

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041118\  
 Data File : BE095969.D  
 Acq On : 11 Apr 2018 14:10  
 Operator : SJ/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 11 15:28:01 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 11 15:27:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.39  | 152  | 1235     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.22 | 136  | 4695     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.97 | 164  | 2610     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.67 | 188  | 6281     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.78 | 240  | 6940     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.39 | 264  | 6592     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.89  | 112  | 785      | 0.19 | ng    | 0.00     |
| 5) Phenol-d6                | 7.53  | 99   | 1039     | 0.19 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.49  | 82   | 121      | 0.02 | ng    | -0.08    |
| 11) 2-Methylnaphthalene-d10 | 12.76 | 152  | 1555     | 0.20 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.44 | 330  | 240      | 0.16 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.61 | 172  | 2284     | 0.21 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.66 | 212  | 17534    | 0.19 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.23 | 244  | 3219     | 0.22 | ng    | 0.01     |

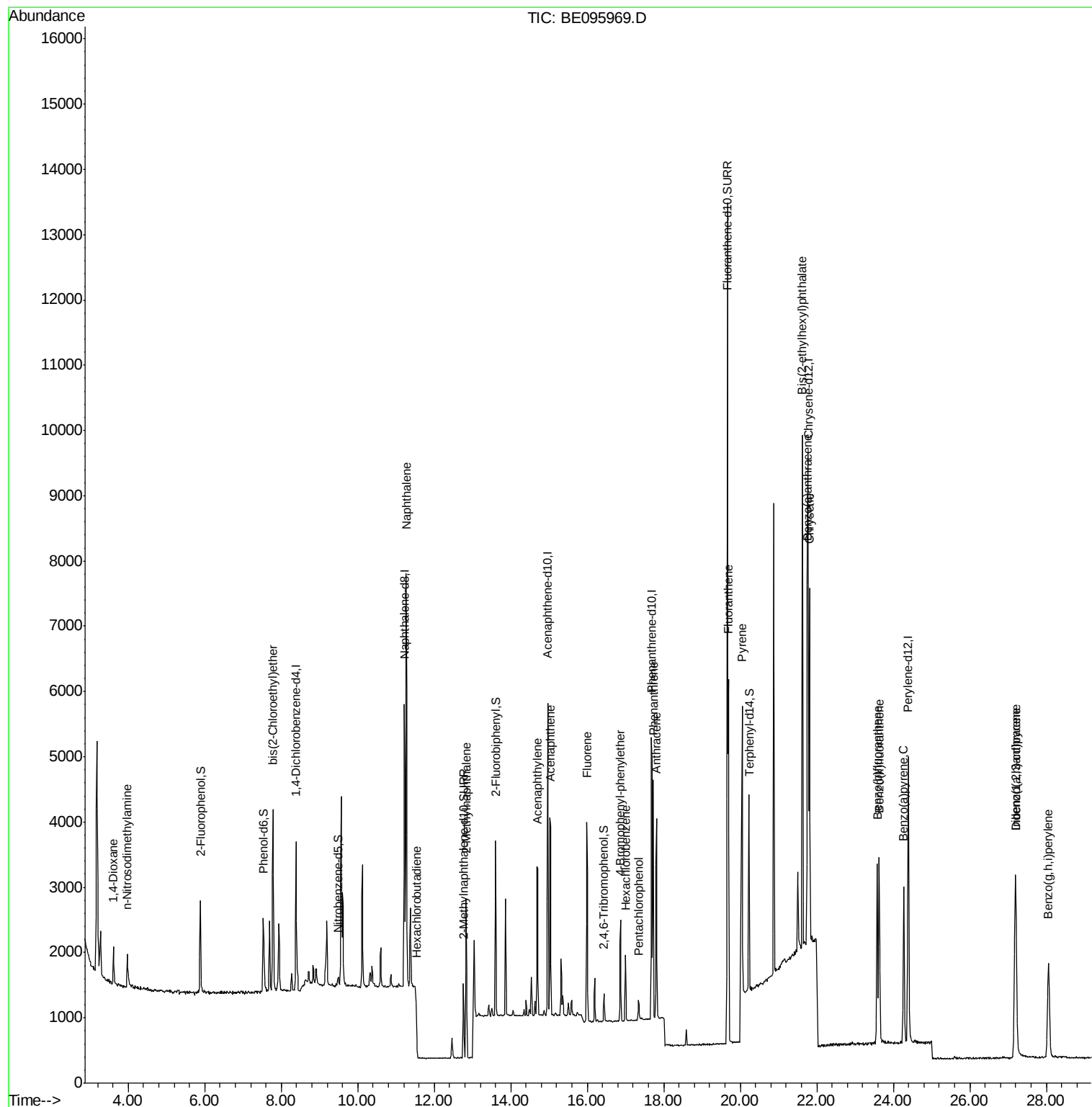
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.62  | 88   | 409      | 0.202 | ng    | 93     |
| 3) n-Nitrosodimethylamine      | 3.97  | 42   | 439      | 0.148 | ng    | 88     |
| 6) bis(2-Chloroethyl)ether     | 7.78  | 93   | 938      | 0.194 | ng    | 98     |
| 9) Naphthalene                 | 11.27 | 128  | 10326    | 0.193 | ng    | 100    |
| 10) Hexachlorobutadiene        | 11.53 | 225  | 468      | 0.127 | ng    | 92     |
| 12) 2-Methylnaphthalene        | 12.84 | 142  | 1679     | 0.183 | ng    | 95     |
| 16) Acenaphthylene             | 14.70 | 152  | 2883     | 0.193 | ng    | 99     |
| 17) Acenaphthene               | 15.04 | 154  | 1695     | 0.186 | ng    | 93     |
| 18) Fluorene                   | 15.99 | 166  | 2137     | 0.178 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 16.87 | 248  | 773      | 0.205 | ng    | # 84   |
| 21) Hexachlorobenzene          | 17.00 | 284  | 767      | 0.203 | ng    | # 83   |
| 22) Pentachlorophenol          | 17.33 | 266  | 199      | 0.183 | ng    | 83     |
| 23) Phenanthrene               | 17.72 | 178  | 3658     | 0.195 | ng    | 99     |
| 24) Anthracene                 | 17.81 | 178  | 3373     | 0.179 | ng    | 96     |
| 26) Fluoranthene               | 19.69 | 202  | 4722     | 0.181 | ng    | 98     |
| 28) Pyrene                     | 20.05 | 202  | 3226     | 0.114 | ng    | 93     |
| 30) Benzo(a)anthracene         | 21.75 | 228  | 4651     | 0.193 | ng    | 98     |
| 31) Chrysene                   | 21.81 | 228  | 4405     | 0.201 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 11736    | 0.159 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 27.18 | 276  | 4202     | 0.178 | ng    | 95     |
| 35) Benzo(b)fluoranthene       | 23.58 | 252  | 4003     | 0.184 | ng    | # 93   |
| 36) Benzo(k)fluoranthene       | 23.63 | 252  | 4239     | 0.194 | ng    | # 86   |
| 37) Benzo(a)pyrene             | 24.27 | 252  | 3907     | 0.191 | ng    | # 90   |
| 38) Dibenzo(a,h)anthracene     | 27.20 | 278  | 3307     | 0.170 | ng    | 96     |
| 39) Benzo(g,h,i)perylene       | 28.06 | 276  | 3631     | 0.186 | ng    | # 92   |

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

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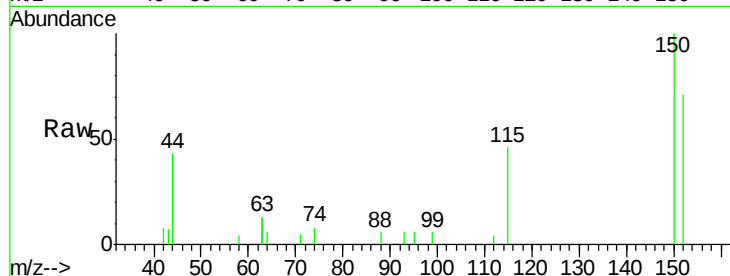


#1

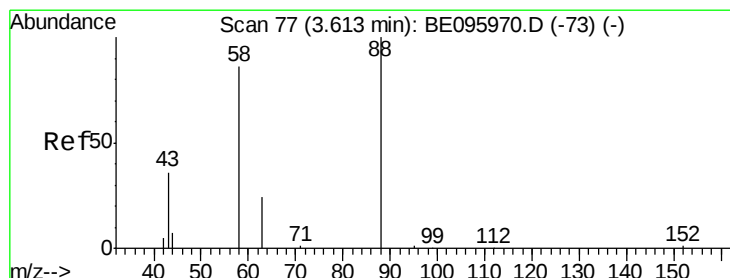
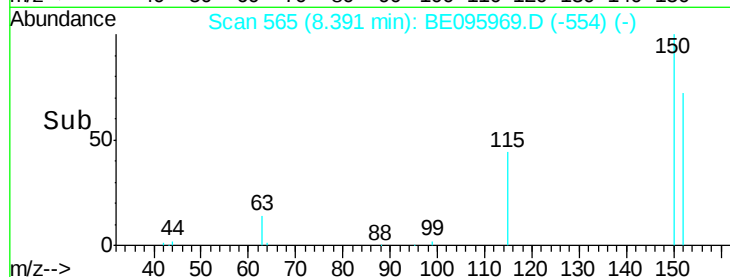
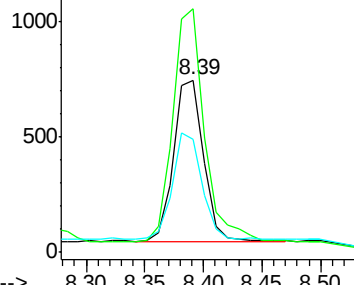
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.39 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 1235  
Ion Ratio Lower Upper  
152 100  
150 141.4 117.2 175.8  
115 65.3 57.0 85.6



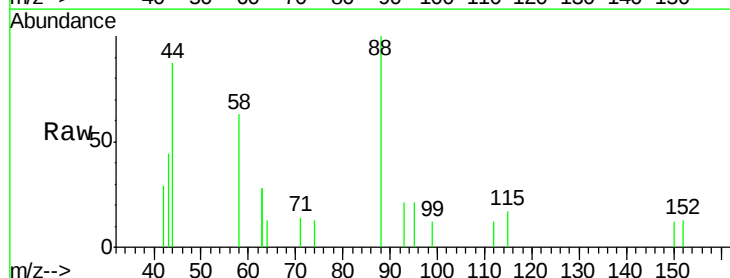
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



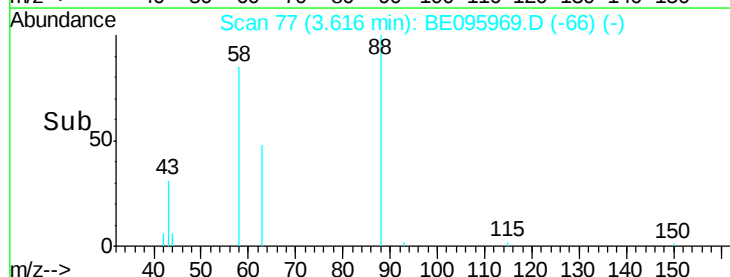
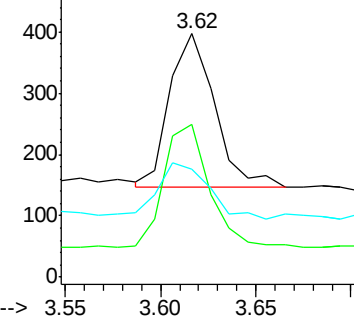
#2

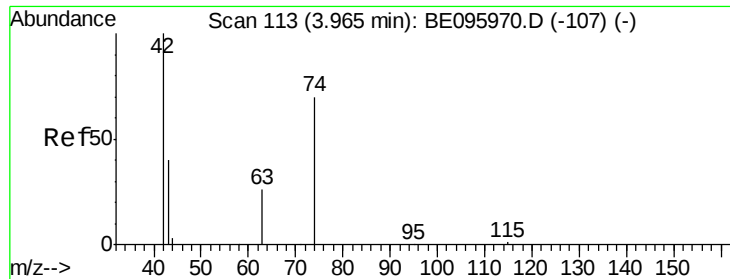
1,4-Dioxane  
Concen: 0.202 ng  
RT: 3.62 min Scan# 77  
Delta R.T. 0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

Tgt Ion: 88 Resp: 409  
Ion Ratio Lower Upper  
88 100  
58 81.4 63.2 94.8  
43 41.8 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



