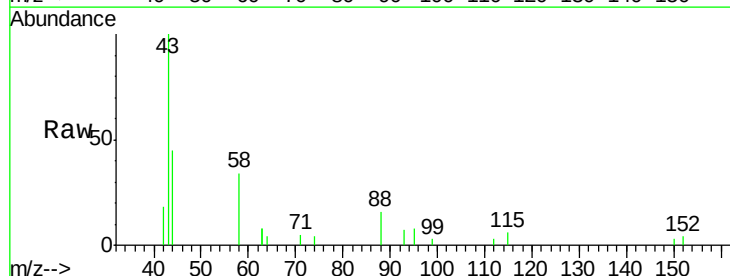
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



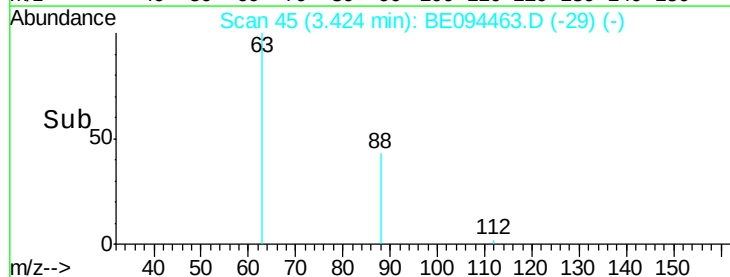
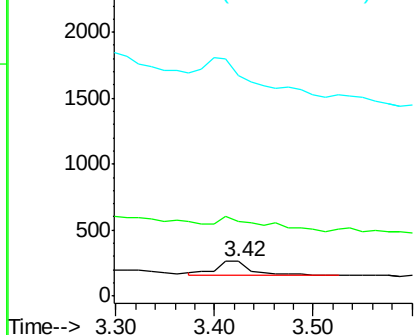
#2

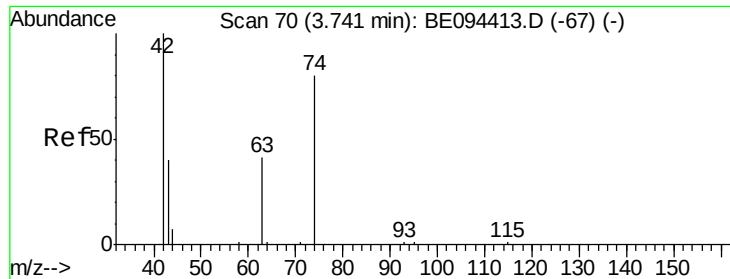
1,4-Dioxane  
Concen: 0.046 ng  
RT: 3.42 min Scan# 45  
Delta R.T. -0.00 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Tgt Ion: 88 Resp: 269  
Ion Ratio Lower Upper  
88 100  
58 121.6 63.2 94.8#  
43 0.0 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: 0.120 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

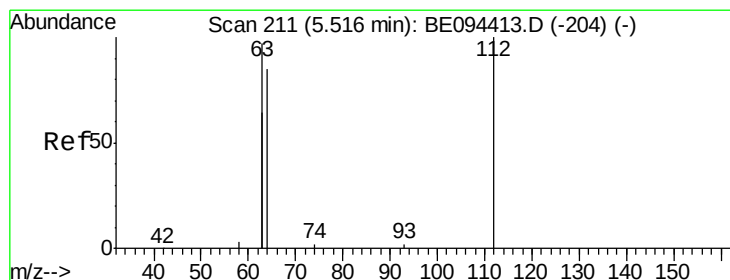
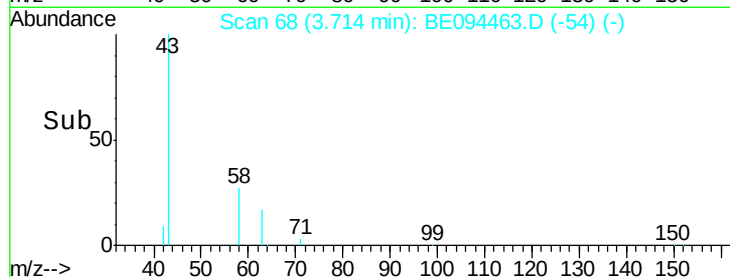
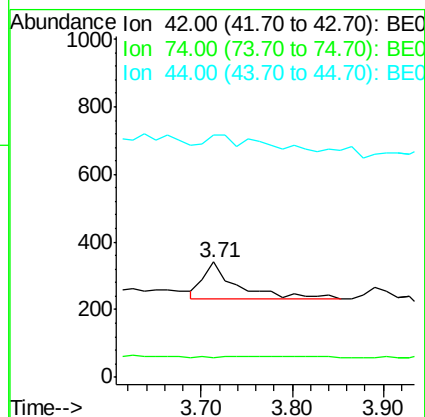
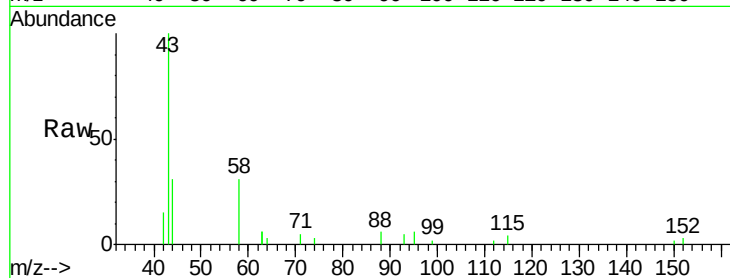
Tgt Ion: 42 Resp: 291

Ion Ratio Lower Upper

42 100

74 2.4 100.3 150.5#

44 20.3 17.0 25.4



#4

2-Fluorophenol

Concen: 0.205 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

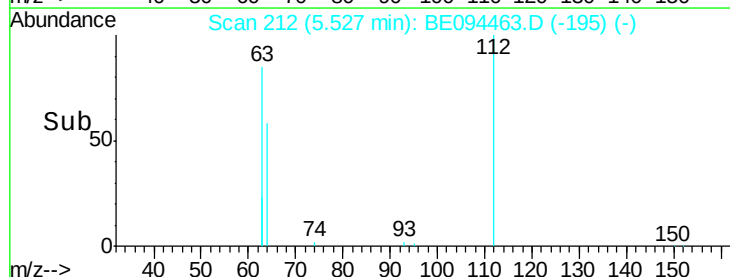
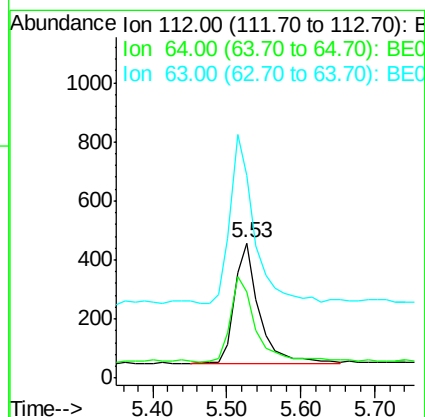
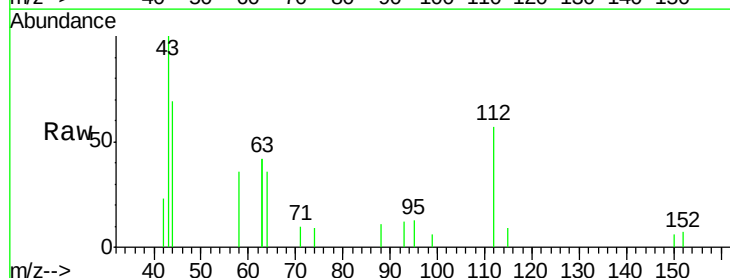
Tgt Ion: 112 Resp: 963

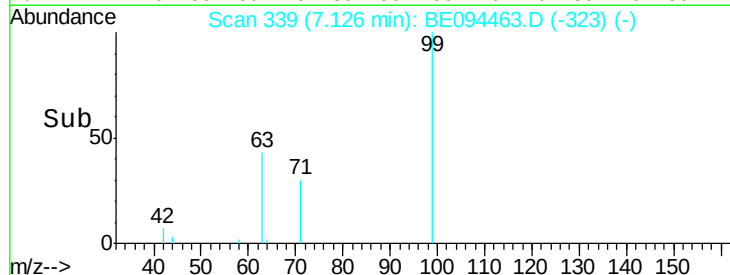
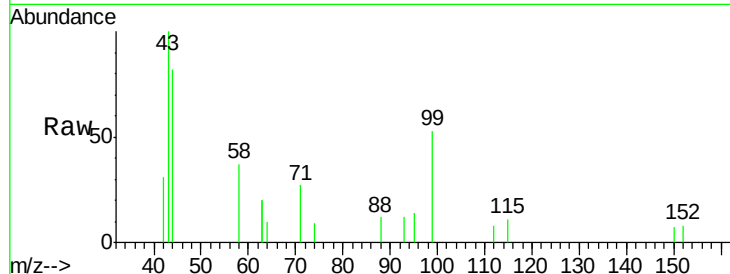
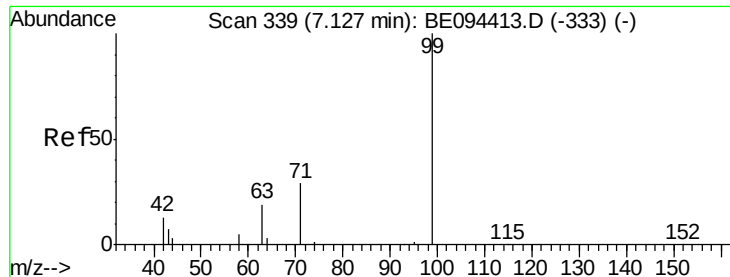
Ion Ratio Lower Upper

112 100

64 71.1 60.1 90.1

63 133.2 116.8 175.2





#5

Phenol-d6

Concen: 0.117 ng

RT: 7.13 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

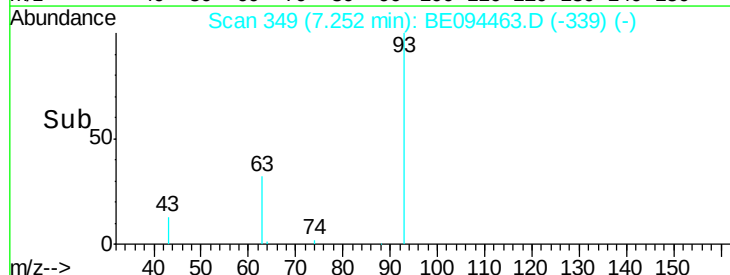
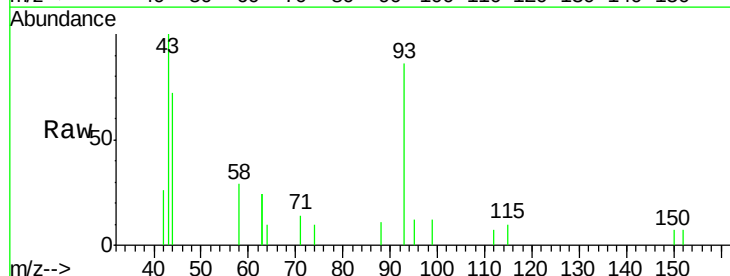
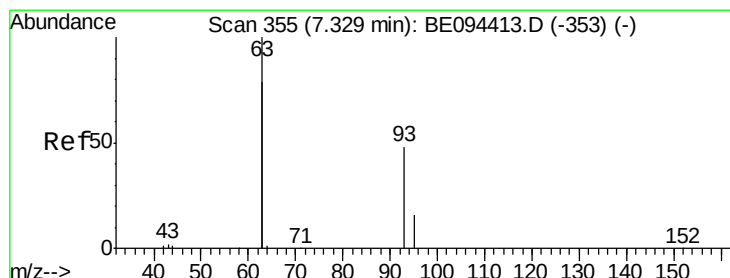
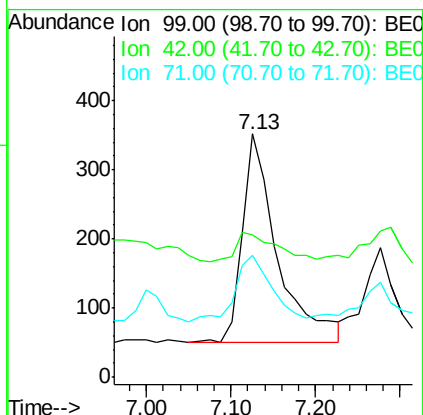
Tgt Ion: 99 Resp: 857

