

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071417\  
 Data File : BE093475.D  
 Acq On : 14 Jul 2017 18:37  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc : L00 0.2 PPM  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Jul 17 01:28:44 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 06:40:23 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 4373     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.72 | 136  | 23873    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 15287    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 29399    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 39078    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.93 | 264  | 33164    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.52  | 112  | 4957     | 0.38 | ng    | -0.01    |
| 5) Phenol-d6                | 7.09  | 99   | 7775     | 0.40 | ng    | -0.01    |
| 8) Nitrobenzene-d5          | 9.08  | 82   | 6631     | 0.43 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.30 | 152  | 15400    | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 1138     | 0.24 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.18 | 172  | 23350    | 0.39 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.28 | 212  | 157182   | 0.44 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 28147    | 0.40 | ng    | 0.00     |

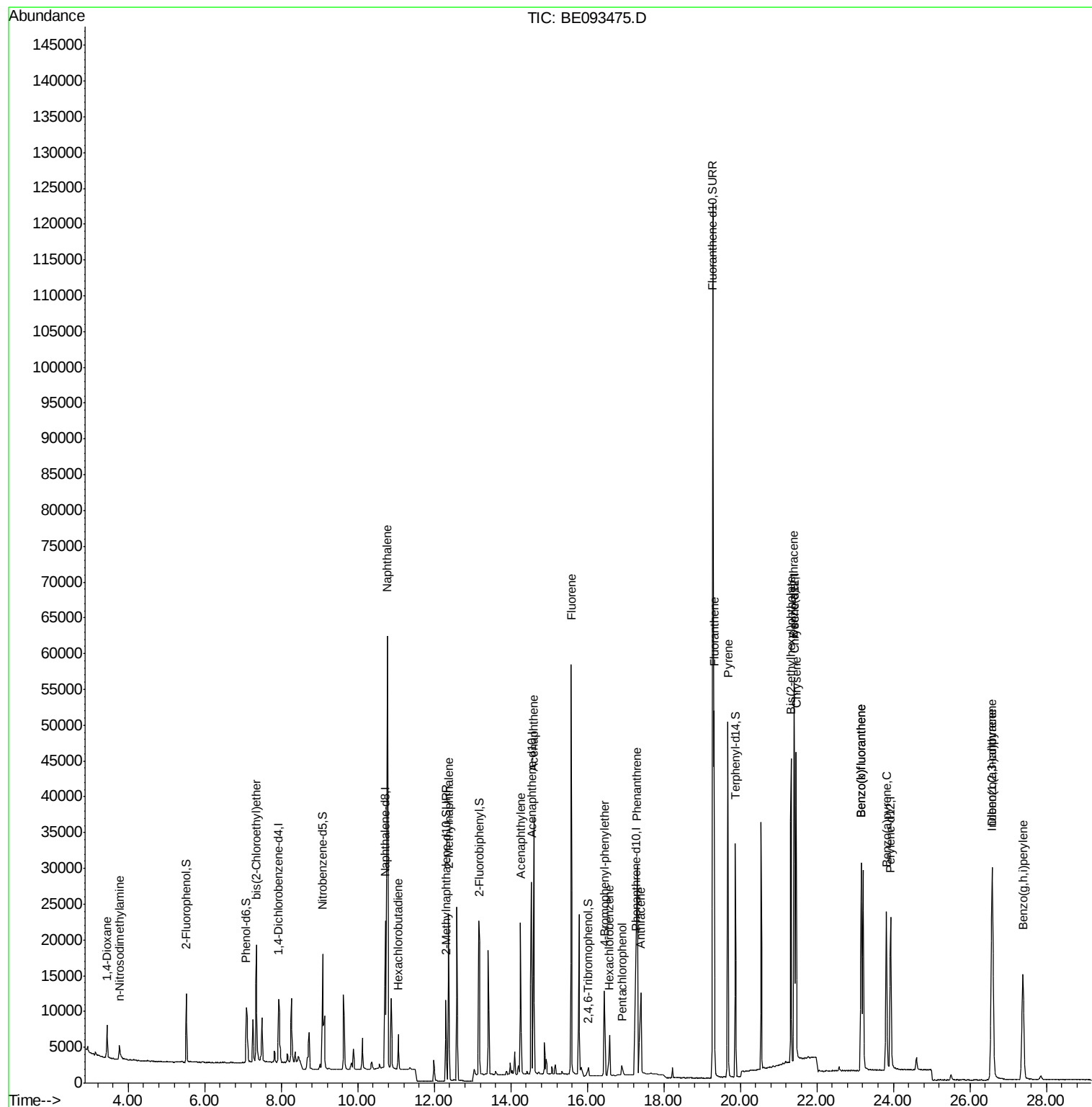
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88   | 3165     | 0.342 | ng    | 93     |
| 3) n-Nitrosodimethylamine      | 3.77  | 42   | 1917     | 0.408 | ng    | # 96   |
| 6) bis(2-Chloroethyl)ether     | 7.35  | 93   | 5874     | 0.401 | ng    | # 97   |
| 9) Naphthalene                 | 10.77 | 128  | 96939    | 0.388 | ng    | # 73   |
| 10) Hexachlorobutadiene        | 11.06 | 225  | 3518     | 0.371 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.38 | 142  | 16843    | 0.401 | ng    | 97     |
| 16) Acenaphthylene             | 14.26 | 152  | 24271    | 0.381 | ng    | # 88   |
| 17) Acenaphthene               | 14.60 | 154  | 17865    | 0.383 | ng    | 99     |
| 18) Fluorene                   | 15.58 | 166  | 23142    | 0.362 | ng    | # 87   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 9305     | 0.577 | ng    | # 1    |
| 21) Hexachlorobenzene          | 16.58 | 284  | 9059     | 0.521 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266  | 1346     | 0.595 | ng    | # 79   |
| 23) Phenanthrene               | 17.30 | 178  | 44206    | 0.414 | ng    | 96     |
| 24) Anthracene                 | 17.40 | 178  | 16853    | 0.257 | ng    | # 74   |
| 26) Fluoranthene               | 19.31 | 202  | 44897    | 0.447 | ng    | 99     |
| 28) Pyrene                     | 19.67 | 202  | 45334    | 0.413 | ng    | # 100  |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 39029    | 0.370 | ng    | 94     |
| 31) Chrysene                   | 21.46 | 228  | 43426    | 0.394 | ng    | 95     |
| 32) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 53392    | 0.351 | ng    | # 66   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.57 | 276  | 40705    | 0.420 | ng    | 96     |
| 35) Benzo(b)fluoranthene       | 23.16 | 252  | 41468    | 0.387 | ng    | 97     |
| 36) Benzo(k)fluoranthene       | 23.16 | 252  | 41468    | 0.391 | ng    | 97     |
| 37) Benzo(a)pyrene             | 23.82 | 252  | 36206    | 0.386 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.60 | 278  | 36275    | 0.398 | ng    | # 91   |
| 39) Benzo(g,h,i)perylene       | 27.38 | 276  | 35775    | 0.389 | ng    | 92     |

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

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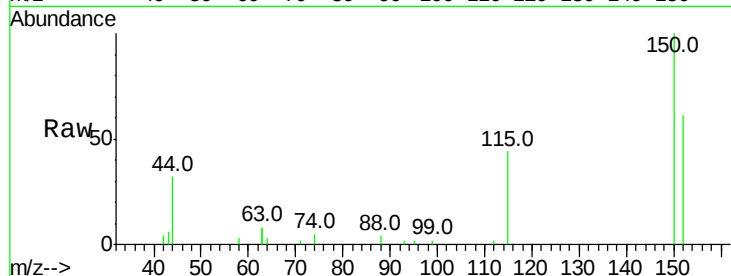


#1

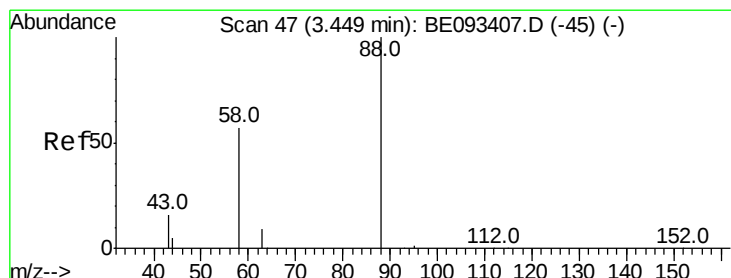
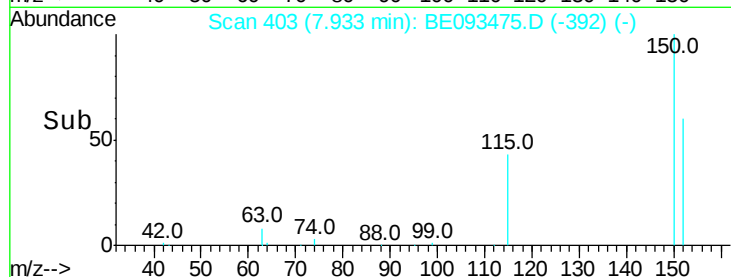
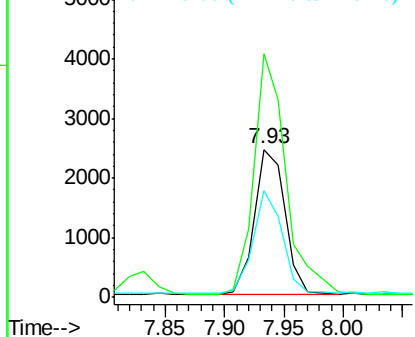
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.93 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:152 Resp: 4373  
Ion Ratio Lower Upper  
152 100  
150 164.4 125.1 187.7  
115 72.2 55.7 83.5



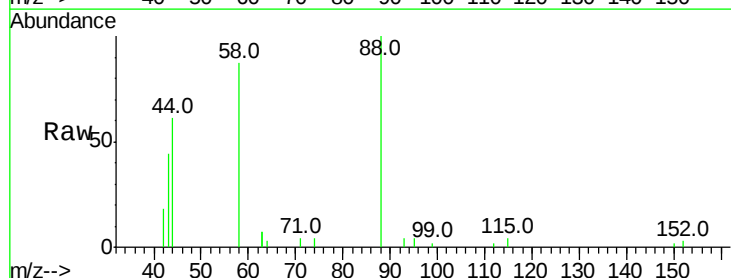
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



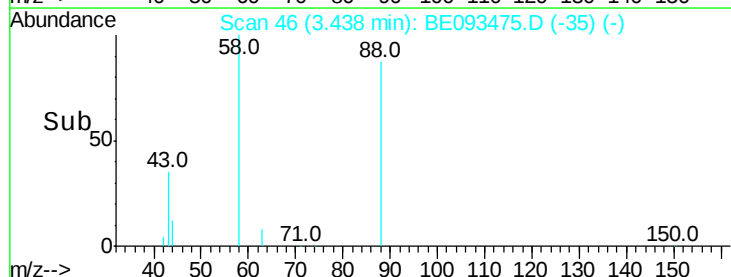
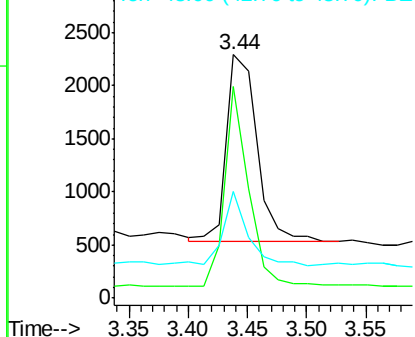
#2

1,4-Dioxane  
Concen: 0.342 ng  
RT: 3.44 min Scan# 46  
Delta R.T. -0.01 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion: 88 Resp: 3165  
Ion Ratio Lower Upper  
88 100  
58 83.5 62.2 93.4  
43 32.9 23.2 34.8



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



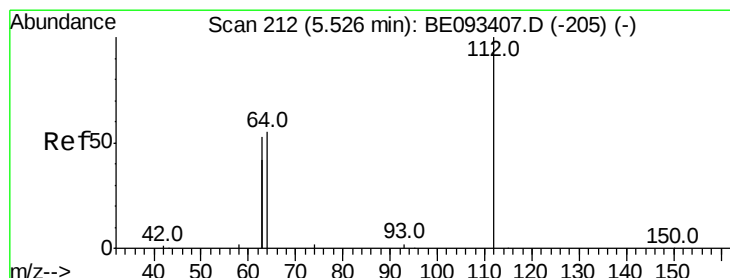
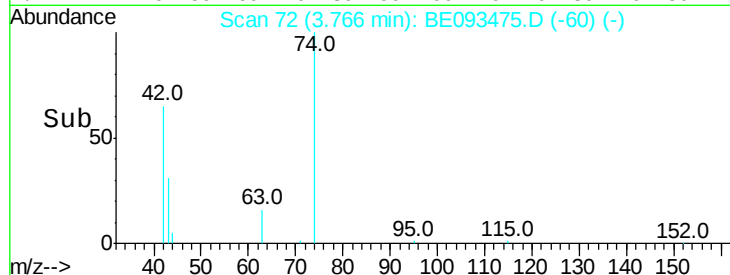
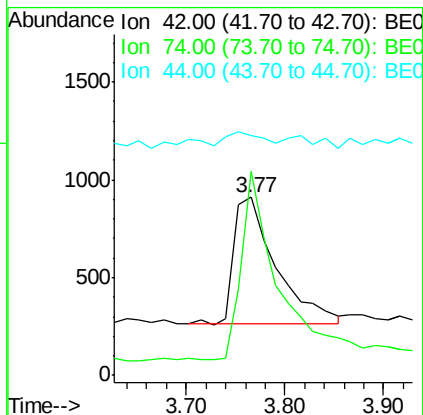
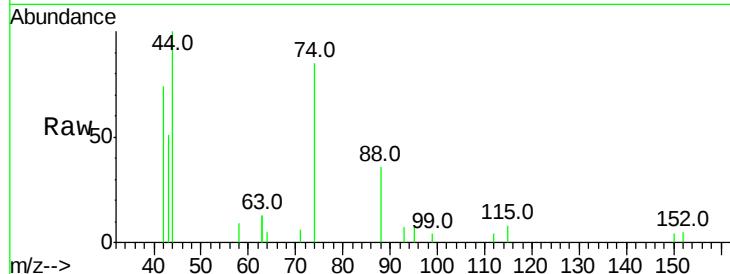