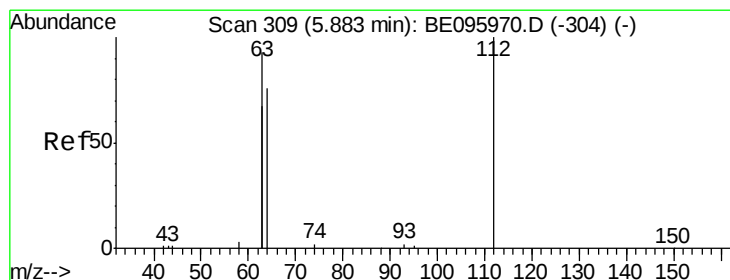
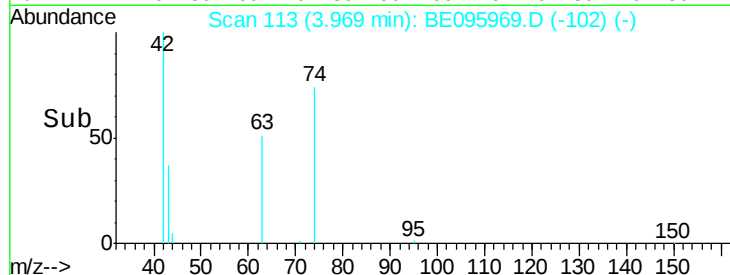
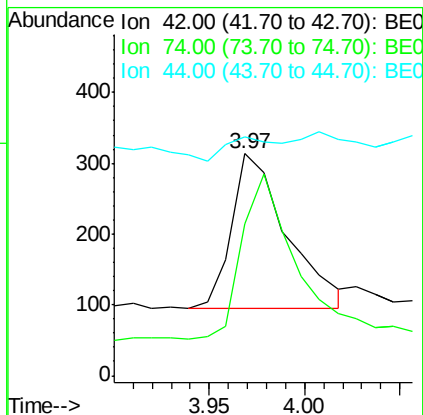
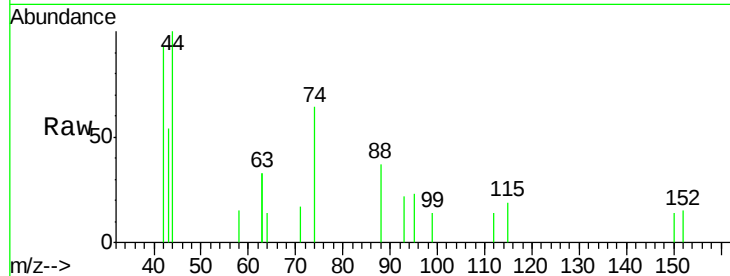


#3

n-Nitrosodimethylamine  
 Concen: 0.148 ng  
 RT: 3.97 min Scan# 113  
 Delta R.T. 0.00 min  
 Lab File: BE095969.D  
 Acq: 11 Apr 2018 14:10

Instrument :  
 BNA\_E  
 ClientSampleId :

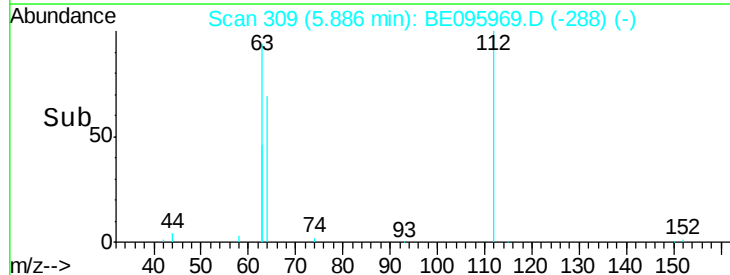
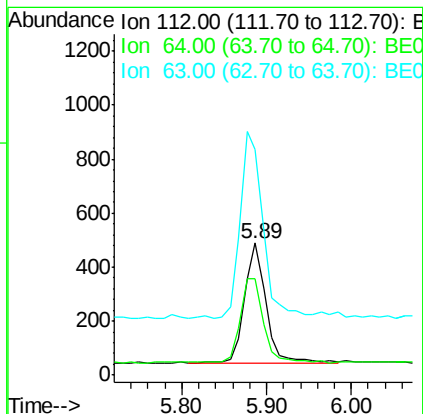
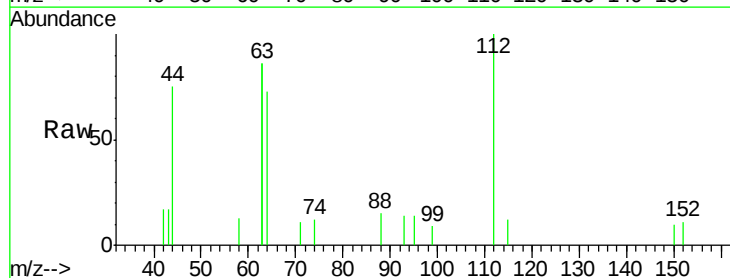
Tot Ion: 42 Resp: 439  
 Ion Ratio Lower Upper  
 42 100  
 74 105.0 96.0 144.0  
 44 14.8 12.0 18.0

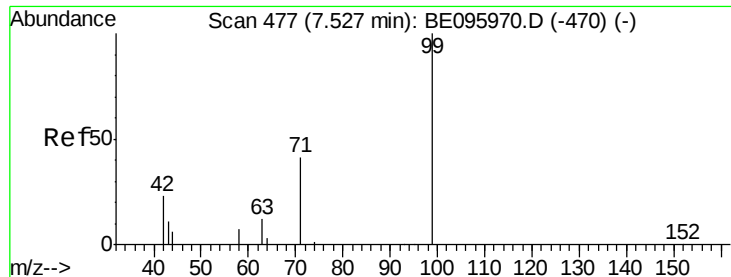


#4

2-Fluorophenol  
 Concen: 0.193 ng  
 RT: 5.89 min Scan# 309  
 Delta R.T. 0.00 min  
 Lab File: BE095969.D  
 Acq: 11 Apr 2018 14:10

Tgt Ion: 112 Resp: 785  
 Ion Ratio Lower Upper  
 112 100  
 64 76.6 60.1 90.1  
 63 168.0 116.8 175.2





#5

Phenol-d6

Concen: 0.186 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

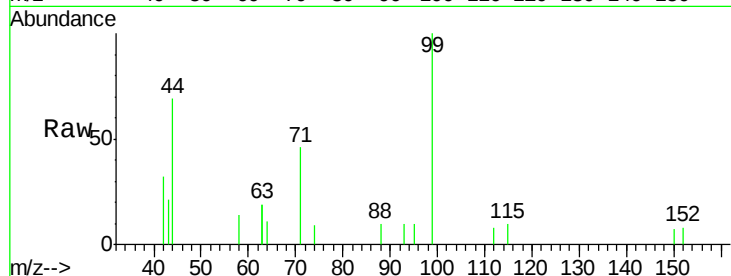
Tot Ion: 99 Resp: 1039

Ion Ratio Lower Upper

99 100

42 31.4 20.2 30.2#

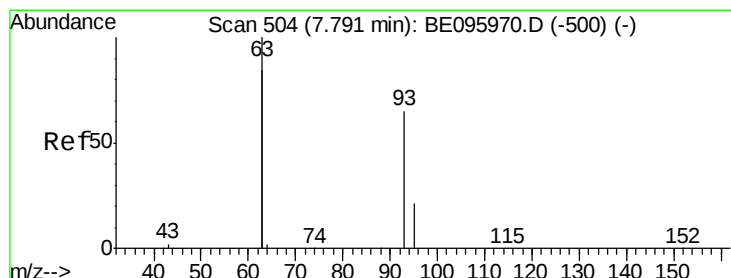
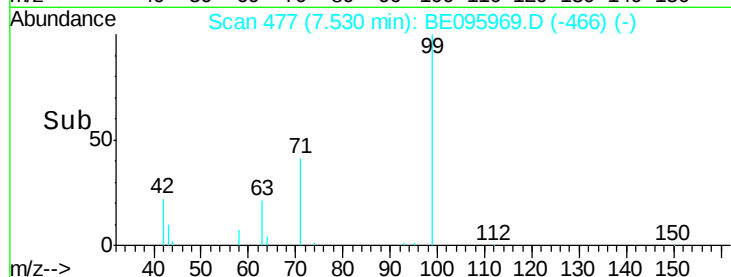
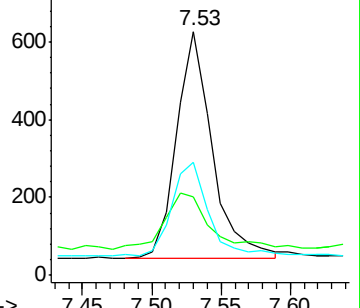
71 43.1 28.4 42.6#



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: 0.194 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.01 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

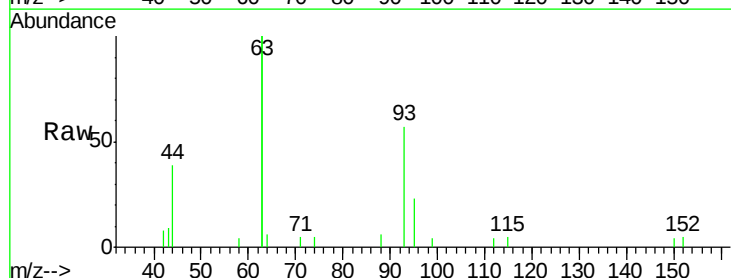
Tgt Ion: 93 Resp: 938

Ion Ratio Lower Upper

93 100

63 342.0 275.3 412.9

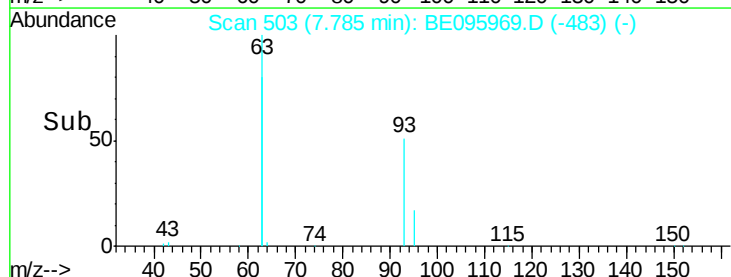
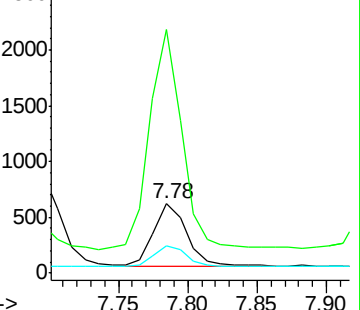
95 35.7 25.2 37.8



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: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 4695

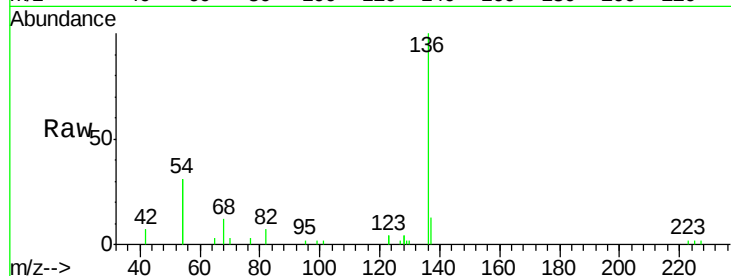
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 61.4 29.1 43.7#

68 11.6 6.2 9.2#

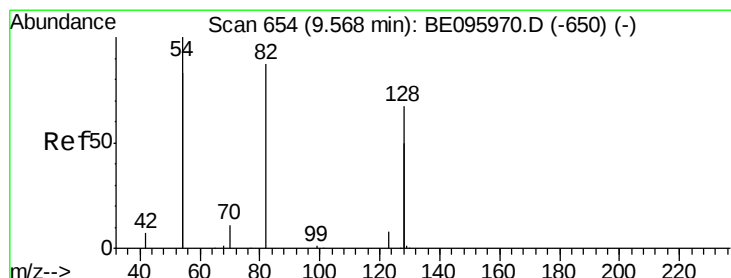
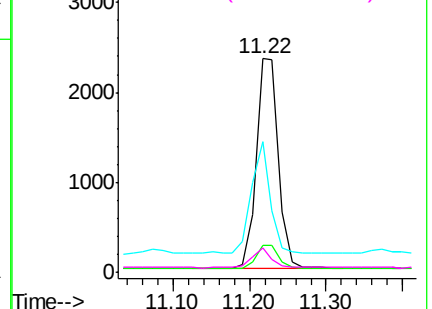
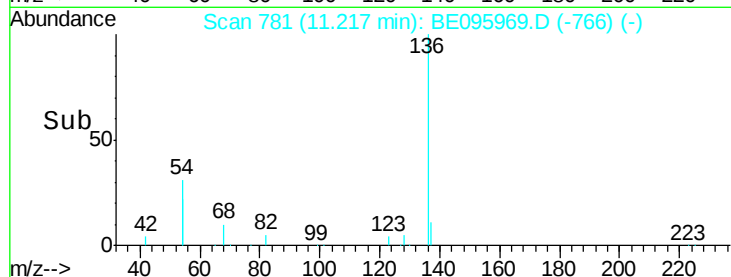


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.022 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.08 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