Ion Ratio Lower Upper

99 100

42 16.6 20.2 30.2#

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.324 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

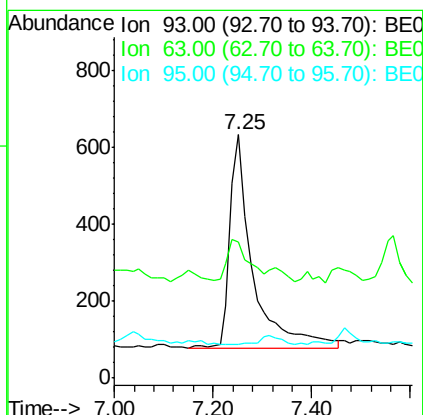
Tgt Ion: 93 Resp: 1753

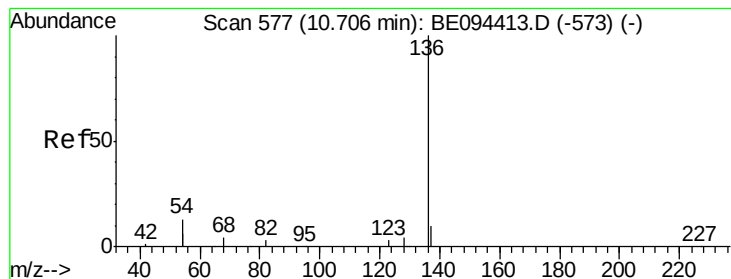
Ion Ratio Lower Upper

93 100

63 17.1 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

Tgt Ion: 136 Resp: 7545

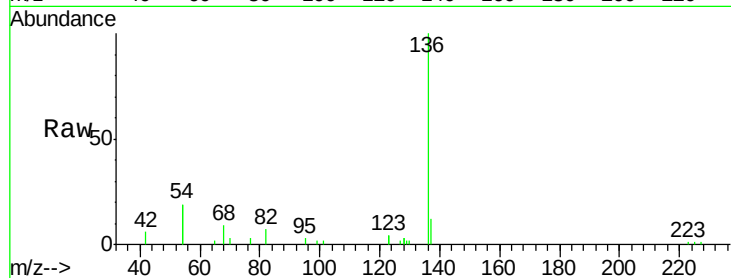
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 38.9 29.1 43.7

68 8.5 6.2 9.2

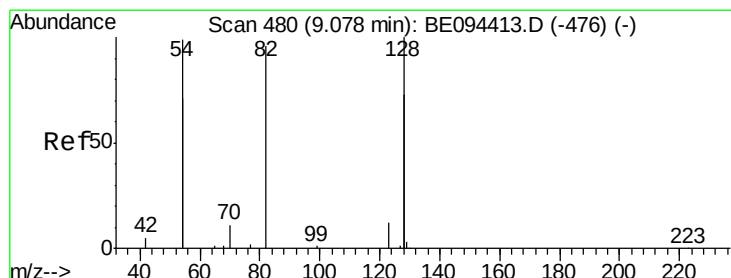
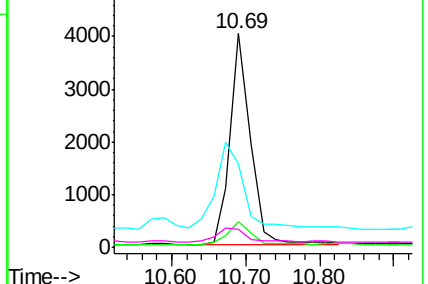
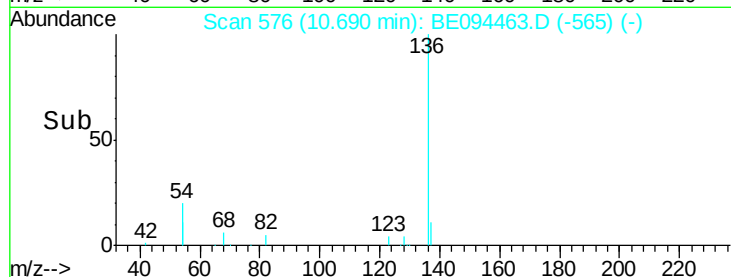


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

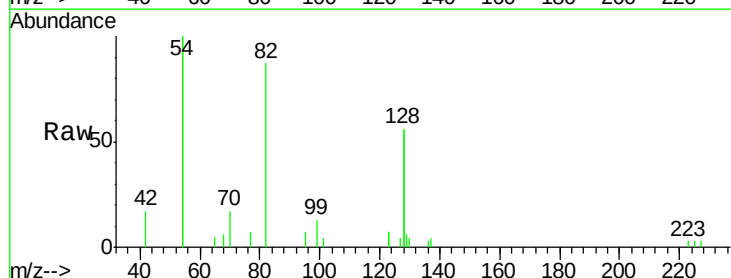
Tgt Ion: 82 Resp: 2801

Ion Ratio Lower Upper

82 100

128 130.1 150.0 225.0#

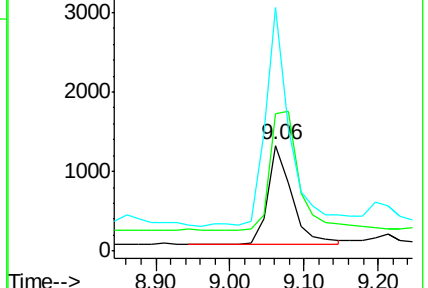
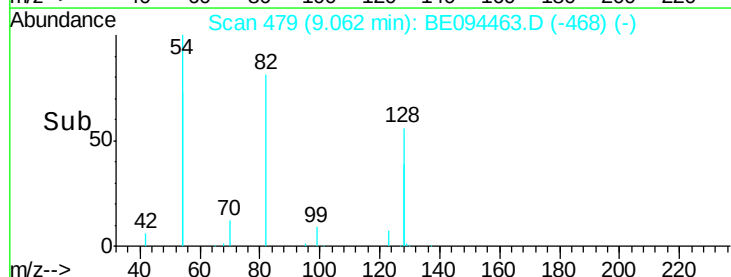
54 230.6 154.2 231.4

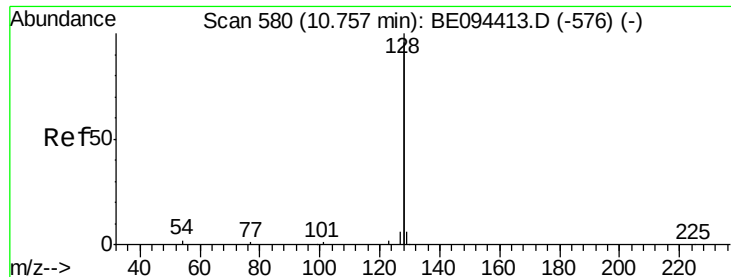


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.006 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

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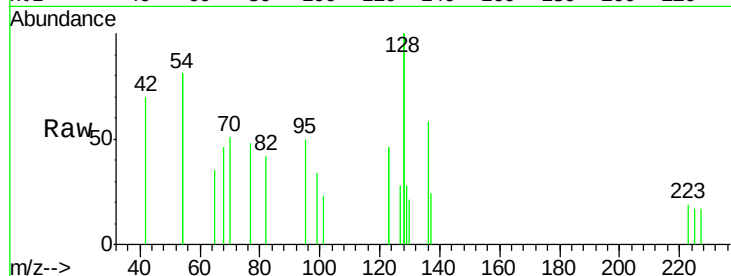
Tgt Ion:128 Resp: 491

Ion Ratio Lower Upper

128 100

129 14.0 2.6 3.8#

127 14.0 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

600

400

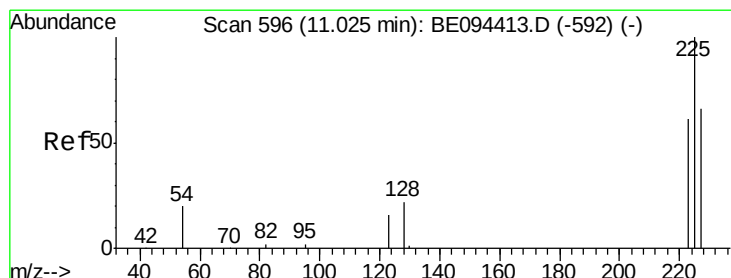
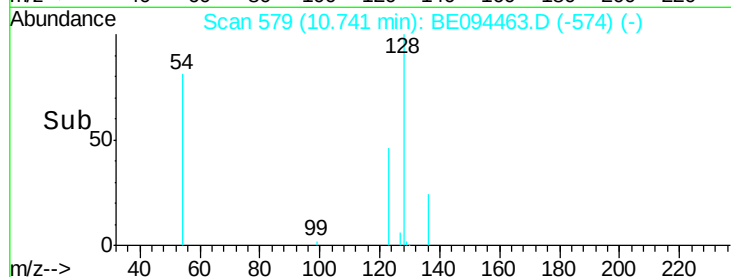
200

0

10.74

10.70 10.80

Time-->



#10

Hexachlorobutadiene

Concen: 0.003 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

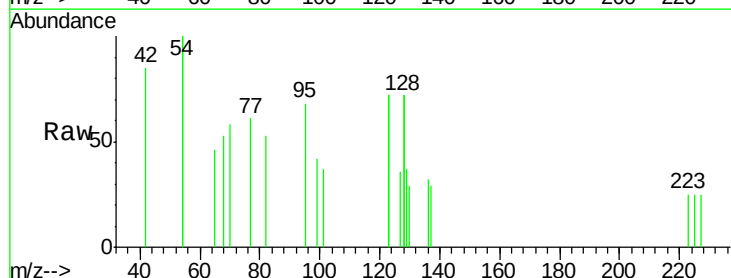
Tgt Ion:225 Resp: 10

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 60.0 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

60

40

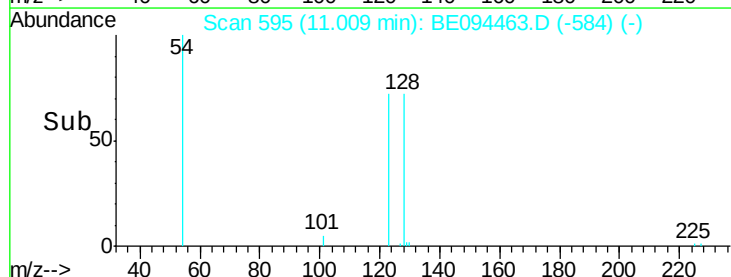
20

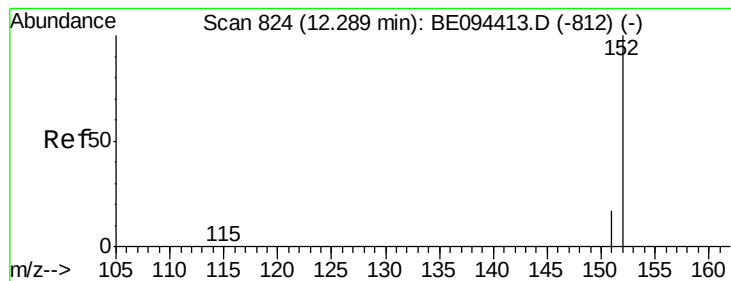
0

11.01

11.00 11.10

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.440 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.01 min

Lab File: BE094463.D

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BNA\_E

ClientSampleId :