#3

n-Nitrosodimethylamine  
 Concen: 0.408 ng  
 RT: 3.77 min Scan# 72  
 Delta R.T. 0.00 min  
 Lab File: BE093475.D  
 Acq: 14 Jul 2017 18:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

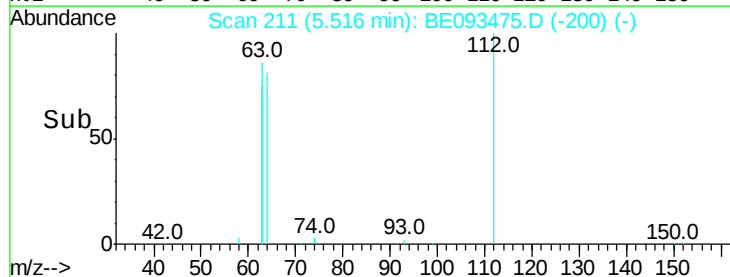
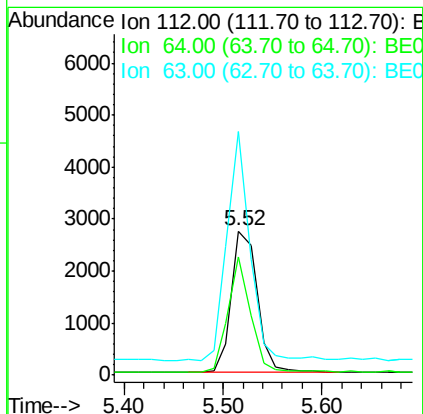
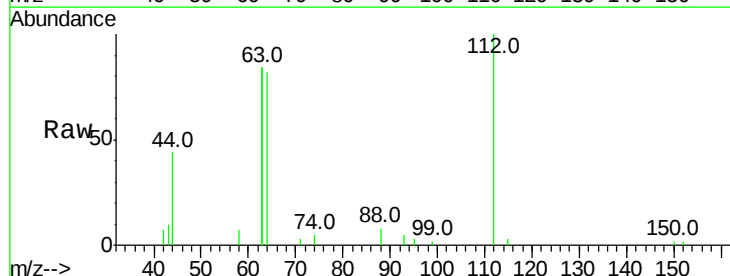
Tot Ion: 42 Resp: 1917  
 Ion Ratio Lower Upper  
 42 100  
 74 128.4 99.1 148.7  
 44 11.4 7.4 11.2#

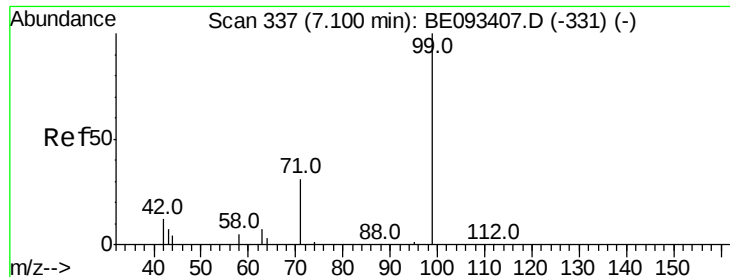


#4

2-Fluorophenol  
 Concen: 0.376 ng  
 RT: 5.52 min Scan# 211  
 Delta R.T. -0.01 min  
 Lab File: BE093475.D  
 Acq: 14 Jul 2017 18:37

Tgt Ion: 112 Resp: 4957  
 Ion Ratio Lower Upper  
 112 100  
 64 70.8 56.4 84.6  
 63 144.3 29.3 43.9#





#5

Phenol-d6

Concen: 0.400 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

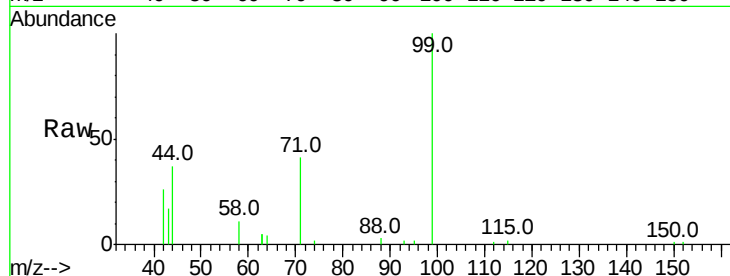
Tot Ion: 99 Resp: 7775

Ion Ratio Lower Upper

99 100

42 20.0 0.0 0.0#

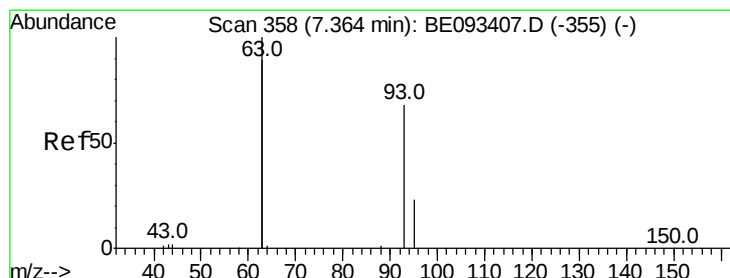
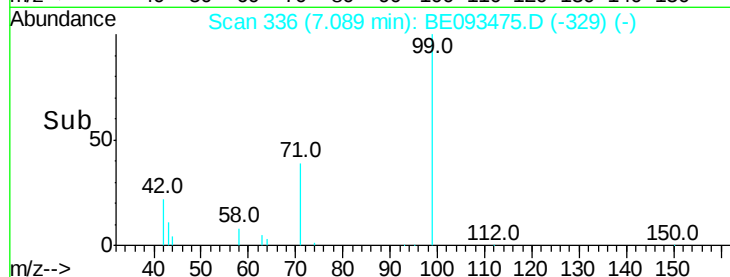
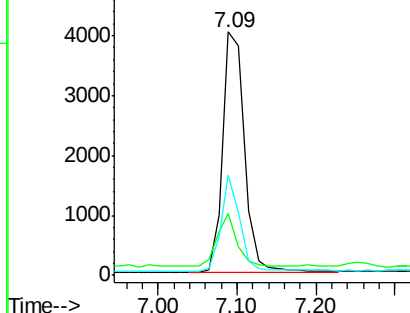
71 34.8 0.0 0.0#



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: 0.401 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

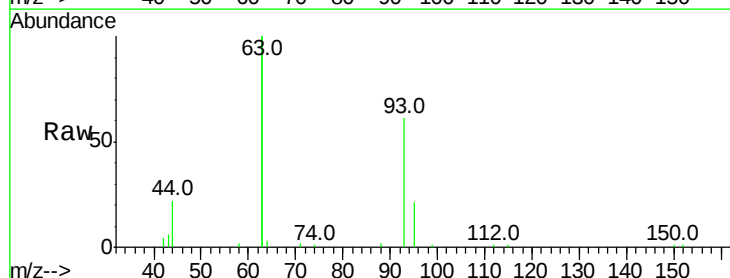
Tgt Ion: 93 Resp: 5874

Ion Ratio Lower Upper

93 100

63 347.2 0.0 0.0#

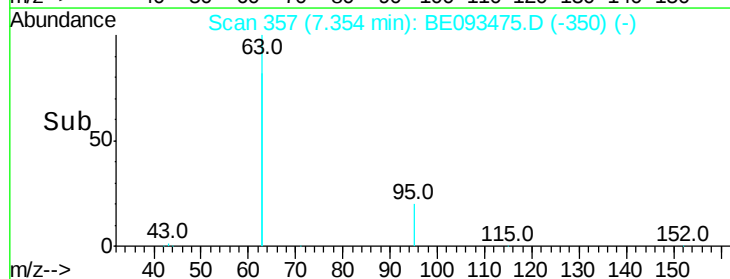
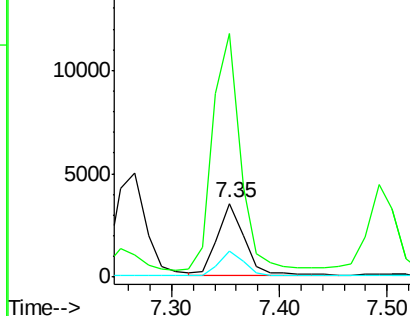
95 33.2 25.4 38.0

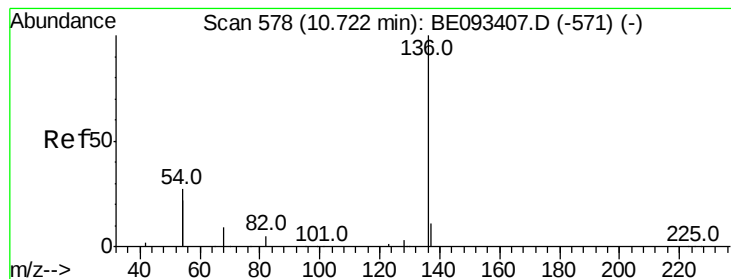


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 23873

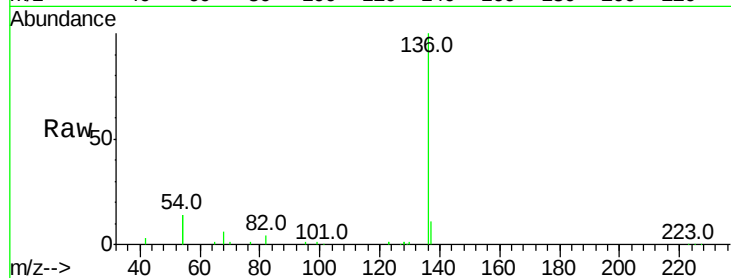
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 27.5 10.3 15.5#

68 6.0 9.0 13.4#

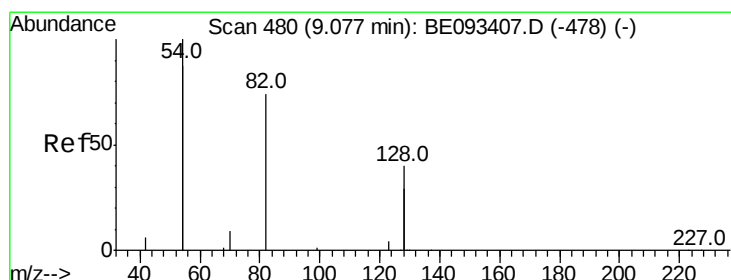
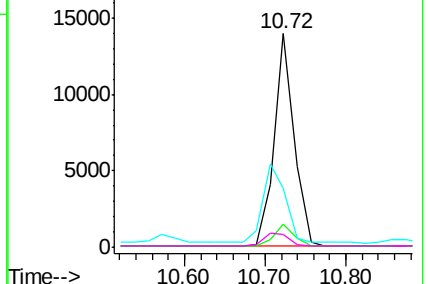
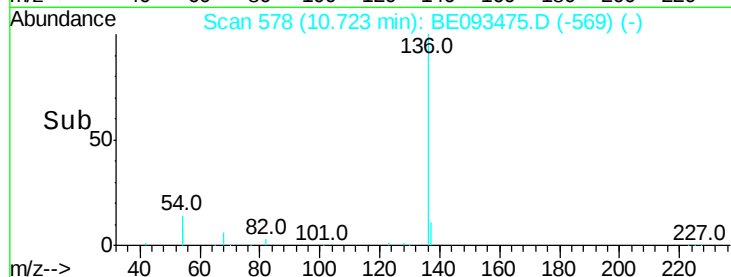


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.435 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

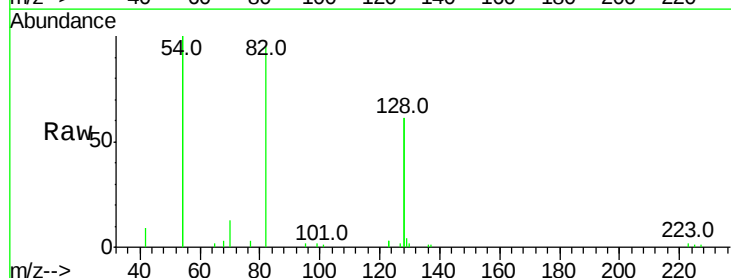
Tgt Ion: 82 Resp: 6631

Ion Ratio Lower Upper

82 100

128 129.0 17.0 25.4#

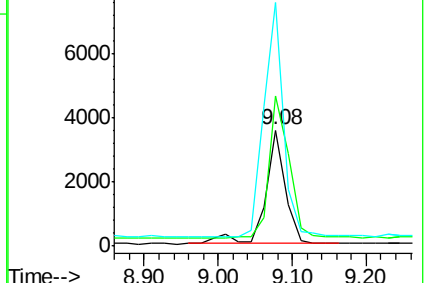
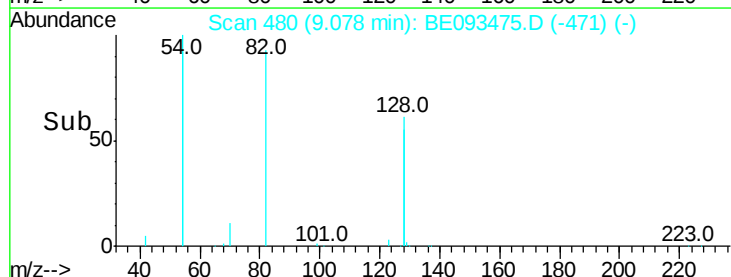
54 209.9 53.8 80.6#

