

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082318\  
 Data File : BE097357.D  
 Acq On : 23 Aug 2018 14:25  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 23 15:40:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 18:07:26 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 826      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.13 | 136  | 3668     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.00 | 164  | 1942     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.77 | 188  | 5423     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.97 | 240  | 6751     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 6560     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.04  | 112  | 870      | 0.36 | ng    | -0.01    |
| 5) Phenol-d6                | 6.58  | 99   | 1158     | 0.35 | ng    | -0.01    |
| 8) Nitrobenzene-d5          | 8.52  | 82   | 1066     | 0.41 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152  | 2093     | 0.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.52 | 330  | 238      | 0.36 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.62 | 172  | 3095     | 0.43 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.80 | 212  | 24584    | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.42 | 244  | 5010     | 0.40 | ng    | 0.00     |

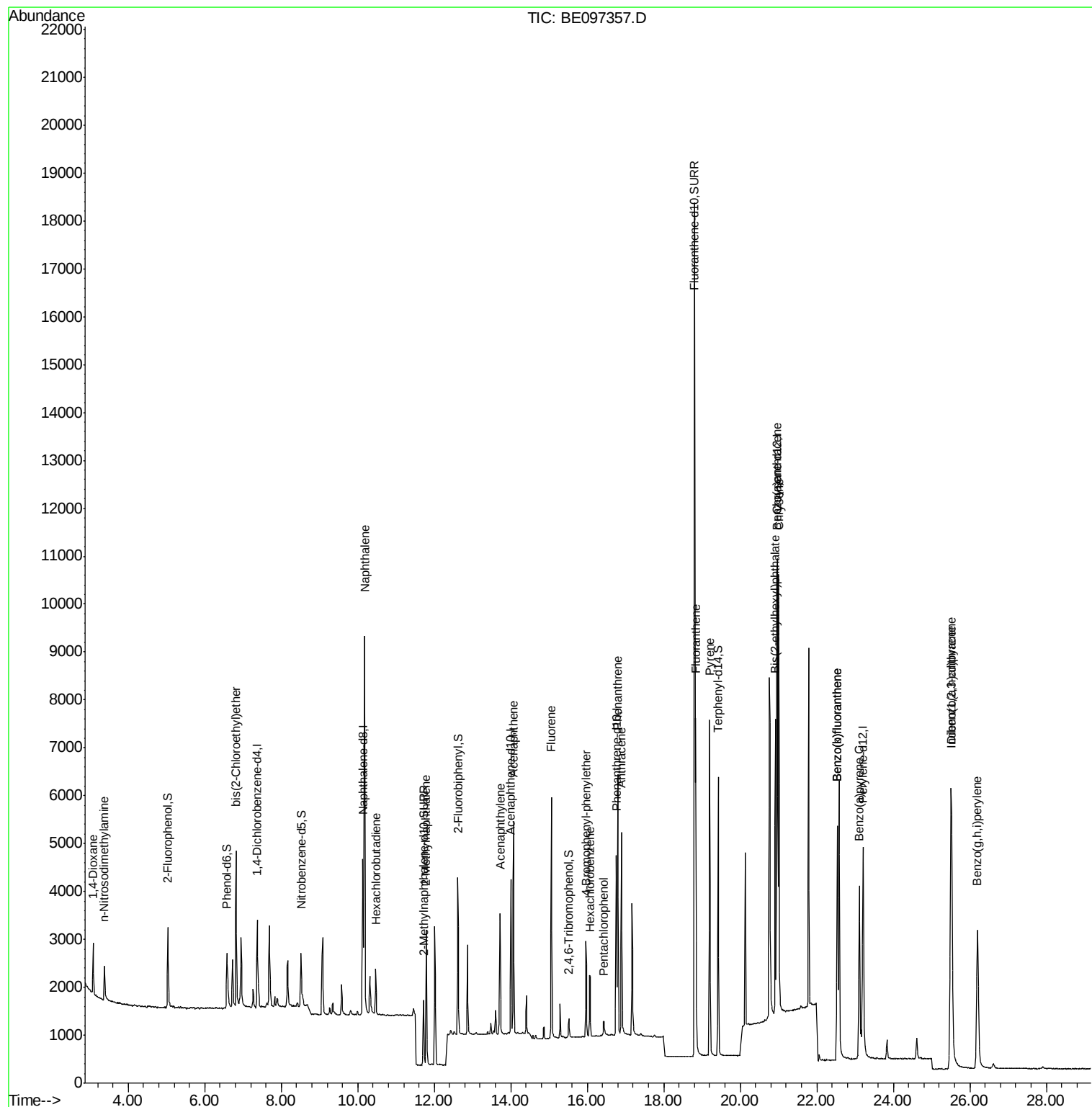
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.08  | 88   | 646      | 0.440 | ng    | # 83   |
| 3) n-Nitrosodimethylamine      | 3.37  | 42   | 534      | 0.389 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 6.82  | 93   | 1146     | 0.381 | ng    | 96     |
| 9) Naphthalene                 | 10.19 | 128  | 13920    | 0.417 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.47 | 225  | 631      | 0.423 | ng    | 97     |
| 12) 2-Methylnaphthalene        | 11.80 | 142  | 2171     | 0.412 | ng    | 98     |
| 16) Acenaphthylene             | 13.73 | 152  | 3141     | 0.407 | ng    | 100    |
| 17) Acenaphthene               | 14.07 | 154  | 2188     | 0.425 | ng    | 96     |
| 18) Fluorene                   | 15.06 | 166  | 2745     | 0.421 | ng    | # 80   |
| 20) 4-Bromophenyl-phenylether  | 15.96 | 248  | 1046     | 0.424 | ng    | # 78   |
| 21) Hexachlorobenzene          | 16.08 | 284  | 1157     | 0.424 | ng    | # 81   |
| 22) Pentachlorophenol          | 16.44 | 266  | 223      | 0.413 | ng    | 86     |
| 23) Phenanthrene               | 16.80 | 178  | 5462     | 0.423 | ng    | 99     |
| 24) Anthracene                 | 16.89 | 178  | 4508     | 0.410 | ng    | 96     |
| 26) Fluoranthene               | 18.84 | 202  | 6461     | 0.399 | ng    | 99     |
| 28) Pyrene                     | 19.20 | 202  | 6552     | 0.408 | ng    | 100    |
| 30) Benzo(a)anthracene         | 20.96 | 228  | 6630     | 0.388 | ng    | 97     |
| 31) Chrysene                   | 21.00 | 228  | 7684     | 0.418 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 7395     | 0.389 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 8278     | 0.350 | ng    | # 94   |
| 35) Benzo(b)fluoranthene       | 22.53 | 252  | 6563     | 0.375 | ng    | # 89   |
| 36) Benzo(k)fluoranthene       | 22.53 | 252  | 6563     | 0.340 | ng    | 95     |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 6109     | 0.361 | ng    | 93     |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278  | 7292     | 0.362 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 26.20 | 276  | 7082     | 0.338 | ng    | # 89   |

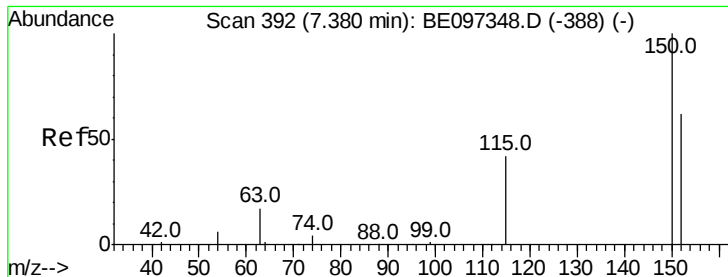
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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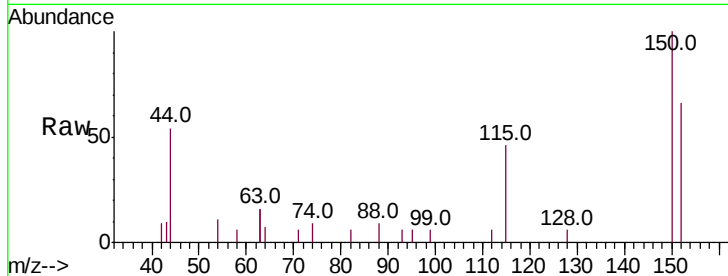


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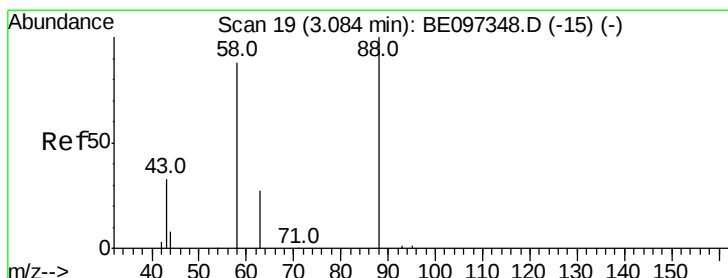
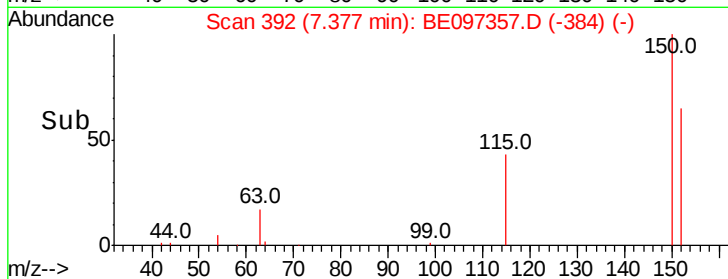
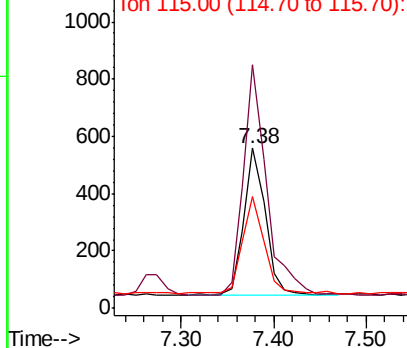
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.38 min Scan# 392  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 826  
Ion Ratio Lower Upper  
152 100  
150 152.1 117.2 175.8  
115 69.6 57.0 85.6



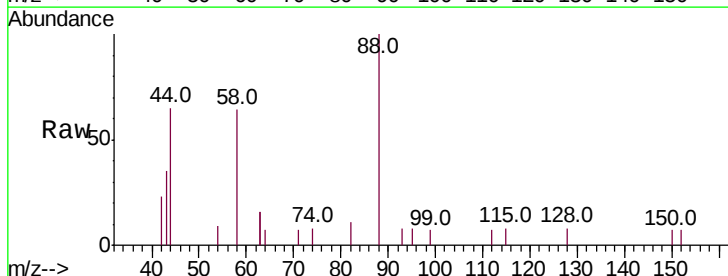
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



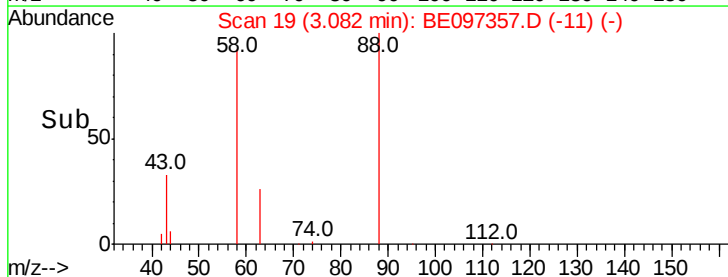
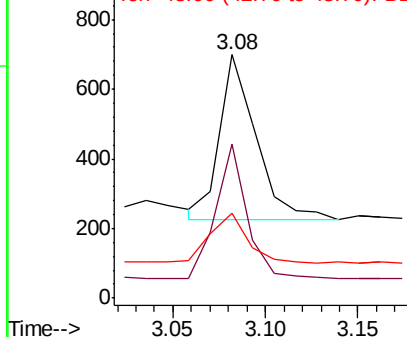
#2

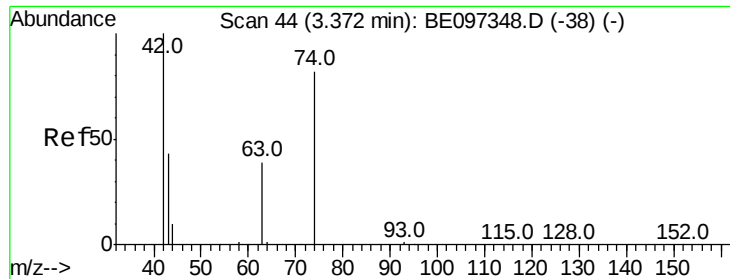
1,4-Dioxane  
Concen: 0.440 ng  
RT: 3.08 min Scan# 19  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Tgt Ion: 88 Resp: 646  
Ion Ratio Lower Upper  
88 100  
58 71.5 63.2 94.8  
43 30.8 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



