

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121618\  
 Data File : BE098504.D  
 Acq On : 16 Dec 2018 13:14  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Dec 17 03:16:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 722      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 3027     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.51 | 164  | 1934     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.27 | 188  | 5619     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.46 | 240  | 7792     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.00 | 264  | 7354     | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.44  | 112 | 863   | 0.51 | ng | 0.00  |
| 5) Phenol-d6                | 7.04  | 99  | 1103  | 0.46 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 1035  | 0.38 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152 | 2033  | 0.41 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 16.01 | 330 | 426   | 0.60 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 3370  | 0.41 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.30 | 212 | 34652 | 0.48 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.90 | 244 | 6875  | 0.36 | ng | 0.00  |

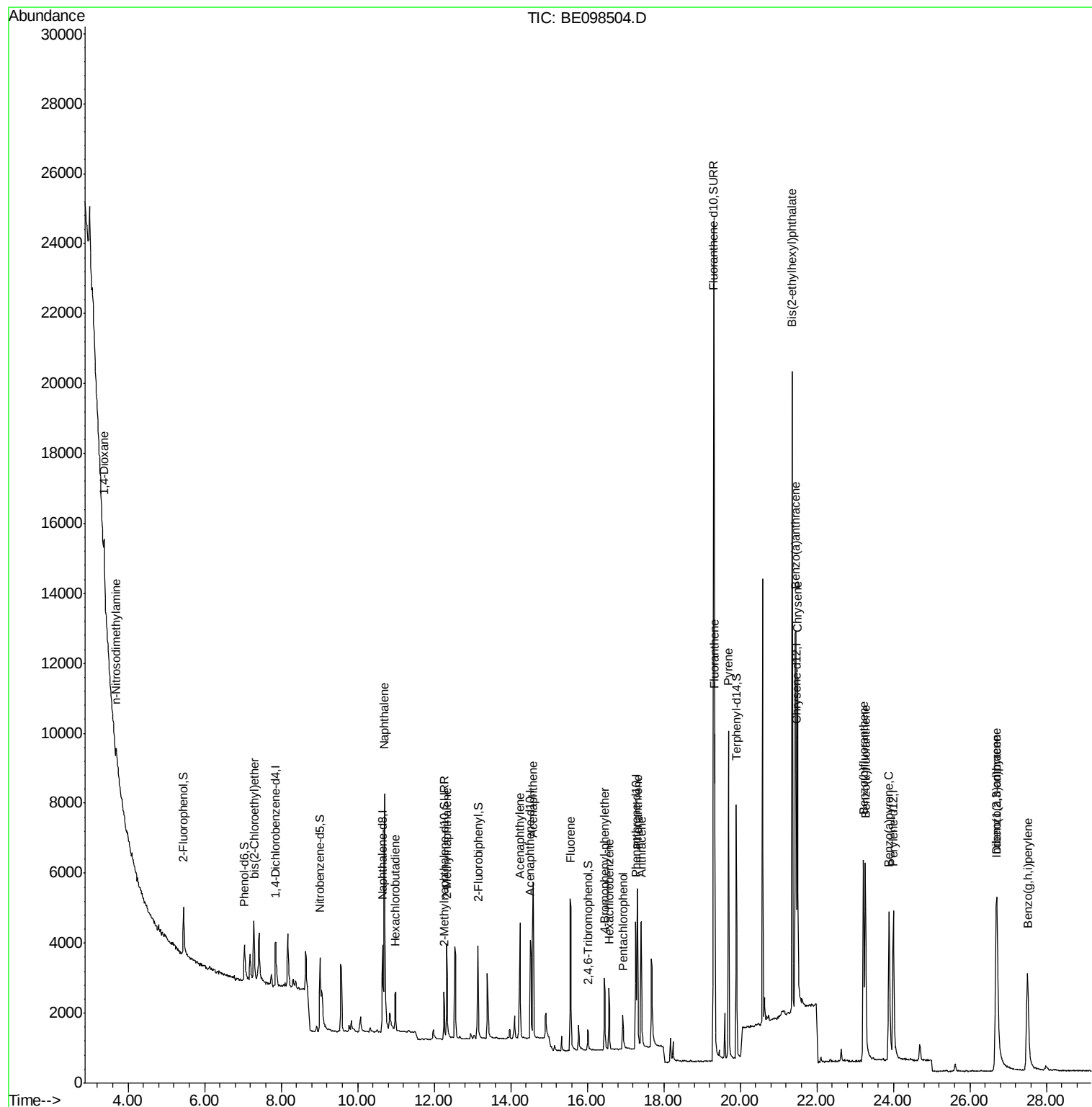
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 565   | 0.452  | ng | # 78  |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 509   | 0.453  | ng | # 100 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 884   | 0.389  | ng | 100   |
| 9) Naphthalene                 | 10.70 | 128 | 12274 | 0.403  | ng | # 98  |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 873   | 0.450  | ng | 97    |