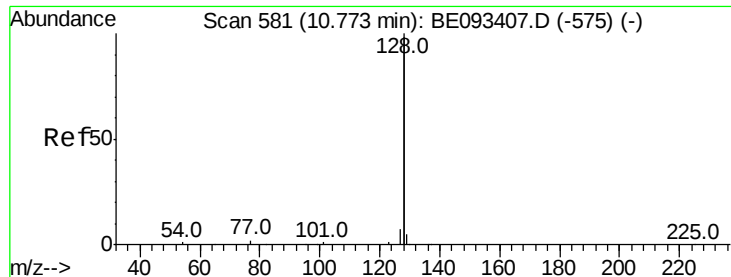


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

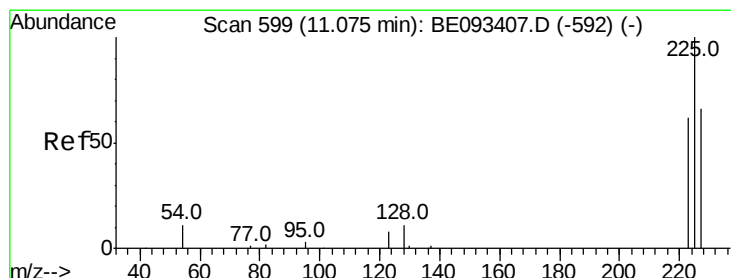
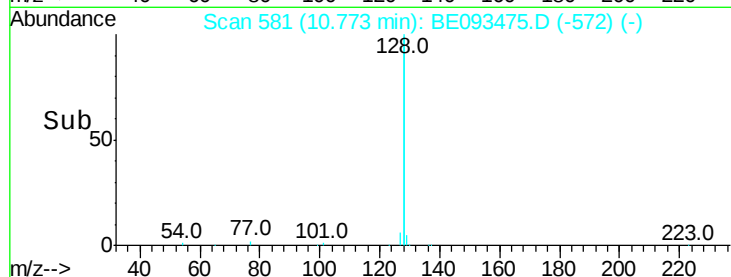
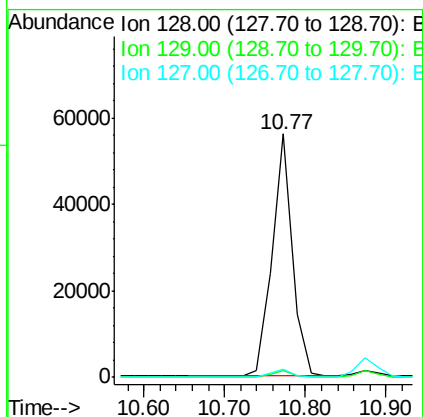
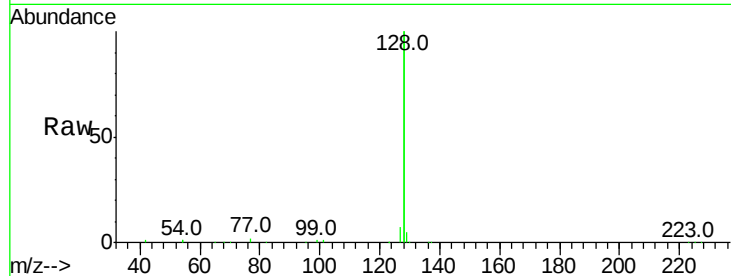




#9  
Naphthalene  
Concen: 0.388 ng  
RT: 10.77 min Scan# 581  
Delta R.T. 0.00 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

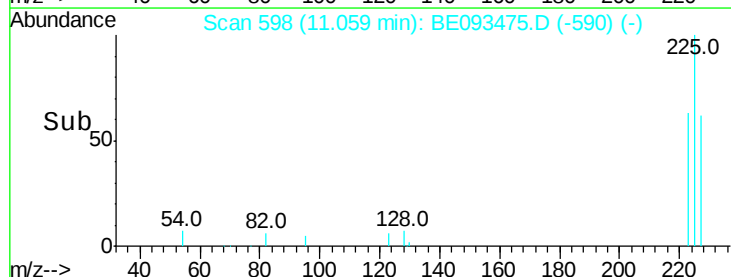
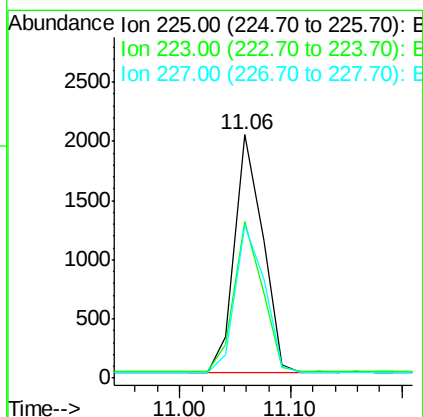
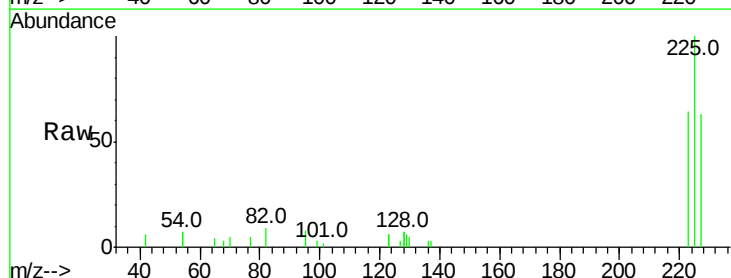
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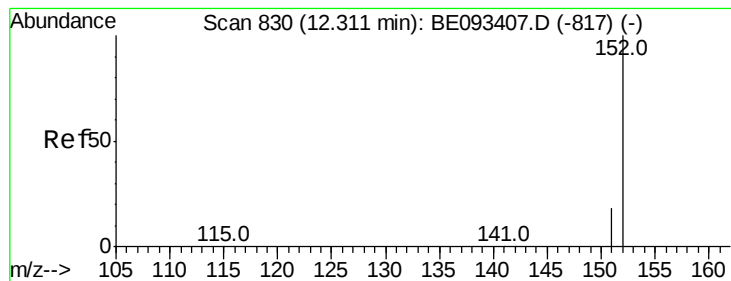
Tot Ion:128 Resp: 96939  
Ion Ratio Lower Upper  
128 100  
129 2.7 11.4 17.0#  
127 3.3 11.2 16.8#



#10  
Hexachlorobutadiene  
Concen: 0.371 ng  
RT: 11.06 min Scan# 598  
Delta R.T. -0.02 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion:225 Resp: 3518  
Ion Ratio Lower Upper  
225 100  
223 62.8 49.7 74.5  
227 64.4 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

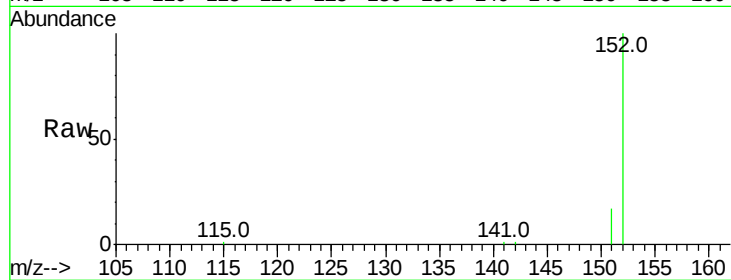
SSTDCCC0.4EC

Tot Ion:152 Resp: 15400

Ion Ratio Lower Upper

152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

10000

8000

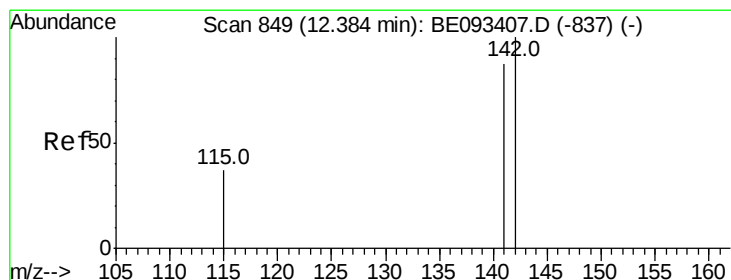
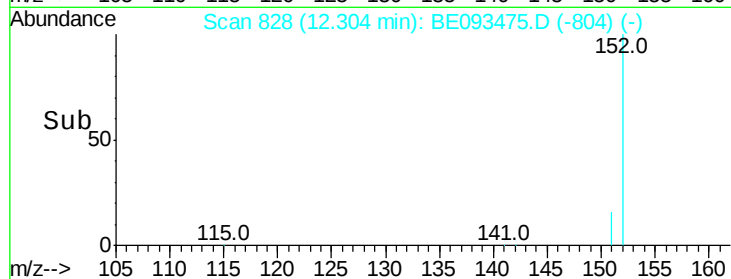
6000

4000

2000

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.401 ng

RT: 12.38 min Scan# 847

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

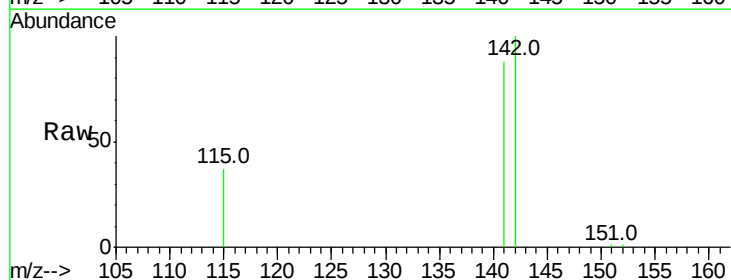
Tgt Ion:142 Resp: 16843

Ion Ratio Lower Upper

142 100

141 88.5 72.6 108.8

115 37.1 32.2 48.2



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

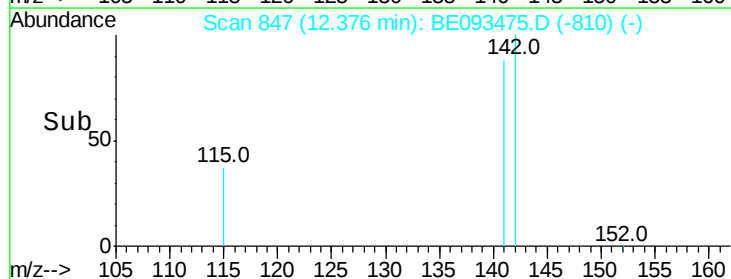
12.38

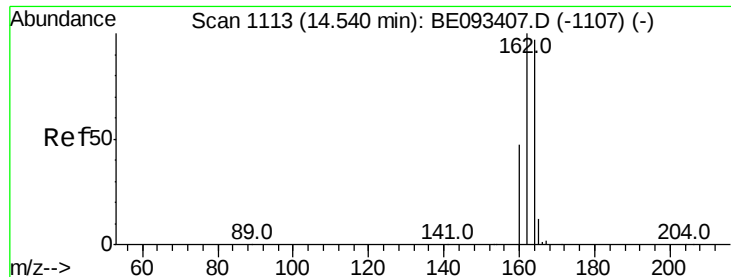
10000

5000

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

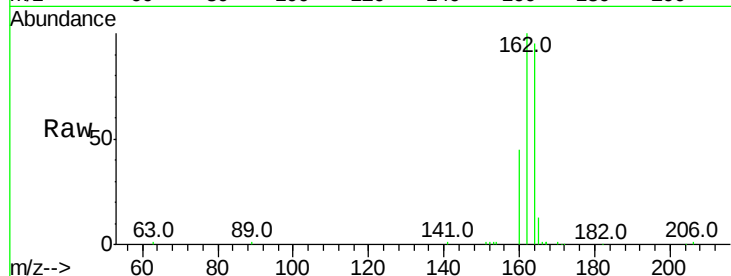
Tot Ion:164 Resp: 15287

Ion Ratio Lower Upper

164 100

162 104.8 84.6 127.0

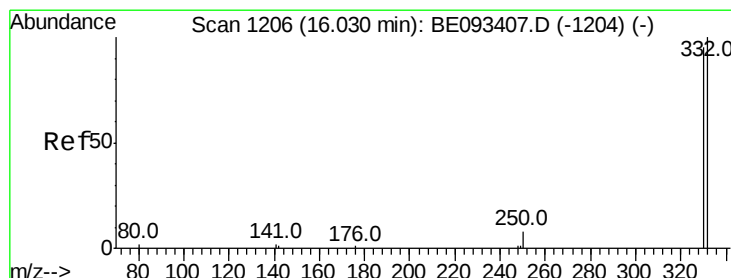
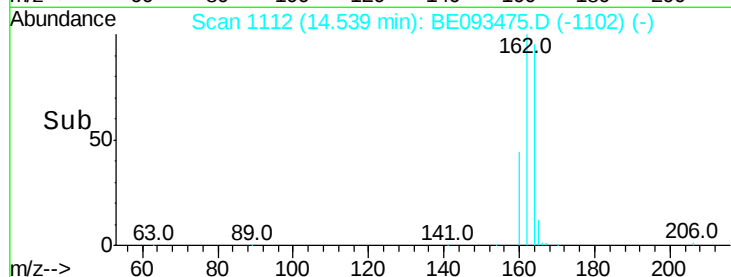
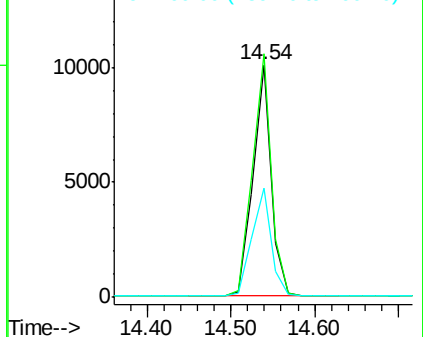
160 46.9 41.8 62.6



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: 0.237 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