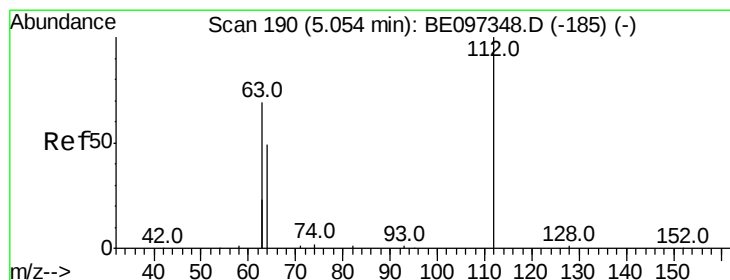
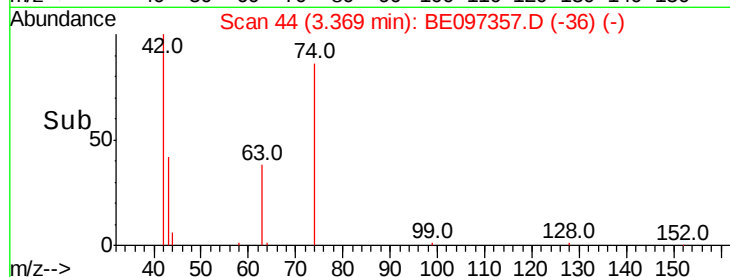
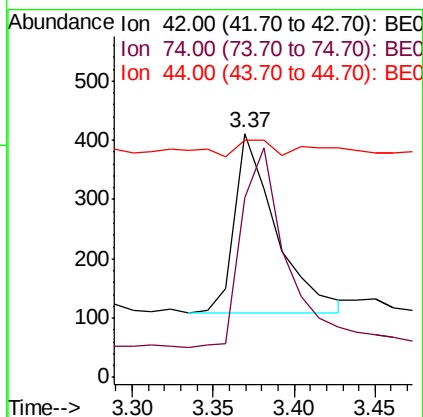
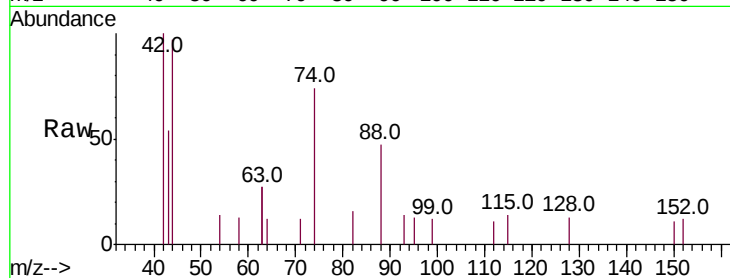


#3

n-Nitrosodimethylamine  
Concen: 0.389 ng  
RT: 3.37 min Scan# 44  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Instrument :  
BNA\_E  
ClientSampled :

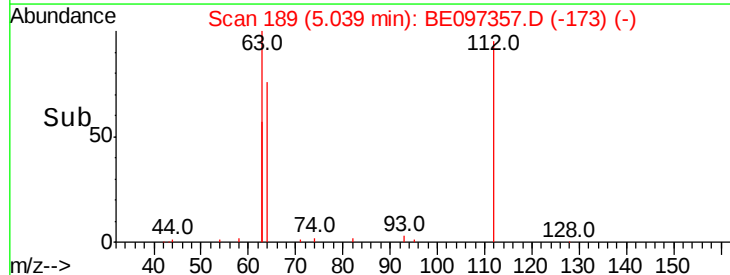
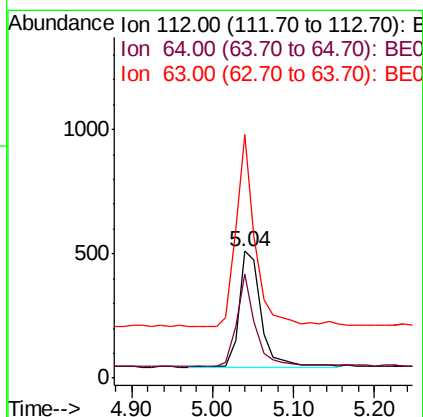
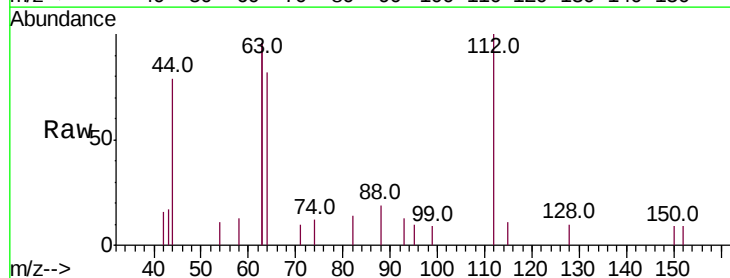
Tot Ion: 42 Resp: 534  
Ion Ratio Lower Upper  
42 100  
74 120.8 96.0 144.0  
44 7.7 12.0 18.0#

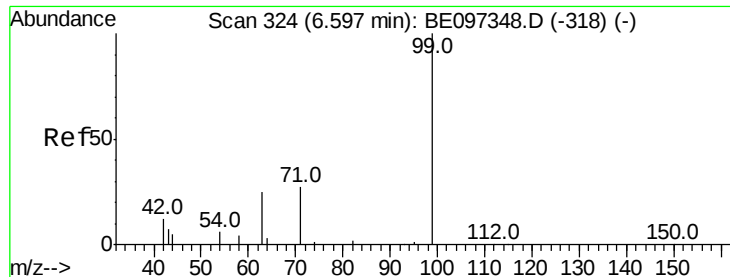


#4

2-Fluorophenol  
Concen: 0.356 ng  
RT: 5.04 min Scan# 189  
Delta R.T. -0.01 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Tgt Ion: 112 Resp: 870  
Ion Ratio Lower Upper  
112 100  
64 69.3 60.1 90.1  
63 143.8 116.8 175.2





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

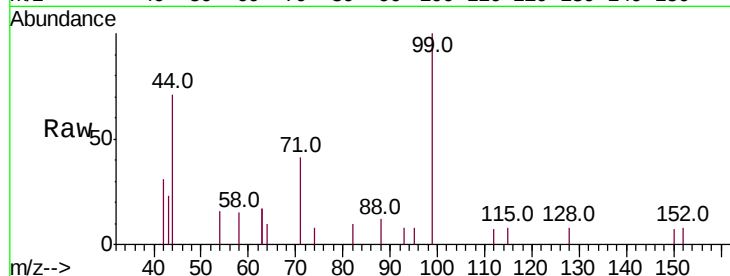
Tot Ion: 99 Resp: 1158

Ion Ratio Lower Upper

99 100

42 23.1 20.2 30.2

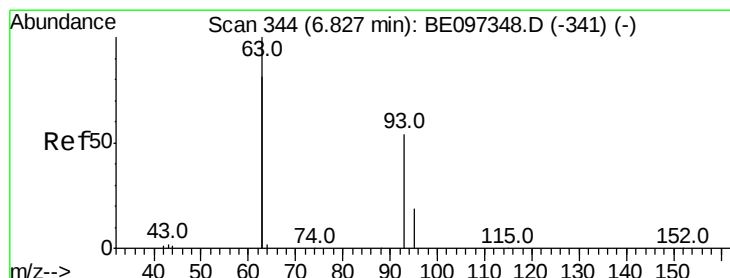
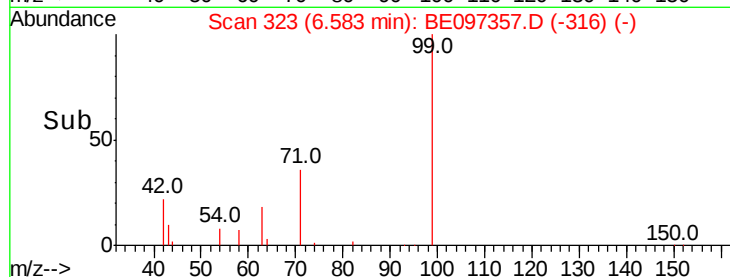
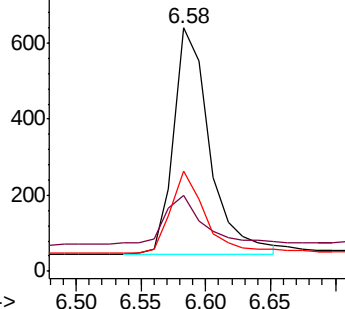
71 34.3 28.4 42.6



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: 0.381 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

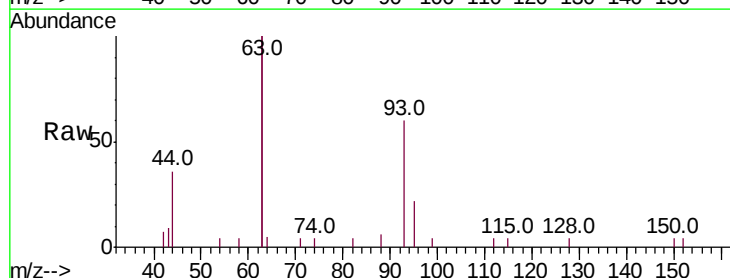
Tgt Ion: 93 Resp: 1146

Ion Ratio Lower Upper

93 100

63 335.6 275.3 412.9

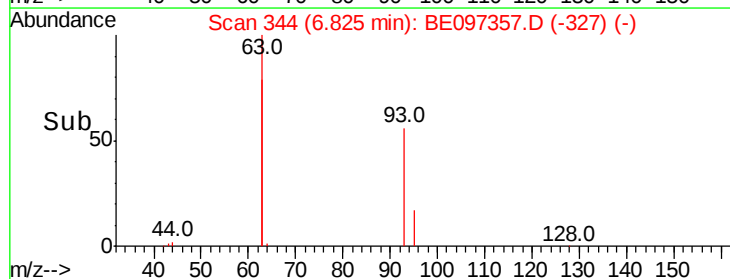
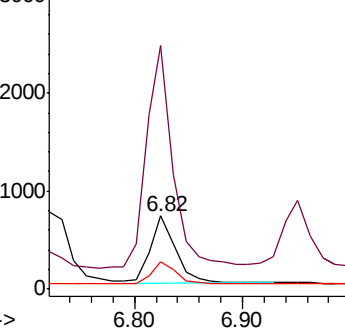
95 32.1 25.2 37.8

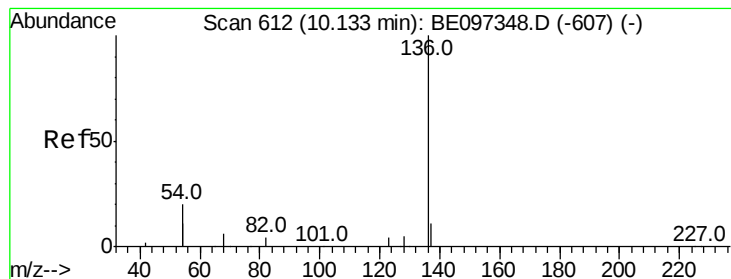


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 3668

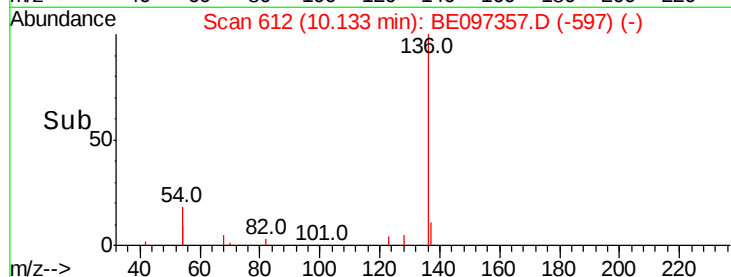
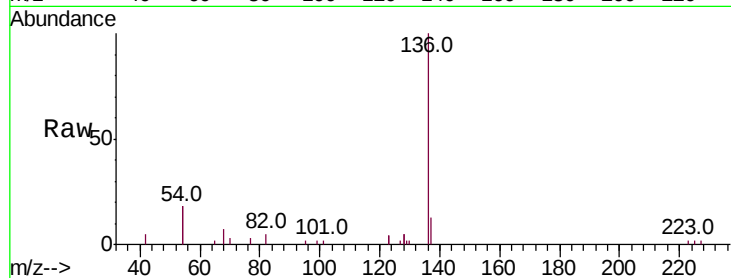
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 35.5 29.1 43.7

68 7.5 6.2 9.2

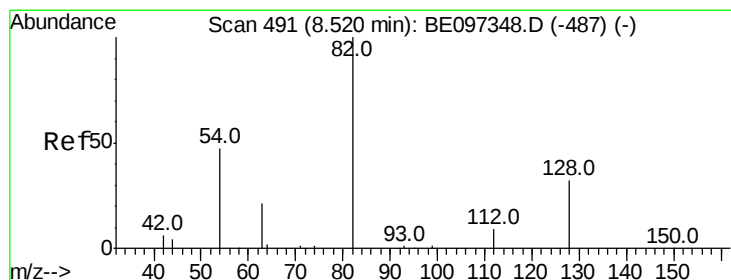
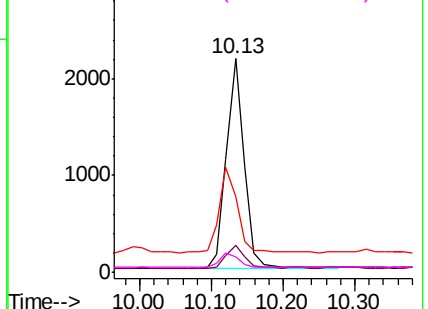


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.405 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

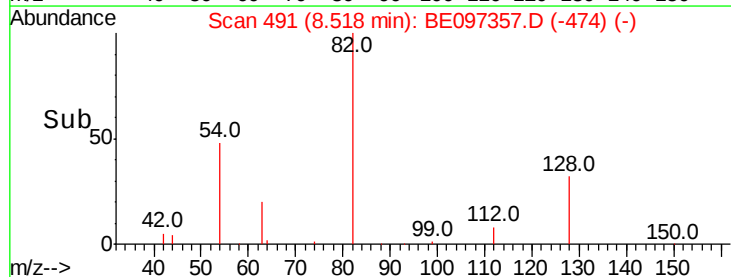
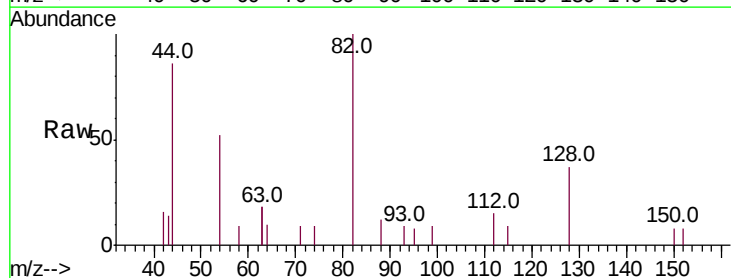
Tgt Ion: 82 Resp: 1066