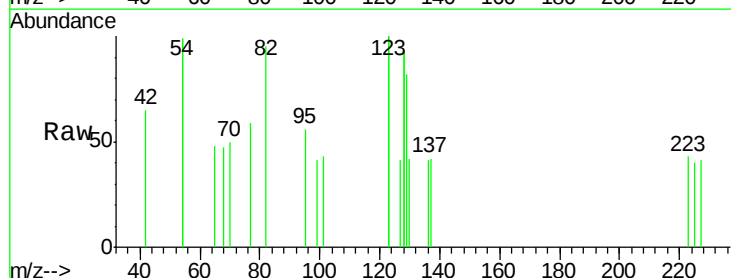
Tgt Ion: 82 Resp: 121

Ion Ratio Lower Upper

82 100

128 196.2 150.0 225.0

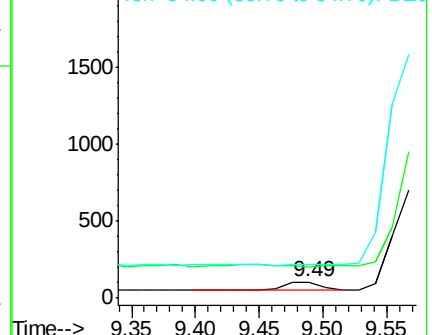
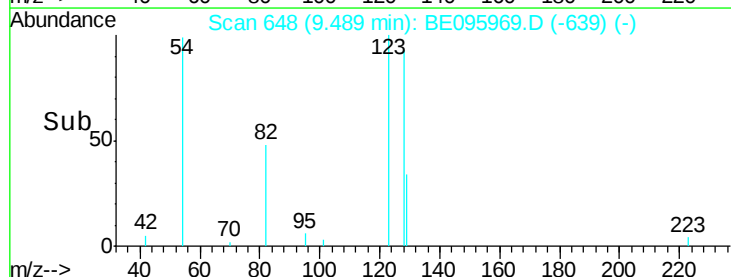
54 209.5 154.2 231.4

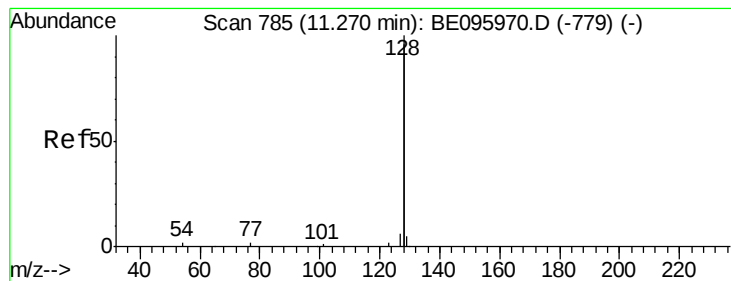


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.193 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

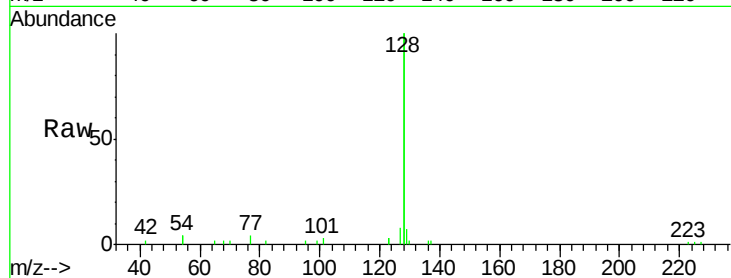
Tot Ion:128 Resp: 10326

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

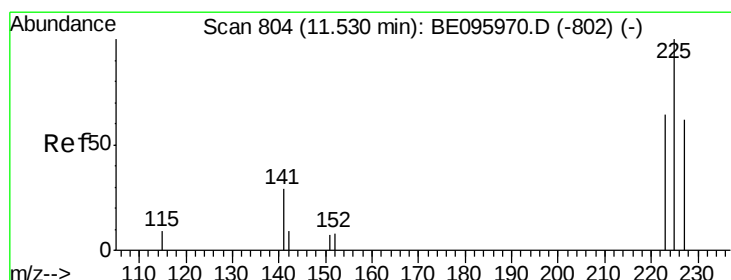
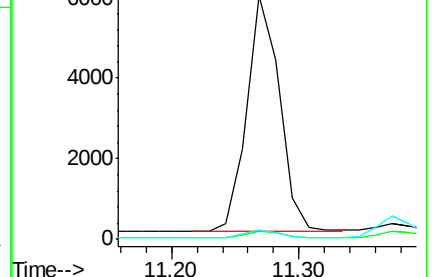
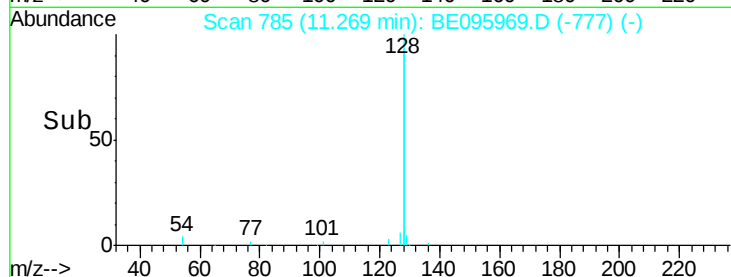
127 3.8 2.8 4.2



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: 0.127 ng

RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

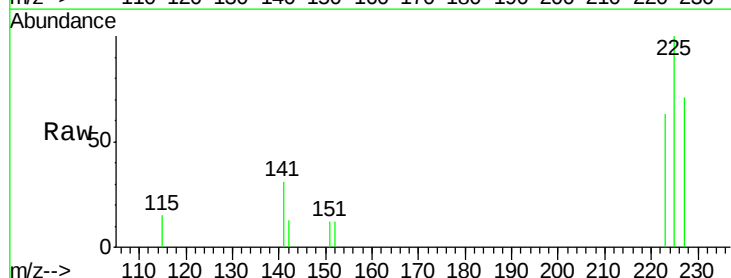
Tgt Ion:225 Resp: 468

Ion Ratio Lower Upper

225 100

223 65.6 53.0 79.6

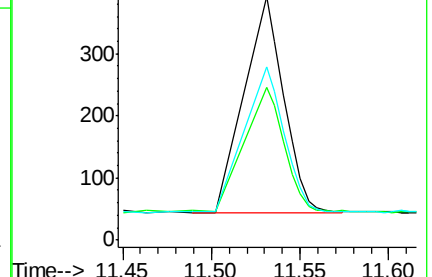
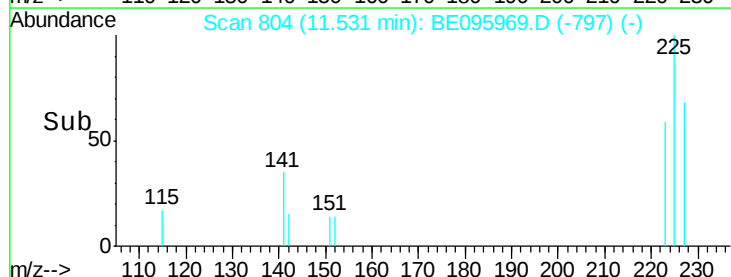
227 76.7 51.4 77.2

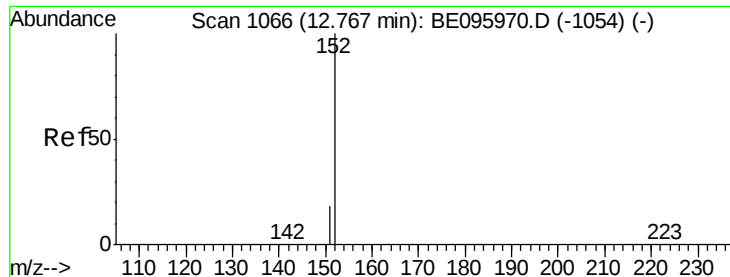


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.198 ng

RT: 12.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

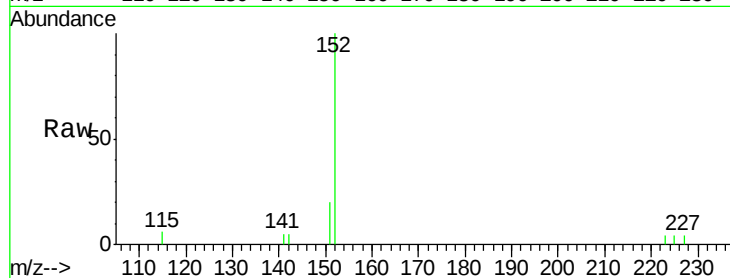
ClientSampleId :

Tot Ion:152 Resp: 1555

Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

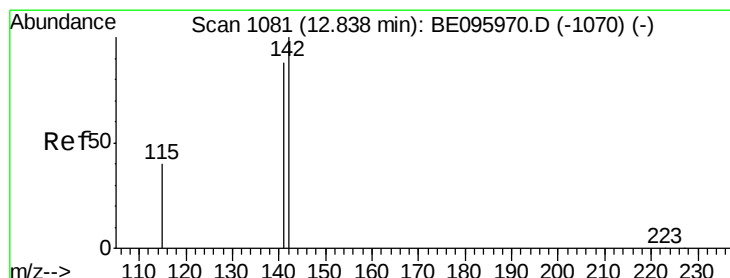
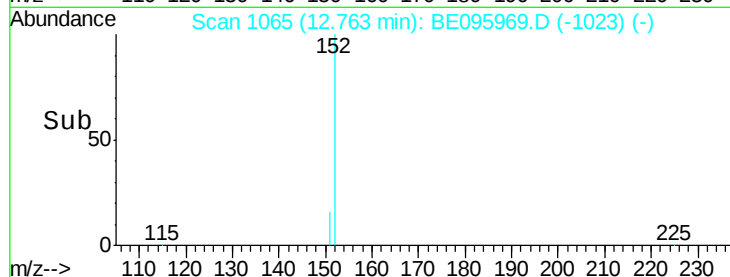
600

400

200

0

Time--> 12.70 12.80



#12

2-Methylnaphthalene

Concen: 0.183 ng

RT: 12.84 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

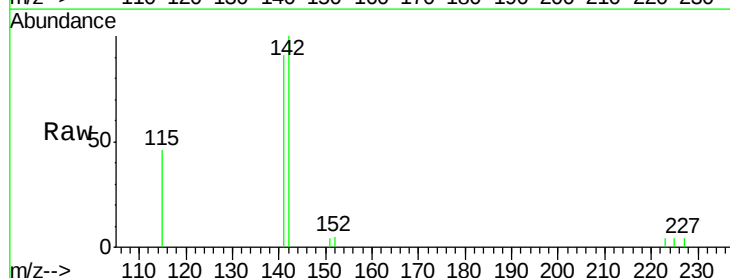
Tgt Ion:142 Resp: 1679

Ion Ratio Lower Upper

142 100

141 90.7 70.4 105.6

115 46.0 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

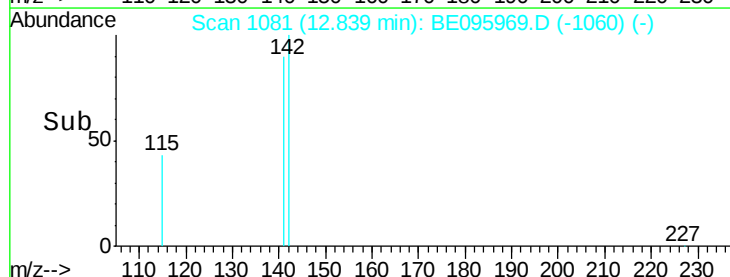
1500

1000

500

0

Time--> 12.75 12.80 12.85 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

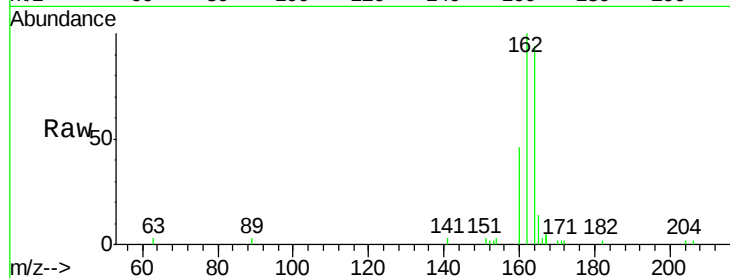
Tot Ion:164 Resp: 2610

Ion Ratio Lower Upper

164 100

162 106.8 83.1 124.7

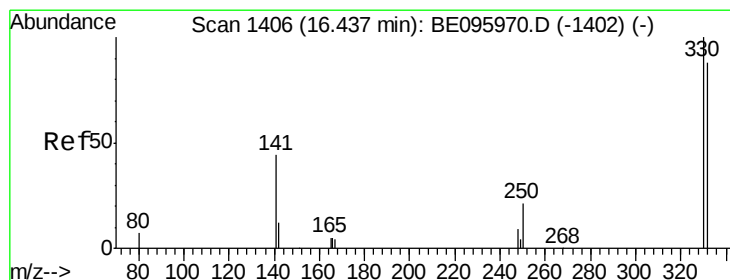
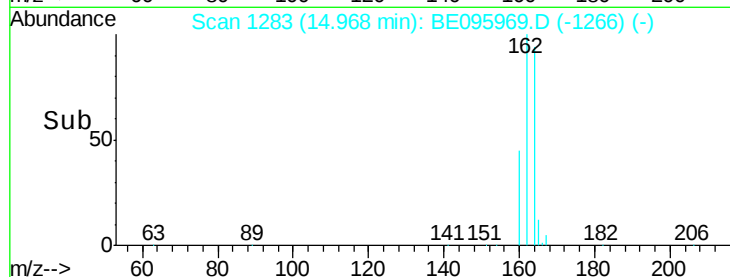
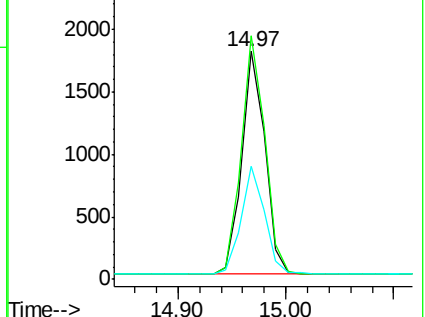
160 49.5 37.1 55.7