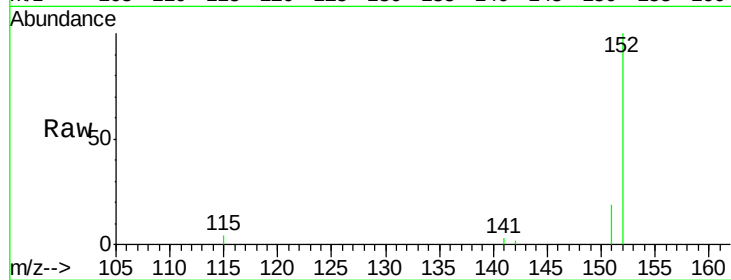
3909-SPP2-DUP

Tgt Ion:152 Resp: 5119

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

3000

2500

2000

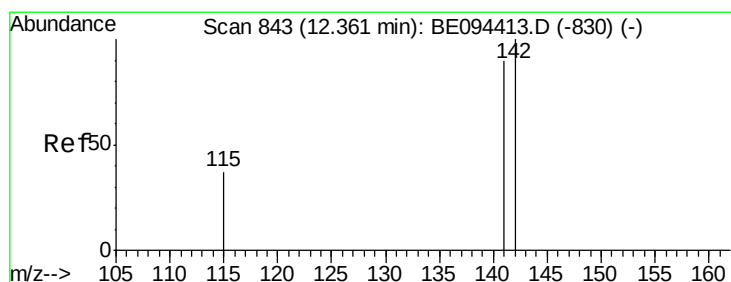
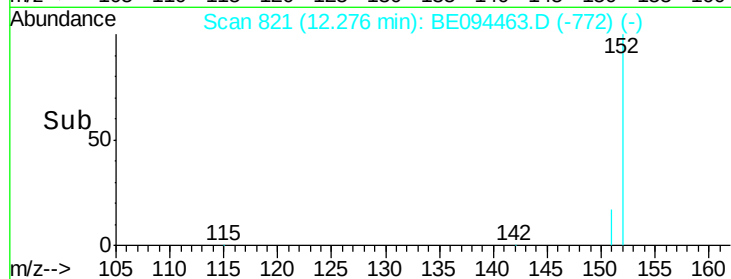
1500

1000

500

0

Time--> 12.10 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.006 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

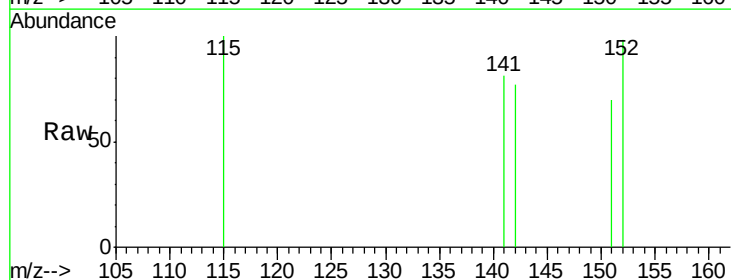
Tgt Ion:142 Resp: 77

Ion Ratio Lower Upper

142 100

141 104.5 70.4 105.6

115 129.2 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

12.35

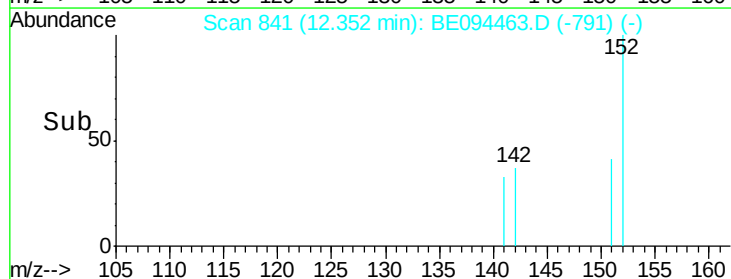
150

100

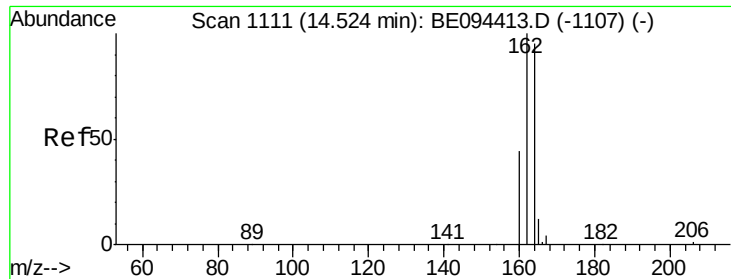
50

0

Time--> 12.30 12.35 12.40 12.45







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

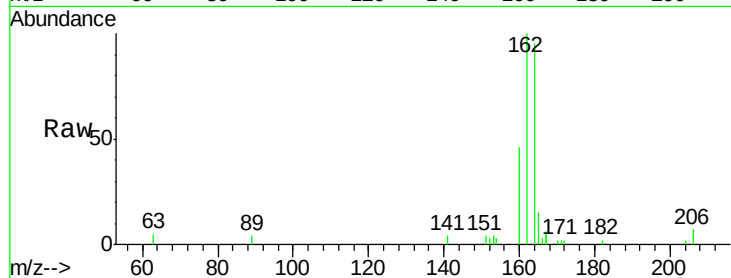
Tgt Ion:164 Resp: 4499

Ion Ratio Lower Upper

164 100

162 105.5 83.1 124.7

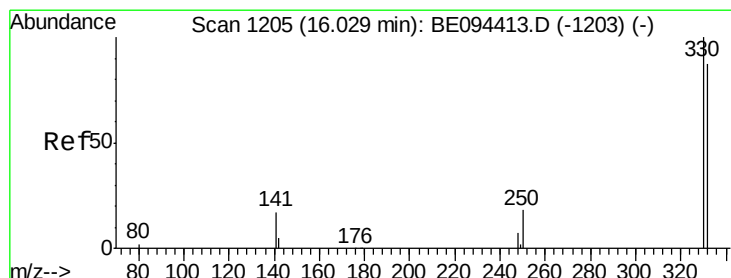
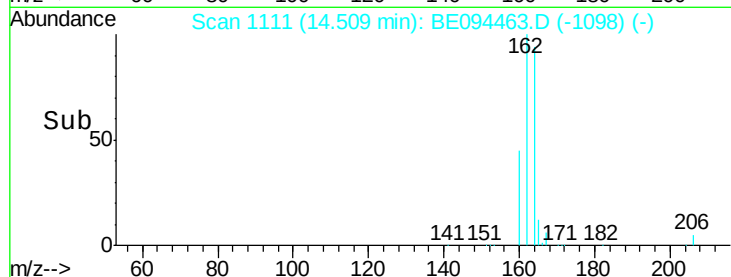
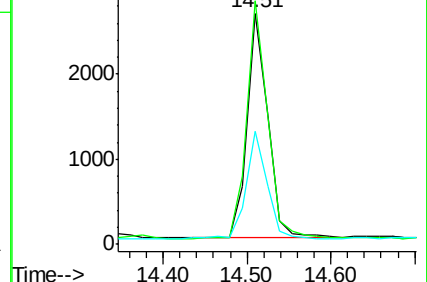
160 48.9 37.1 55.7



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: 0.320 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

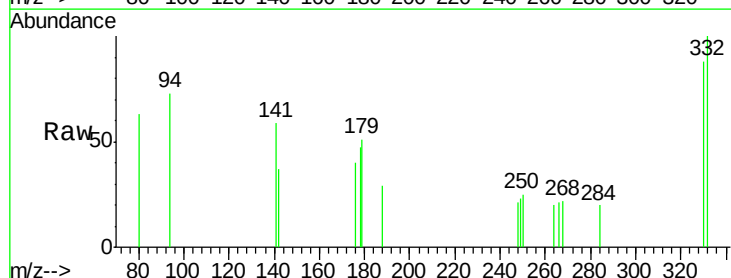
Tgt Ion:330 Resp: 548

Ion Ratio Lower Upper

330 100

332 100.9 152.7 229.1#

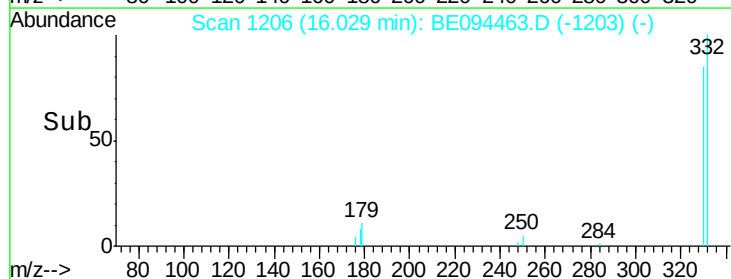
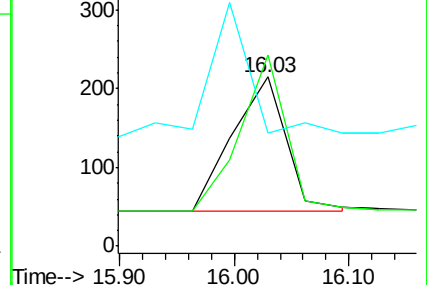
141 0.0 33.7 50.5#

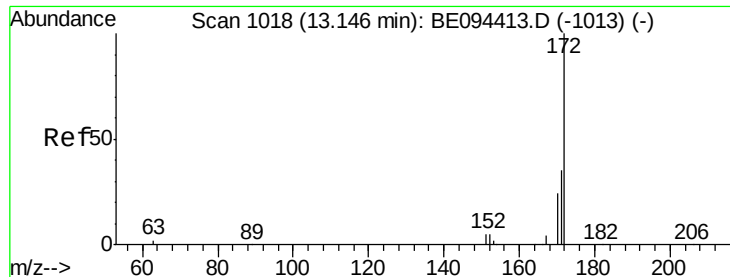


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

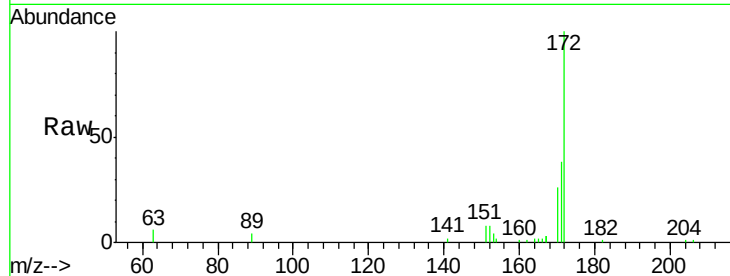




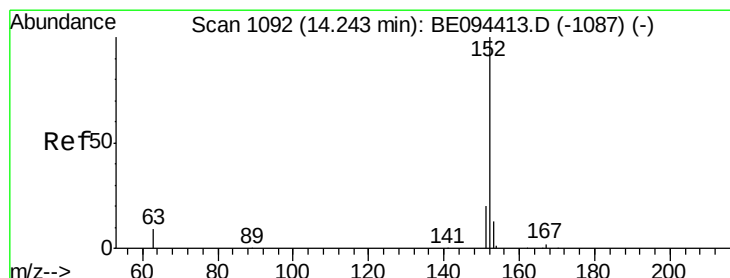
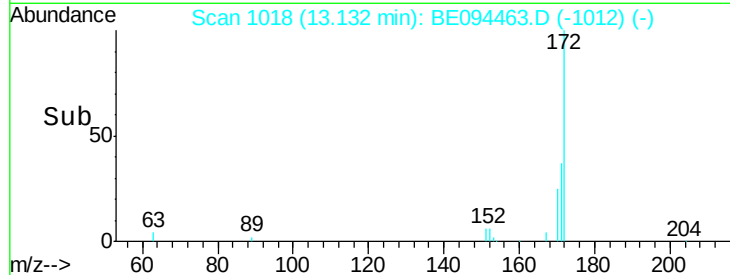
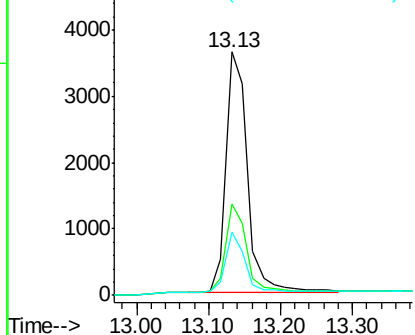
#15  
2-Fluorobiphenyl  
Concen: 0.468 ng  
RT: 13.13 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Instrument :  
BNA\_E  
ClientSampleId :  
3909-SPP2-DUP

Tgt Ion: 172 Resp: 7517  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.9 44.9  
170 26.1 21.8 32.8