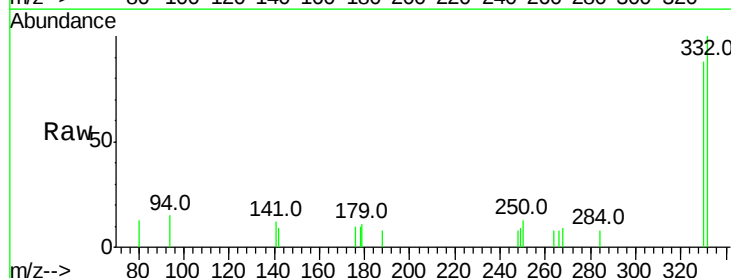
Tgt Ion:330 Resp: 1138

Ion Ratio Lower Upper

330 100

332 109.5 77.7 116.5

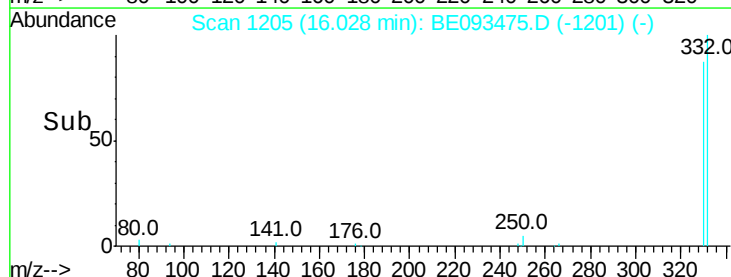
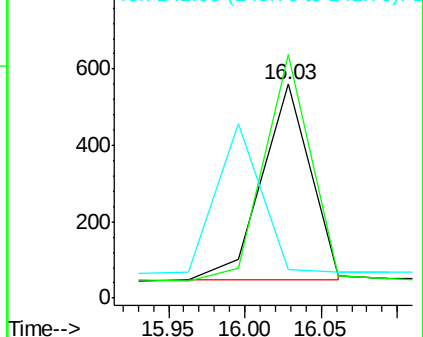
141 0.0 56.2 84.4#

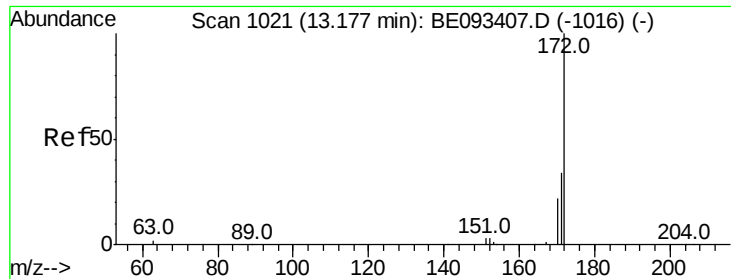


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

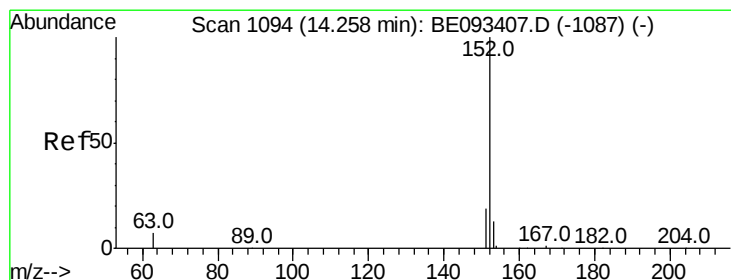
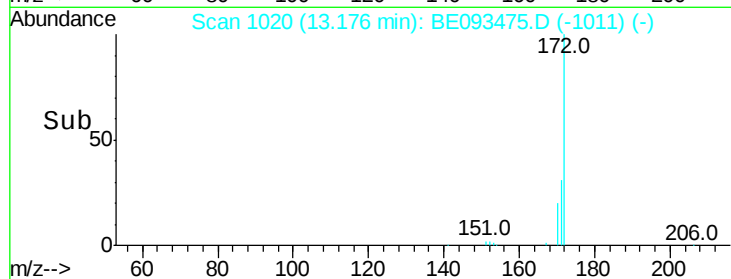
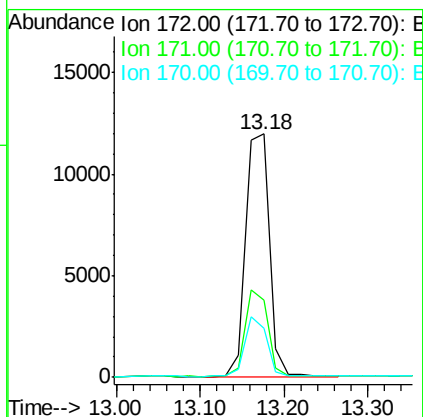
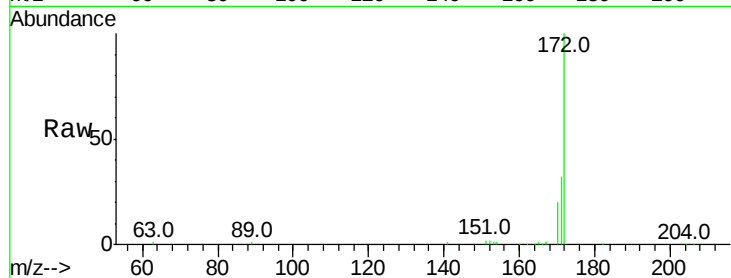




#15  
2-Fluorobiphenyl  
Concen: 0.393 ng  
RT: 13.18 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

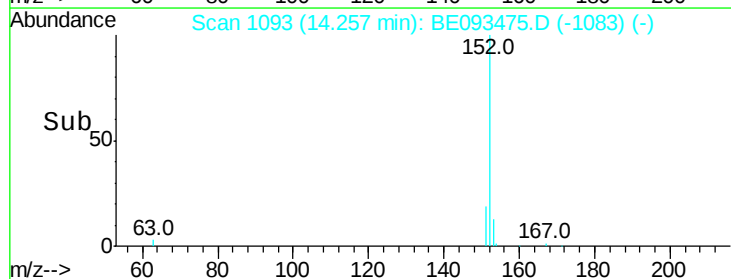
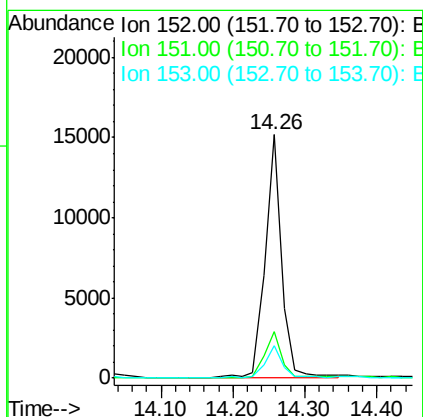
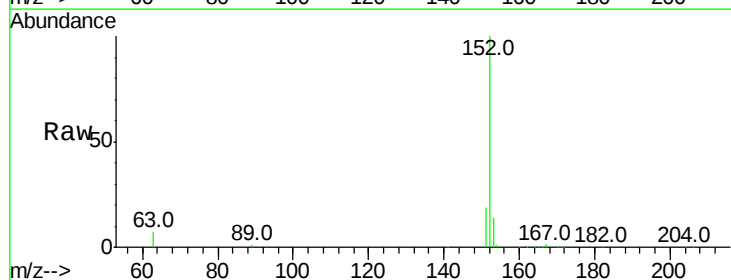
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

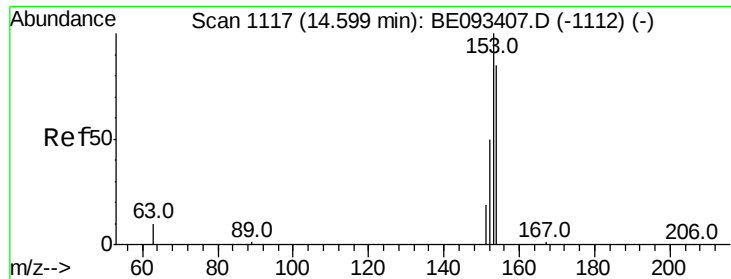
Tot Ion:172 Resp: 23350  
Ion Ratio Lower Upper  
172 100  
171 31.6 29.8 44.6  
170 20.3 20.7 31.1#



#16  
Acenaphthylene  
Concen: 0.381 ng  
RT: 14.26 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion:152 Resp: 24271  
Ion Ratio Lower Upper  
152 100  
151 19.1 4.0 6.0#  
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 0.383 ng

RT: 14.60 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

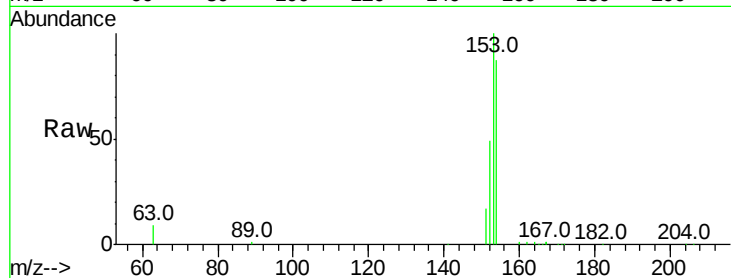
Tot Ion:154 Resp: 17865

Ion Ratio Lower Upper

154 100

153 115.0 91.2 136.8

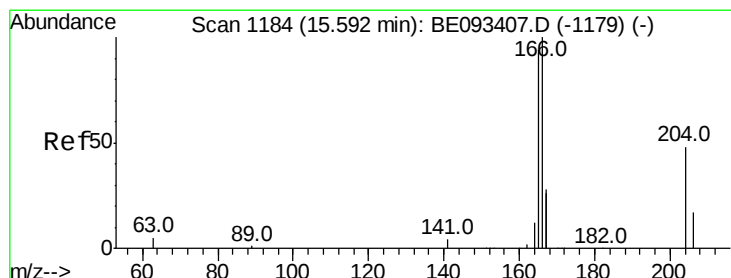
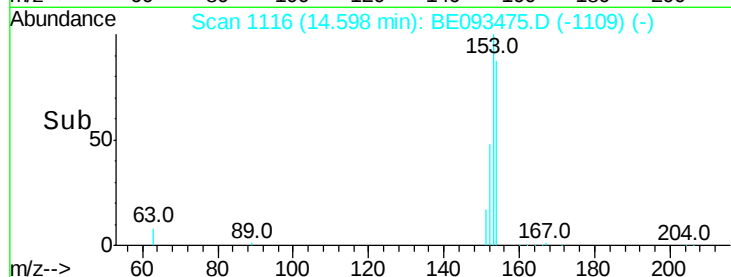
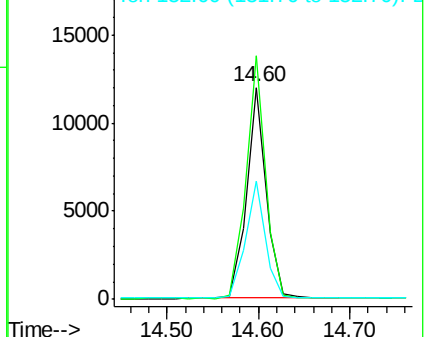
152 56.3 44.8 67.2



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: 0.362 ng

RT: 15.58 min Scan# 1182

Delta R.T. -0.02 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

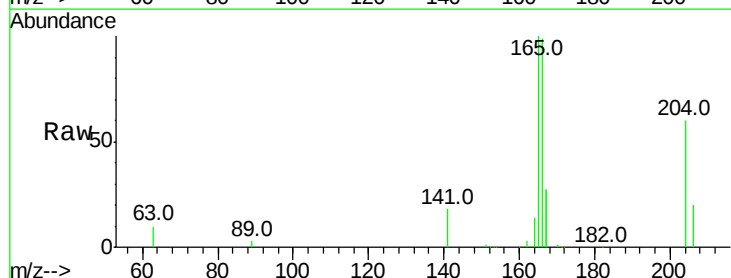
Tgt Ion:166 Resp: 23142

Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

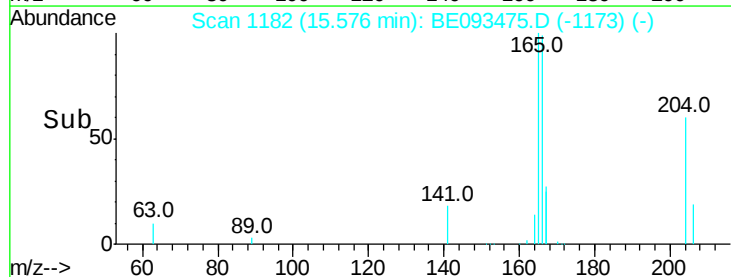
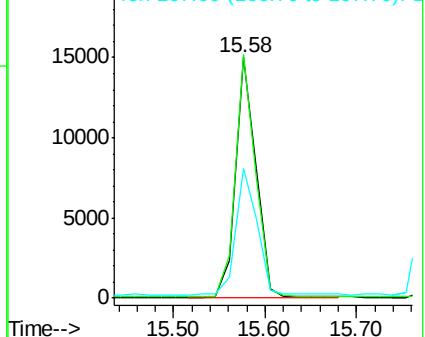
167 54.7 11.1 16.7#