Ion Ratio Lower Upper

82 100

128 37.2 24.0 36.0#

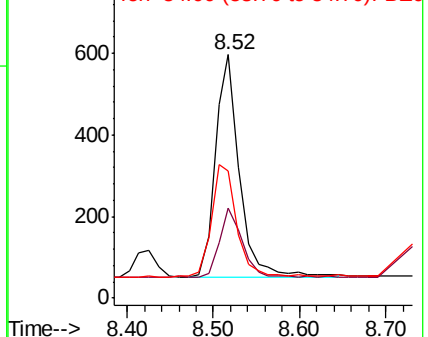
54 52.3 40.0 60.0

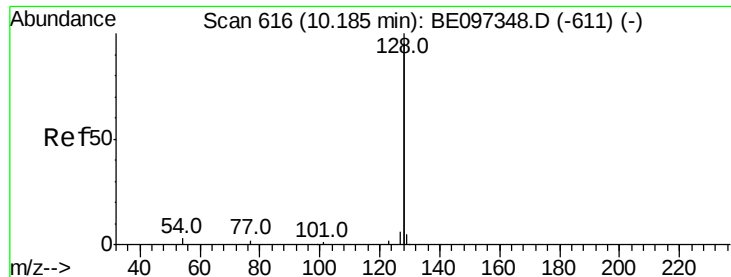


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.19 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

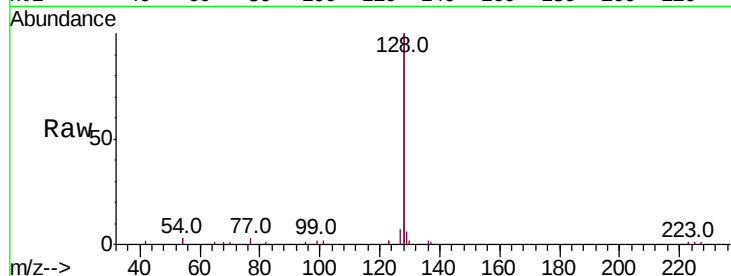
Tot Ion:128 Resp: 13920

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

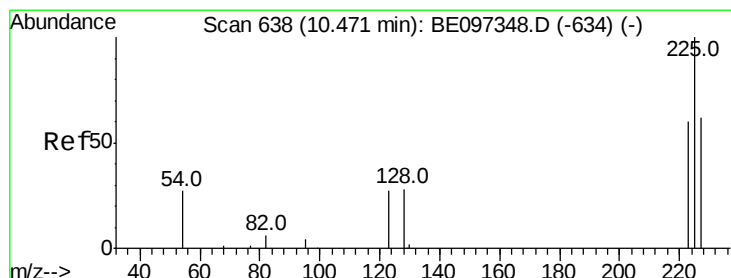
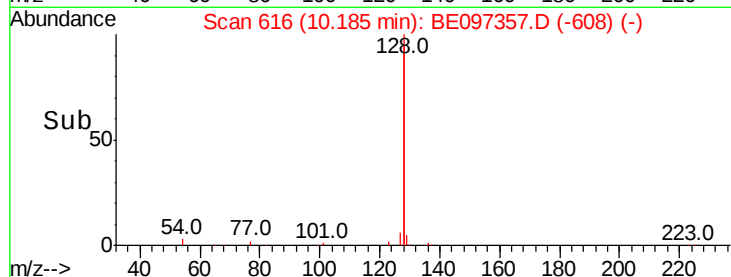
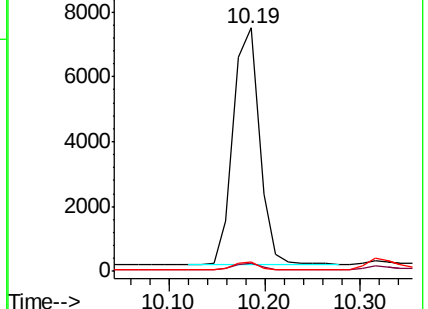
127 3.7 2.8 4.2



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: 0.423 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

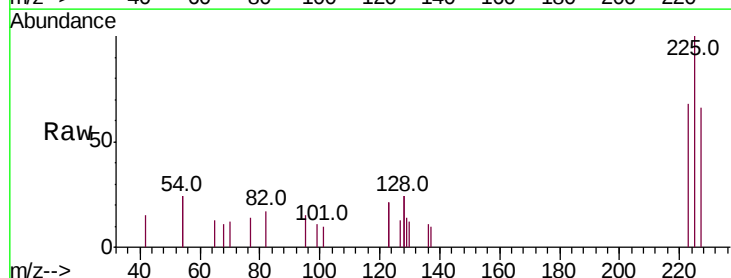
Tgt Ion:225 Resp: 631

Ion Ratio Lower Upper

225 100

223 62.3 53.0 79.6

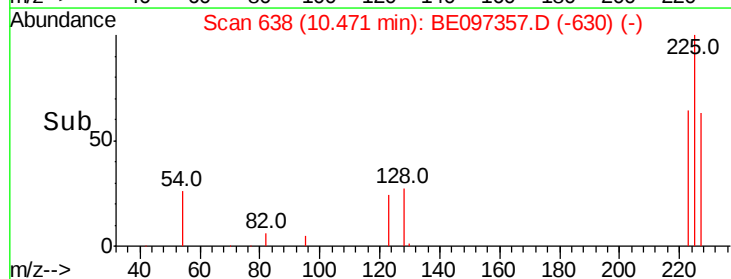
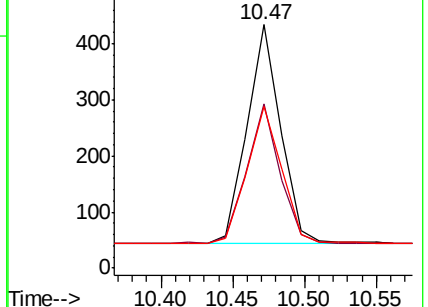
227 64.8 51.4 77.2

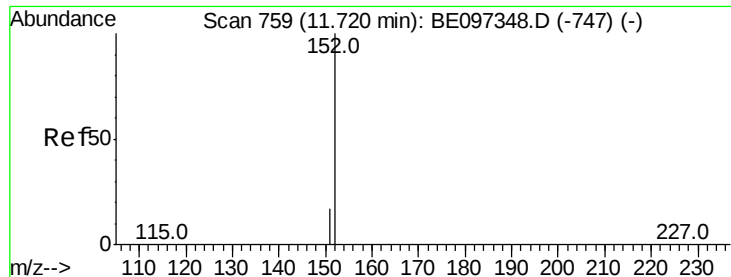


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

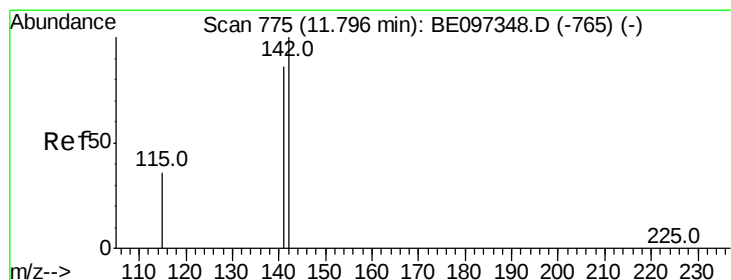
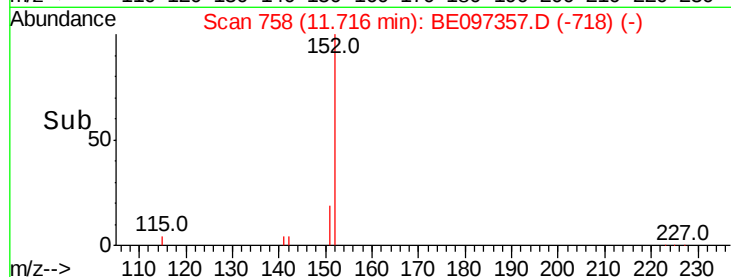
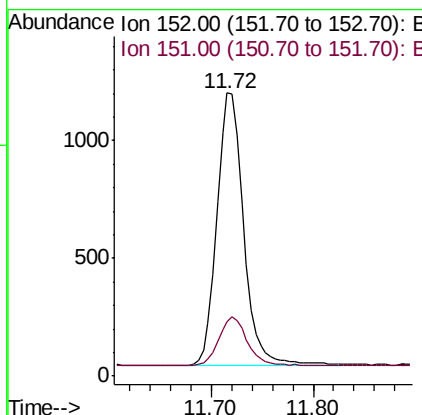
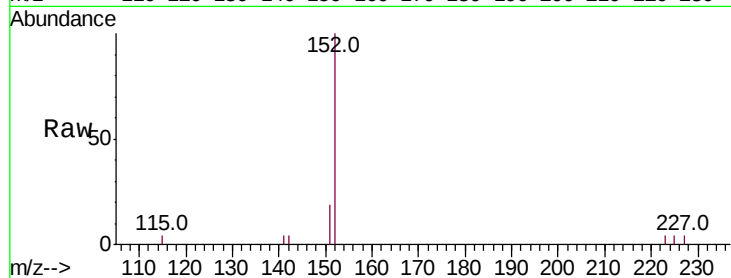




#11  
2-Methylnaphthalene-d10  
Concen: 0.409 ng  
RT: 11.72 min Scan# 758  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

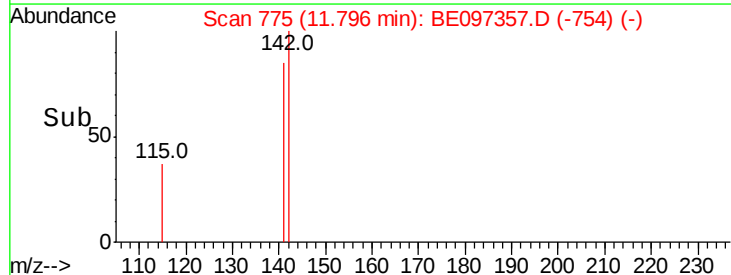
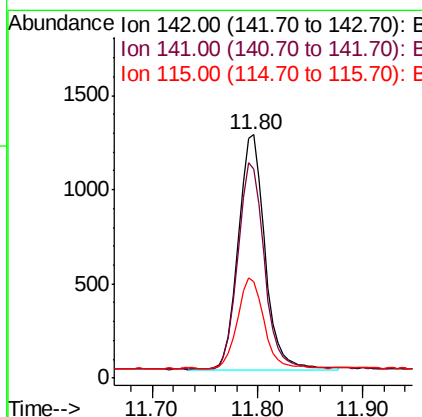
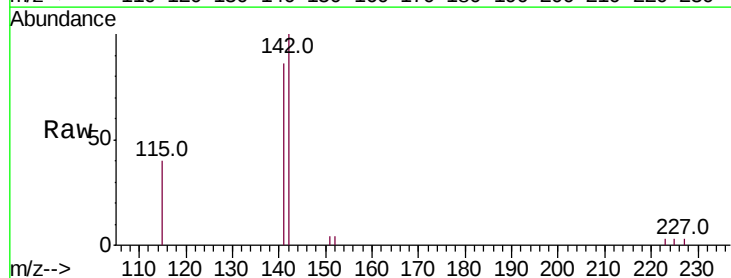
Instrument :  
BNA\_E  
ClientSampleId :

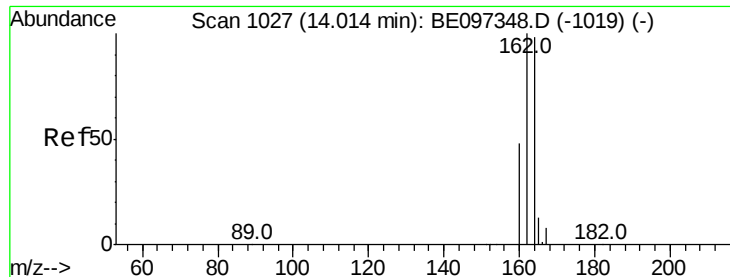
Tot Ion:152 Resp: 2093  
Ion Ratio Lower Upper  
152 100  
151 18.8 15.4 23.0



#12  
2-Methylnaphthalene  
Concen: 0.412 ng  
RT: 11.80 min Scan# 775  
Delta R.T. 0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Tgt Ion:142 Resp: 2171  
Ion Ratio Lower Upper  
142 100  
141 85.8 70.4 105.6  
115 39.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

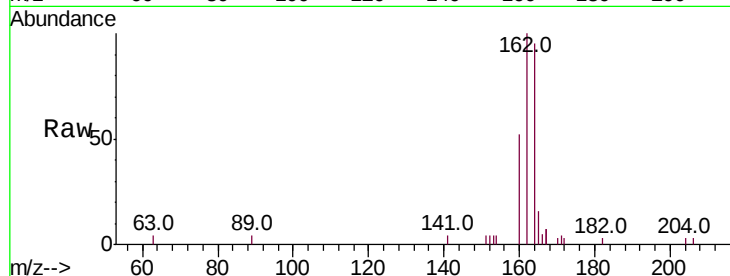
Tot Ion:164 Resp: 1942

Ion Ratio Lower Upper

164 100

162 105.4 83.1 124.7

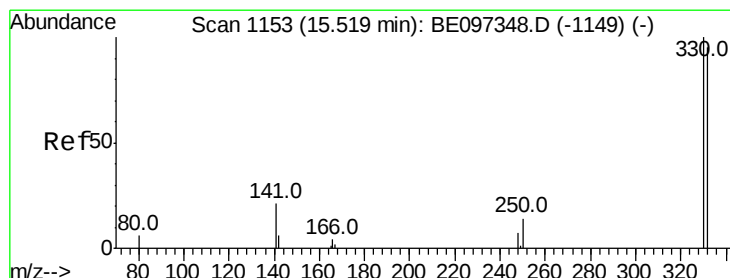
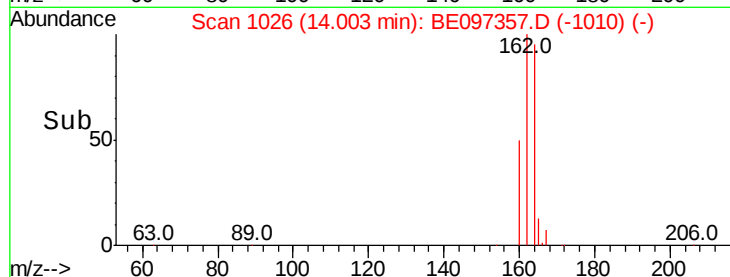
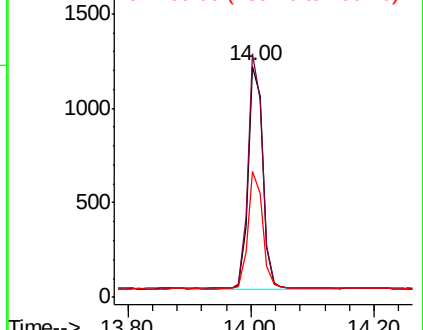
160 54.3 37.1 55.7