| 12) 2-Methylnaphthalene        | 12.32 | 142 | 2134  | 0.431  | ng | 97    |
| 16) Acenaphthylene             | 14.24 | 152 | 3824  | 0.422  | ng | 100   |
| 17) Acenaphthene               | 14.59 | 154 | 2297  | 0.422  | ng | 95    |
| 18) Fluorene                   | 15.57 | 166 | 3164  | 0.434  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 1252  | 0.414  | ng | 93    |
| 21) Hexachlorobenzene          | 16.57 | 284 | 1394  | 0.429  | ng | 95    |
| 22) Pentachlorophenol          | 16.93 | 266 | 641   | 1.015  | ng | 94    |
| 23) Phenanthrene               | 17.31 | 178 | 5716  | 0.419  | ng | 99    |
| 24) Anthracene                 | 17.41 | 178 | 4976  | 0.409  | ng | 98    |
| 26) Fluoranthene               | 19.33 | 202 | 8620  | 0.477  | ng | 98    |
| 28) Pyrene                     | 19.69 | 202 | 9473  | 0.387  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.44 | 228 | 9674  | 0.436  | ng | 99    |
| 31) Chrysene                   | 21.50 | 228 | 9475  | 0.408  | ng | 100   |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 25070 | 0.556  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.69 | 276 | 9537  | 0.412  | ng | 97    |
| 35) Benzo(b)fluoranthene       | 23.22 | 252 | 8760  | 0.436  | ng | 96    |
| 36) Benzo(k)fluoranthene       | 23.27 | 252 | 9513  | 0.406  | ng | 98    |
| 37) Benzo(a)pyrene             | 23.88 | 252 | 8807  | 0.424  | ng | 99    |
| 38) Dibenzo(a,h)anthracene     | 26.71 | 278 | 7526  | 0.385  | ng | 99    |
| 39) Benzo(g,h,i)perylene       | 27.50 | 276 | 8212  | 0.417  | ng | 99    |