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: 0.159 ng

RT: 16.44 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

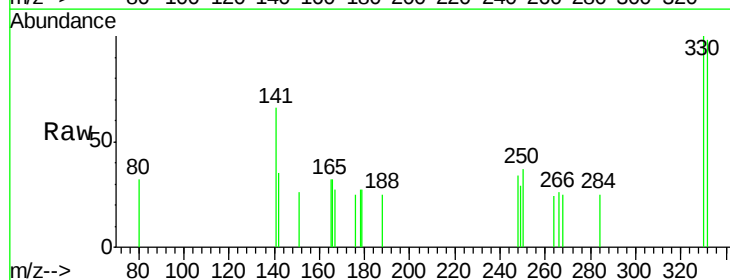
Tgt Ion:330 Resp: 240

Ion Ratio Lower Upper

330 100

332 98.3 152.7 229.1#

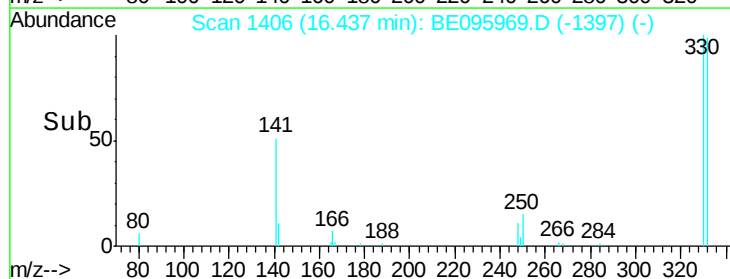
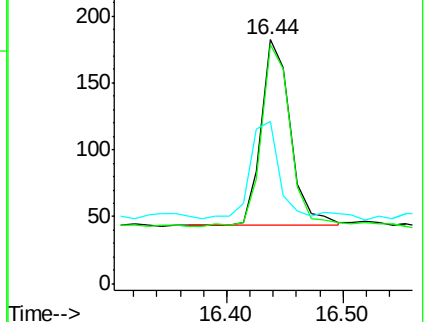
141 50.8 33.7 50.5#

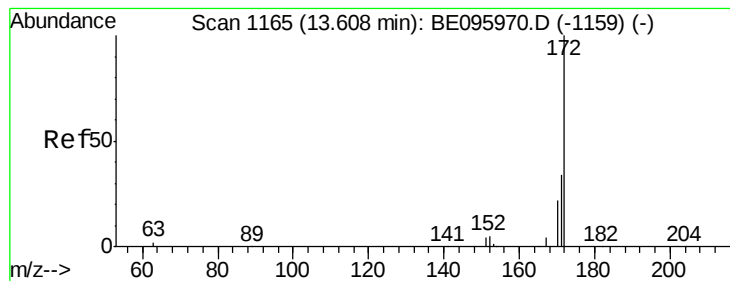


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

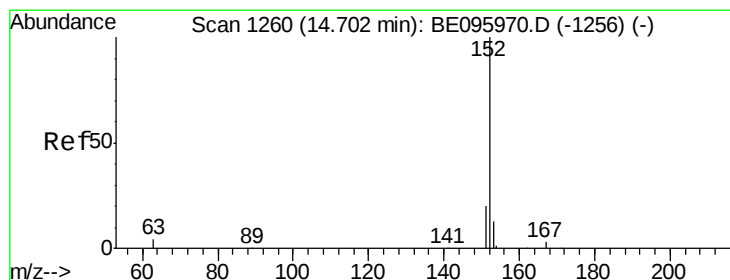
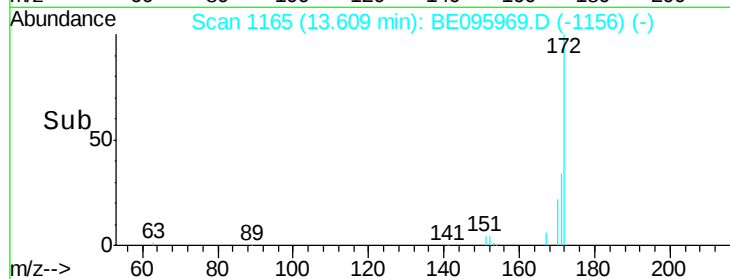
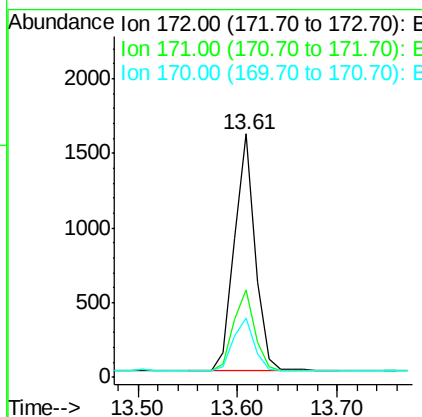
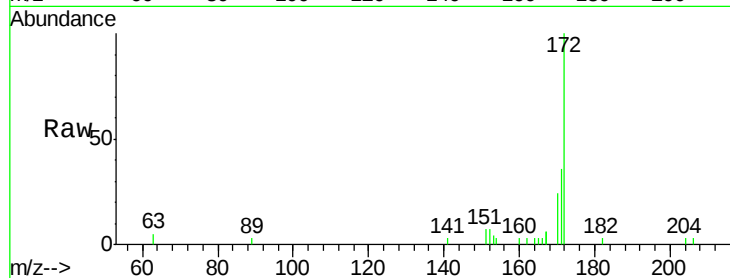




#15  
2-Fluorobiphenyl  
Concen: 0.208 ng  
RT: 13.61 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

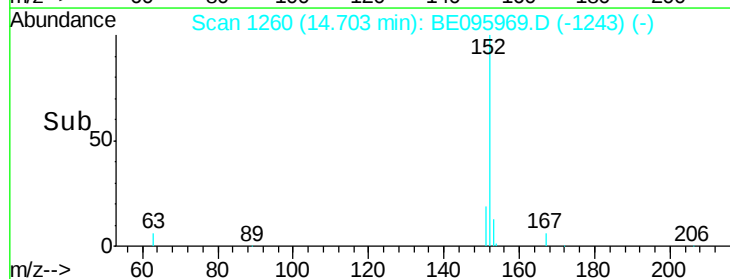
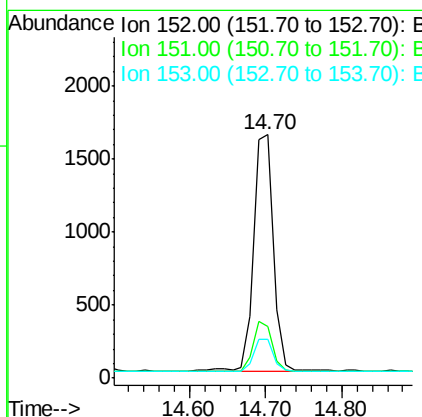
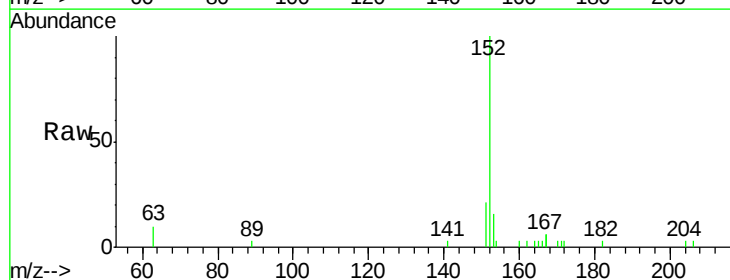
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 2284  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.9 44.9  
170 24.4 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.193 ng  
RT: 14.70 min Scan# 1260  
Delta R.T. 0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

Tgt Ion:152 Resp: 2883  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.7 23.5  
153 14.0 10.5 15.7





#17

Acenaphthene

Concen: 0.186 ng

RT: 15.04 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

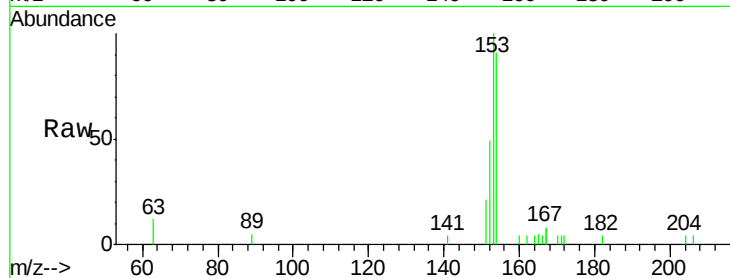
Tot Ion:154 Resp: 1695

Ion Ratio Lower Upper

154 100

153 118.1 89.2 133.8

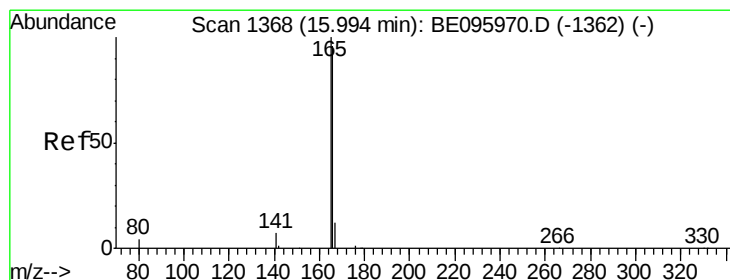
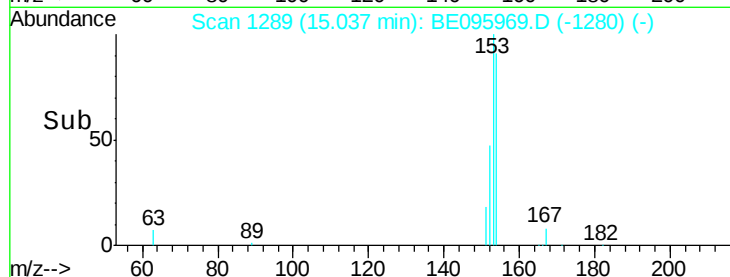
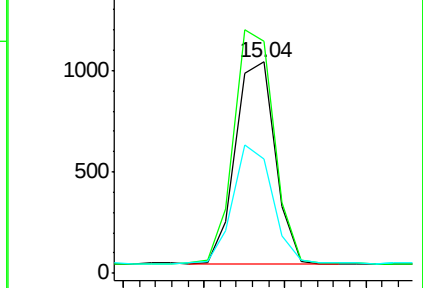
152 59.1 42.0 63.0



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: 0.178 ng

RT: 15.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

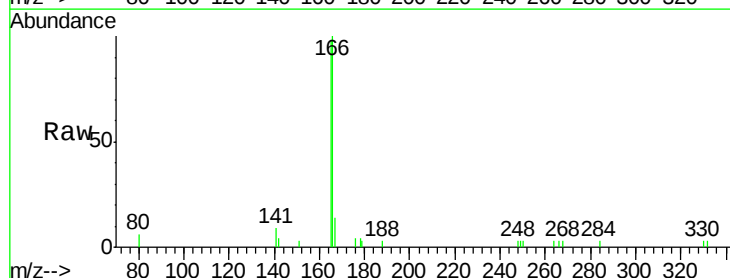
Tgt Ion:166 Resp: 2137

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

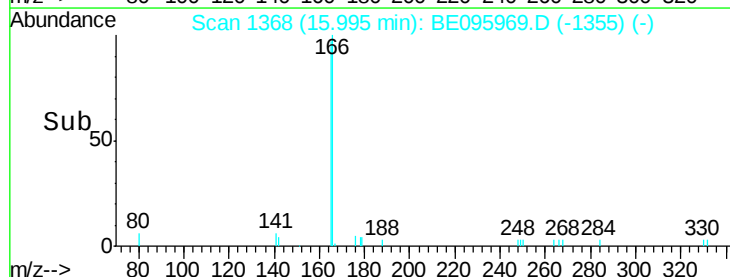
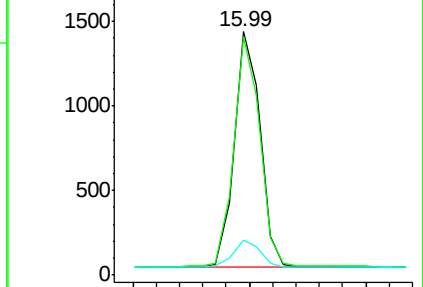
167 12.6 42.4 63.6#