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: 0.362 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

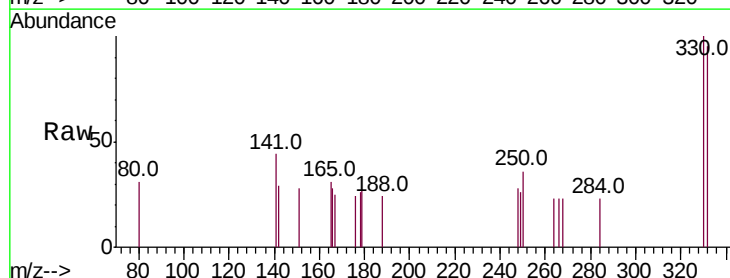
Tgt Ion:330 Resp: 238

Ion Ratio Lower Upper

330 100

332 97.1 152.7 229.1#

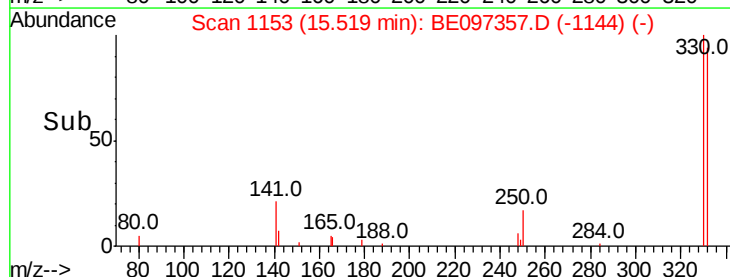
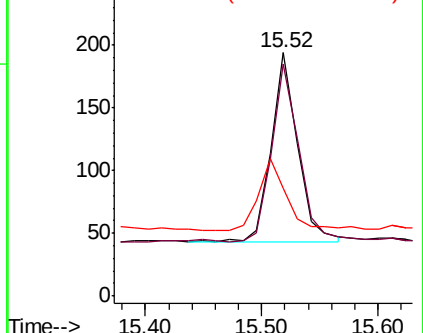
141 40.3 33.7 50.5

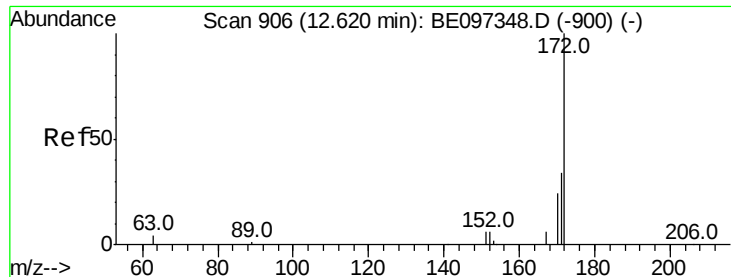


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

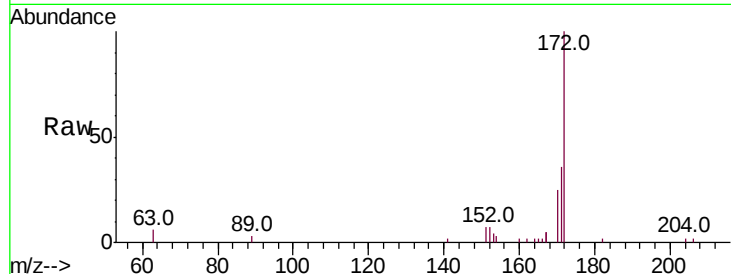




#15  
2-Fluorobiphenyl  
Concen: 0.434 ng  
RT: 12.62 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Instrument :  
BNA\_E  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.9  | 44.9  |
| 170     | 24.8  | 21.8  | 32.8  |

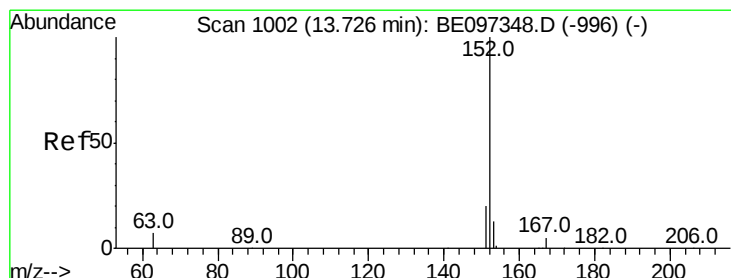
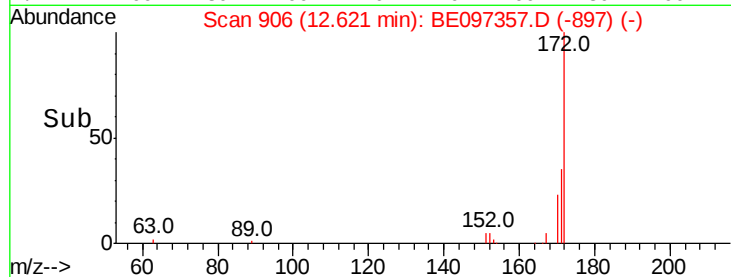
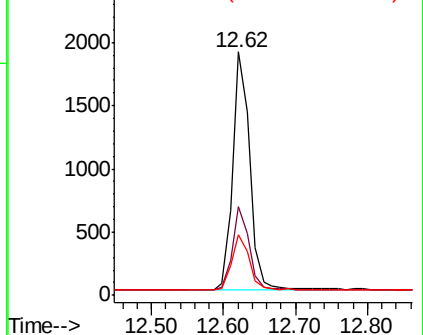


Abundance

Ion 172.00 (171.70 to 172.70): E

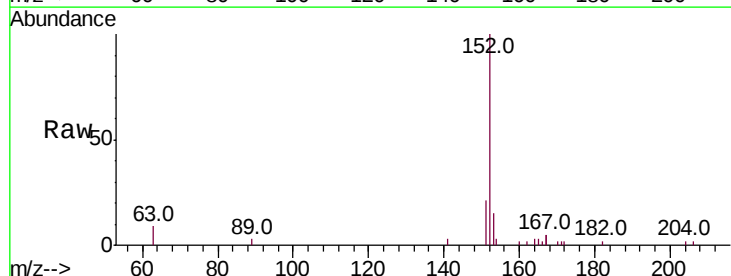
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.407 ng  
RT: 13.73 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.7  | 23.5  |
| 153     | 13.2  | 10.5  | 15.7  |

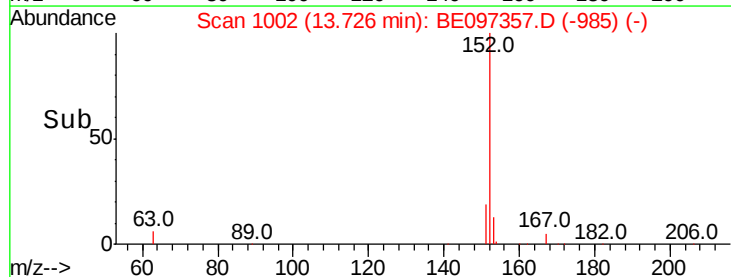
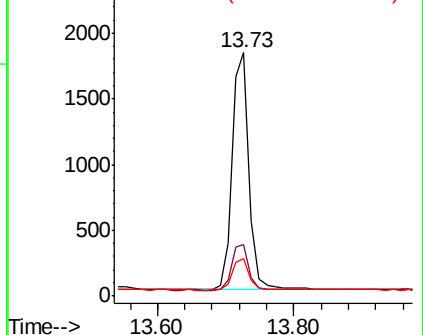


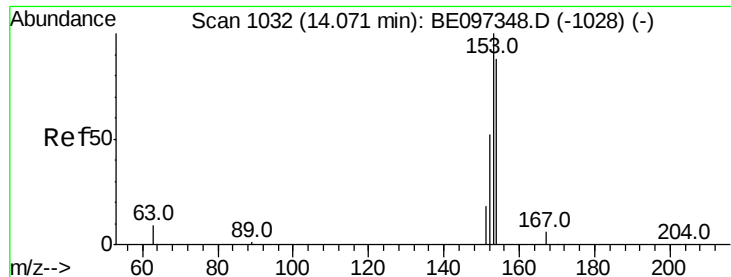
Abundance

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: 0.425 ng

RT: 14.07 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

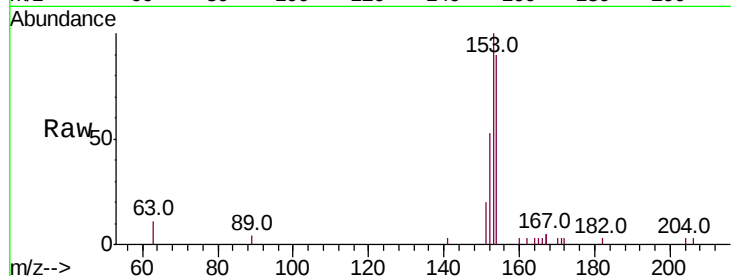
Tot Ion:154 Resp: 2188

Ion Ratio Lower Upper

154 100

153 112.6 89.2 133.8

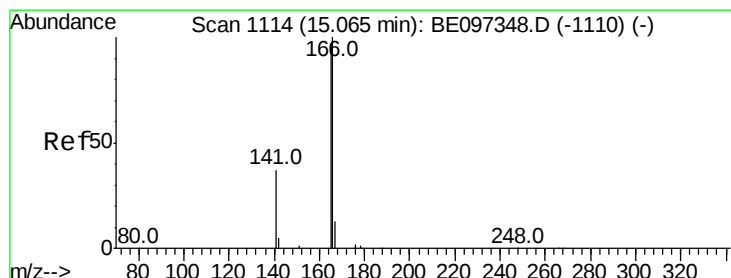
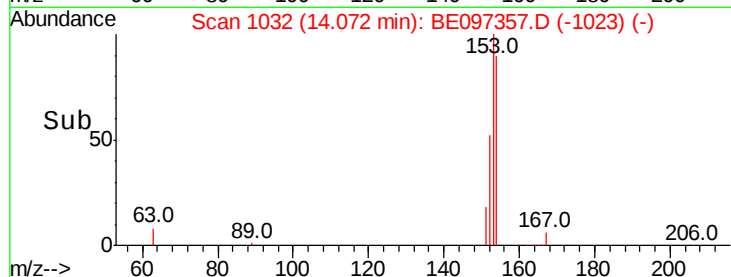
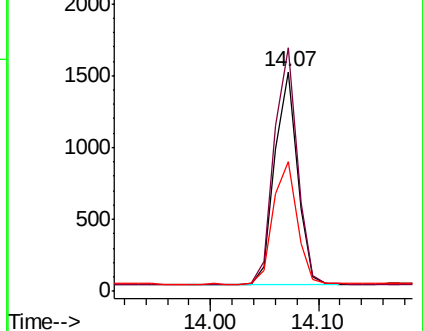
152 60.6 42.0 63.0



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: 0.421 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

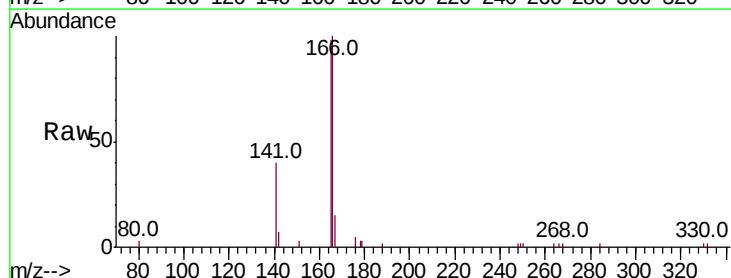
Tgt Ion:166 Resp: 2745

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.6

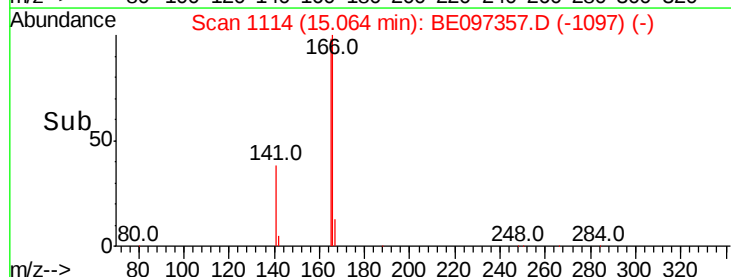
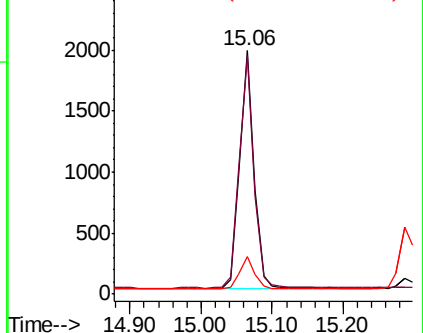
167 13.7 42.4 63.6#