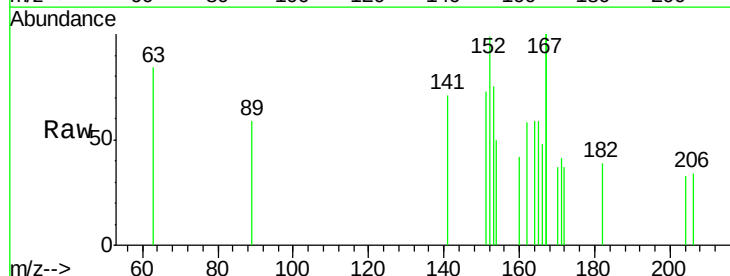


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

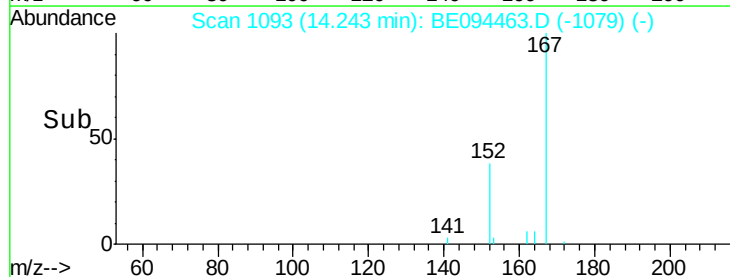
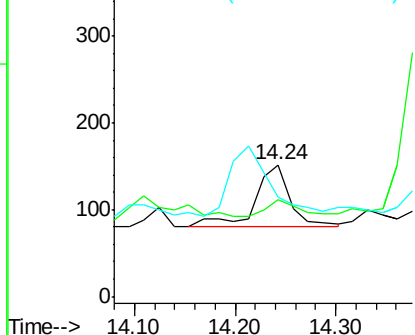


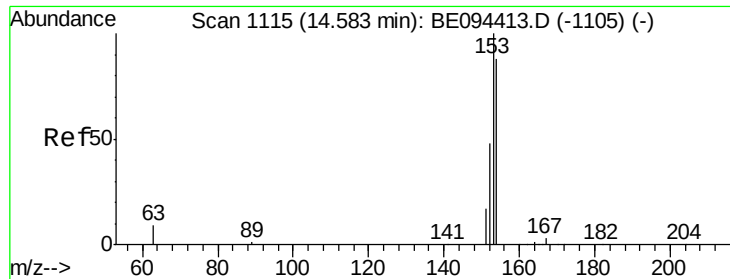
#16  
Acenaphthylene  
Concen: 0.007 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Tgt Ion: 152 Resp: 177  
Ion Ratio Lower Upper  
152 100  
151 23.7 15.7 23.5#  
153 0.0 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

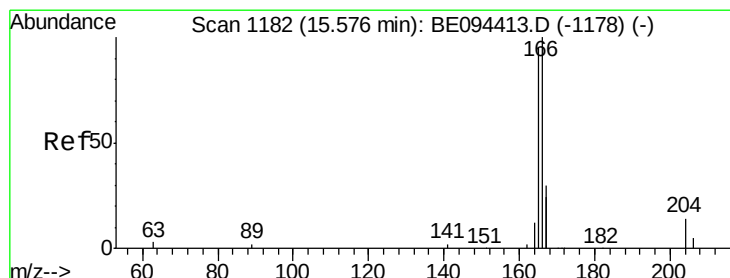
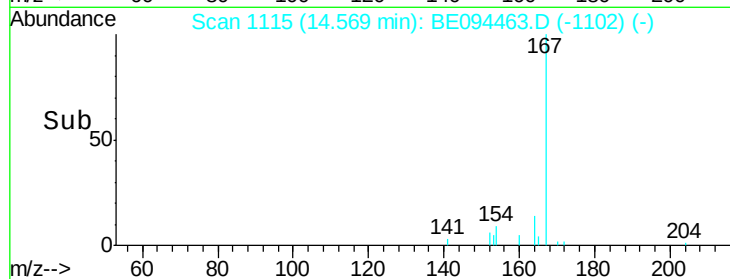
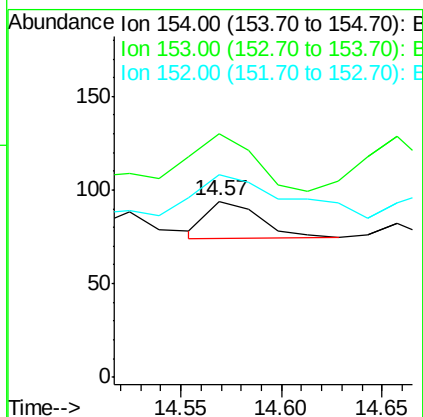
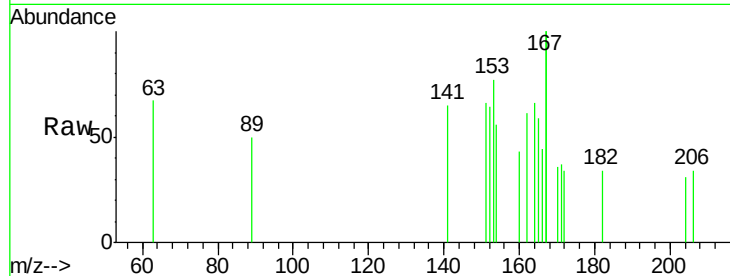




#17  
Acenaphthene  
Concen: 0.002 ng  
RT: 14.57 min Scan# 1115  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

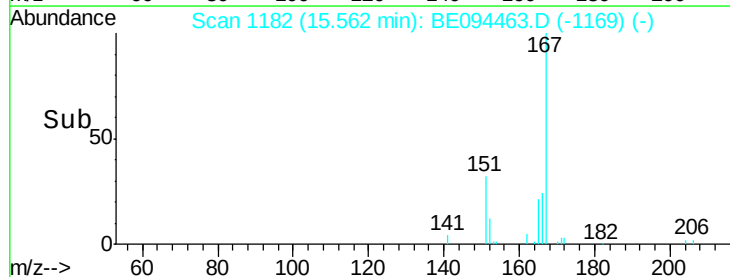
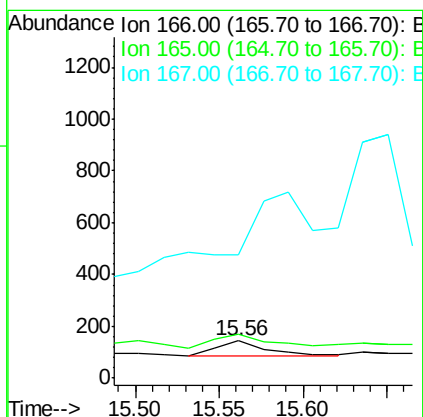
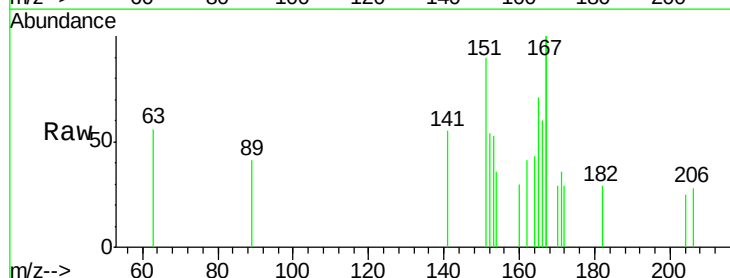
Instrument :  
BNA\_E  
ClientSampleId :  
3909-SPP2-DUP

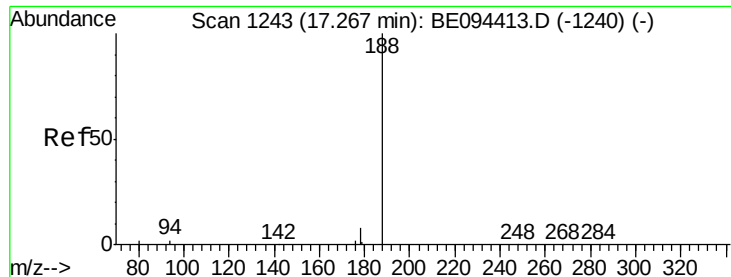
Tgt Ion:154 Resp: 36  
Ion Ratio Lower Upper  
154 100  
153 188.9 89.2 133.8#  
152 200.0 42.0 63.0#



#18  
Fluorene  
Concen: 0.006 ng  
RT: 15.56 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Tgt Ion:166 Resp: 114  
Ion Ratio Lower Upper  
166 100  
165 108.8 77.8 116.6  
167 0.0 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

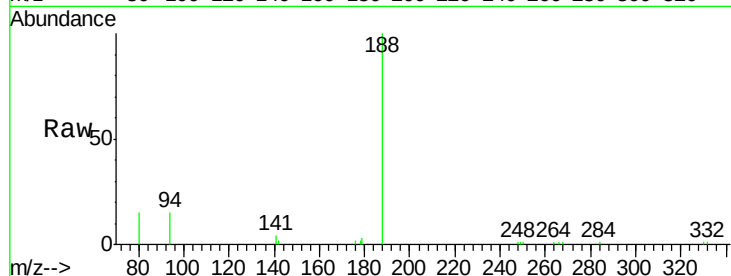
Tgt Ion:188 Resp: 11965

Ion Ratio Lower Upper

188 100

94 14.8 3.9 5.9#

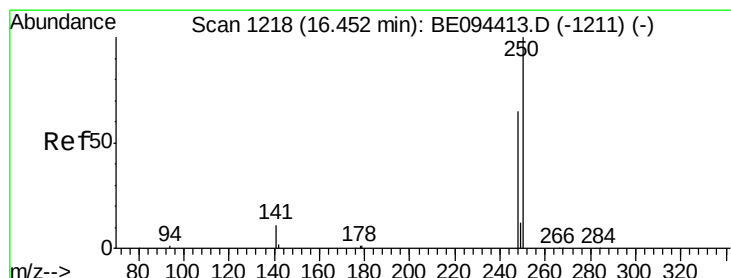
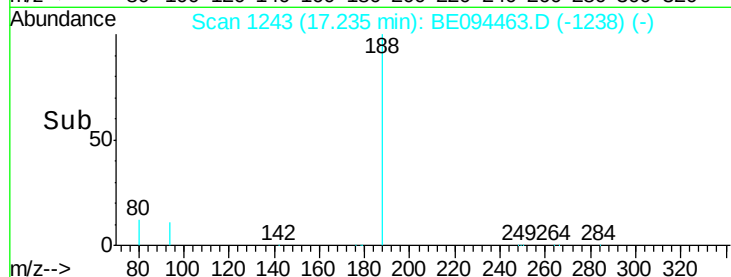
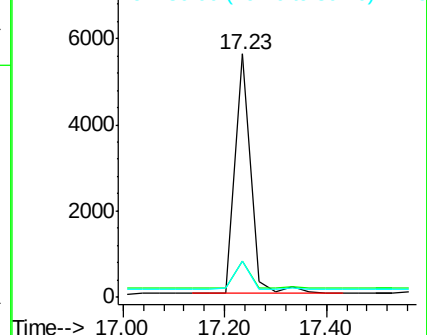
80 15.0 3.6 5.4#



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: 0.001 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

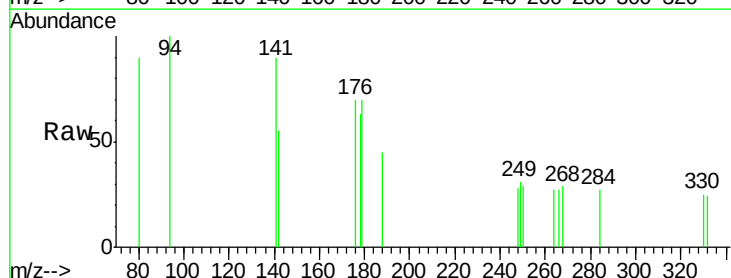
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 103.8 62.7 94.1#

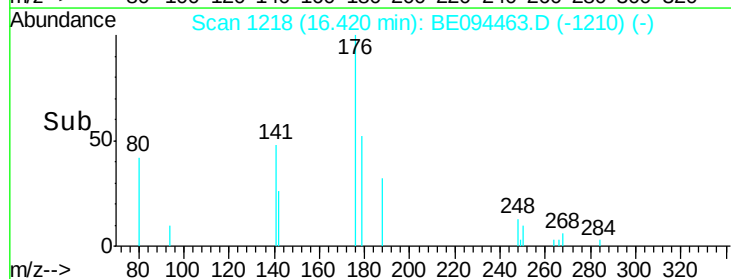
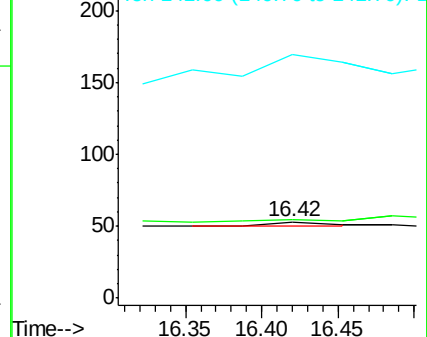
141 318.9 48.2 72.2#