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: 17.67 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

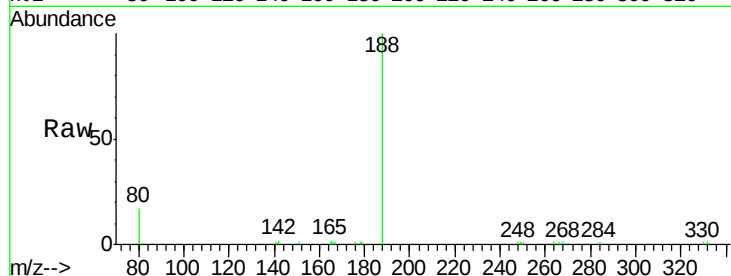
Tot Ion:188 Resp: 6281

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

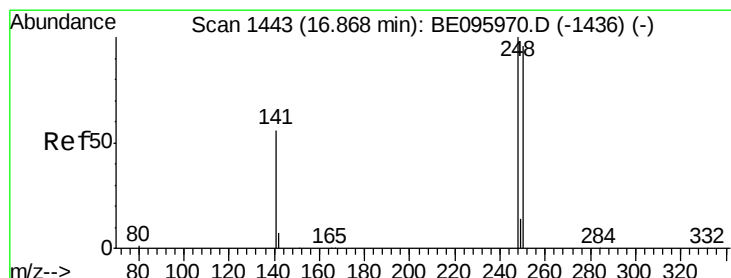
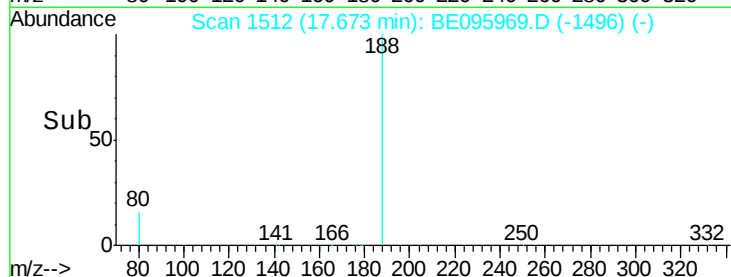
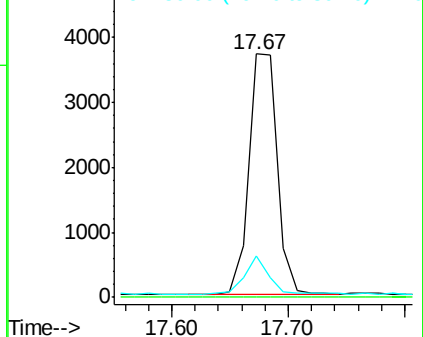
80 17.0 3.6 5.4#



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: 0.205 ng

RT: 16.87 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

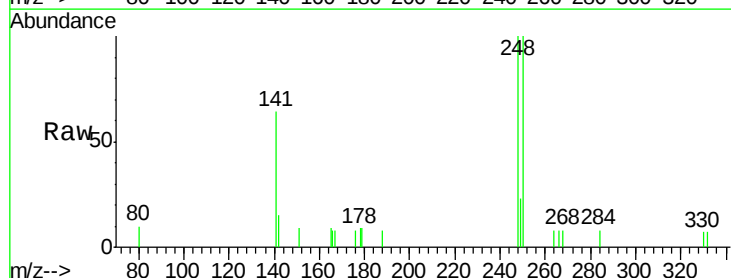
Tgt Ion:248 Resp: 773

Ion Ratio Lower Upper

248 100

250 99.8 62.7 94.1#

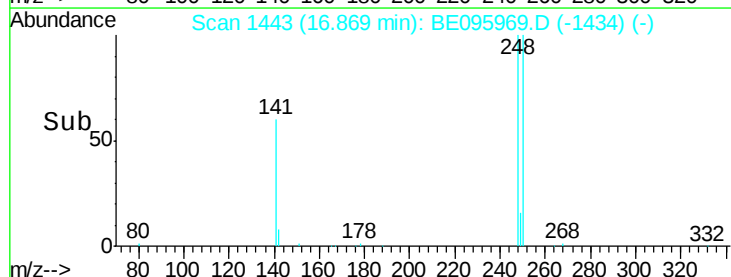
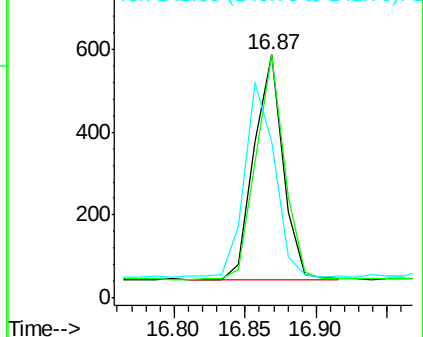
141 64.1 48.2 72.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.203 ng

RT: 17.00 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BE095969.D

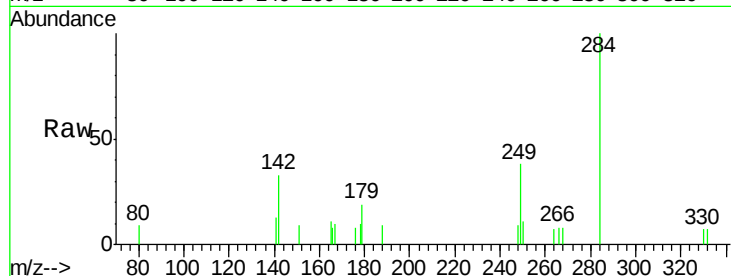
Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

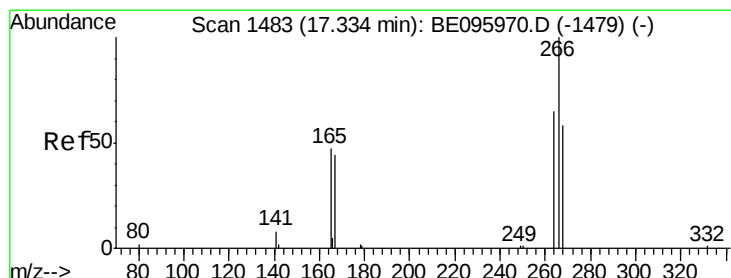
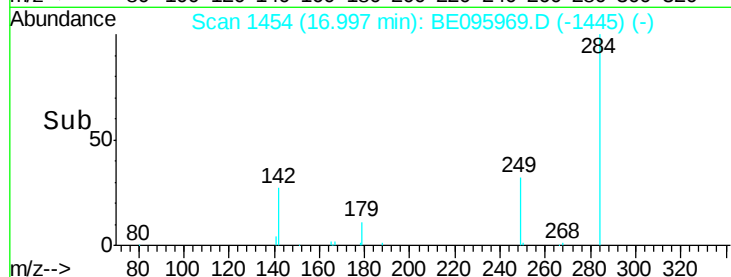
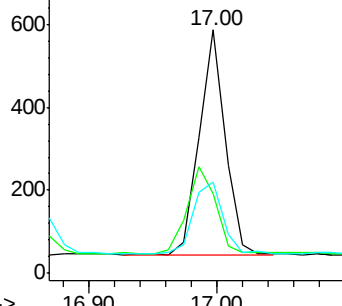
|             |       |            |
|-------------|-------|------------|
| Tot Ion:284 | Resp: | 767        |
| Ion Ratio   | Lower | Upper      |
| 284         | 100   |            |
| 142         | 43.2  | 22.1 33.1# |
| 249         | 37.4  | 34.8 52.2  |



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: 0.183 ng

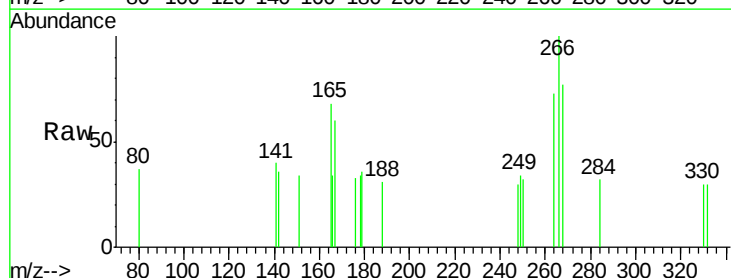
RT: 17.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

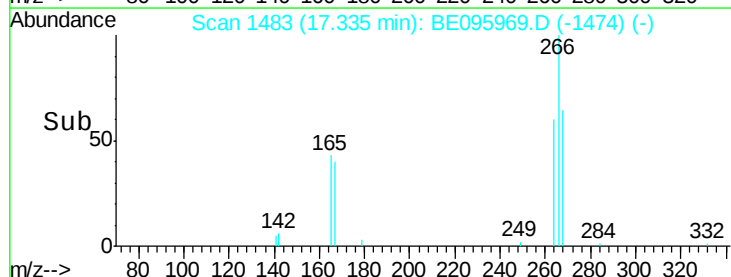
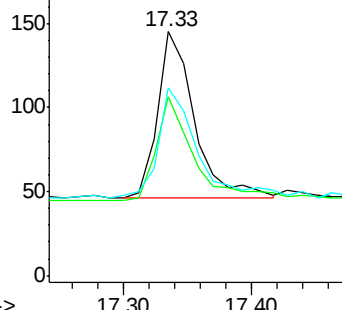
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:266 | Resp: | 199        |
| Ion Ratio   | Lower | Upper      |
| 266         | 100   |            |
| 264         | 73.1  | 72.5 108.7 |
| 268         | 77.2  | 73.8 110.6 |

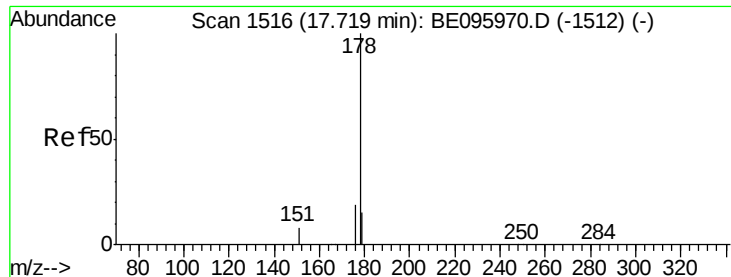


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.195 ng

RT: 17.72 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

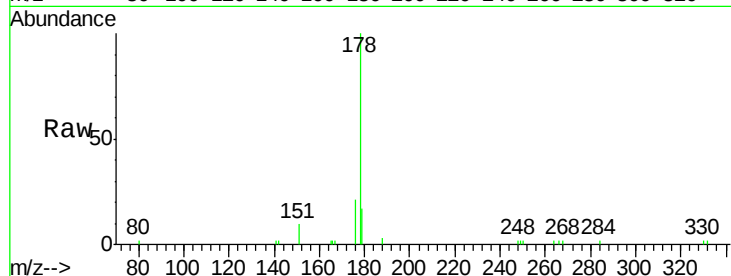
Tot Ion:178 Resp: 3658

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

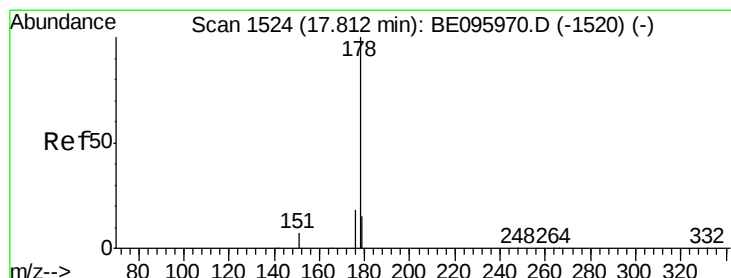
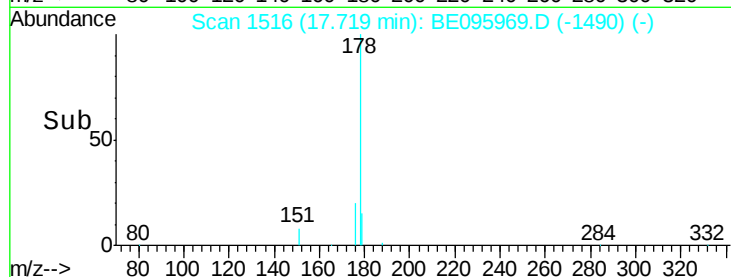
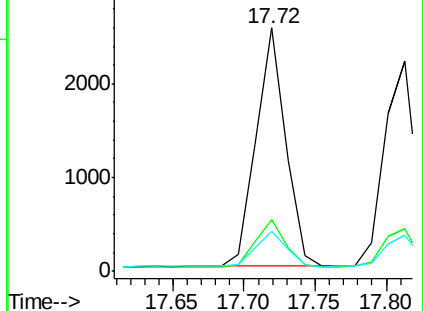
179 15.2 11.8 17.6