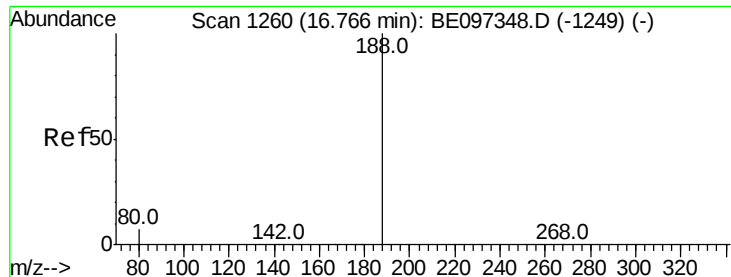


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

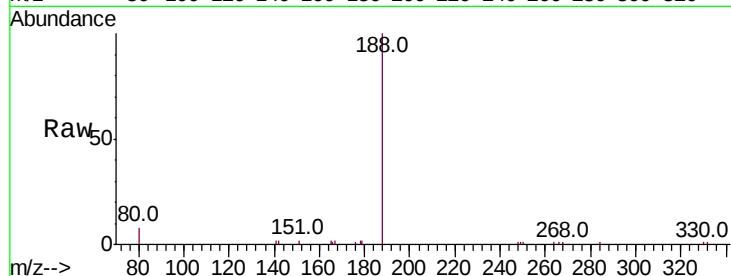
Tot Ion:188 Resp: 5423

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

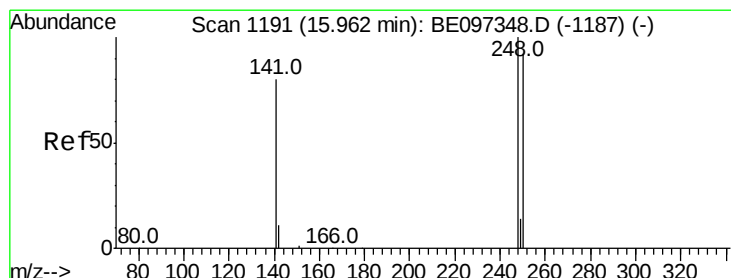
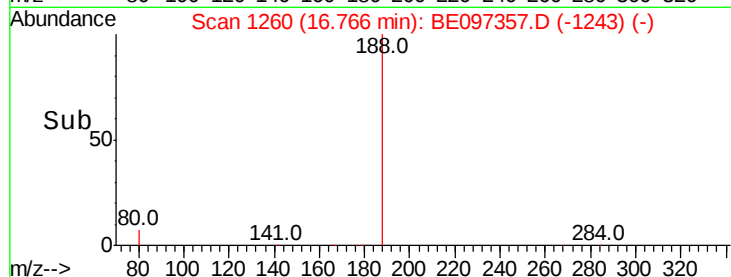
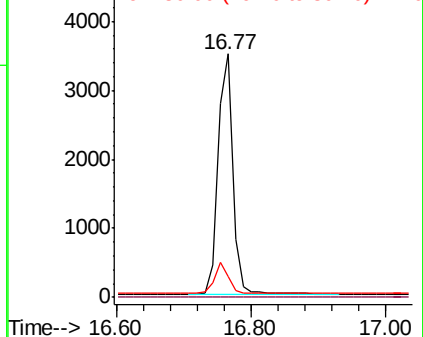
80 8.3 3.6 5.4#



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: 0.424 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

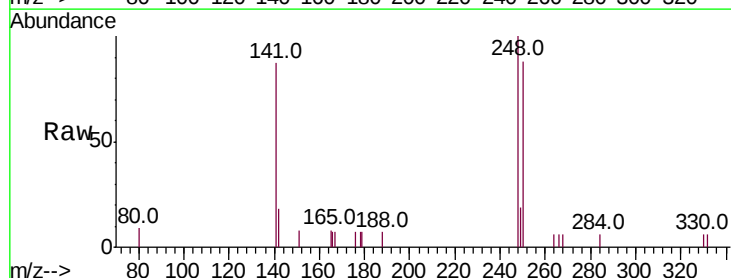
Tgt Ion:248 Resp: 1046

Ion Ratio Lower Upper

248 100

250 87.7 62.7 94.1

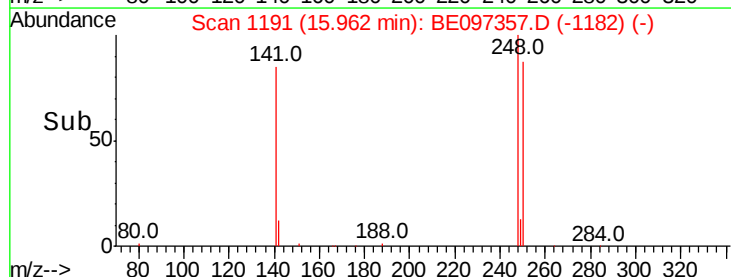
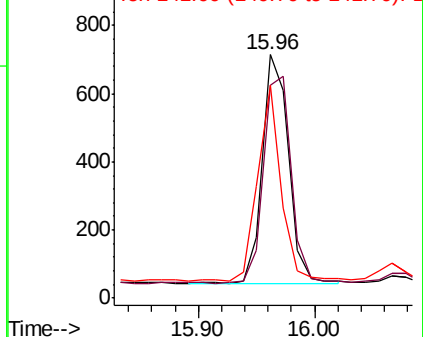
141 87.3 48.2 72.2#

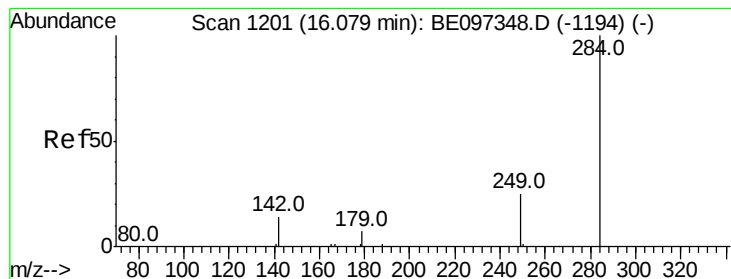


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampled :

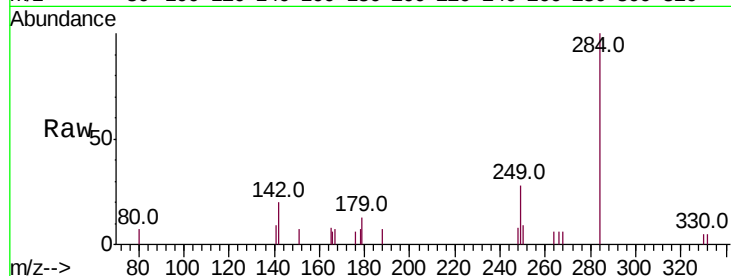
Tot Ion:284 Resp: 1157

Ion Ratio Lower Upper

284 100

142 35.5 22.1 33.1#

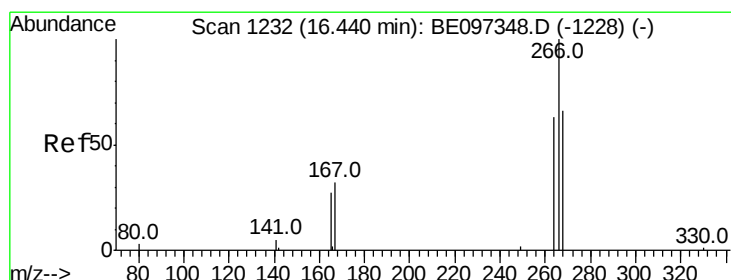
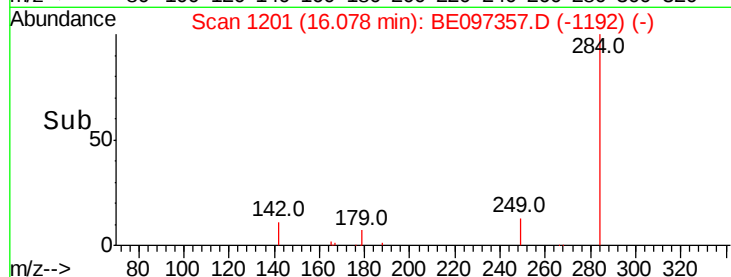
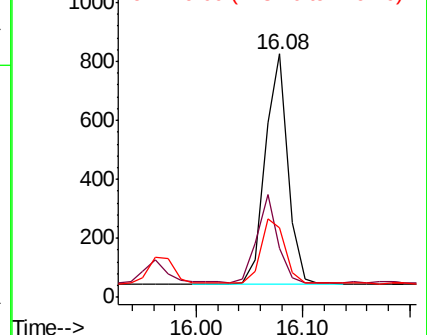
249 29.6 34.8 52.2#



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: 0.413 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

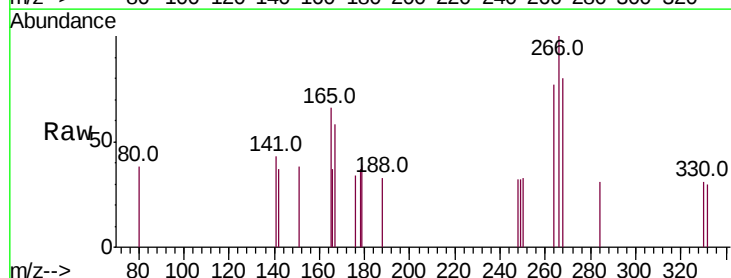
Tgt Ion:266 Resp: 223

Ion Ratio Lower Upper

266 100

264 76.9 72.5 108.7

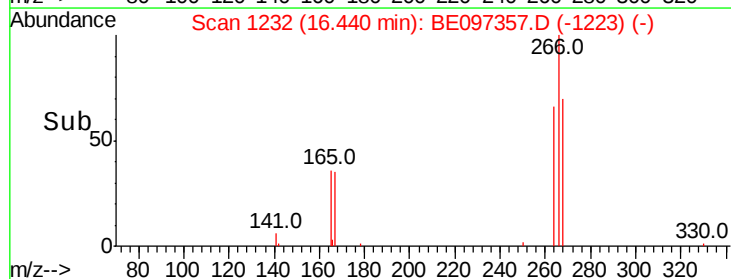
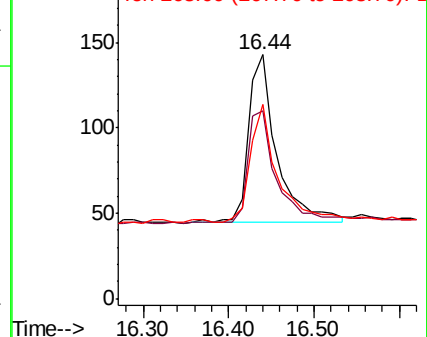
268 79.7 73.8 110.6

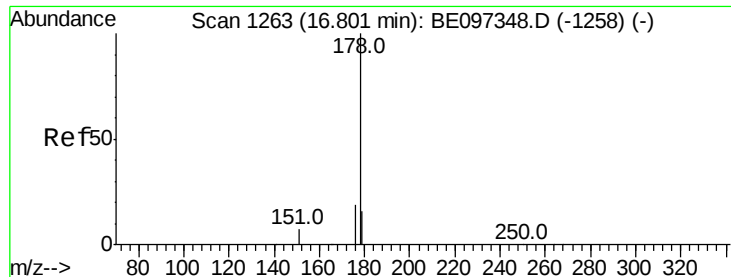


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

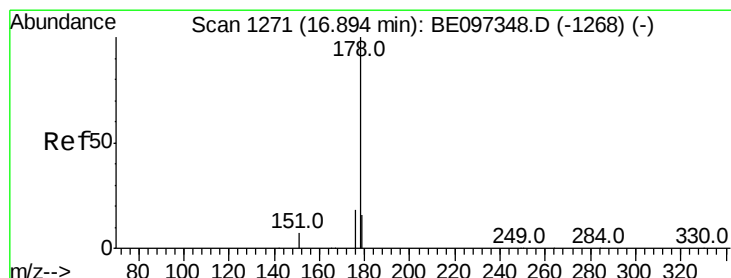
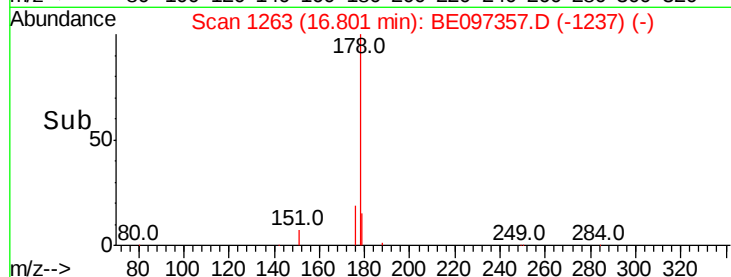
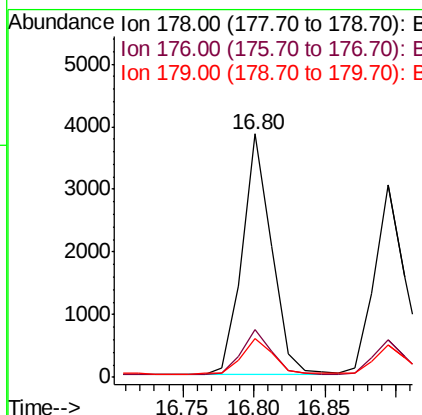
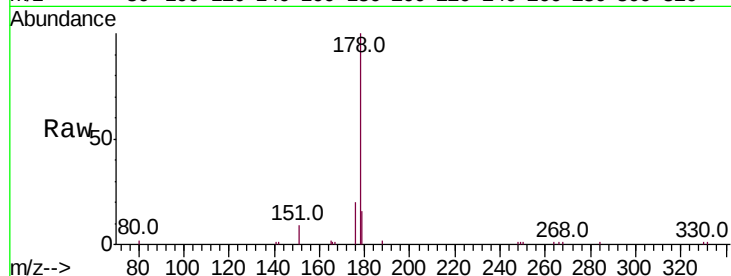