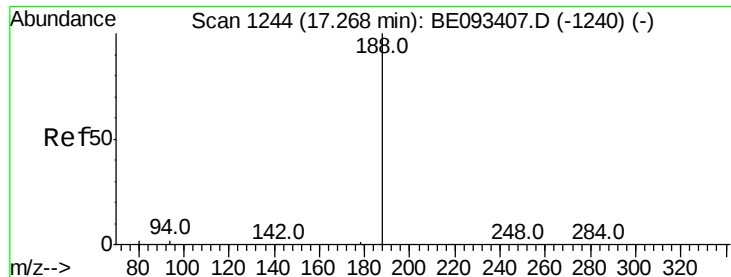


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

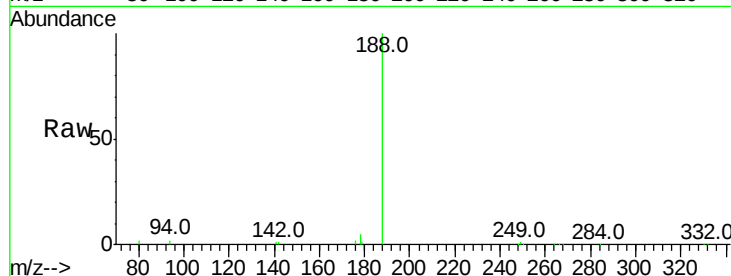
Tot Ion:188 Resp: 29399

Ion Ratio Lower Upper

188 100

94 2.1 11.3 16.9#

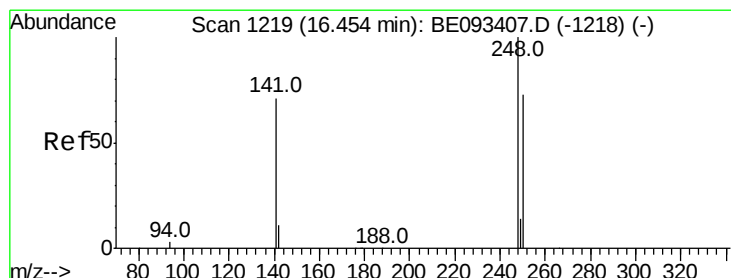
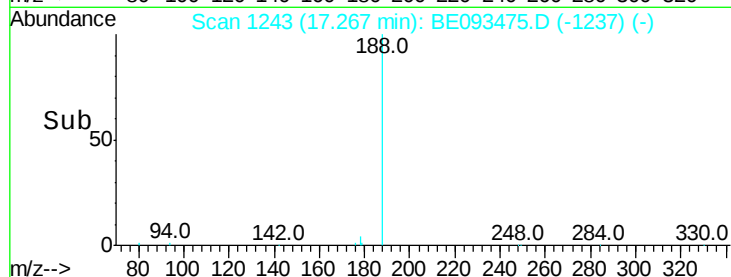
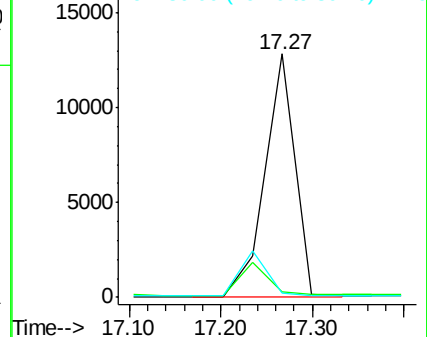
80 1.6 11.7 17.5#



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: 0.577 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

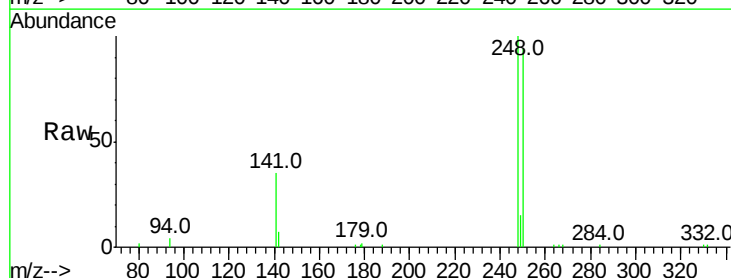
Tgt Ion:248 Resp: 9305

Ion Ratio Lower Upper

248 100

250 93.8 40.8 61.2#

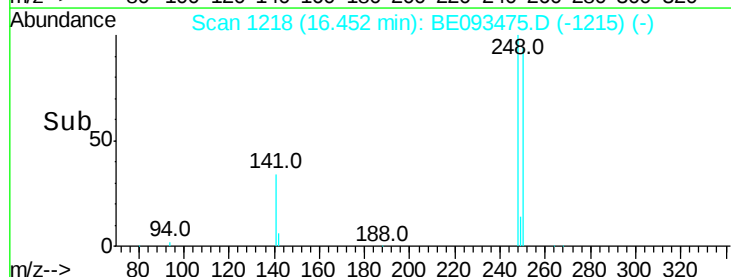
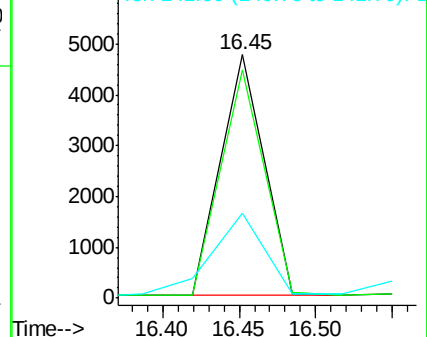
141 34.7 161.6 242.4#

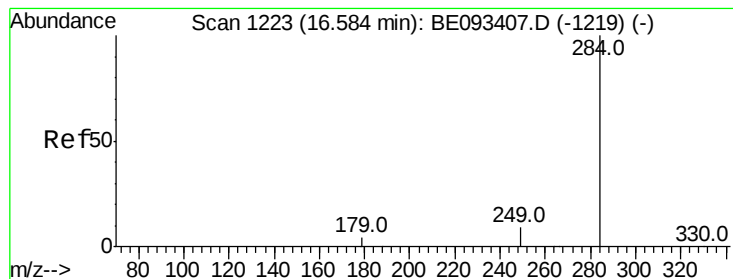


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.521 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

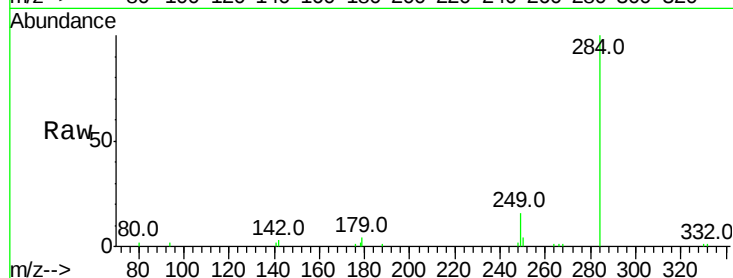
Tot Ion:284 Resp: 9059

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

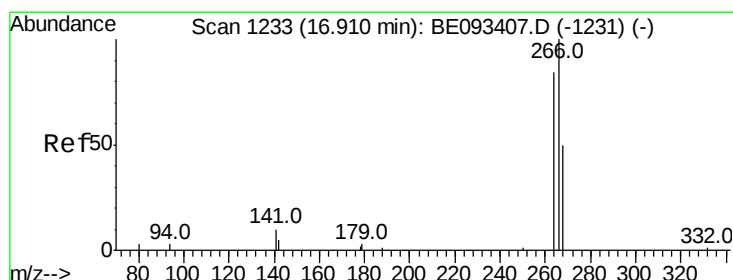
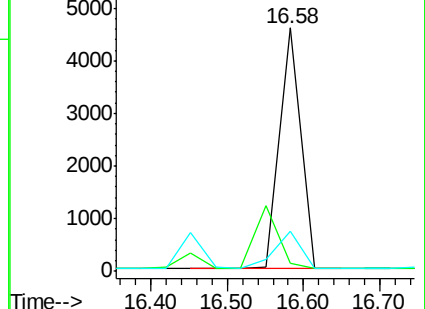
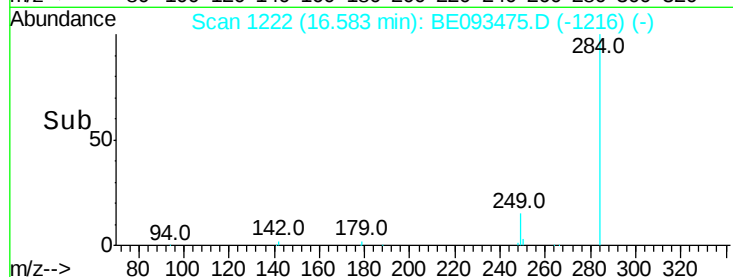
249 18.3 0.0 0.0#



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: 0.595 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

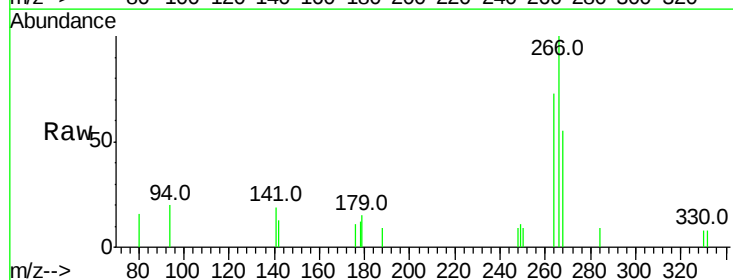
Tgt Ion:266 Resp: 1346

Ion Ratio Lower Upper

266 100

264 73.4 58.2 87.2

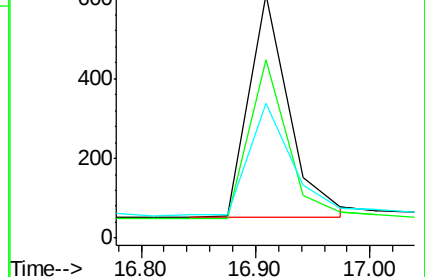
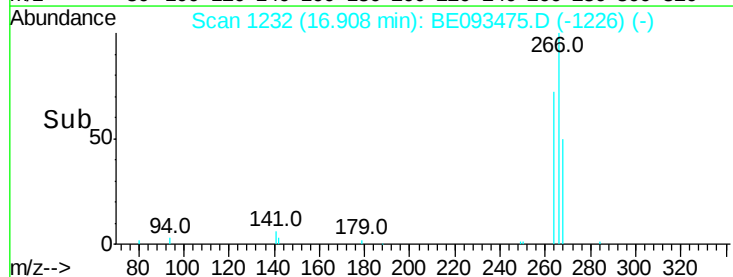
268 55.4 71.9 107.9#

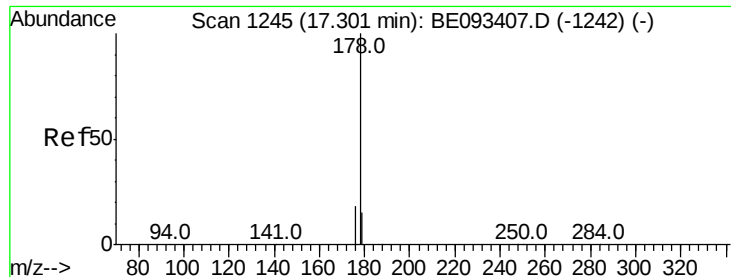


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

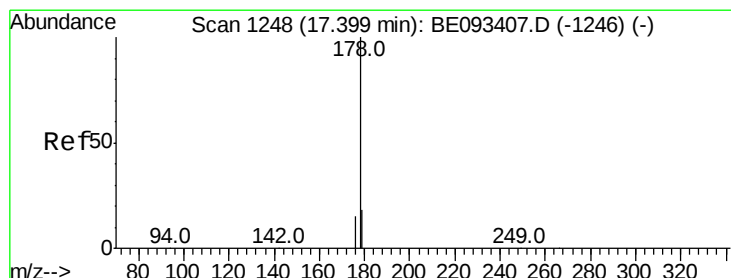
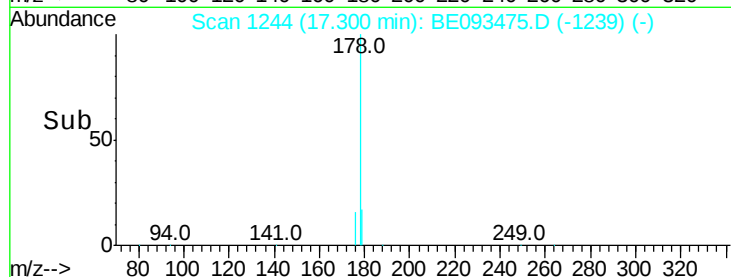
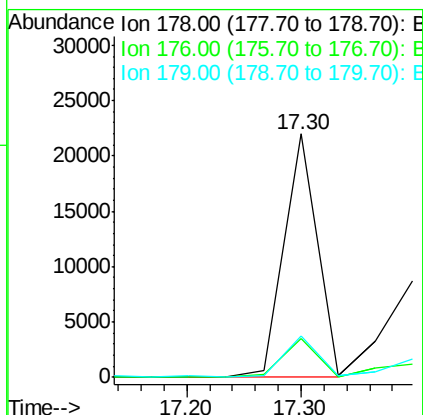
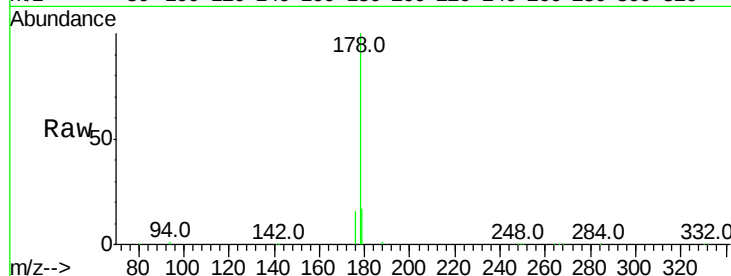




#23  
Phenanthrene  
Concen: 0.414 ng  
RT: 17.30 min Scan# 1244  
Delta R.T. -0.00 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

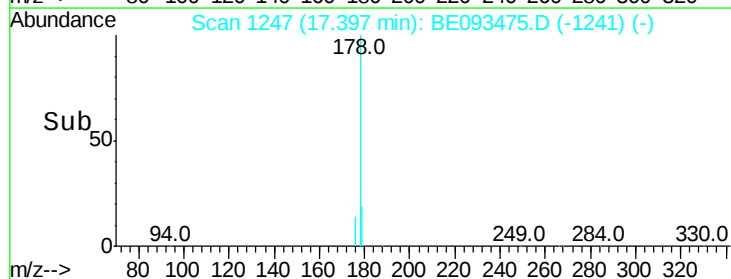
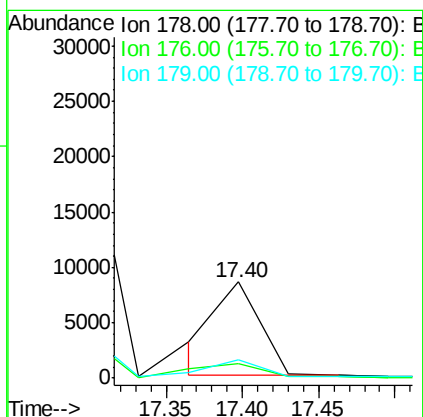
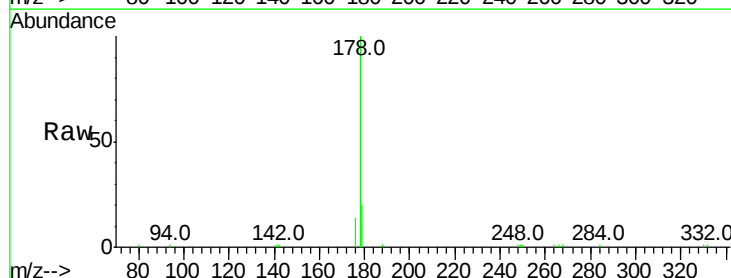
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