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: 0.179 ng

RT: 17.81 min Scan# 1524

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

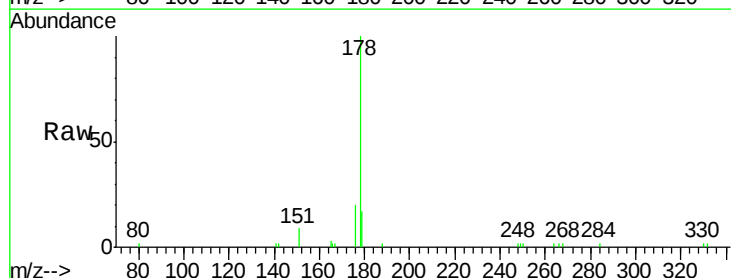
Tgt Ion:178 Resp: 3373

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

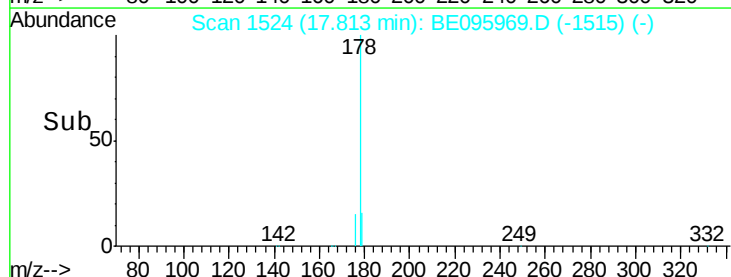
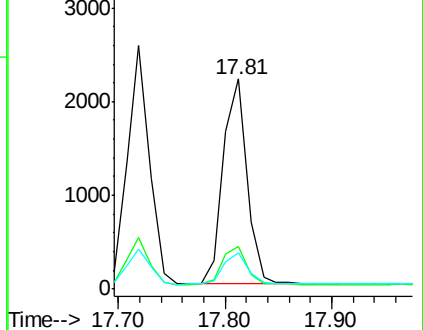
179 16.3 13.0 19.6

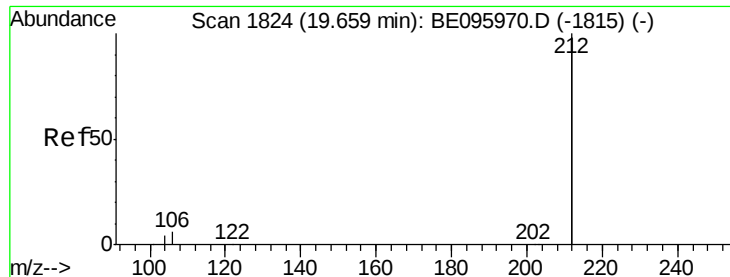


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

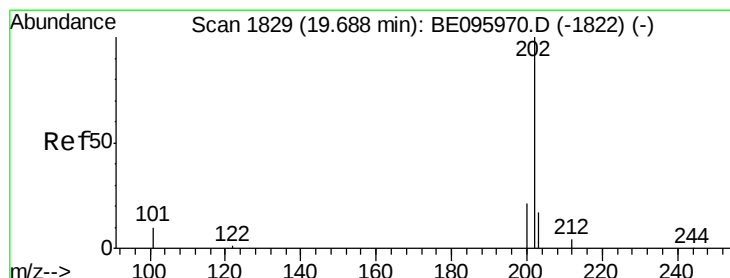
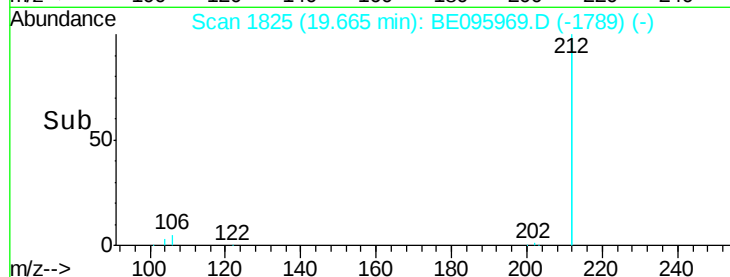
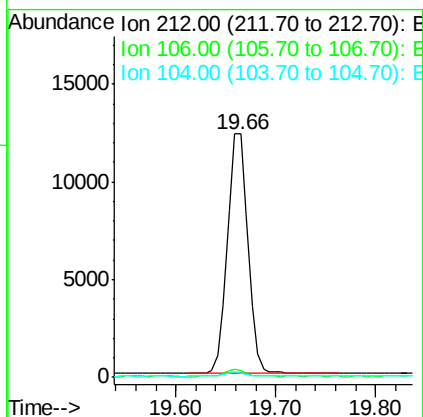
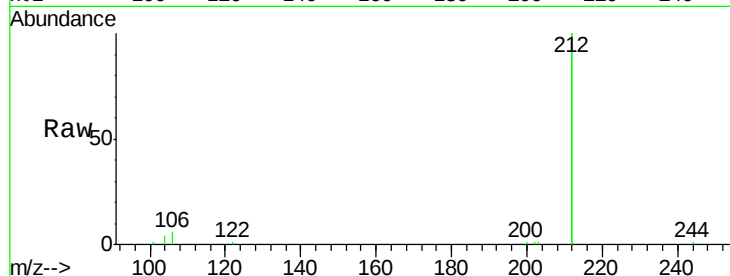




#25  
 Fluoranthene-d10  
 Concen: 0.188 ng  
 RT: 19.66 min Scan# 1825  
 Delta R.T. 0.01 min  
 Lab File: BE095969.D  
 Acq: 11 Apr 2018 14:10

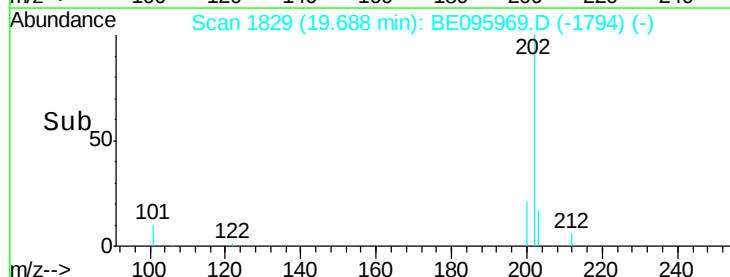
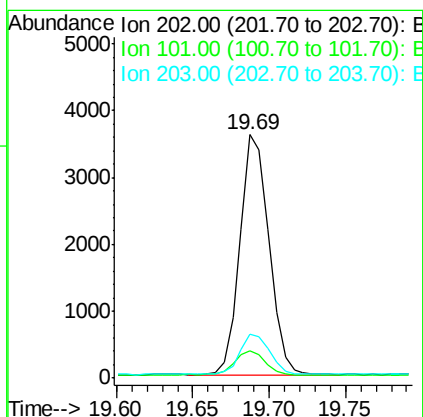
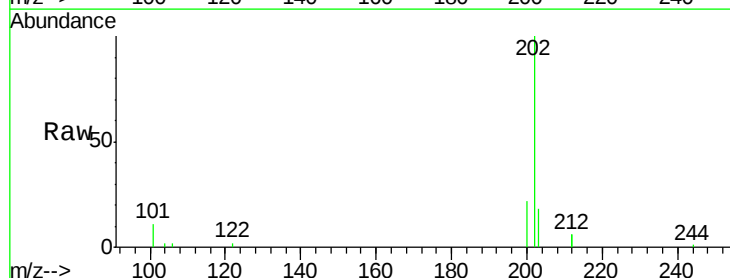
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:212 Resp: 17534  
 Ion Ratio Lower Upper  
 212 100  
 106 2.9 2.8 4.2  
 104 1.7 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.181 ng  
 RT: 19.69 min Scan# 1829  
 Delta R.T. -0.00 min  
 Lab File: BE095969.D  
 Acq: 11 Apr 2018 14:10

Tgt Ion:202 Resp: 4722  
 Ion Ratio Lower Upper  
 202 100  
 101 10.5 9.8 14.8  
 203 17.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

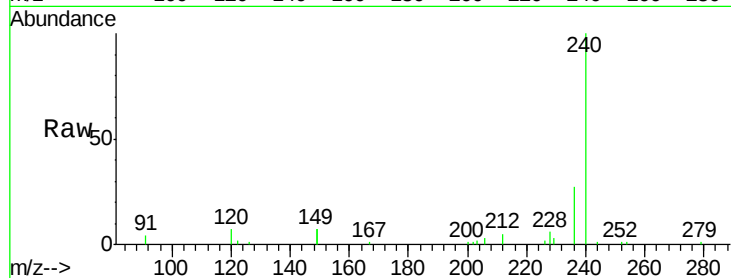
Tot Ion:240 Resp: 6940

Ion Ratio Lower Upper

240 100

120 7.0 5.5 8.3

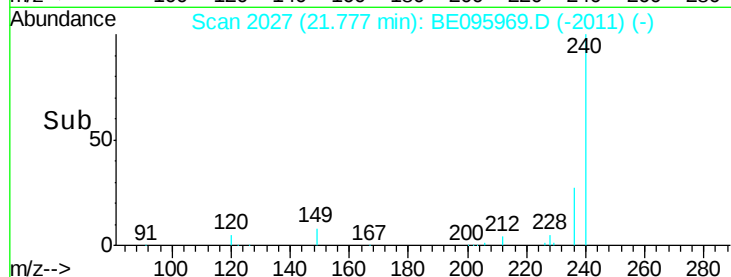
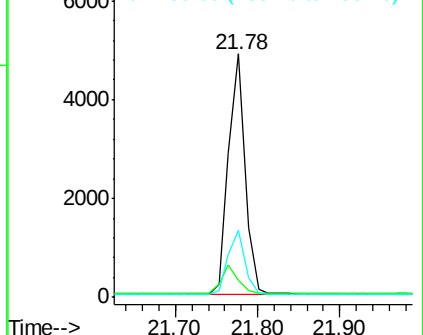
236 27.4 20.7 31.1



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: 0.114 ng

RT: 20.05 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

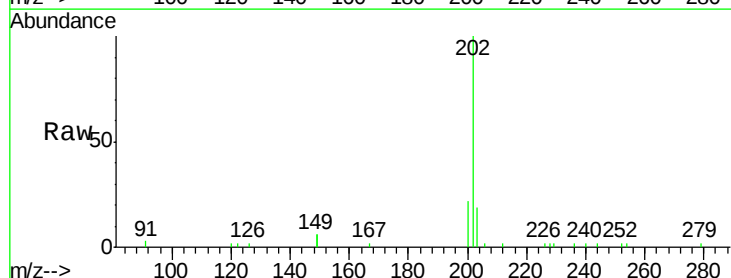
Tgt Ion:202 Resp: 3226

Ion Ratio Lower Upper

202 100

200 17.0 16.6 25.0

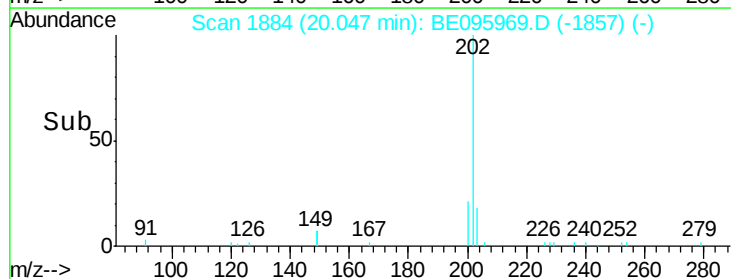
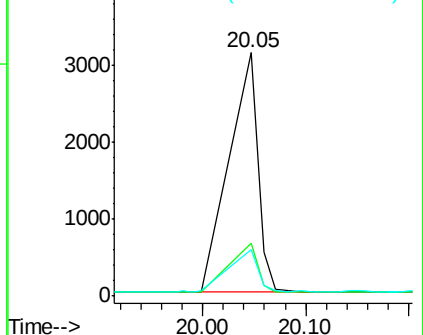
203 20.0 13.8 20.8