#23  
Phenanthrene  
Concen: 0.423 ng  
RT: 16.80 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

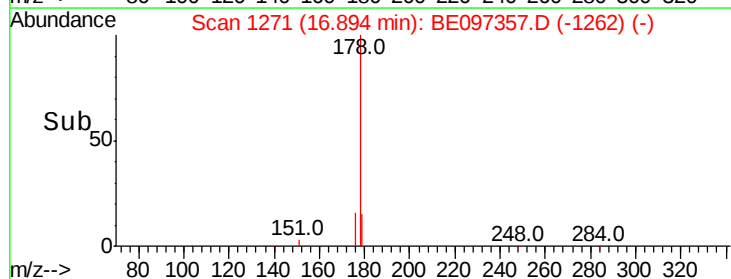
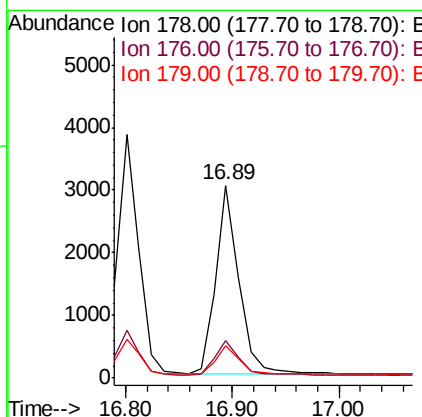
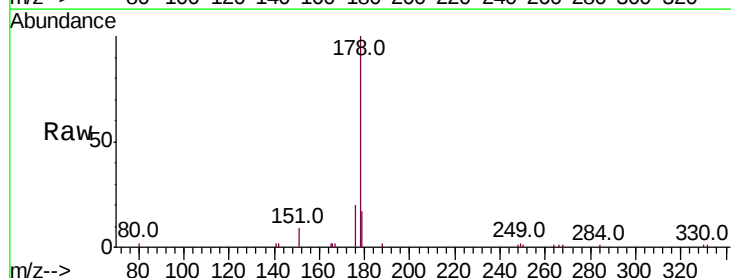
Instrument :  
BNA\_E  
ClientSampleId :

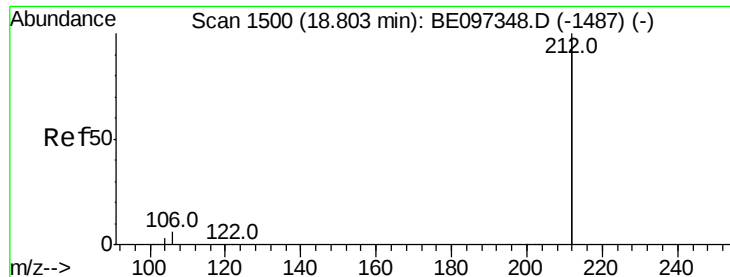
Tot Ion:178 Resp: 5462  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.4 11.8 17.6



#24  
Anthracene  
Concen: 0.410 ng  
RT: 16.89 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Tgt Ion:178 Resp: 4508  
Ion Ratio Lower Upper  
178 100  
176 18.6 12.8 19.2  
179 15.8 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

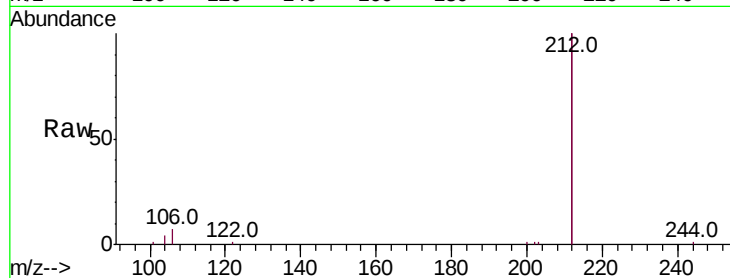
Tot Ion:212 Resp: 24584

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

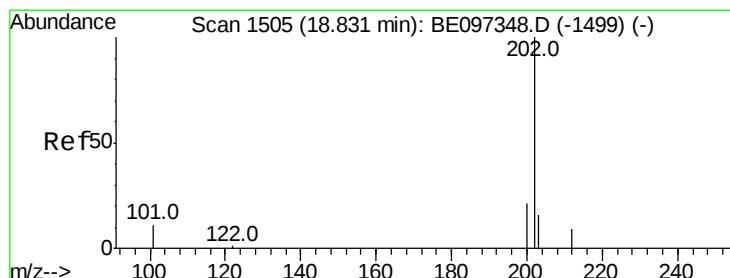
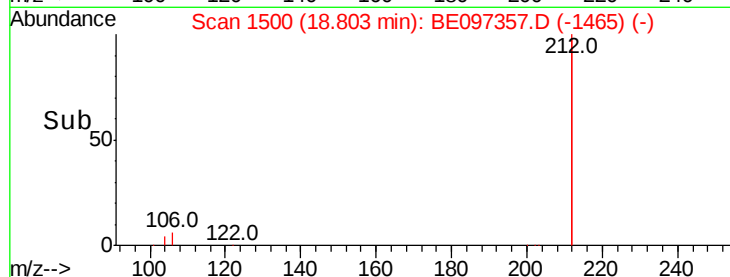
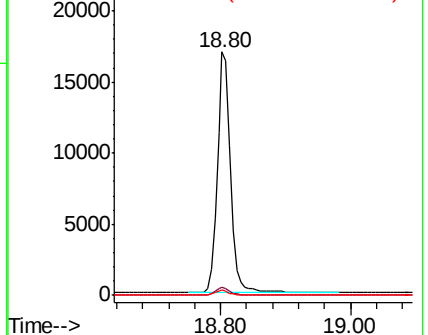
104 1.7 1.6 2.4



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: 0.399 ng

RT: 18.84 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

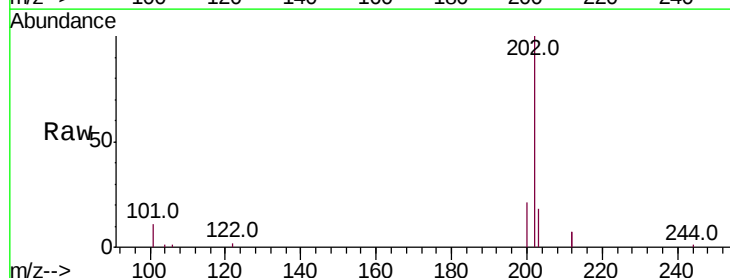
Tgt Ion:202 Resp: 6461

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

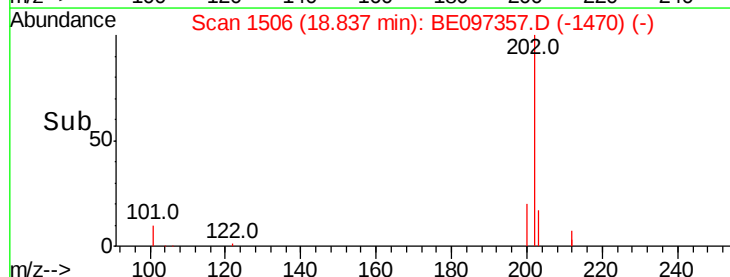
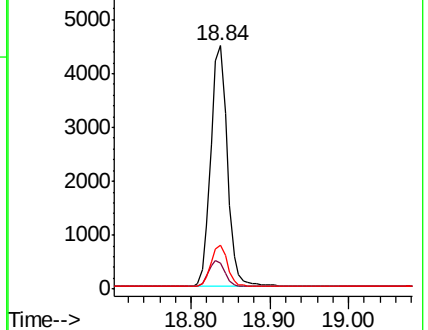
203 17.0 13.7 20.5

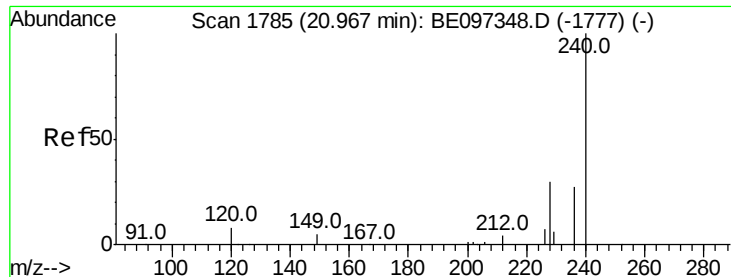


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1785

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

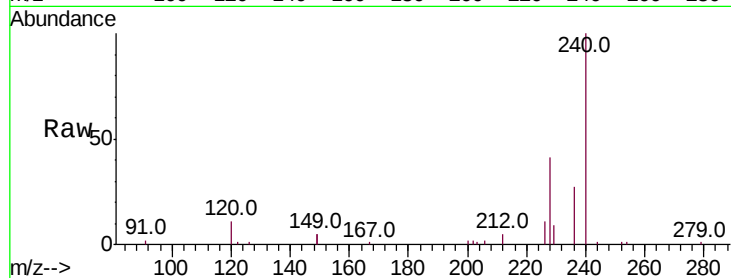
Tot Ion:240 Resp: 6751

Ion Ratio Lower Upper

240 100

120 10.7 5.5 8.3#

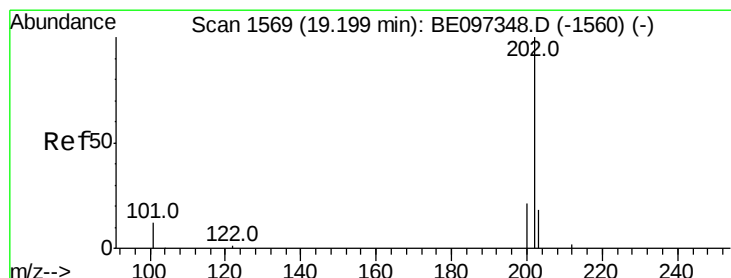
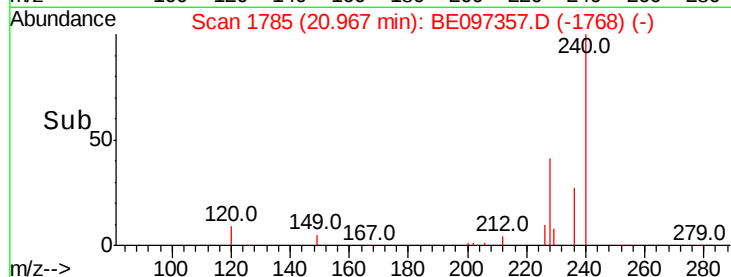
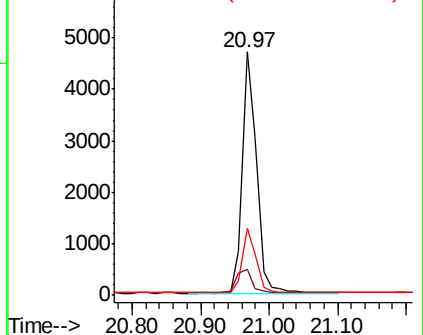
236 27.4 20.7 31.1



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: 0.408 ng

RT: 19.20 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

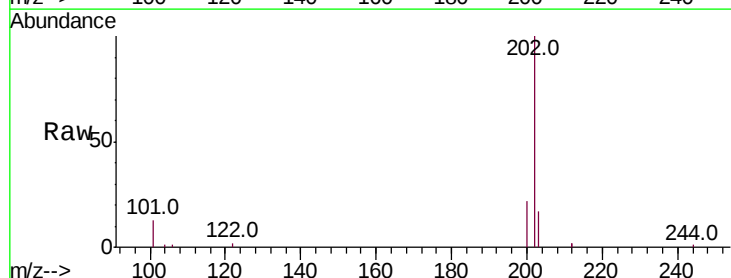
Tgt Ion:202 Resp: 6552

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

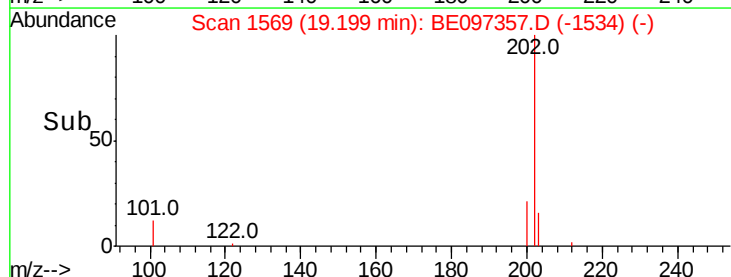
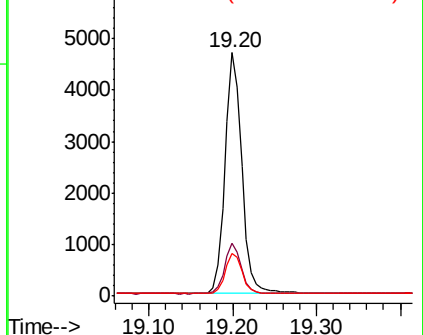
203 16.8 13.8 20.8

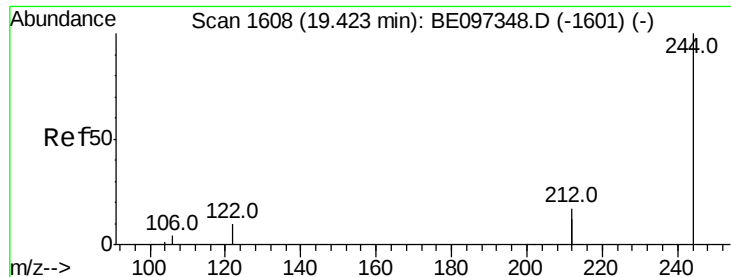


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.42 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampled :