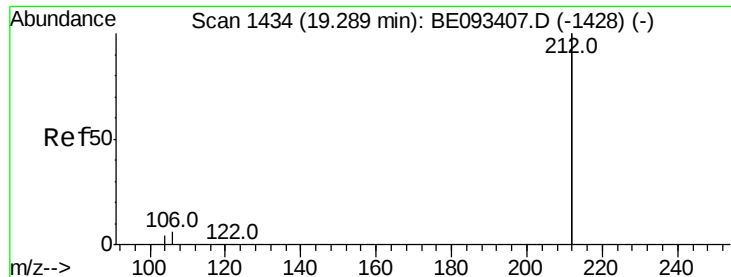
Tot Ion:178 Resp: 44206  
Ion Ratio Lower Upper  
178 100  
176 16.3 15.0 22.4  
179 16.7 12.7 19.1



#24  
Anthracene  
Concen: 0.257 ng  
RT: 17.40 min Scan# 1247  
Delta R.T. -0.00 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion:178 Resp: 16853  
Ion Ratio Lower Upper  
178 100  
176 0.0 14.6 22.0#  
179 18.5 12.0 18.0#

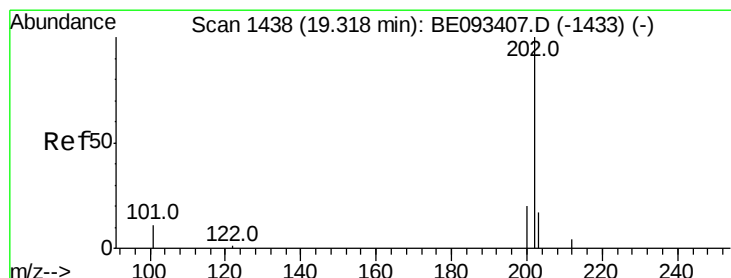
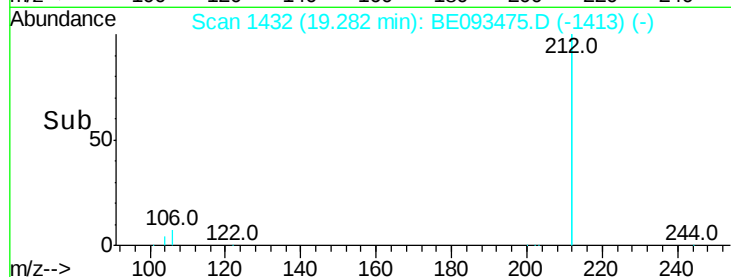
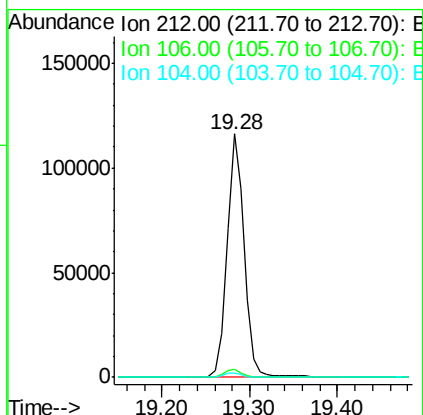
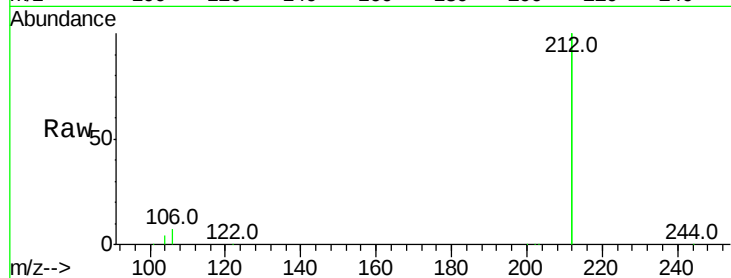




#25  
 Fluoranthene-d10  
 Concen: 0.443 ng  
 RT: 19.28 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BE093475.D  
 Acq: 14 Jul 2017 18:37

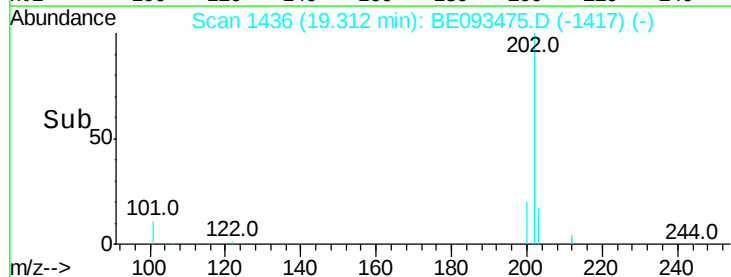
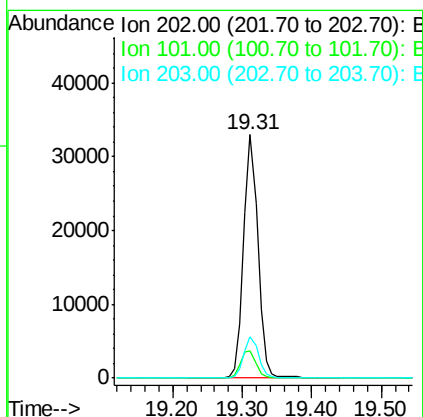
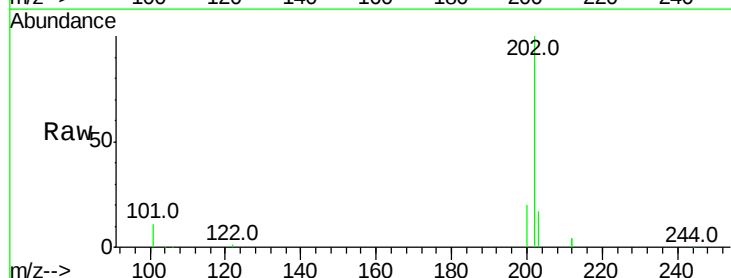
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

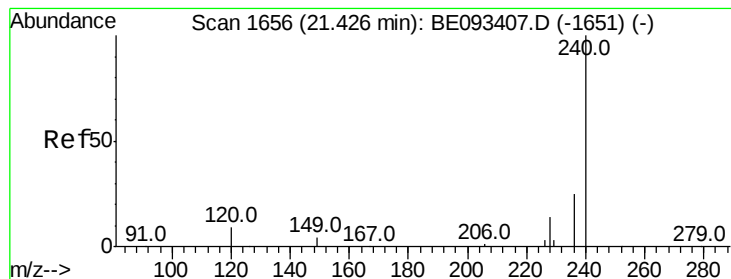
Tot Ion:212 Resp: 157182  
 Ion Ratio Lower Upper  
 212 100  
 106 3.5 2.4 3.6  
 104 1.9 1.6 2.4



#26  
 Fluoranthene  
 Concen: 0.447 ng  
 RT: 19.31 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BE093475.D  
 Acq: 14 Jul 2017 18:37

Tgt Ion:202 Resp: 44897  
 Ion Ratio Lower Upper  
 202 100  
 101 12.0 9.6 14.4  
 203 16.9 14.4 21.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

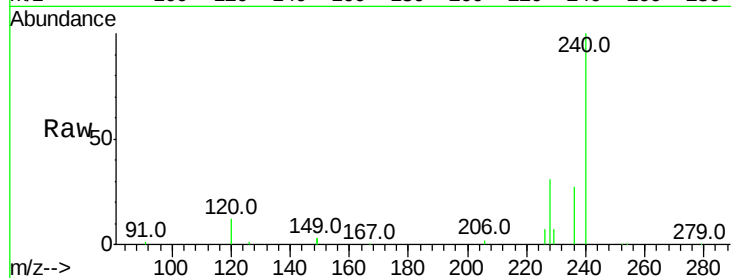
Tot Ion:240 Resp: 39078

Ion Ratio Lower Upper

240 100

120 11.8 4.6 7.0#

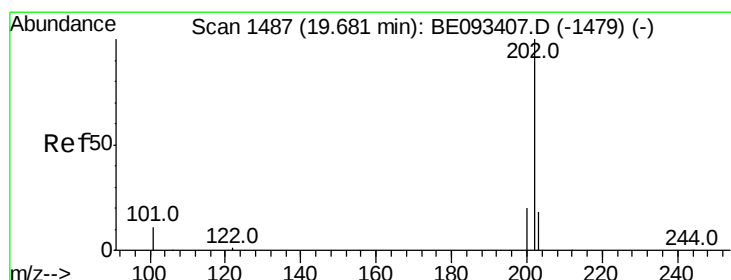
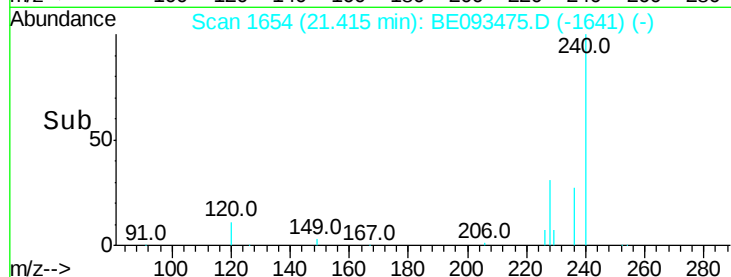
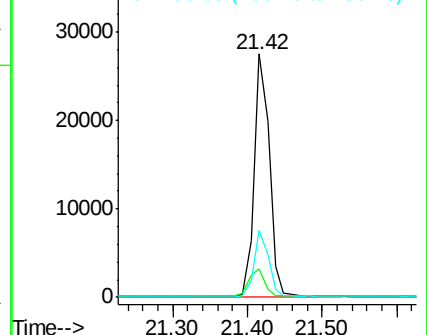
236 27.3 20.8 31.2



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: 0.413 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

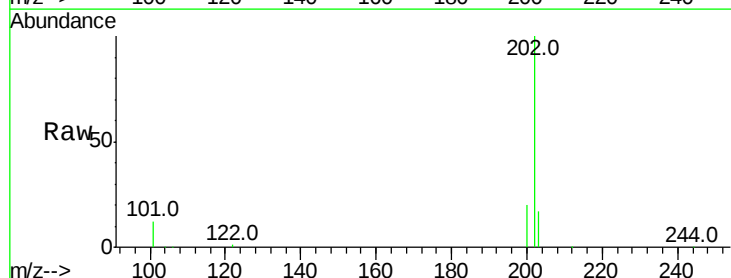
Tgt Ion:202 Resp: 45334

Ion Ratio Lower Upper

202 100

200 20.7 0.0 0.0#

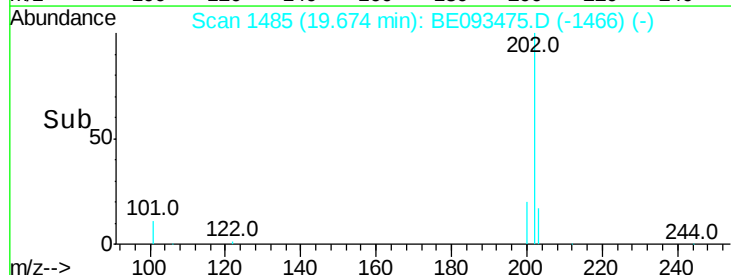
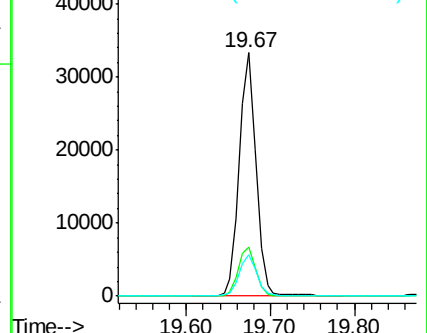
203 17.2 13.7 20.5

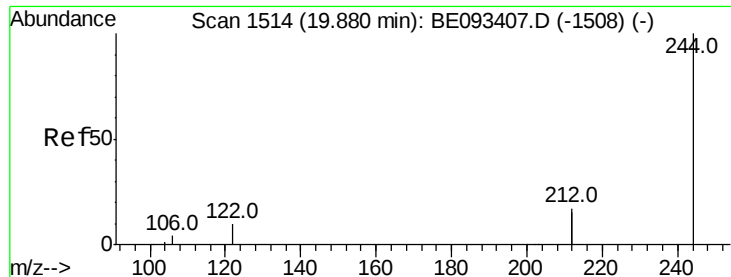


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.403 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