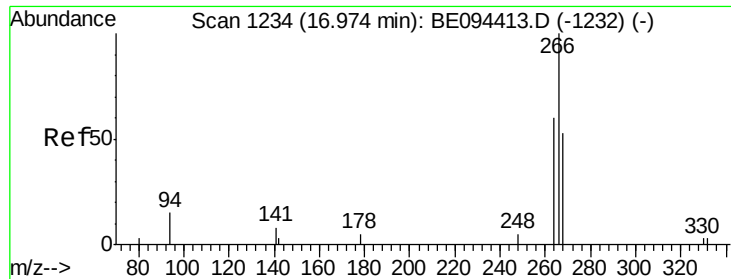


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.189 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

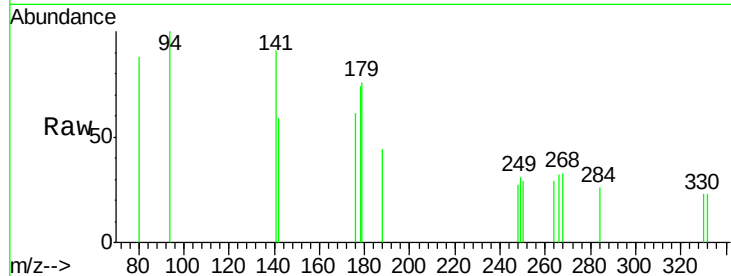
Tgt Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

264 90.6 72.5 108.7

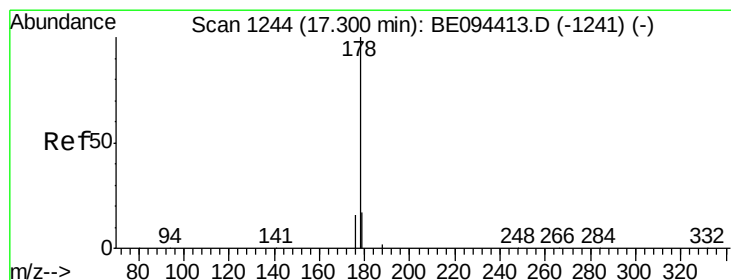
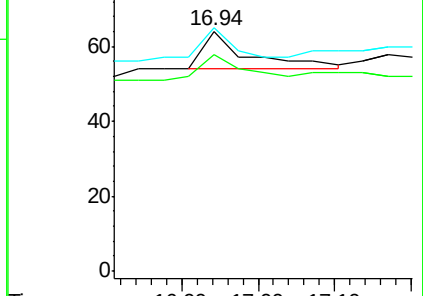
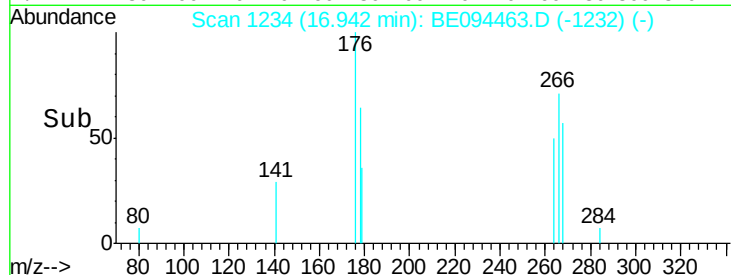
268 101.6 73.8 110.6



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: 0.011 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

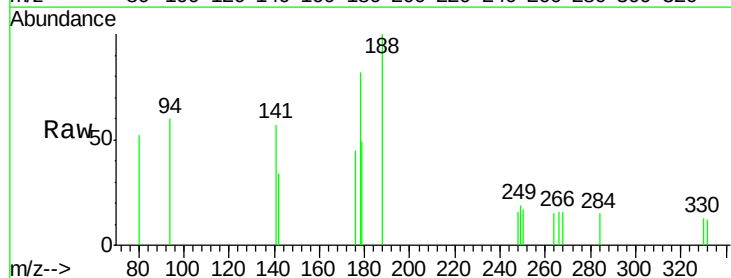
Tgt Ion:178 Resp: 516

Ion Ratio Lower Upper

178 100

176 24.2 15.1 22.7#

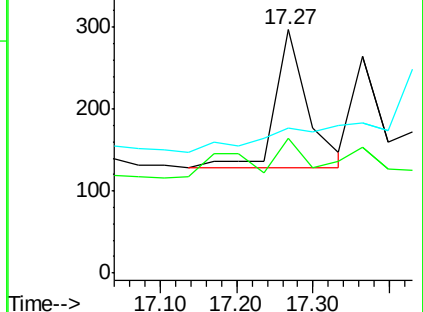
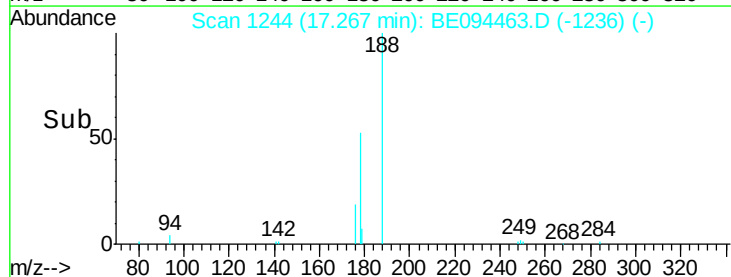
179 0.0 11.8 17.6#

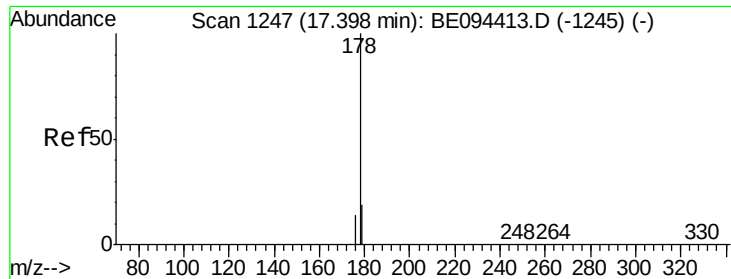


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.010 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

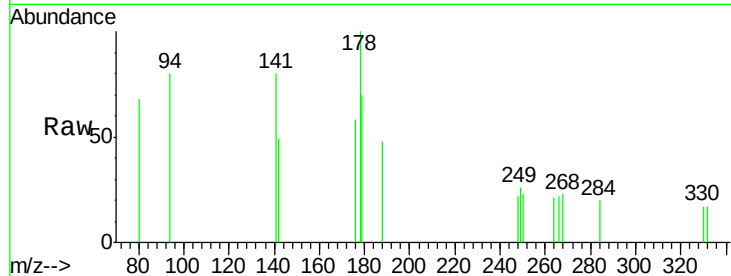
Tgt Ion:178 Resp: 356

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

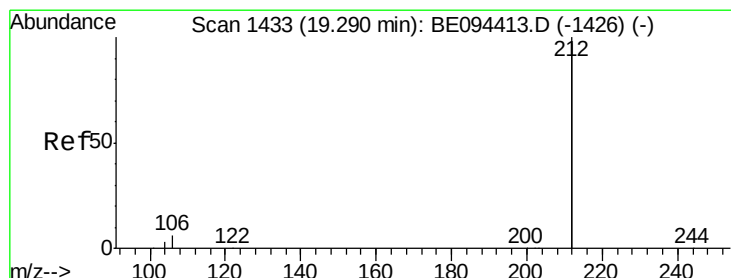
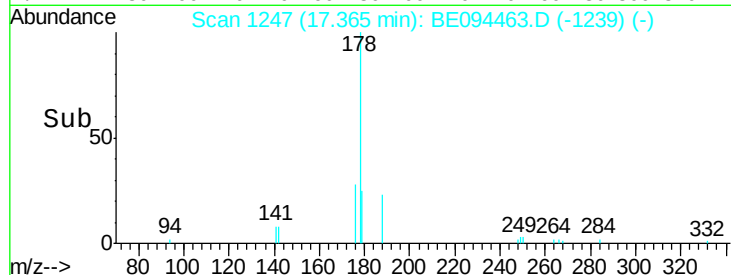
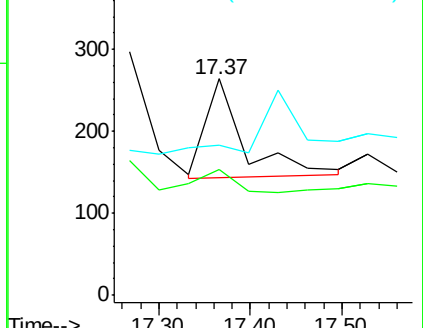
179 0.0 13.0 19.6#



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: 0.272 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

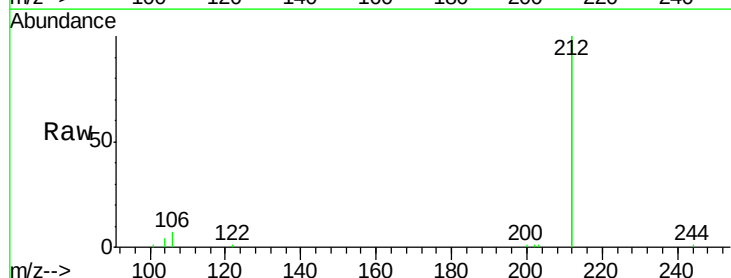
Tgt Ion:212 Resp: 52441

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

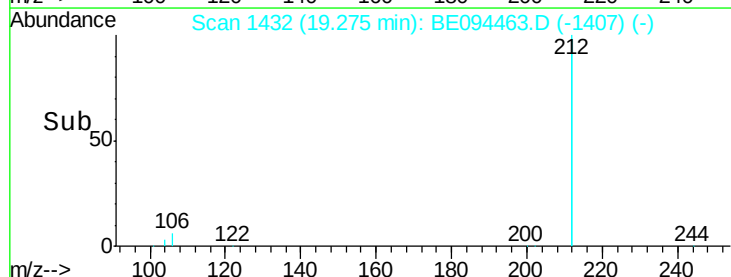
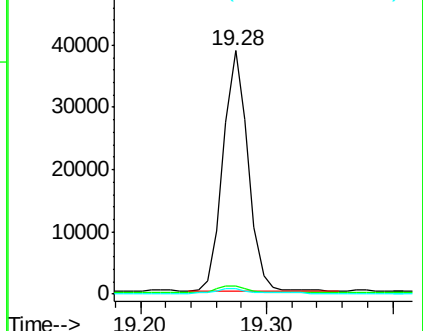
104 1.9 1.6 2.4