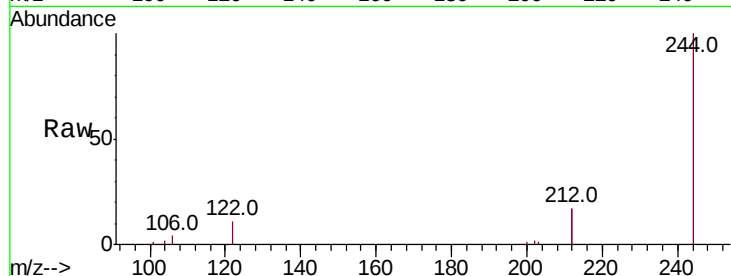
Tot Ion:244 Resp: 5010

Ion Ratio Lower Upper

244 100

212 33.7 25.4 38.0

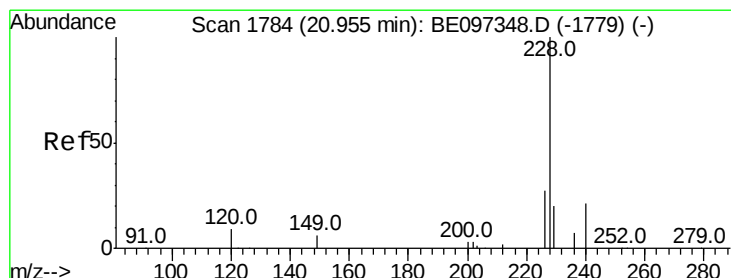
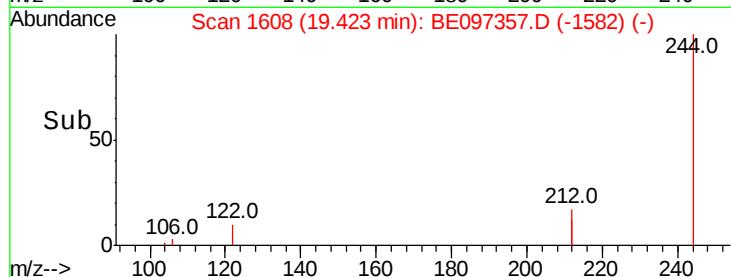
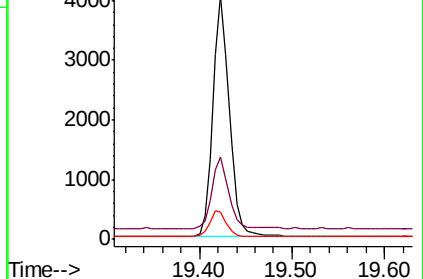
122 11.0 8.1 12.1



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: 20.96 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

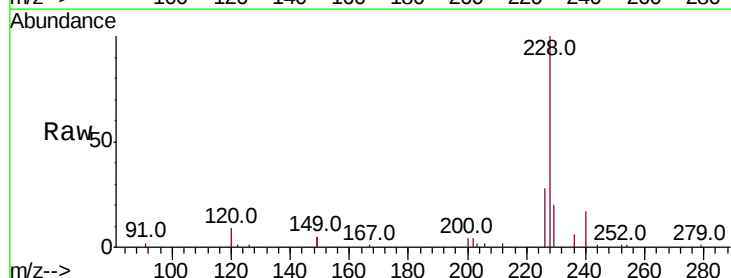
Tgt Ion:228 Resp: 6630

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

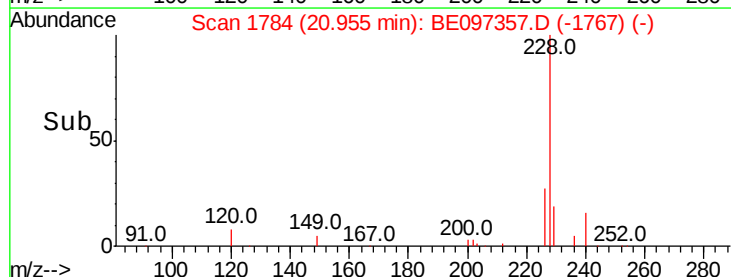
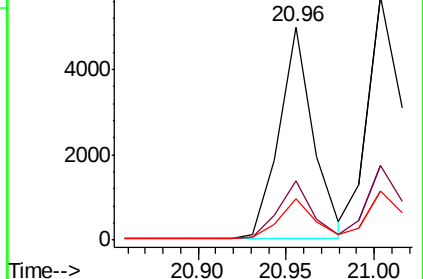
229 19.7 16.0 24.0

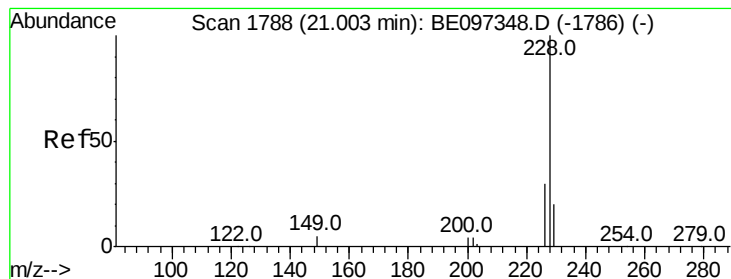


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

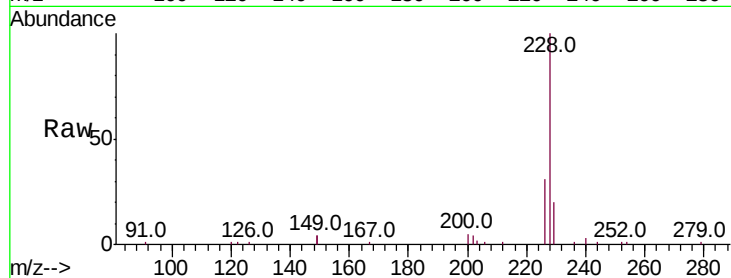
Tot Ion:228 Resp: 7684

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

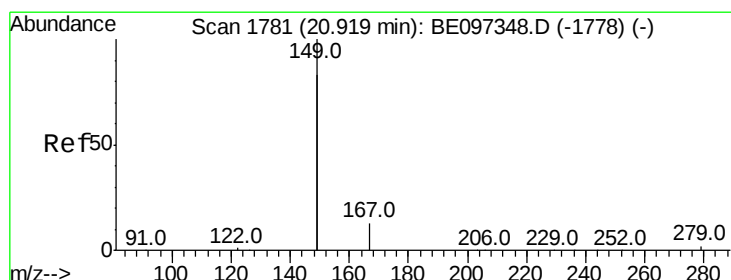
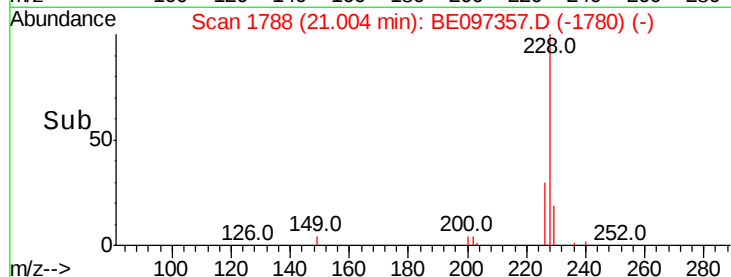
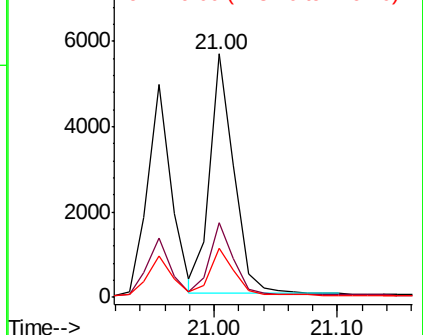
229 20.0 16.0 24.0



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: 0.389 ng

RT: 20.92 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

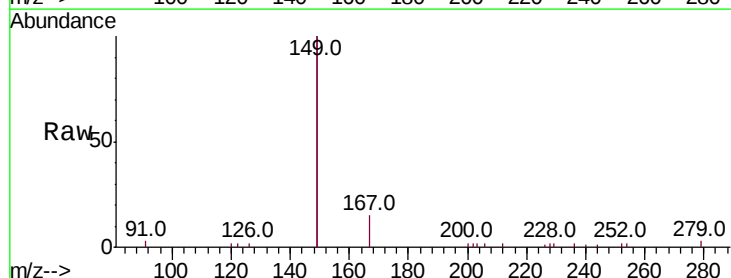
Tgt Ion:149 Resp: 7395

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

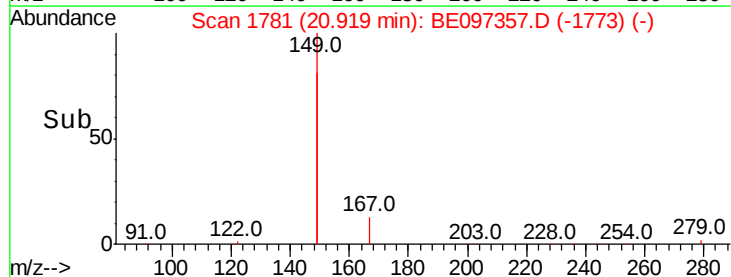
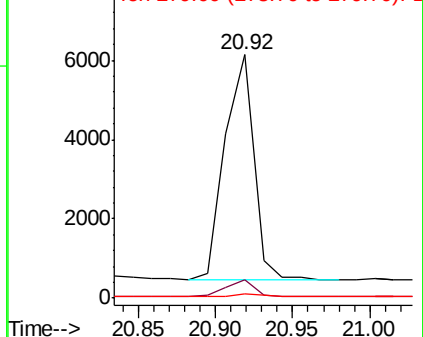
279 1.0 0.7 1.1

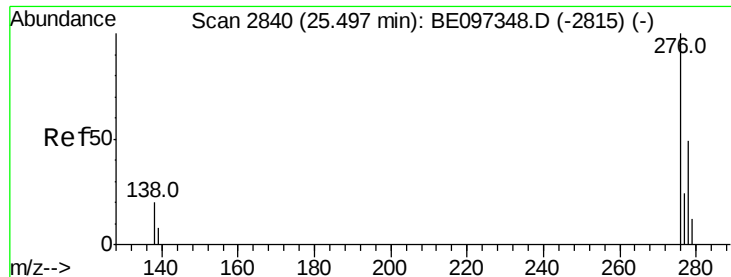


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.350 ng

RT: 25.50 min Scan# 2842

Delta R.T. 0.01 min

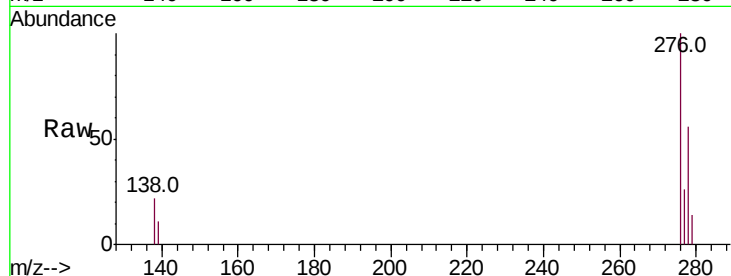
Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :



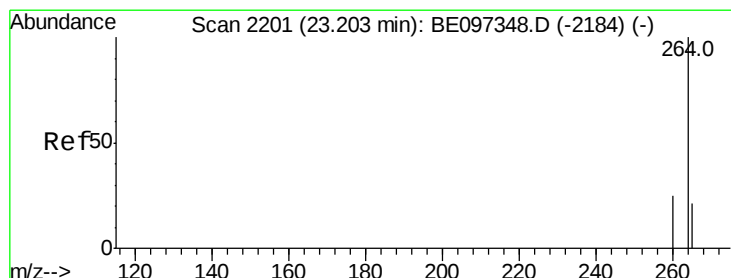
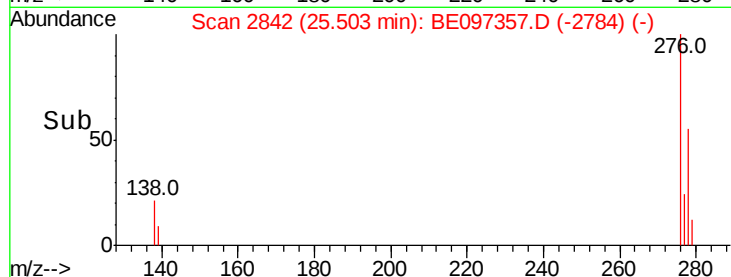
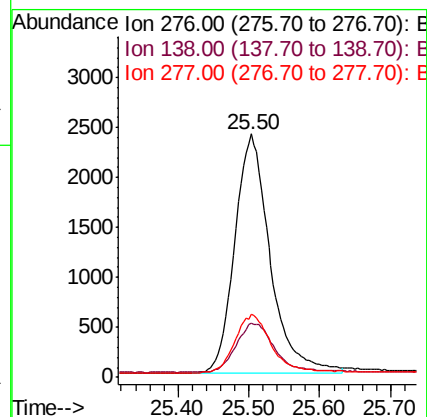
Tot Ion:276 Resp: 8278