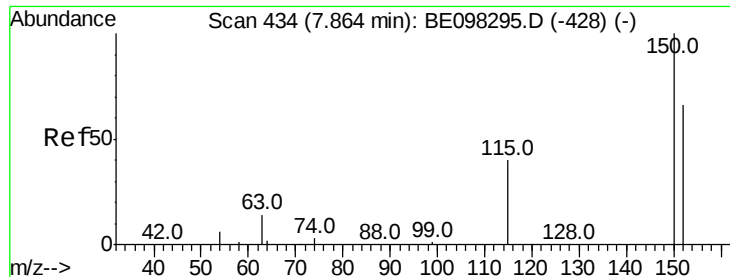
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121618\  
Data File : BE098504.D  
Acq On : 16 Dec 2018 13:14  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Dec 17 03:16:01 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 10 14:59:55 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

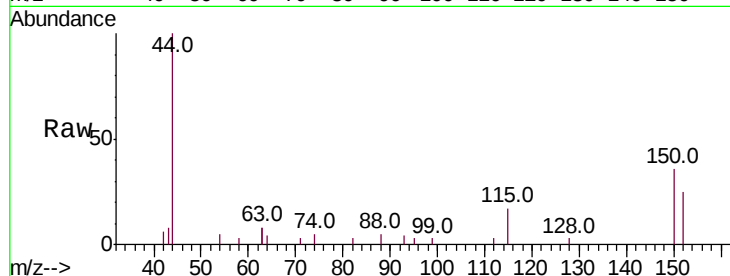
Tot Ion:152 Resp: 722

Ion Ratio Lower Upper

152 100

150 144.7 124.2 186.4

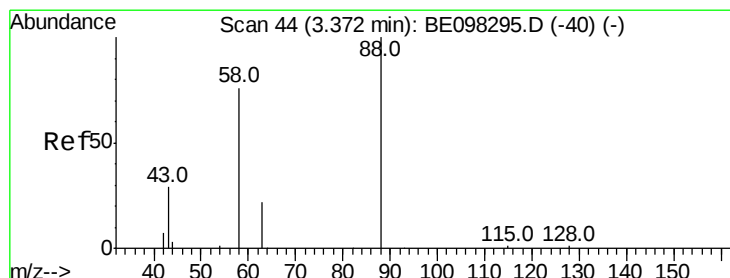
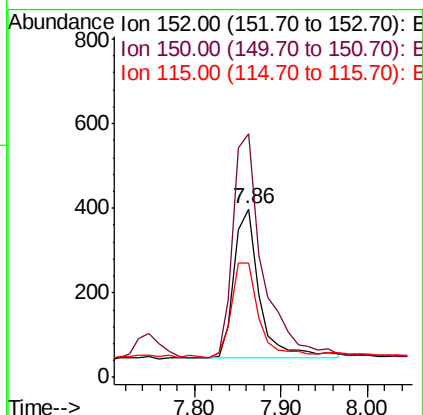
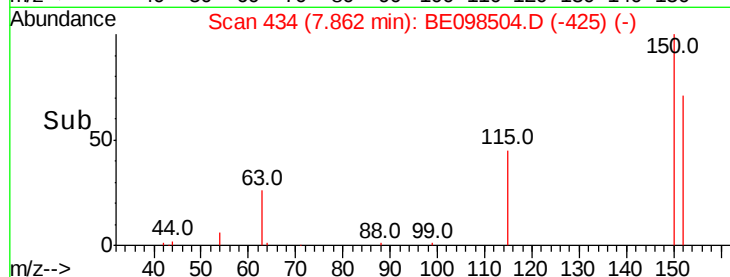
115 68.1 53.9 80.9



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: 0.452 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

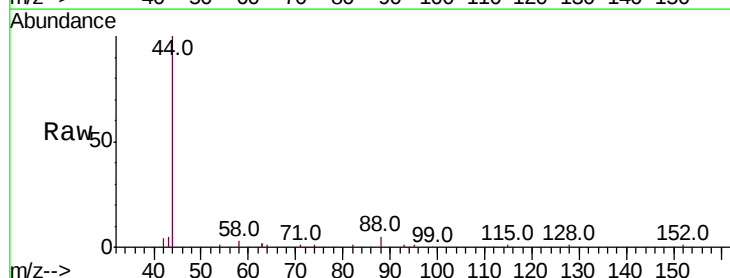
Tgt Ion: 88 Resp: 565

Ion Ratio Lower Upper

88 100

58 78.9 75.0 112.6

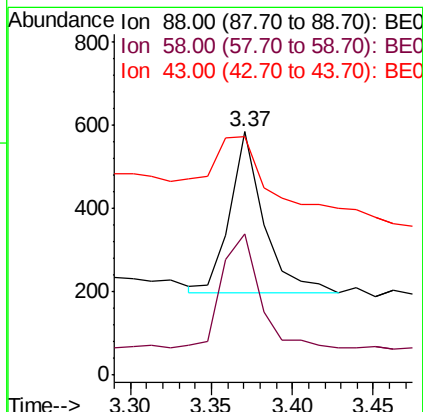
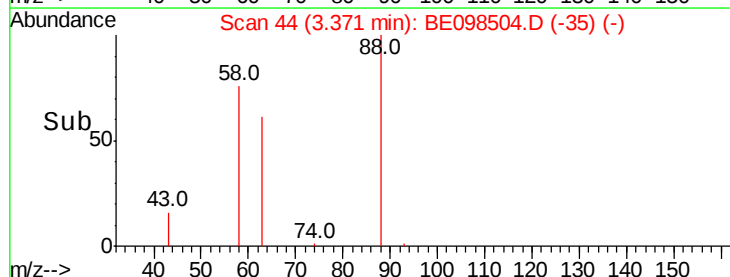
43 71.2 38.3 57.5#