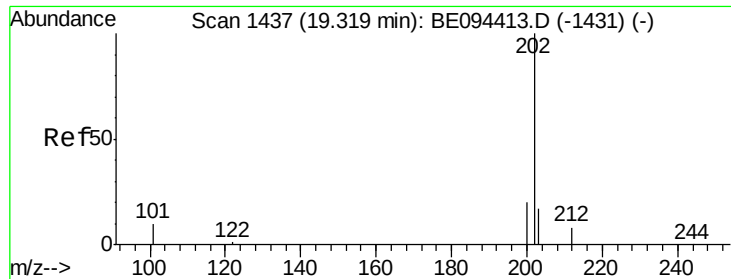


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

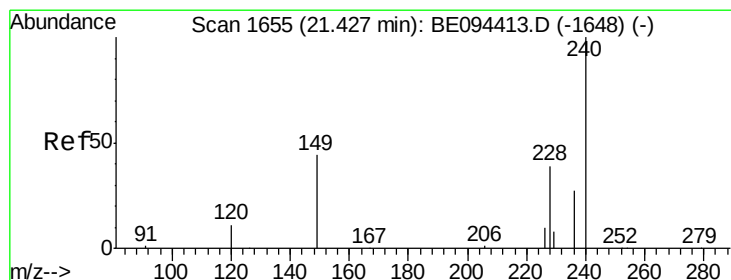
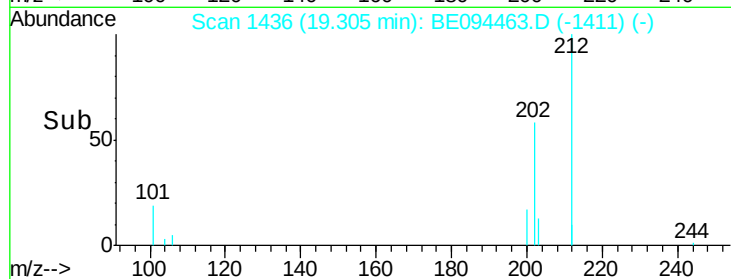
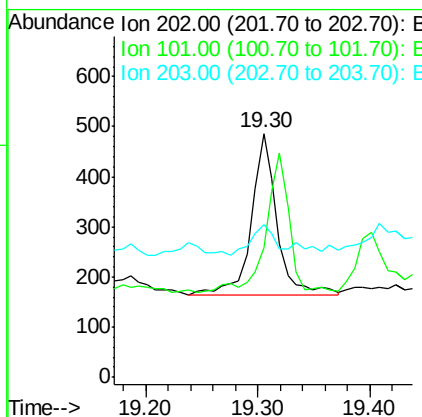
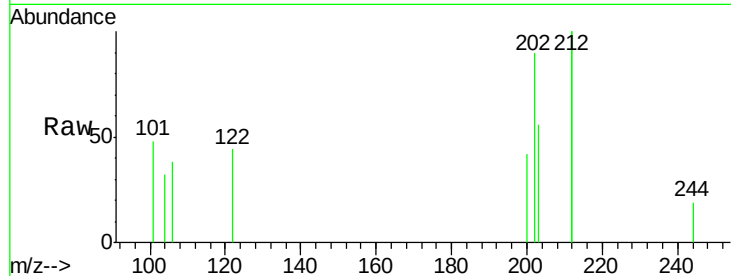




#26  
Fluoranthene  
Concen: 0.009 ng  
RT: 19.30 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

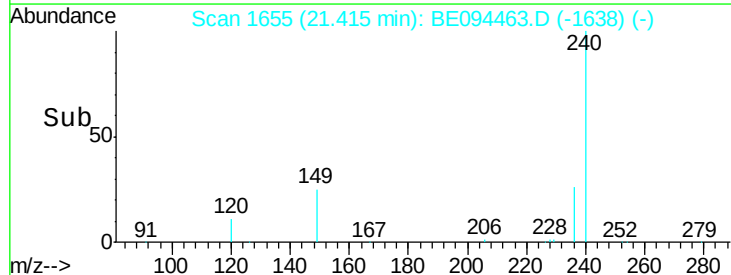
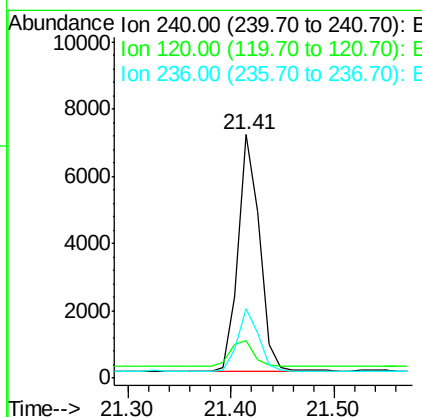
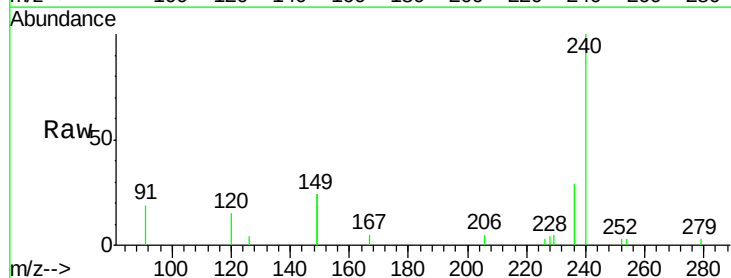
Instrument :  
BNA\_E  
ClientSampleId :  
3909-SPP2-DUP

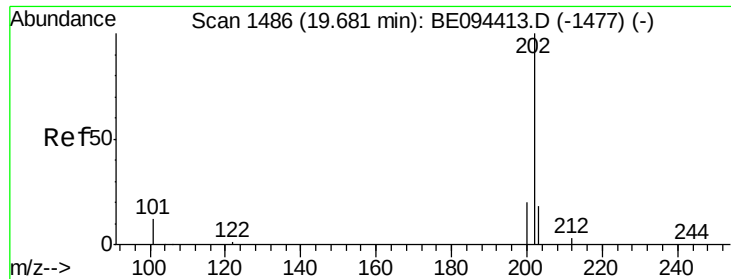
Tgt Ion: 202 Resp: 508  
Ion Ratio Lower Upper  
202 100  
101 78.7 9.8 14.8#  
203 17.3 13.7 20.5



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.41 min Scan# 1655  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Tgt Ion: 240 Resp: 10154  
Ion Ratio Lower Upper  
240 100  
120 15.2 5.5 8.3#  
236 28.5 20.7 31.1





#28

Pyrene

Concen: 0.013 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

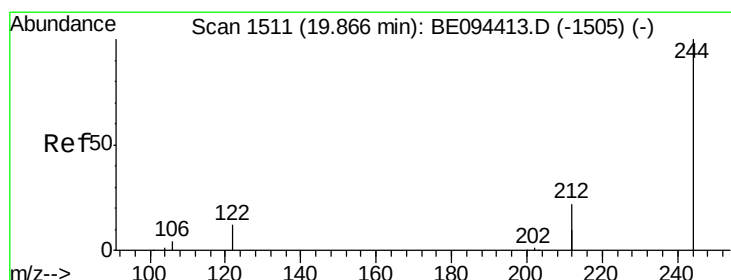
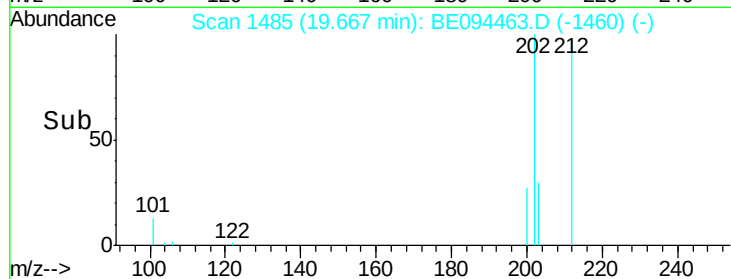
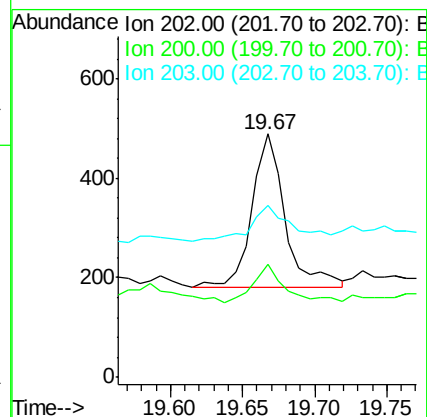
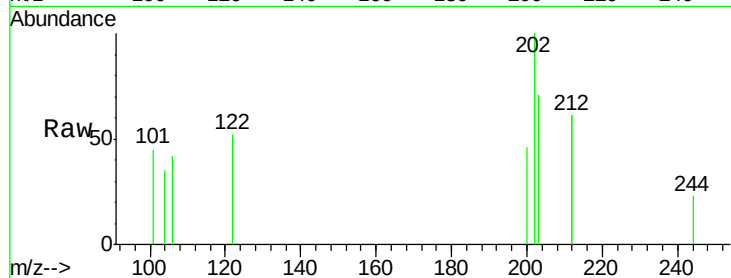
Tgt Ion:202 Resp: 501

Ion Ratio Lower Upper

202 100

200 24.2 16.6 25.0

203 28.1 13.8 20.8#



#29

Terphenyl-d14

Concen: 0.580 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

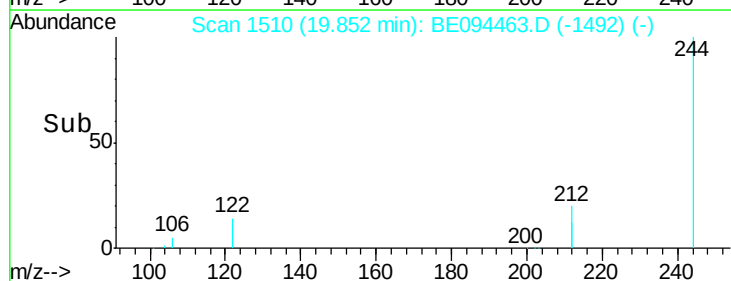
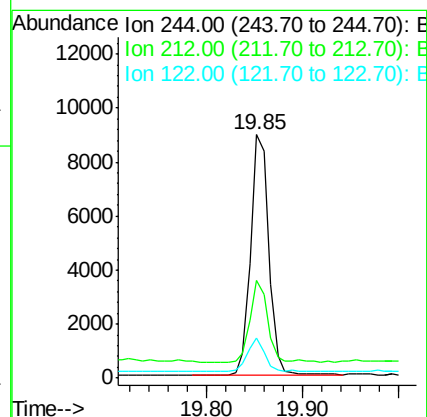
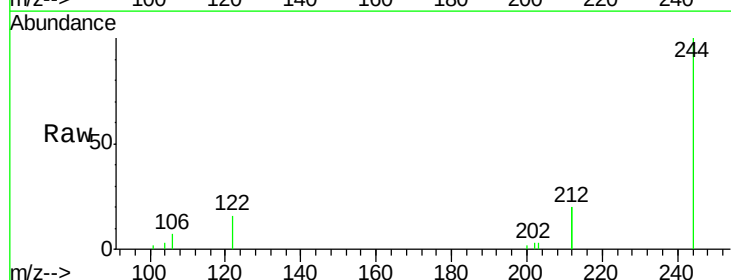
Tgt Ion:244 Resp: 11875

Ion Ratio Lower Upper

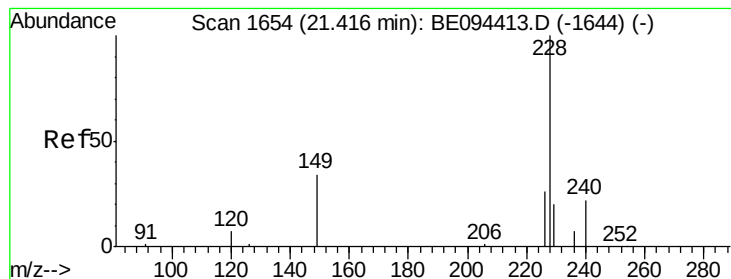
244 100

212 40.3 25.4 38.0#

122 16.4 8.1 12.1#







#30

Benzo(a)anthracene

Concen: 0.007 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

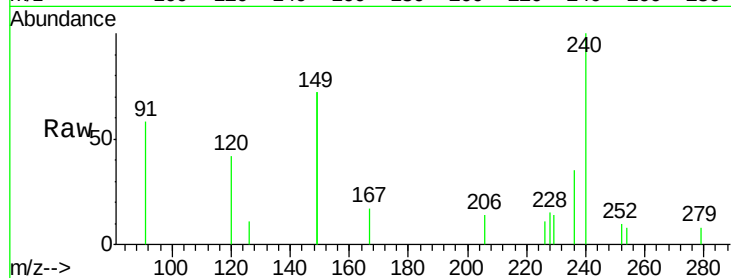
Tgt Ion:228 Resp: 247

Ion Ratio Lower Upper

228 100

226 73.6 40.0 60.0#

229 96.9 40.0 60.0#



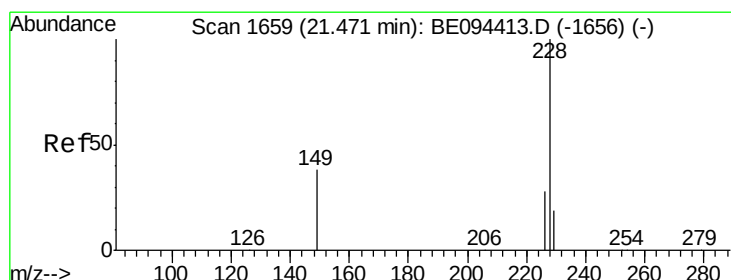
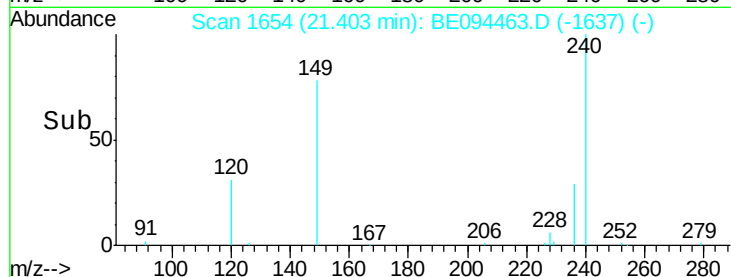
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.40