Ion Ratio Lower Upper

276 100

138 22.2 22.5 33.7#

277 24.9 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

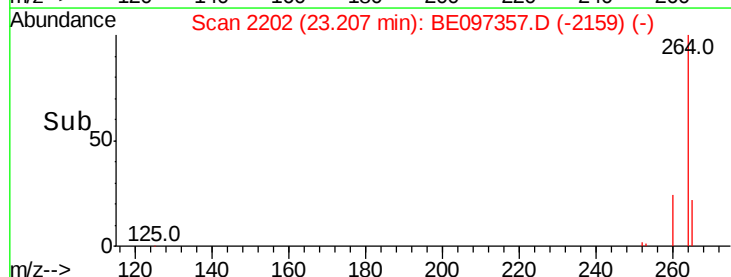
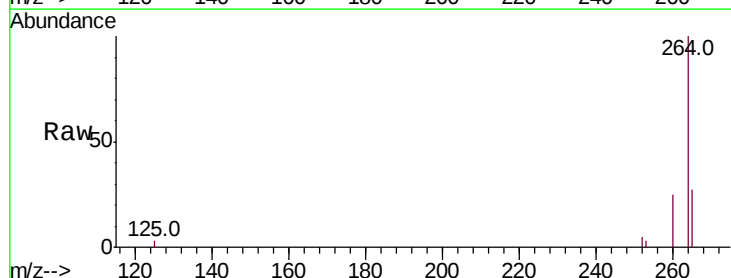
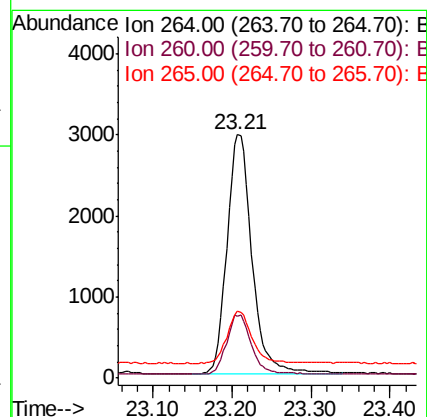
Tgt Ion:264 Resp: 6560

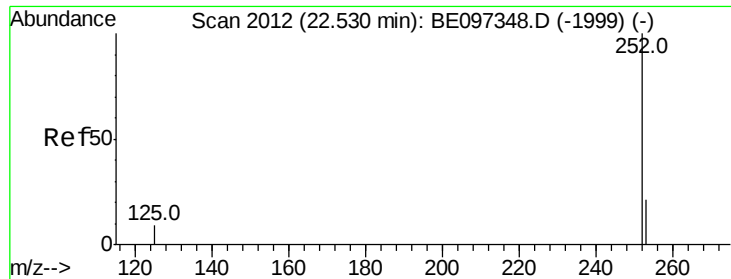
Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 27.3 22.8 34.2

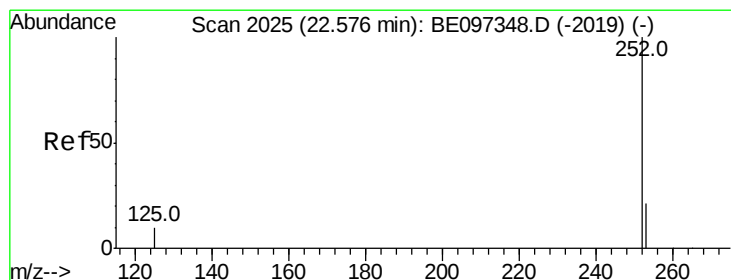
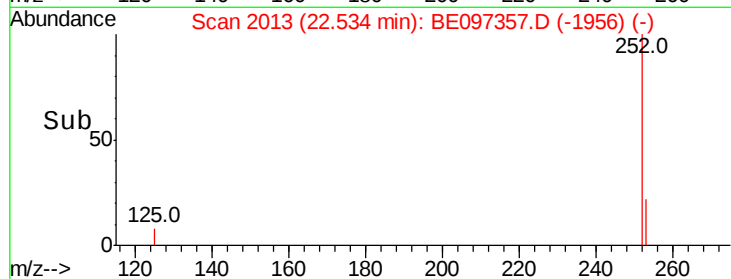
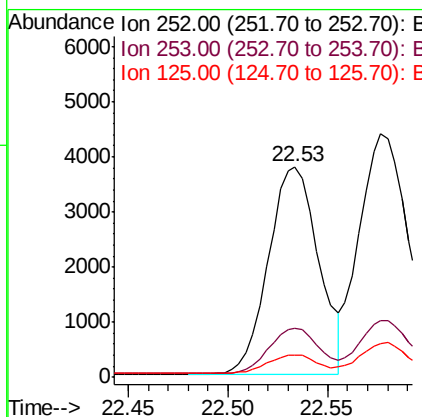
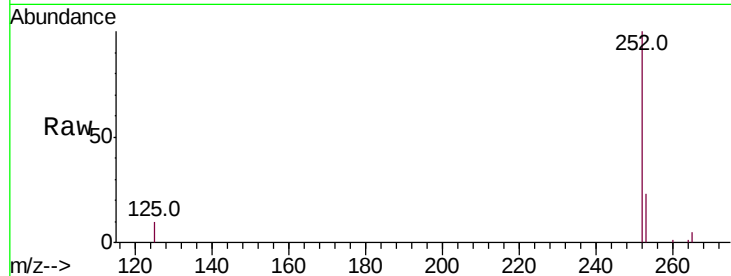




#35  
Benzo(b)fluoranthene  
Concen: 0.375 ng  
RT: 22.53 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

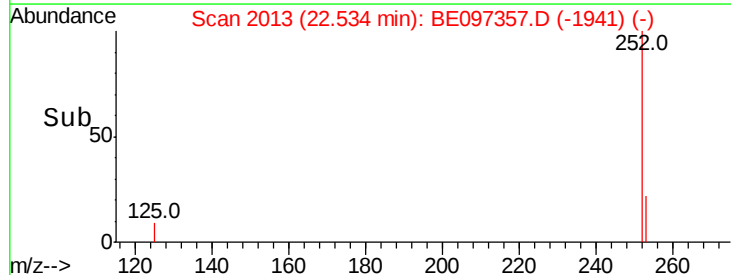
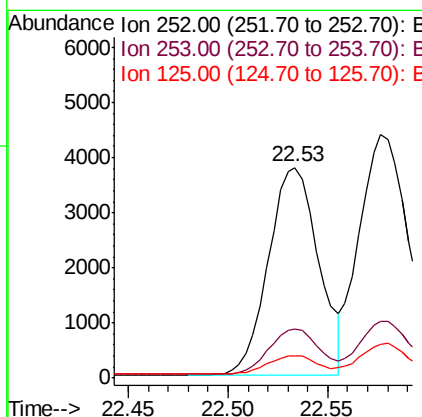
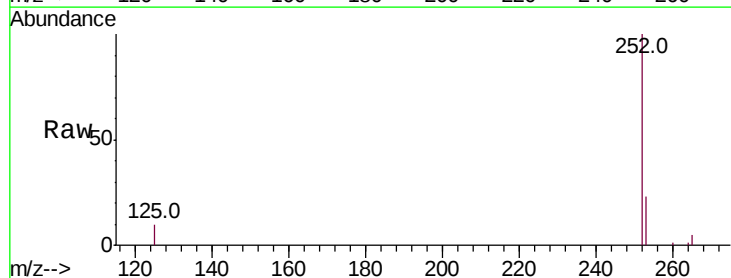
Instrument :  
BNA\_E  
ClientSampleId :

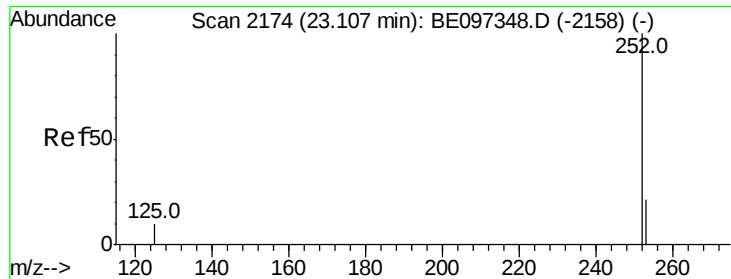
Tot Ion:252 Resp: 6563  
Ion Ratio Lower Upper  
252 100  
253 23.3 20.0 30.0  
125 10.3 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.340 ng  
RT: 22.53 min Scan# 2013  
Delta R.T. -0.04 min  
Lab File: BE097357.D  
Acq: 23 Aug 2018 14:25

Tgt Ion:252 Resp: 6563  
Ion Ratio Lower Upper  
252 100  
253 23.3 16.0 24.0  
125 10.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 23.11 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

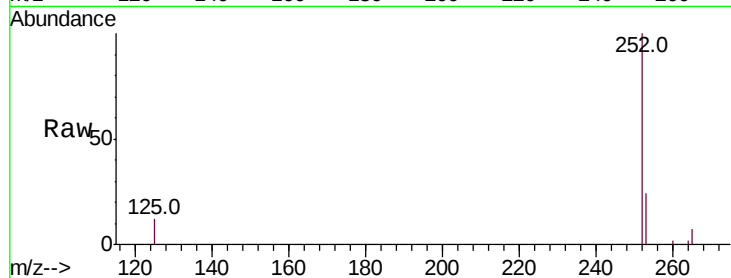
Tot Ion:252 Resp: 6109

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

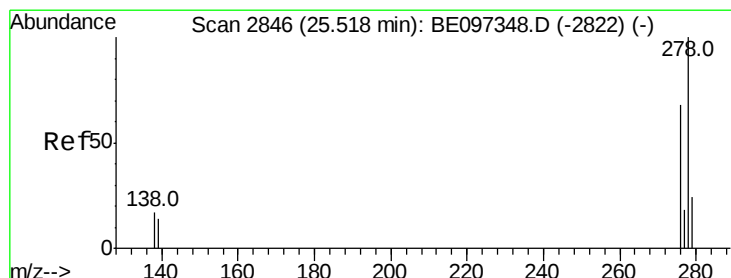
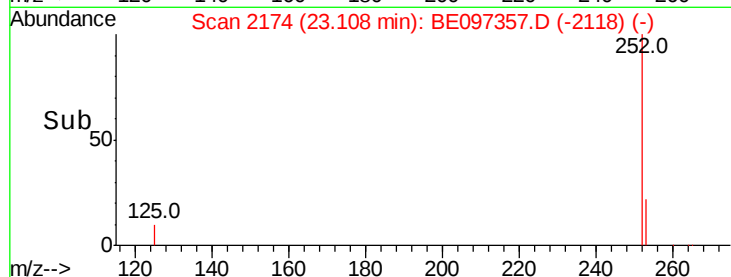
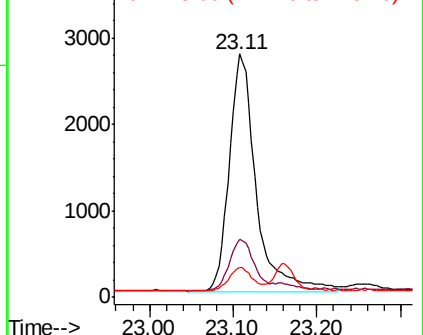
125 12.4 12.0 18.0



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: 0.362 ng

RT: 25.52 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

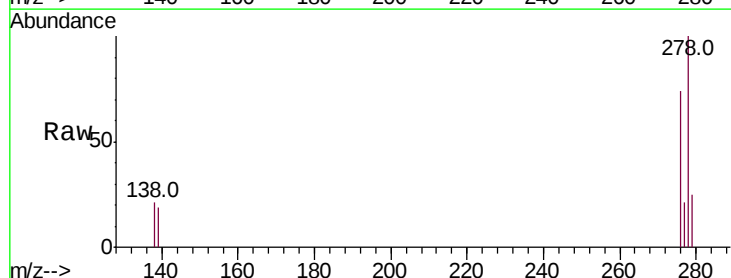
Tgt Ion:278 Resp: 7292

Ion Ratio Lower Upper

278 100

139 18.8 16.0 24.0

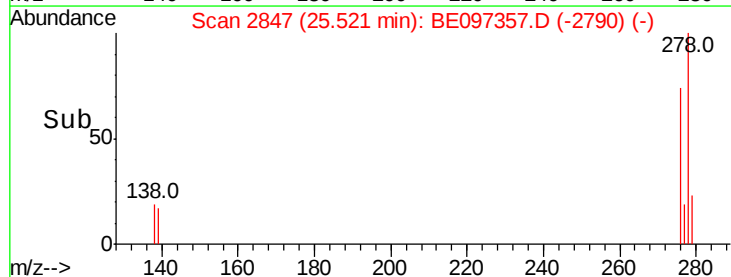
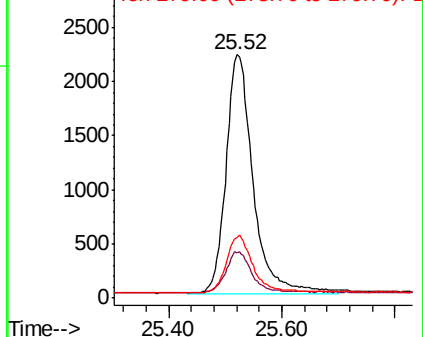
279 25.0 20.0 30.0

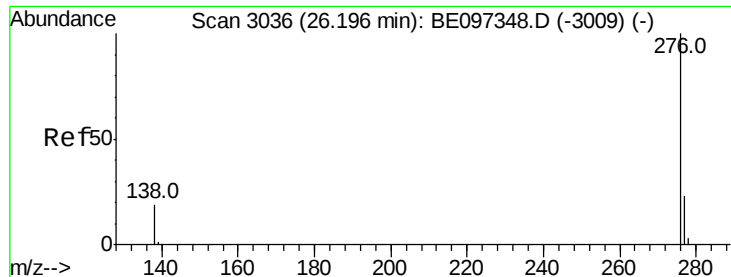


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.338 ng

RT: 26.20 min Scan# 3037

Delta R.T. 0.00 min

Lab File: BE097357.D

Acq: 23 Aug 2018 14:25

Instrument :

BNA\_E

ClientSampleId :

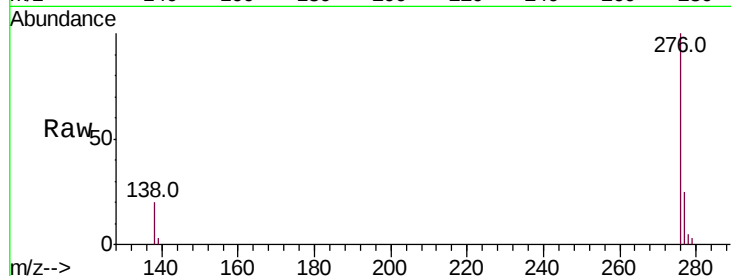
Tot Ion:276 Resp: 7082

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 20.2 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