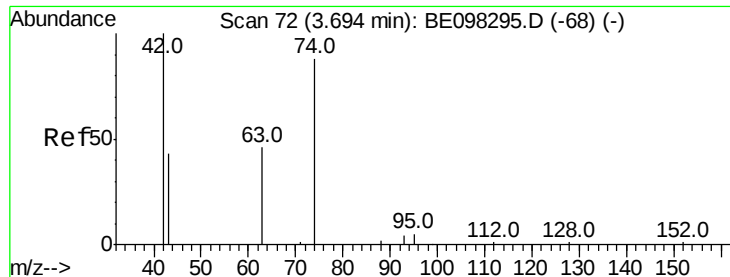


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.453 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

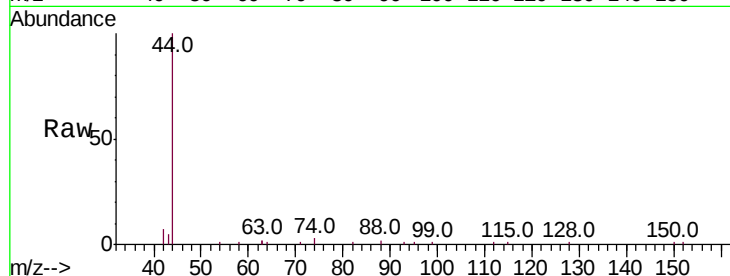
Tot Ion: 42 Resp: 509

Ion Ratio Lower Upper

42 100

74 78.0 0.0 0.0#

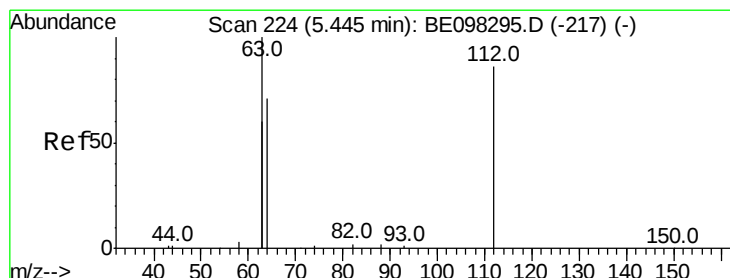
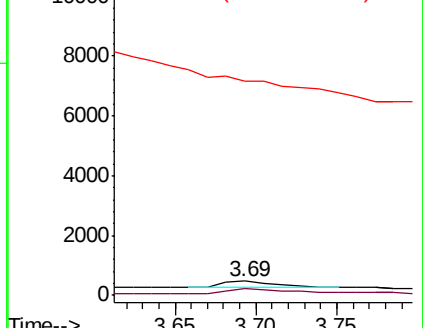
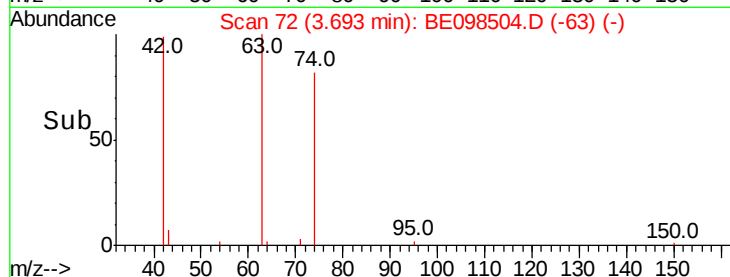
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.511 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