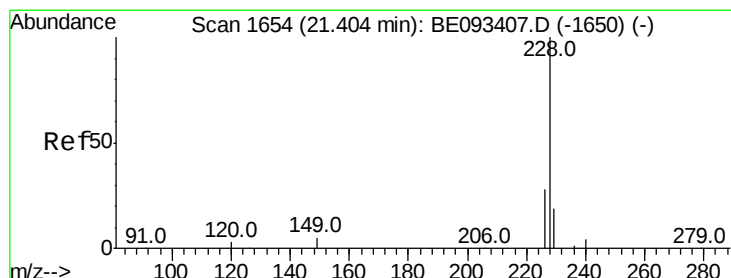
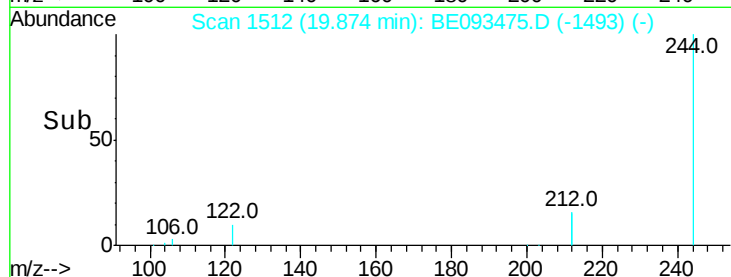
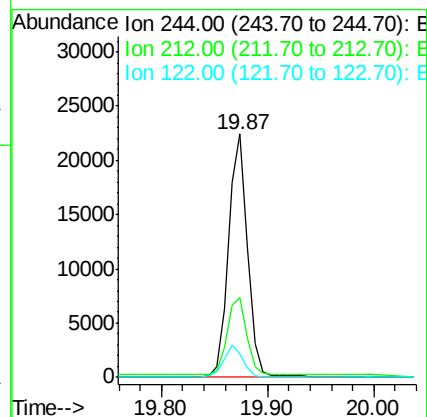
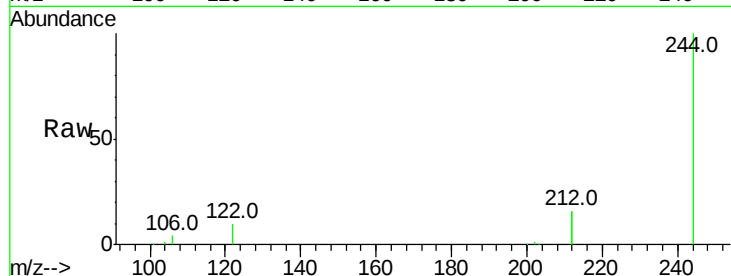
Tot Ion:244 Resp: 28147

Ion Ratio Lower Upper

244 100

212 32.5 10.6 16.0#

122 9.8 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.370 ng

RT: 21.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

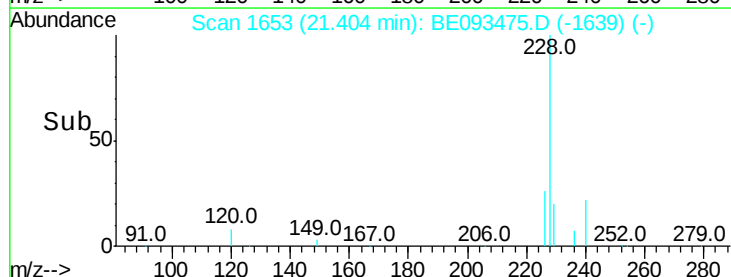
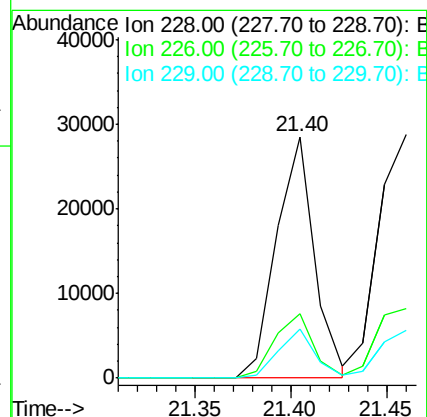
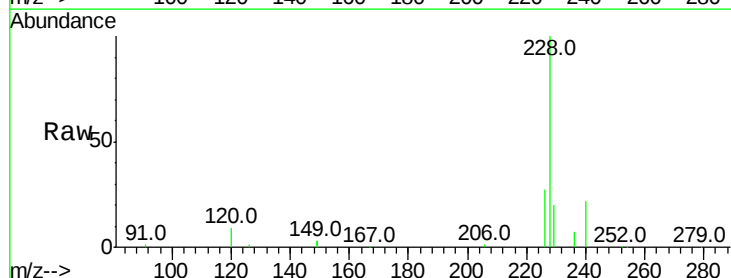
Tgt Ion:228 Resp: 39029

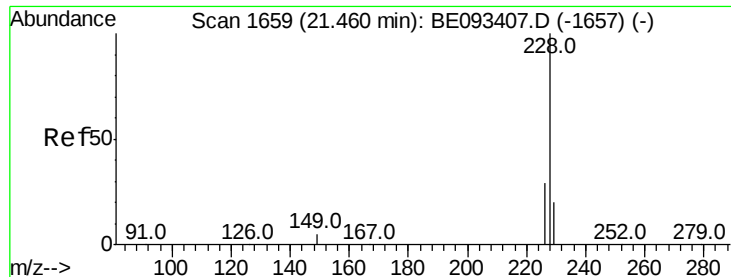
Ion Ratio Lower Upper

228 100

226 26.6 19.7 29.5

229 20.3 19.2 28.8





#31

Chrysene

Concen: 0.394 ng

RT: 21.46 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

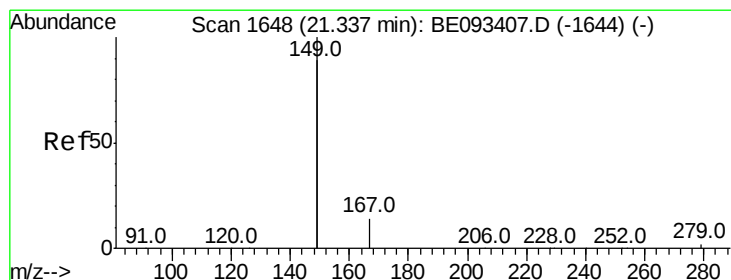
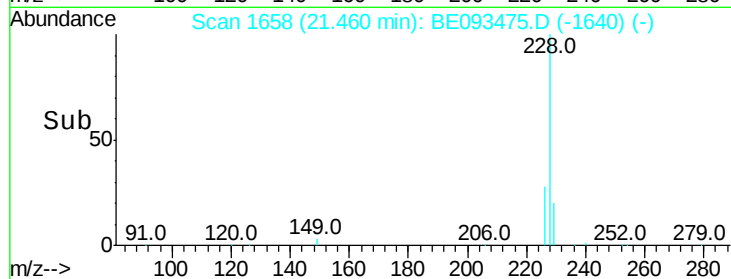
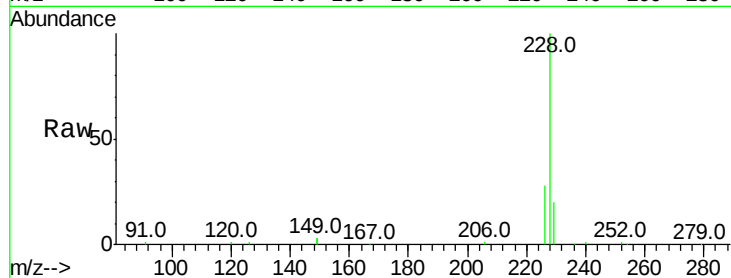
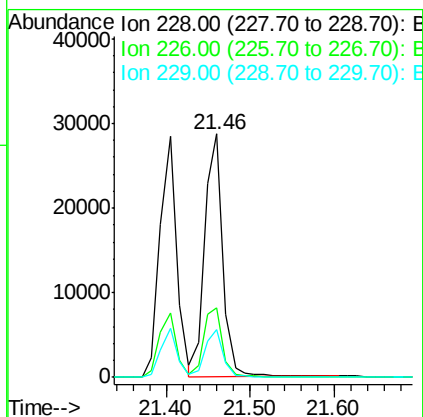
BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 43426

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.3  | 21.5  | 32.3  |
| 229 | 19.7  | 18.6  | 28.0  |



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.351 ng

RT: 21.33 min Scan# 1646

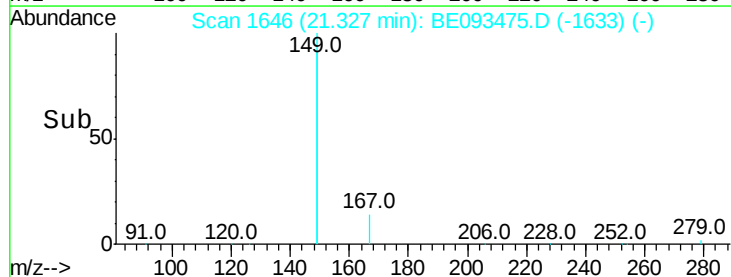
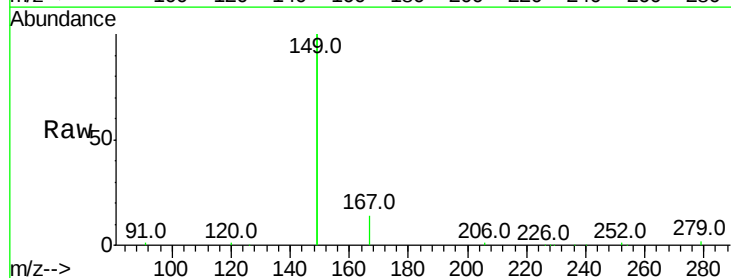
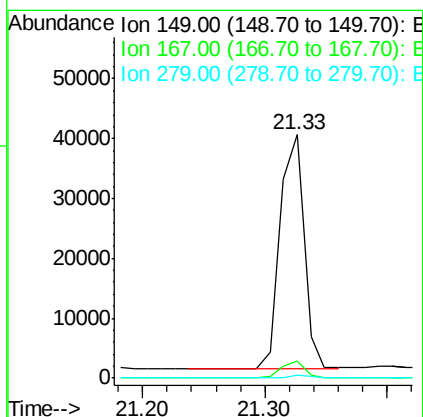
Delta R.T. -0.01 min

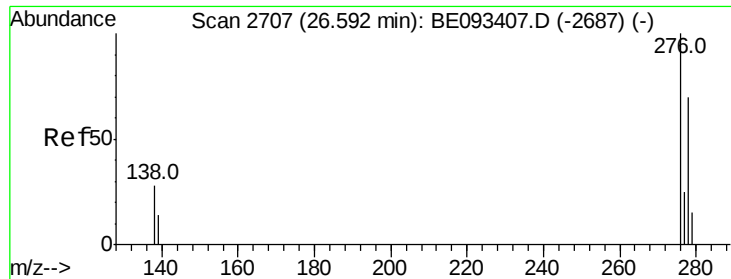
Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Tgt Ion:149 Resp: 53392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.7   | 20.1  | 30.1# |
| 279 | 0.9   | 2.2   | 3.4#  |

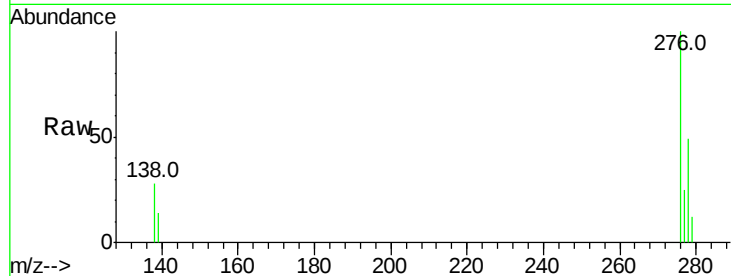




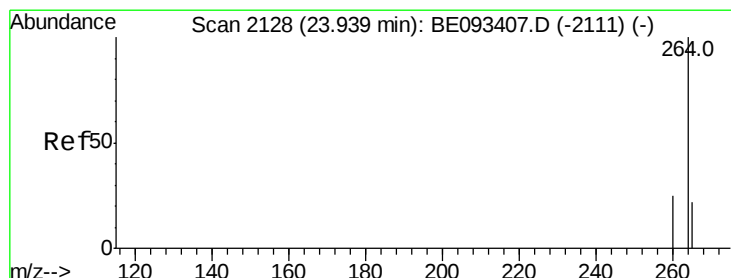
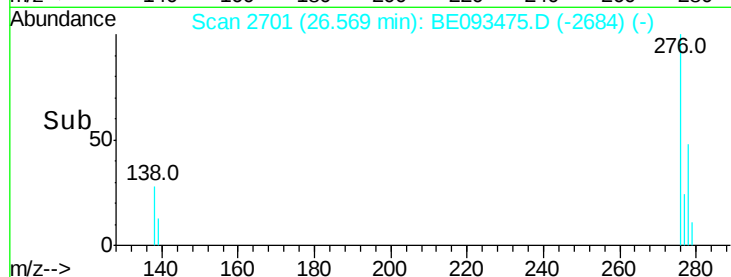
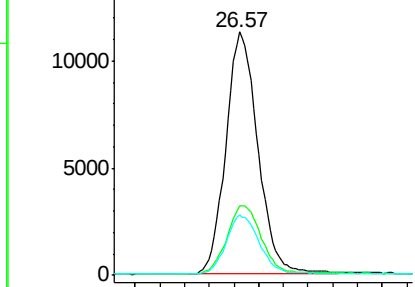
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.420 ng  
RT: 26.57 min Scan# 2701  
Delta R.T. -0.02 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tot Ion:276 Resp: 40705  
Ion Ratio Lower Upper  
276 100  
138 30.0 27.4 41.2  
277 25.1 20.1 30.1

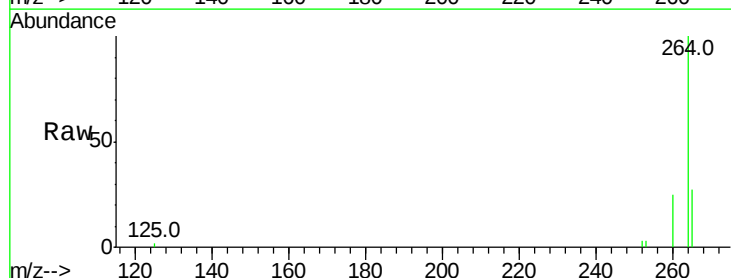


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

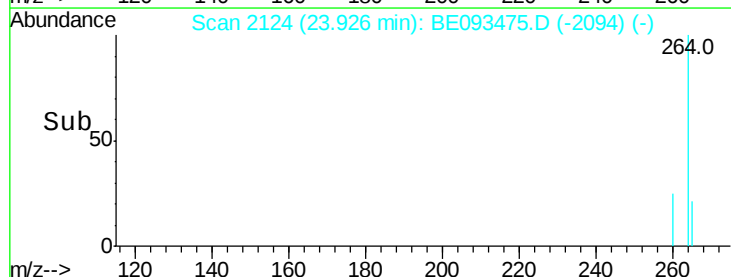
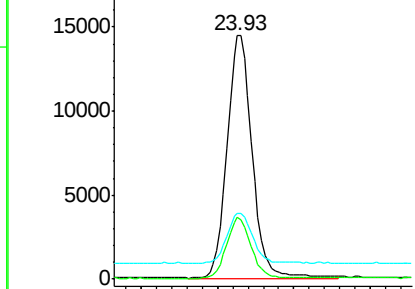