Time-->



#31

Chrysene

Concen: 0.008 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

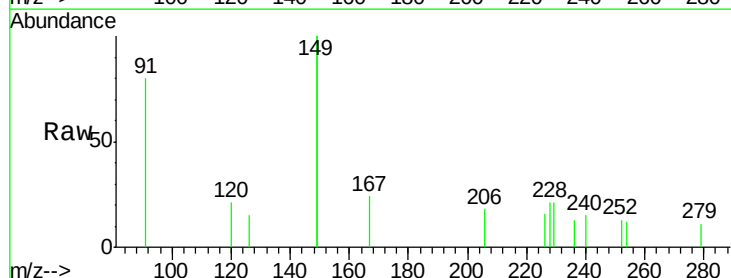
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 75.8 40.0 60.0#

229 97.2 40.0 60.0#



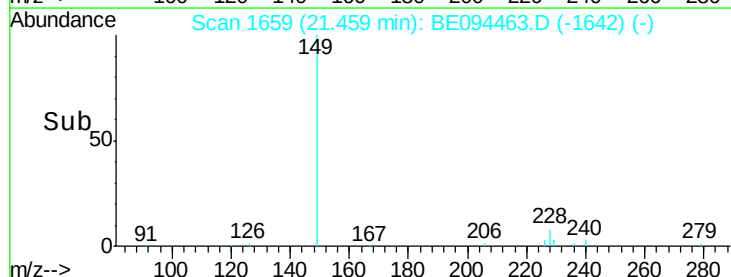
Abundance Ion 228.00 (227.70 to 228.70): E

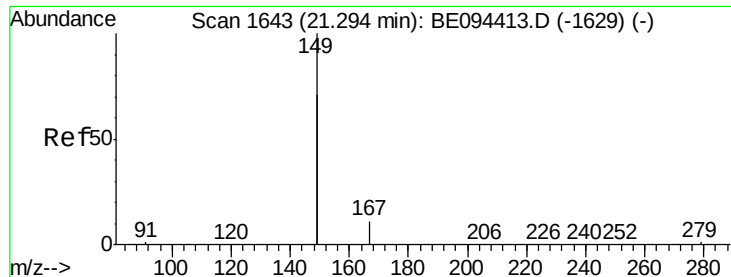
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.46

Time-->

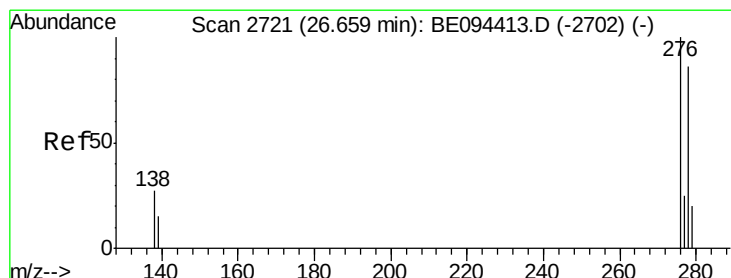
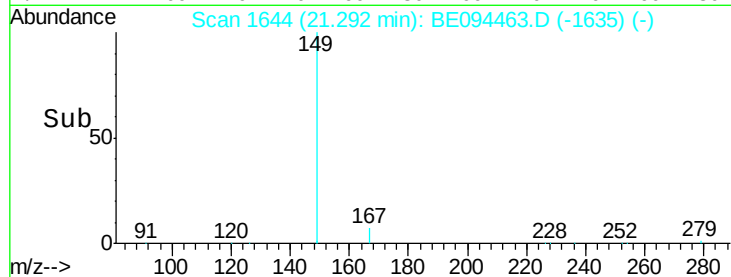
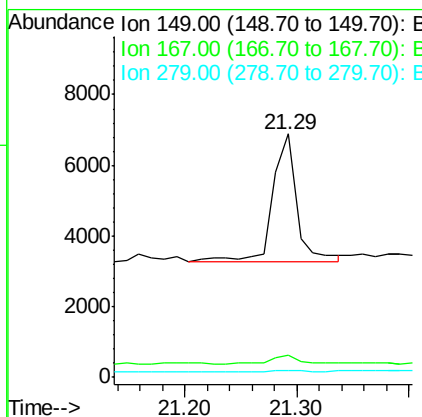
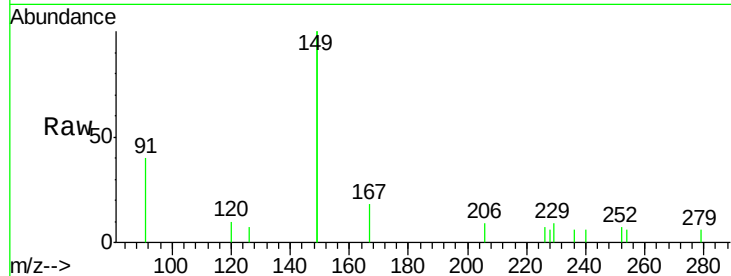




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.054 ng  
 RT: 21.29 min Scan# 1644  
 Delta R.T. -0.00 min  
 Lab File: BE094463.D  
 Acq: 20 Oct 2017 1:47

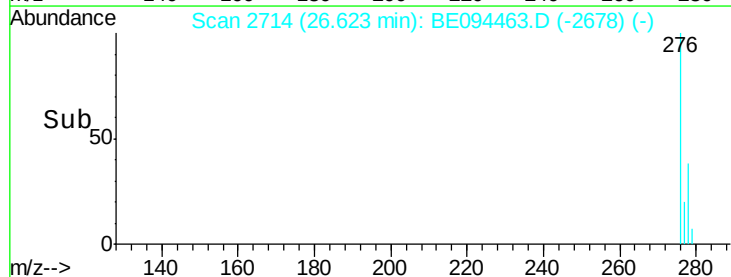
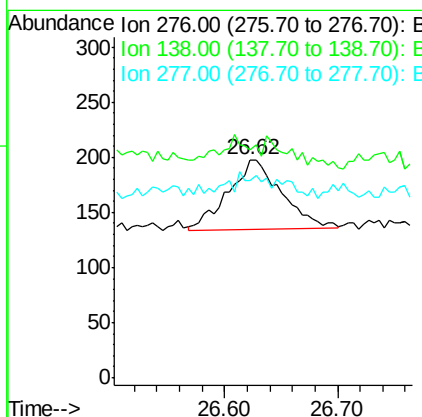
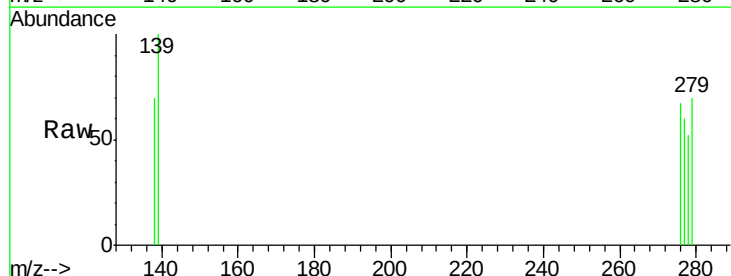
Instrument :  
 BNA\_E  
 ClientSampleId :  
 3909-SPP2-DUP

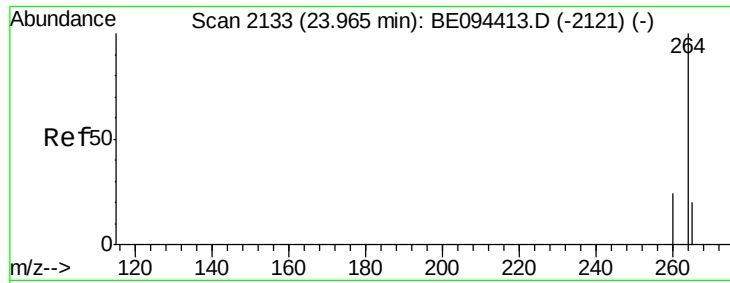
Tgt Ion:149 Resp: 5443  
 Ion Ratio Lower Upper  
 149 100  
 167 6.7 5.4 8.0  
 279 0.9 0.7 1.1



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.006 ng  
 RT: 26.62 min Scan# 2714  
 Delta R.T. -0.04 min  
 Lab File: BE094463.D  
 Acq: 20 Oct 2017 1:47

Tgt Ion:276 Resp: 203  
 Ion Ratio Lower Upper  
 276 100  
 138 8.4 22.5 33.7#  
 277 7.9 19.9 29.9#

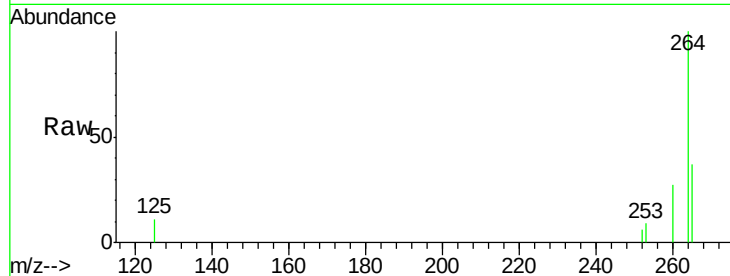




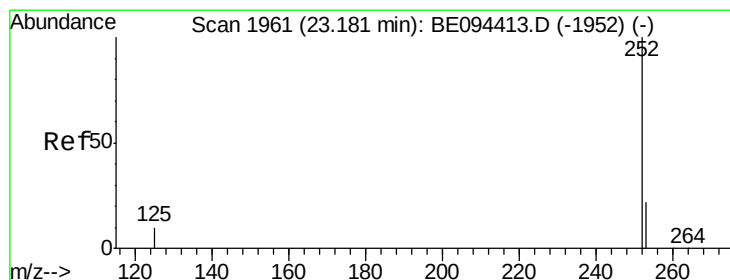
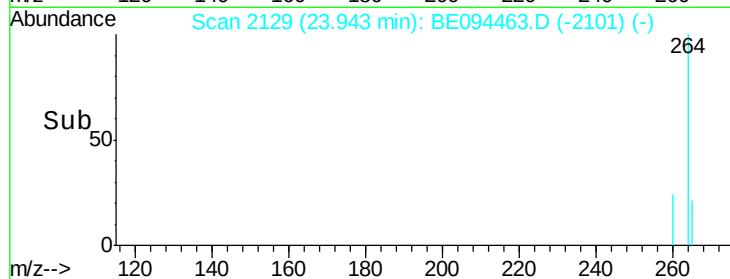
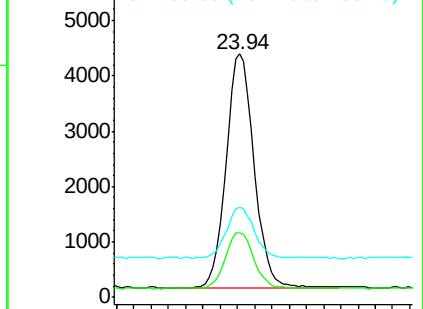
#34  
**Perylene-d12**  
 Concen: 0.400 ng  
 RT: 23.94 min Scan# 2129  
 Delta R.T. -0.02 min  
 Lab File: BE094463.D  
 Acq: 20 Oct 2017 1:47

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3909-SPP2-DUP

Tgt Ion: 264 Resp: 9670  
 Ion Ratio Lower Upper  
 264 100  
 260 26.7 20.5 30.7  
 265 37.0 22.8 34.2#