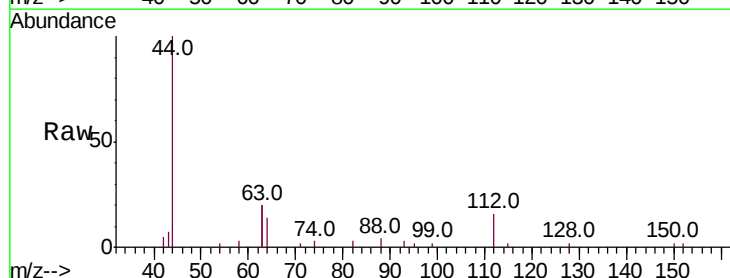
Tgt Ion: 112 Resp: 863

Ion Ratio Lower Upper

112 100

64 70.3 59.8 89.8

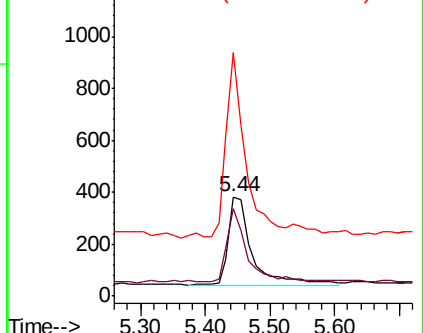
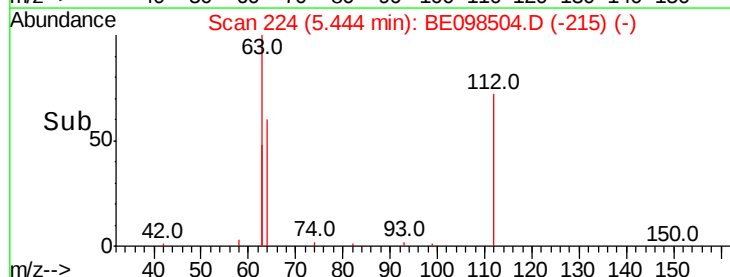
63 173.5 133.7 200.5

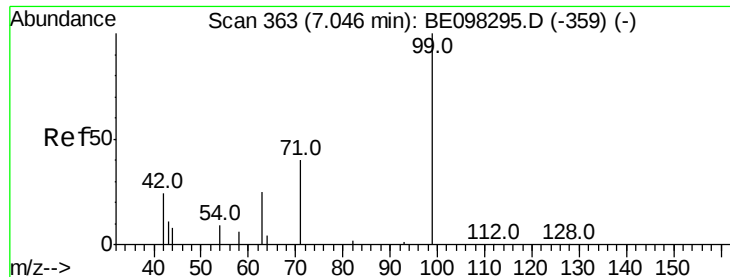


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.461 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