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: 0.218 ng

RT: 20.23 min Scan# 1899

Delta R.T. 0.01 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

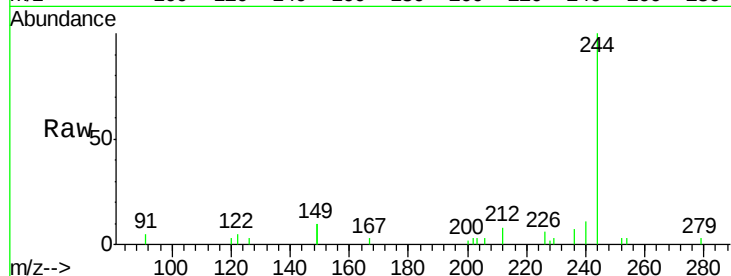
Tot Ion:244 Resp: 3219

Ion Ratio Lower Upper

244 100

212 8.1 25.4 38.0#

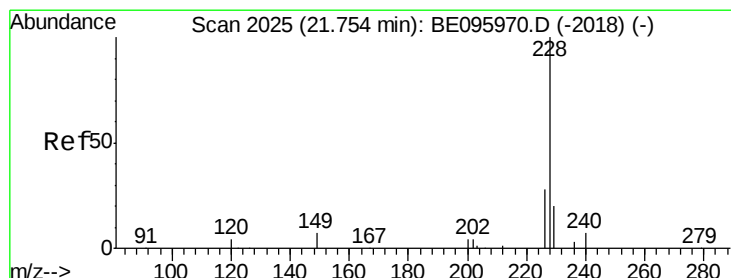
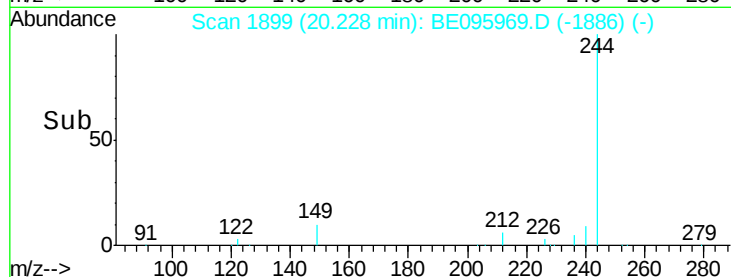
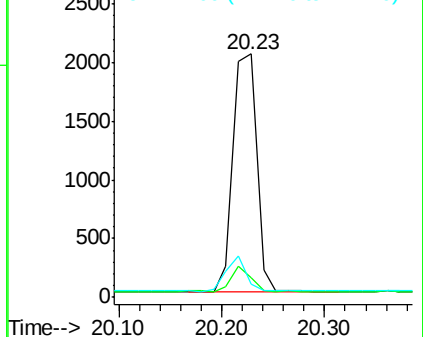
122 5.3 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.193 ng

RT: 21.75 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

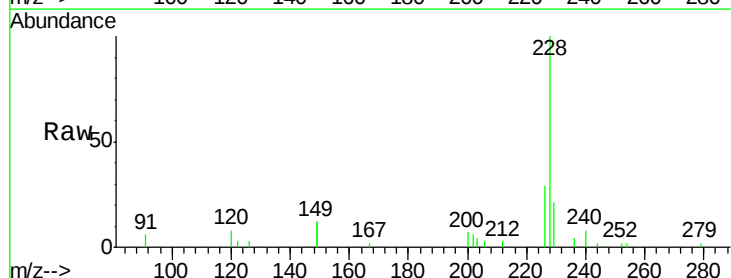
Tgt Ion:228 Resp: 4651

Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

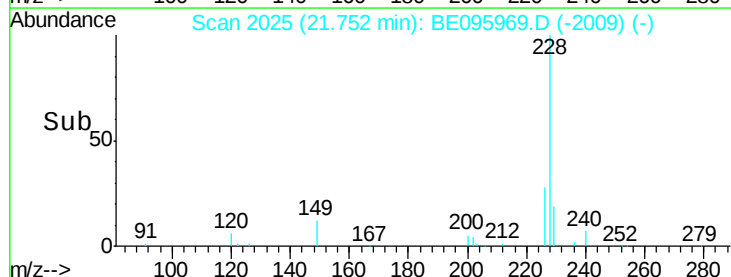
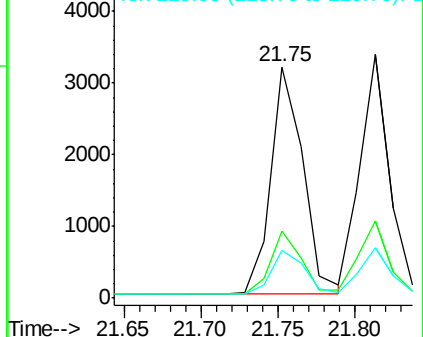
229 20.8 16.0 24.0



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: 0.201 ng

RT: 21.81 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampled :

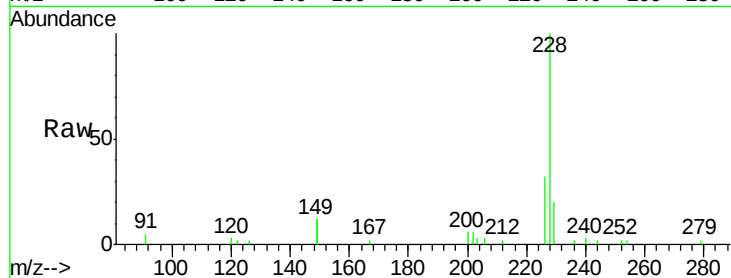
Tot Ion:228 Resp: 4405

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

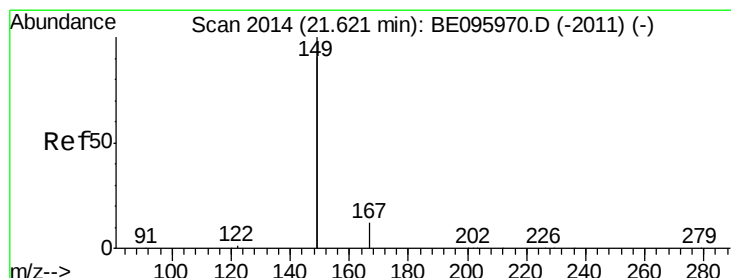
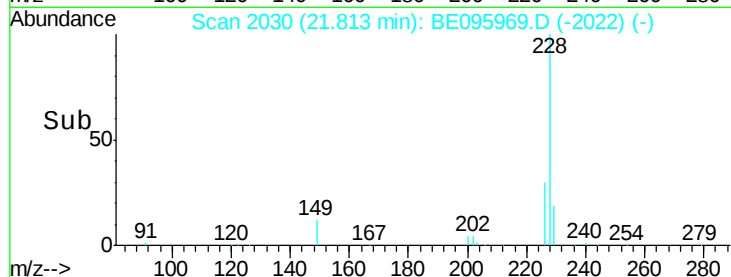
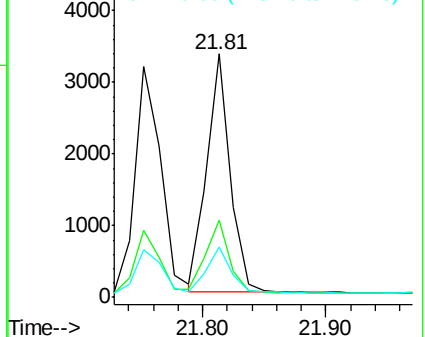
229 20.4 16.0 24.0



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: 0.159 ng

RT: 21.62 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

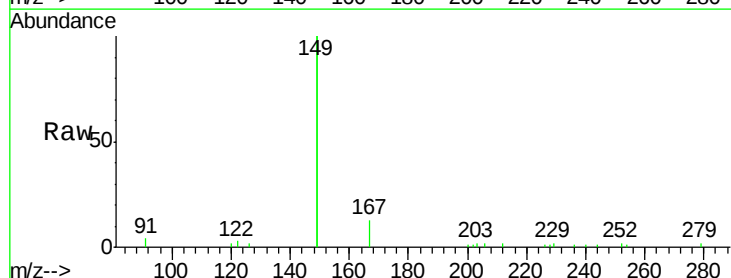
Tgt Ion:149 Resp: 11736

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

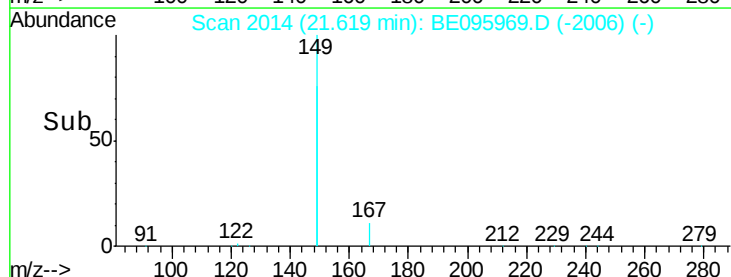
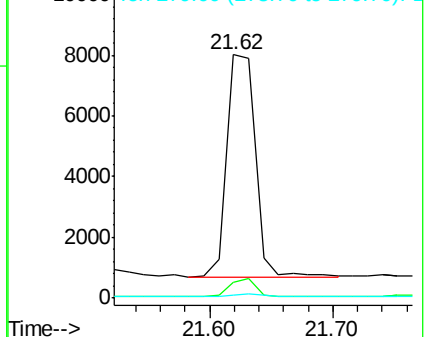
279 0.9 0.7 1.1



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: 0.178 ng

RT: 27.18 min Scan# 3488

Delta R.T. -0.01 min

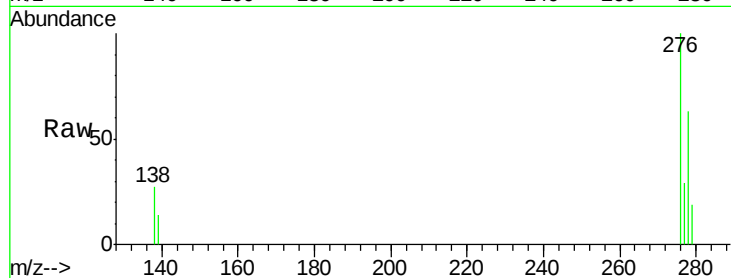
Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :



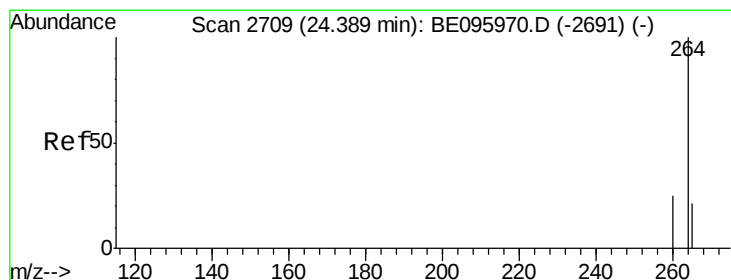
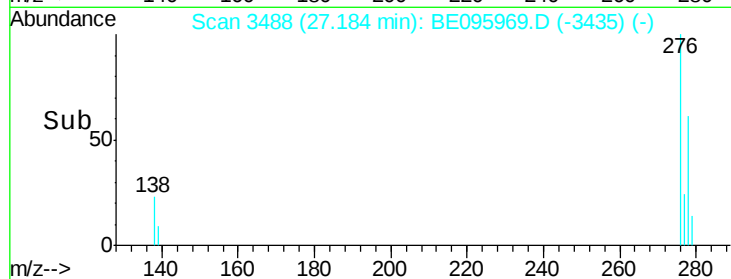
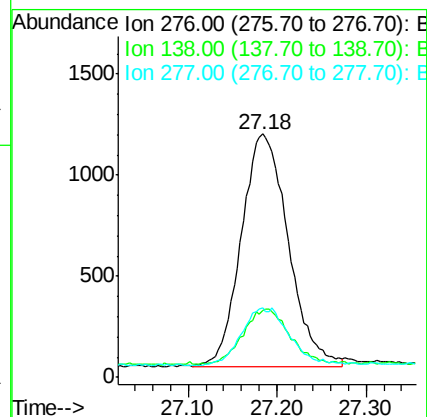
Tot Ion:276 Resp: 4202

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

277 24.4 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.39 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

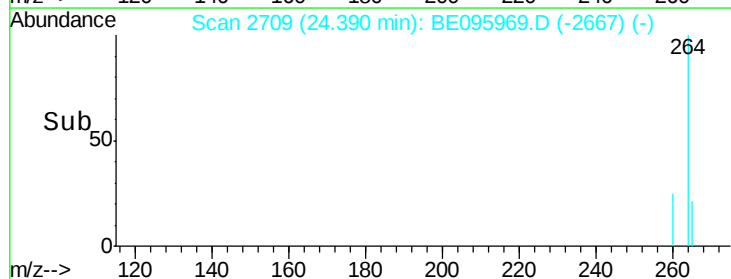
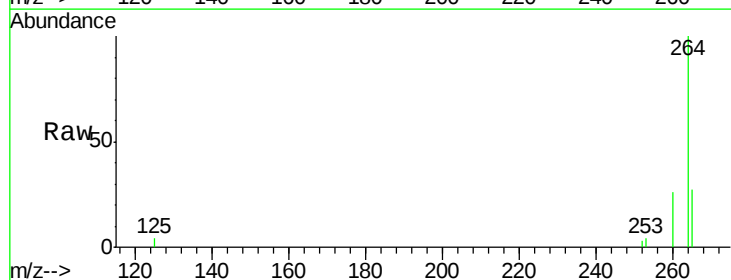
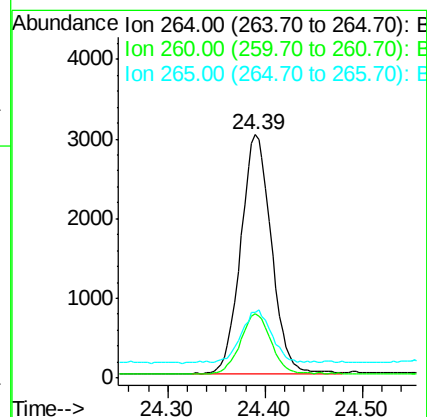
Tgt Ion:264 Resp: 6592