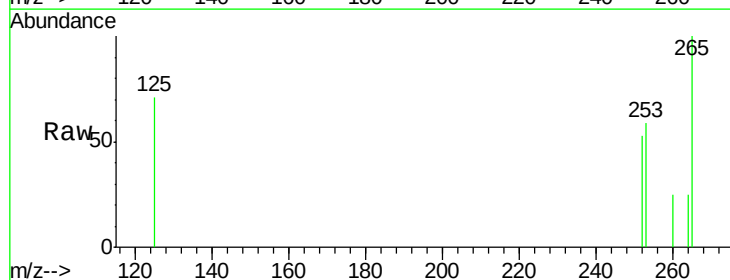


Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

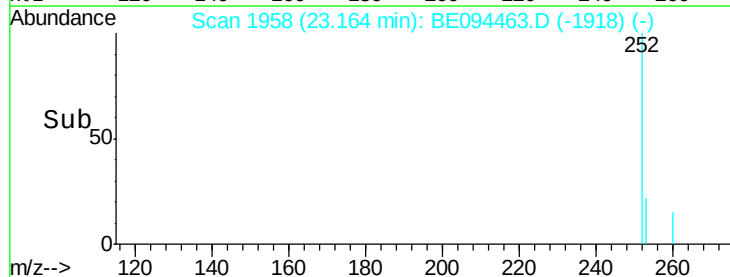
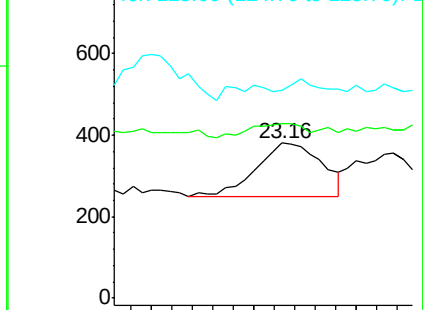


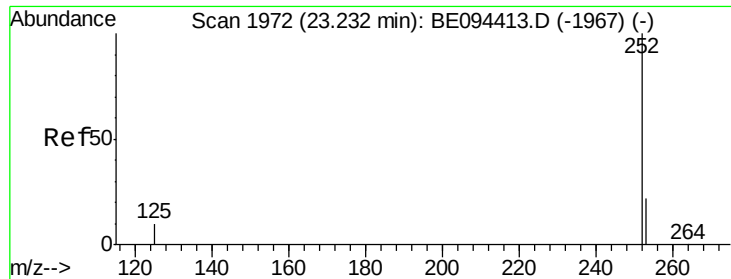
#35  
**Benzo(b)fluoranthene**  
 Concen: 0.009 ng  
 RT: 23.16 min Scan# 1958  
 Delta R.T. -0.02 min  
 Lab File: BE094463.D  
 Acq: 20 Oct 2017 1:47

Tgt Ion: 252 Resp: 298  
 Ion Ratio Lower Upper  
 252 100  
 253 112.9 48.0 72.0#  
 125 134.5 56.0 84.0#



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

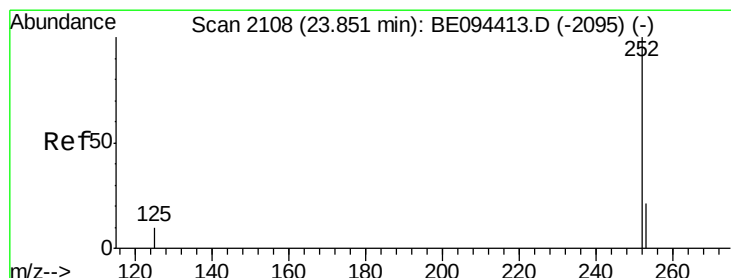
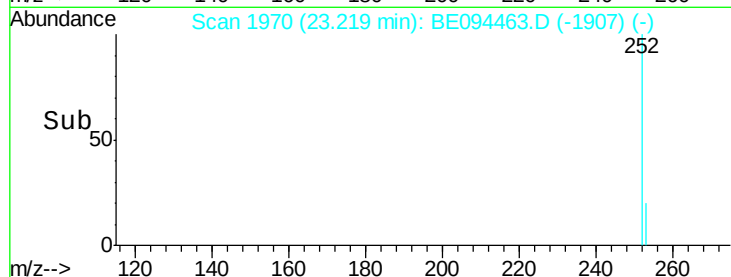
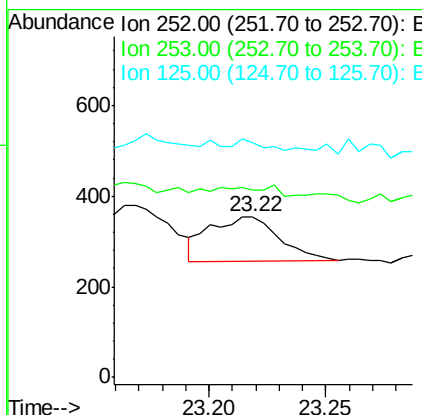
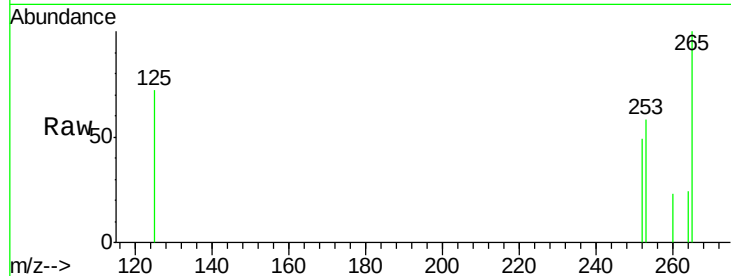




#36  
Benzo(k)fluoranthene  
Concen: 0.006 ng  
RT: 23.22 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

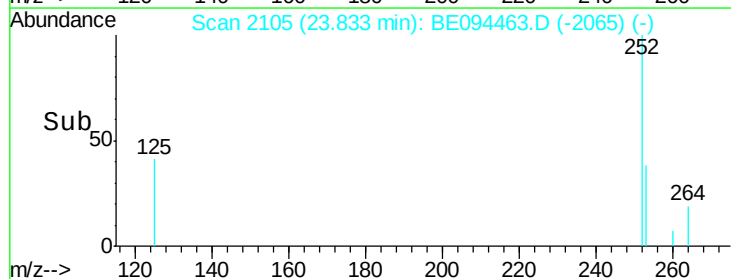
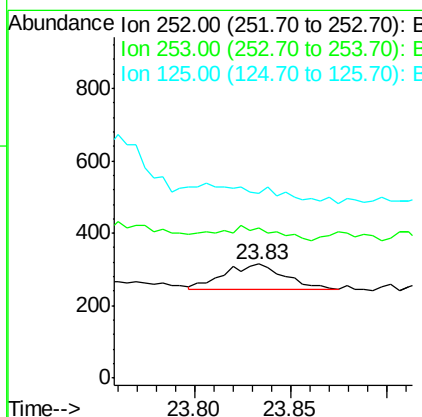
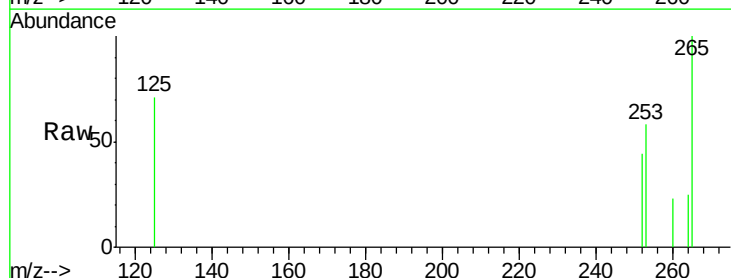
Instrument :  
BNA\_E  
ClientSampleId :  
3909-SPP2-DUP

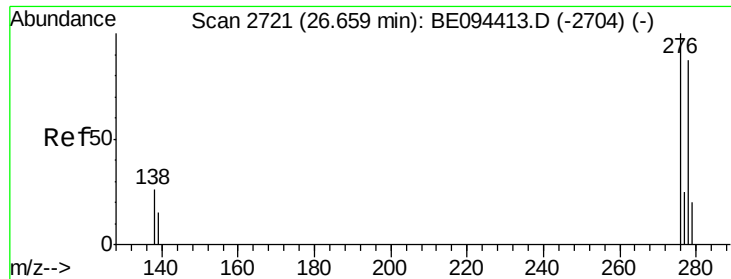
Tgt Ion: 252 Resp: 202  
Ion Ratio Lower Upper  
252 100  
253 116.6 48.0 72.0#  
125 145.6 56.0 84.0#



#37  
Benzo(a)pyrene  
Concen: 0.005 ng  
RT: 23.83 min Scan# 2105  
Delta R.T. -0.02 min  
Lab File: BE094463.D  
Acq: 20 Oct 2017 1:47

Tgt Ion: 252 Resp: 148  
Ion Ratio Lower Upper  
252 100  
253 132.1 52.0 78.0#  
125 162.2 68.0 102.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

Instrument :

BNA\_E

ClientSampleId :

3909-SPP2-DUP

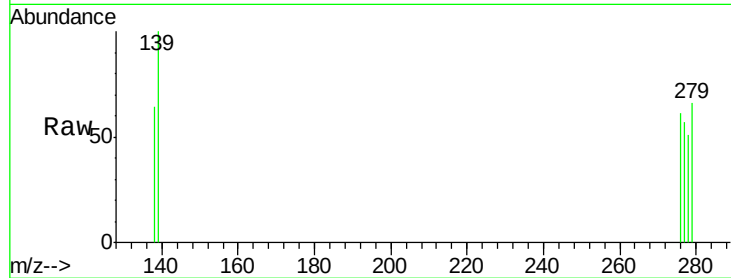
Tgt Ion:278 Resp: 128

Ion Ratio Lower Upper

278 100

139 194.4 56.0 84.0#

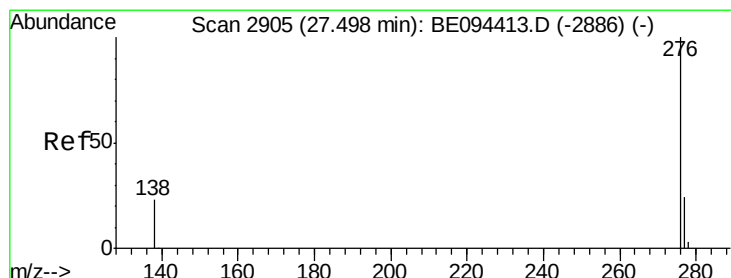
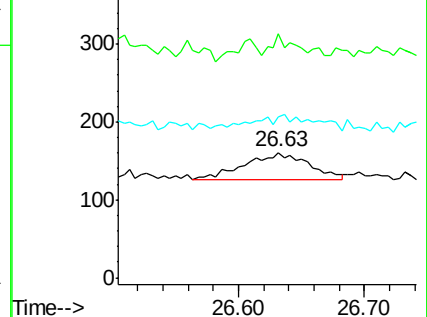
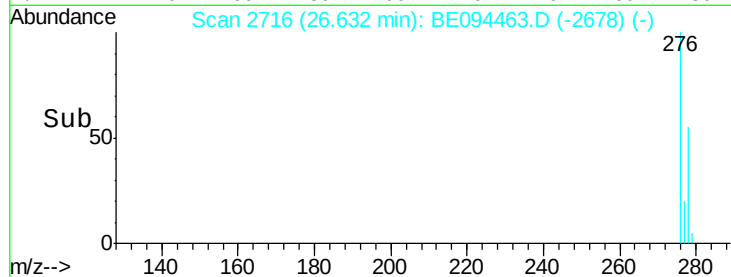
279 128.0 52.0 78.0#



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: 0.003 ng

RT: 27.45 min Scan# 2896

Delta R.T. -0.05 min

Lab File: BE094463.D

Acq: 20 Oct 2017 1:47

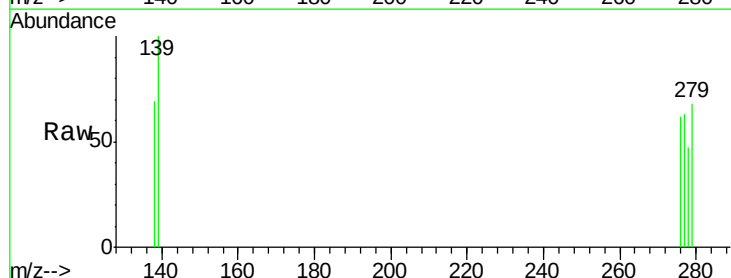
Tgt Ion:276 Resp: 75

Ion Ratio Lower Upper

276 100

277 102.3 52.0 78.0#

138 111.9 44.0 66.0#



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