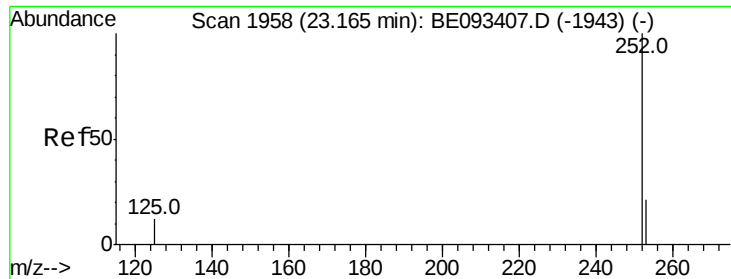
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.93 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion:264 Resp: 33164  
Ion Ratio Lower Upper  
264 100  
260 25.3 21.0 31.4  
265 27.2 24.6 36.8



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: 0.387 ng

RT: 23.16 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

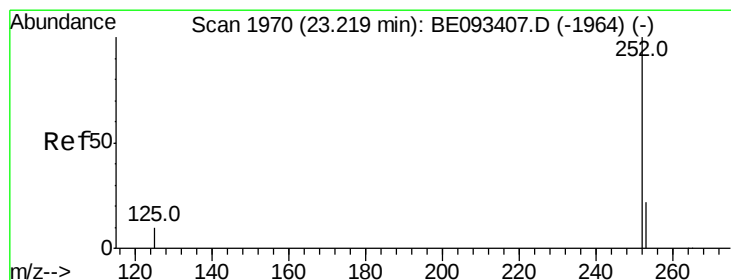
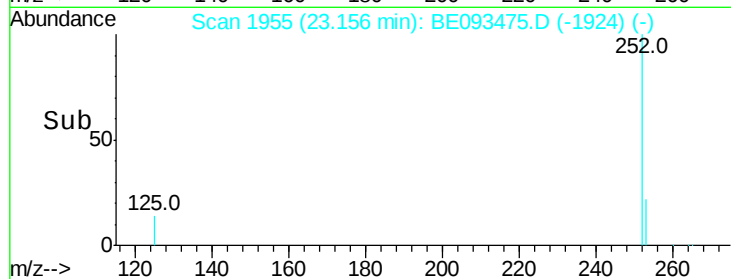
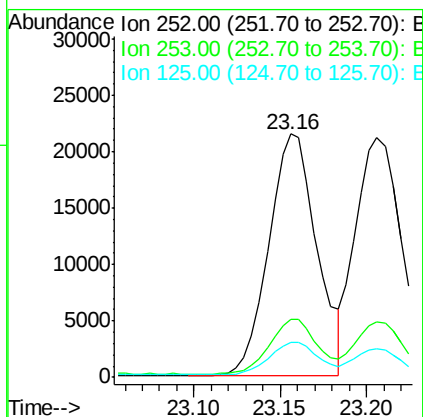
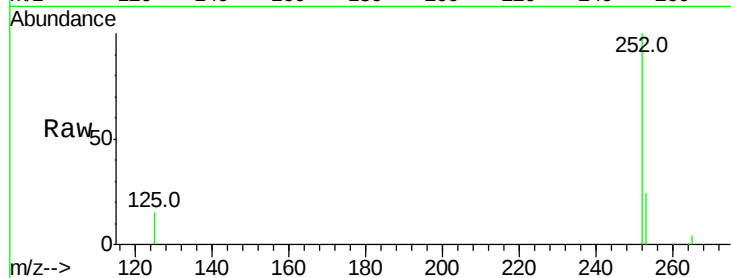
Tot Ion:252 Resp: 41468

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

125 14.6 13.4 20.0



#36

Benzo(k)fluoranthene

Concen: 0.391 ng

RT: 23.16 min Scan# 1955

Delta R.T. -0.06 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

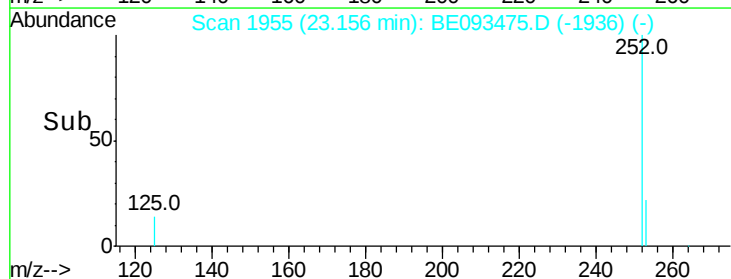
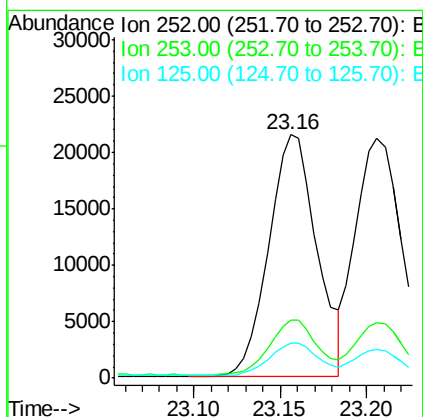
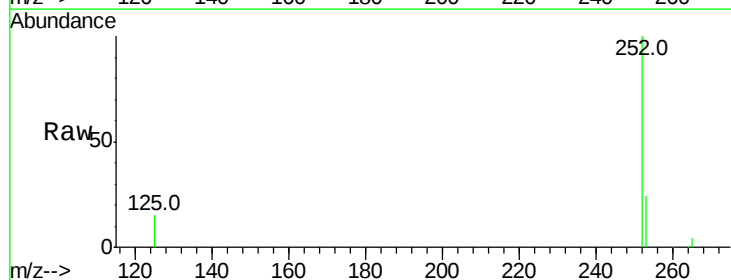
Tgt Ion:252 Resp: 41468

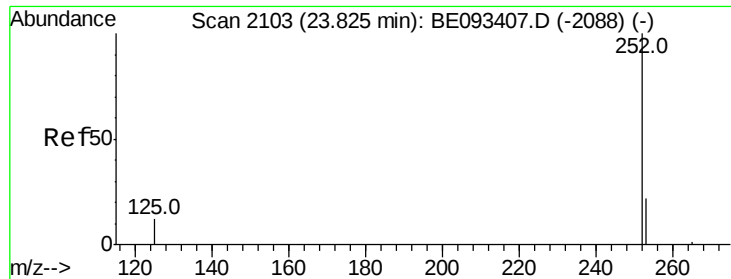
Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

125 14.6 12.2 18.4

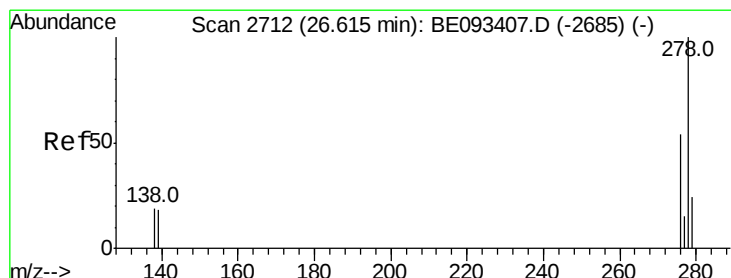
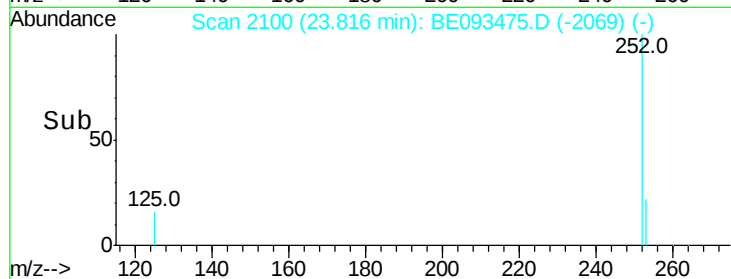
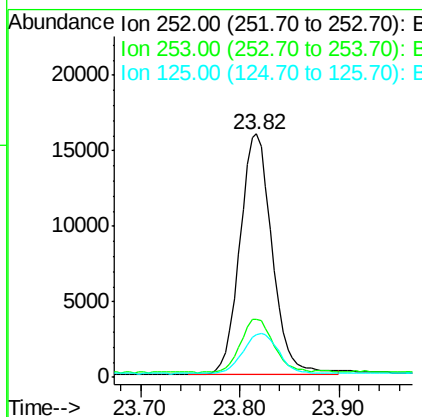
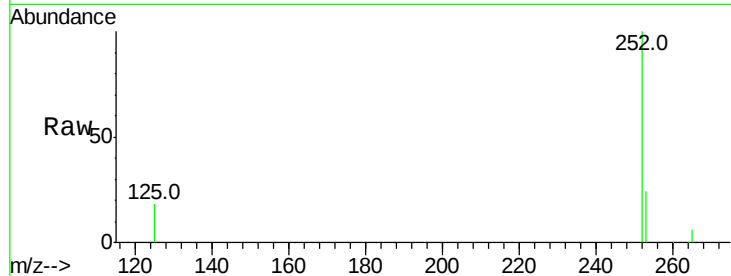




#37  
Benzo(a)pyrene  
Concen: 0.386 ng  
RT: 23.82 min Scan# 2100  
Delta R.T. -0.01 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

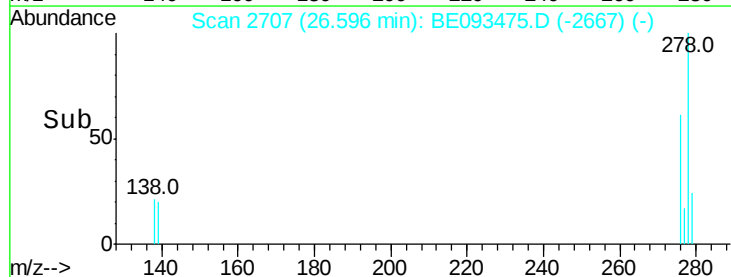
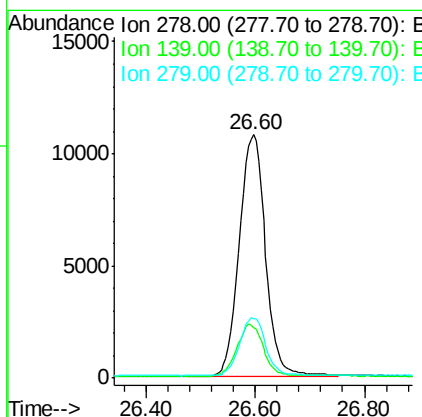
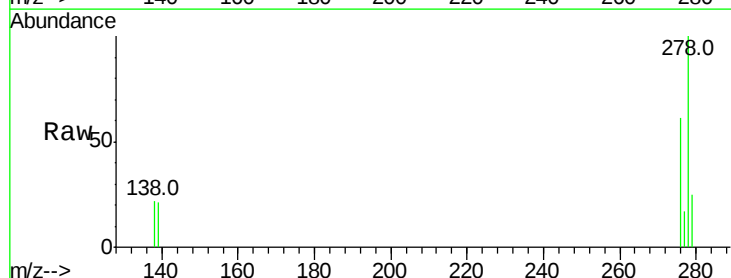
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

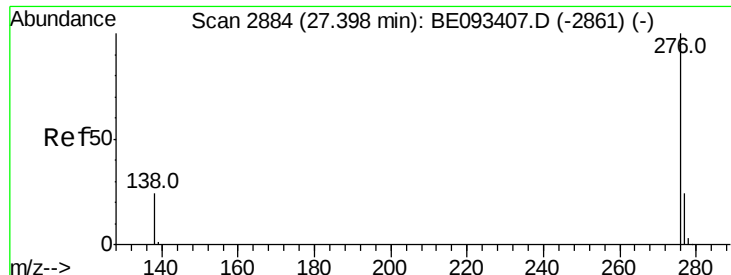
Tot Ion:252 Resp: 36206  
Ion Ratio Lower Upper  
252 100  
253 23.9 19.9 29.9  
125 17.7 14.6 21.8



#38  
Dibenzo(a,h)anthracene  
Concen: 0.398 ng  
RT: 26.60 min Scan# 2707  
Delta R.T. -0.02 min  
Lab File: BE093475.D  
Acq: 14 Jul 2017 18:37

Tgt Ion:278 Resp: 36275  
Ion Ratio Lower Upper  
278 100  
139 20.7 21.4 32.0#  
279 24.6 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 27.38 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BE093475.D

Acq: 14 Jul 2017 18:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

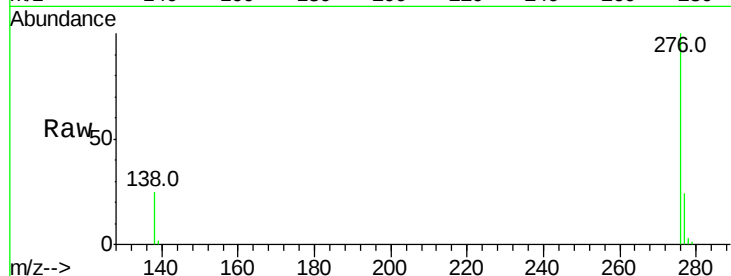
Tot Ion:276 Resp: 35775

Ion Ratio Lower Upper

276 100

277 23.9 21.2 31.8

138 24.9 24.5 36.7



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