Ion Ratio Lower Upper

264 100

260 26.3 20.5 30.7

265 26.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.184 ng

RT: 23.58 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :

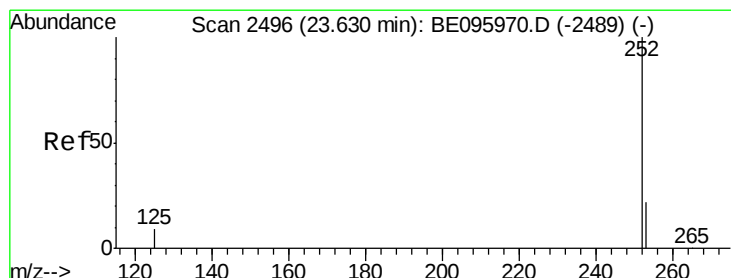
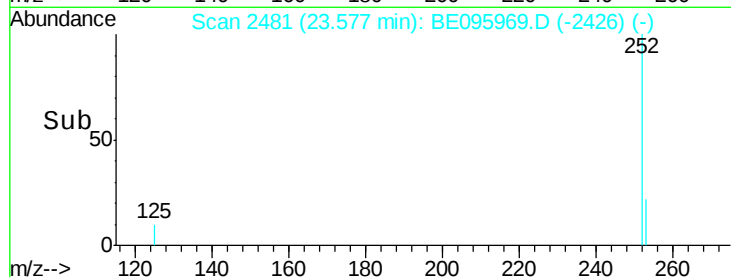
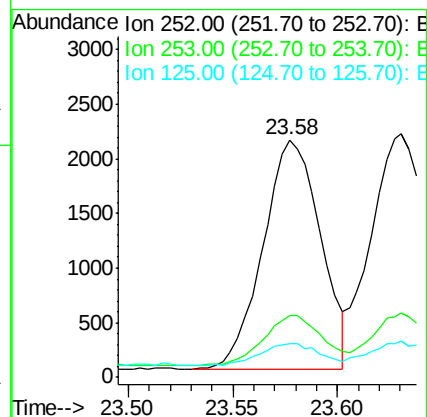
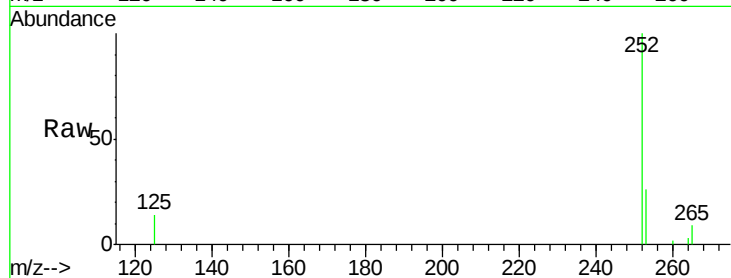
Tot Ion:252 Resp: 4003

Ion Ratio Lower Upper

252 100

253 26.2 20.0 30.0

125 14.3 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.194 ng

RT: 23.63 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

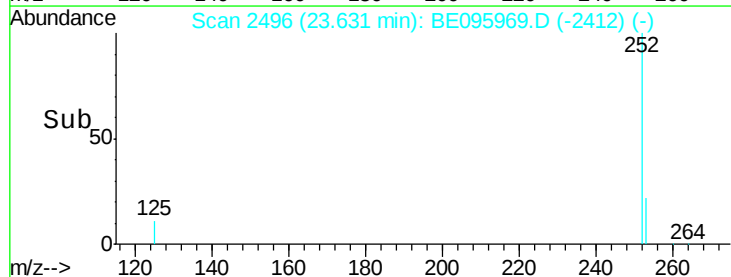
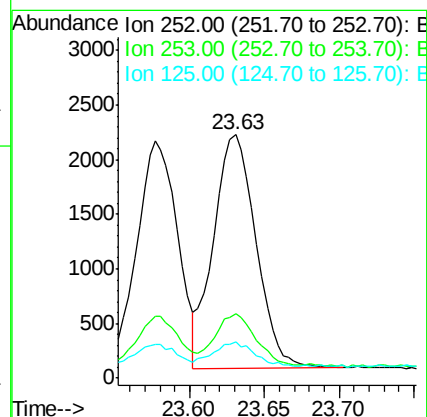
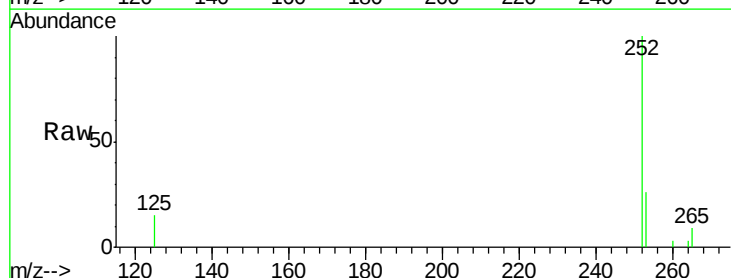
Tgt Ion:252 Resp: 4239

Ion Ratio Lower Upper

252 100

253 26.2 16.0 24.0#

125 15.0 8.0 12.0#

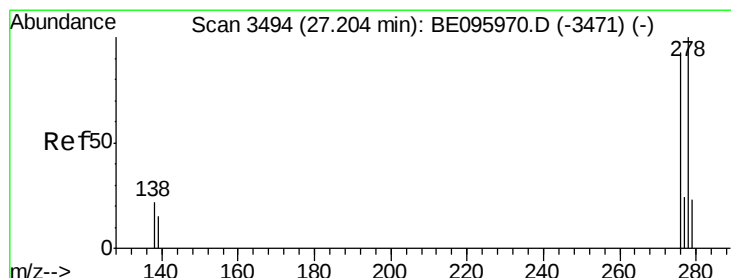
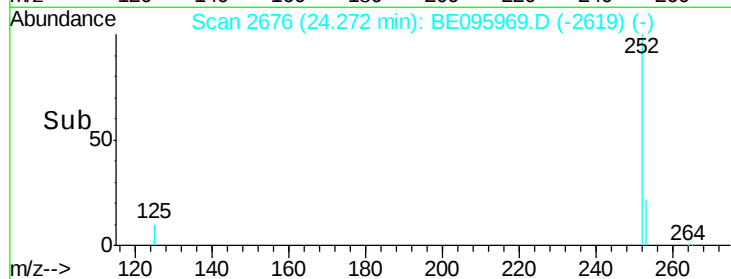
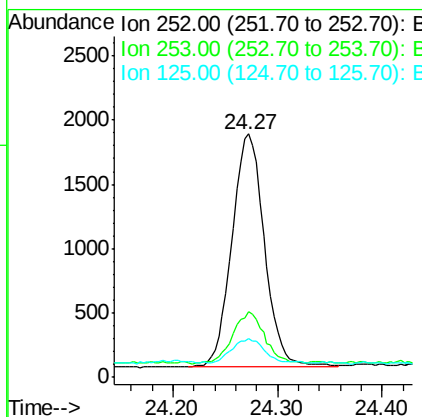
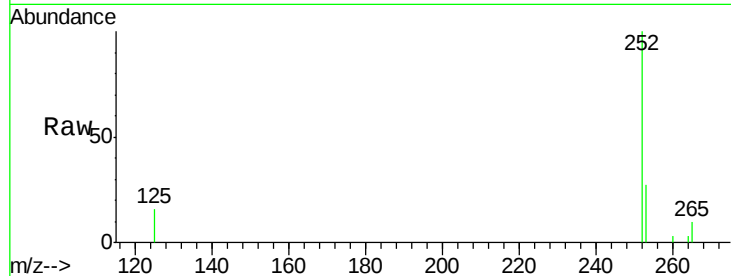




#37  
Benzo(a)pyrene  
Concen: 0.191 ng  
RT: 24.27 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

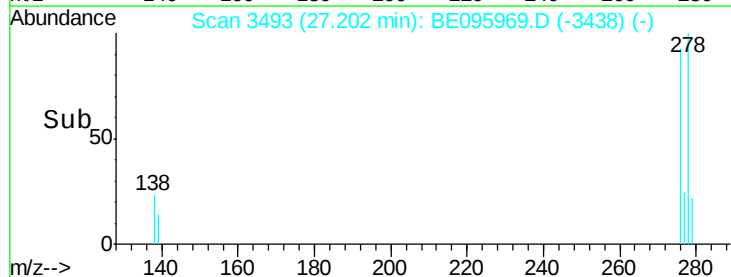
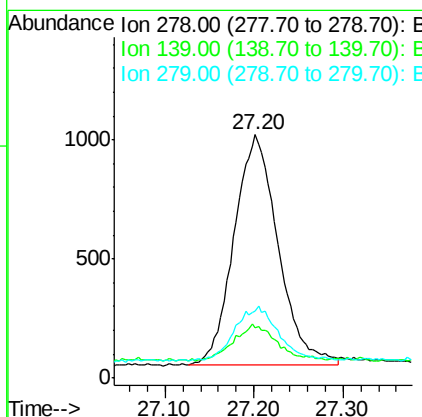
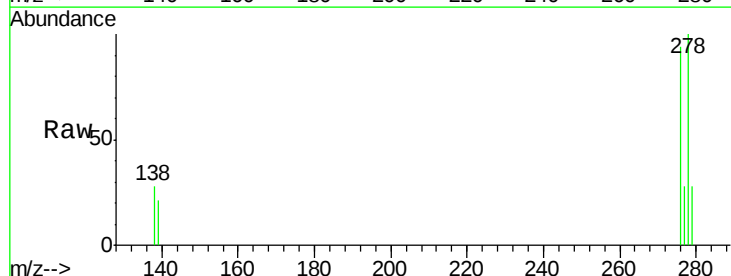
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 3907  
Ion Ratio Lower Upper  
252 100  
253 27.2 16.0 24.0#  
125 15.7 12.0 18.0



#38  
Dibenzo(a,h)anthracene  
Concen: 0.170 ng  
RT: 27.20 min Scan# 3493  
Delta R.T. -0.00 min  
Lab File: BE095969.D  
Acq: 11 Apr 2018 14:10

Tgt Ion:278 Resp: 3307  
Ion Ratio Lower Upper  
278 100  
139 20.6 16.0 24.0  
279 27.7 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.186 ng

RT: 28.06 min Scan# 3733

Delta R.T. 0.00 min

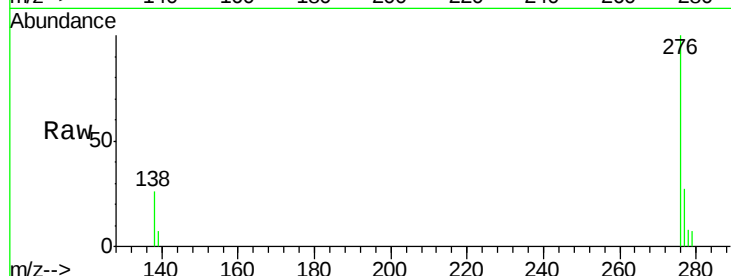
Lab File: BE095969.D

Acq: 11 Apr 2018 14:10

Instrument :

BNA\_E

ClientSampleId :



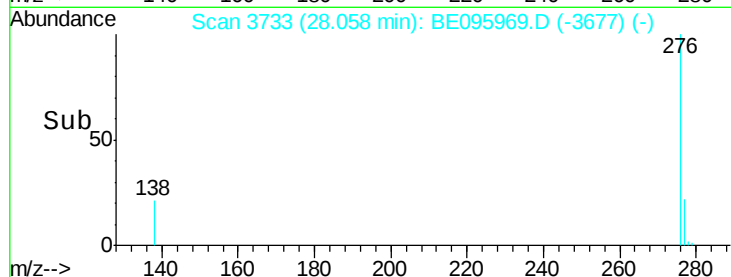
Tot Ion: 276 Resp: 3631

Ion Ratio Lower Upper

276 100

277 26.7 16.0 24.0#

138 25.9 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