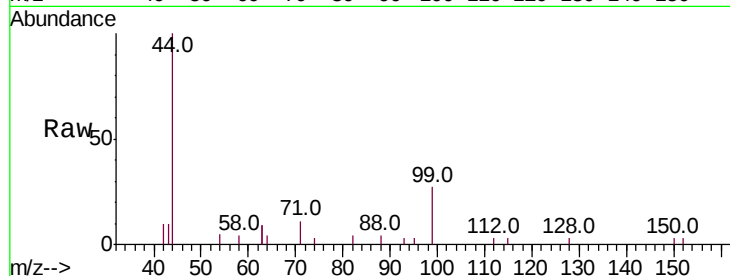
Tot Ion: 99 Resp: 1103

Ion Ratio Lower Upper

99 100

42 37.2 26.3 39.5

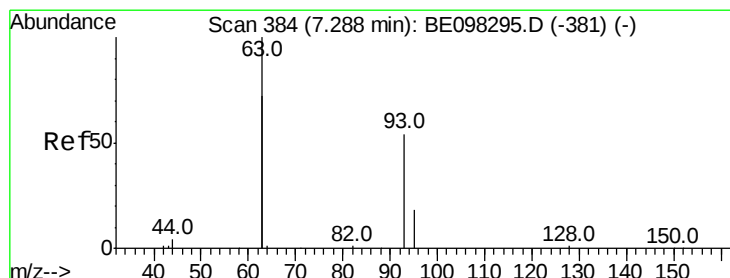
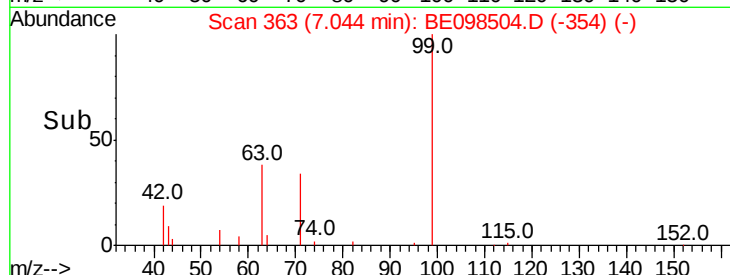
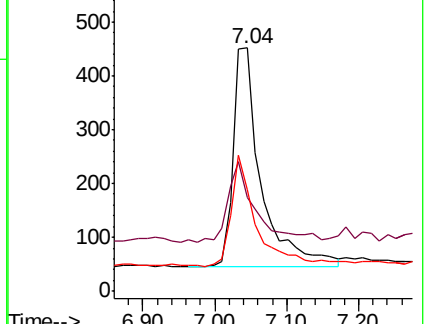
71 45.9 33.6 50.4



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: 0.389 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

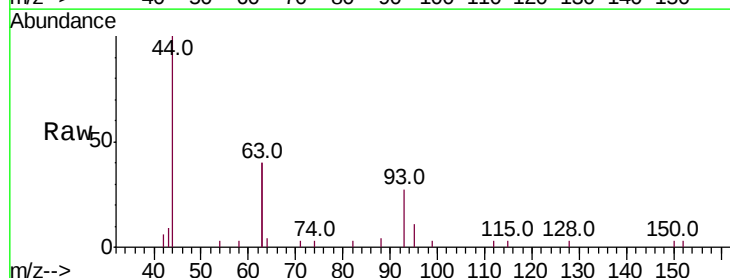
Tgt Ion: 93 Resp: 884

Ion Ratio Lower Upper

93 100

63 329.9 264.4 396.6

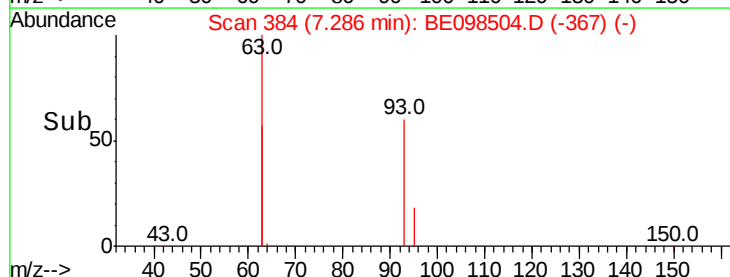
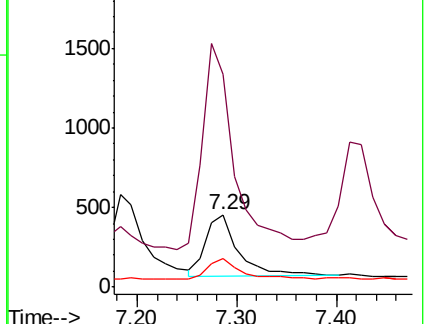
95 33.4 26.6 40.0

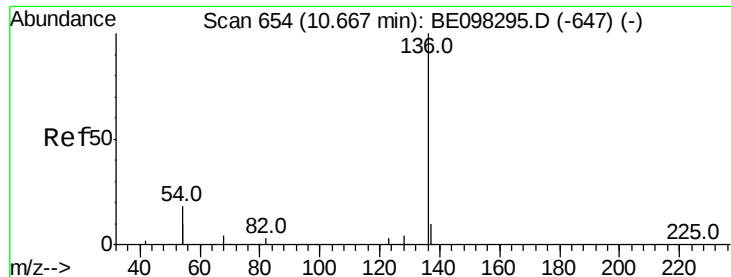


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 3027

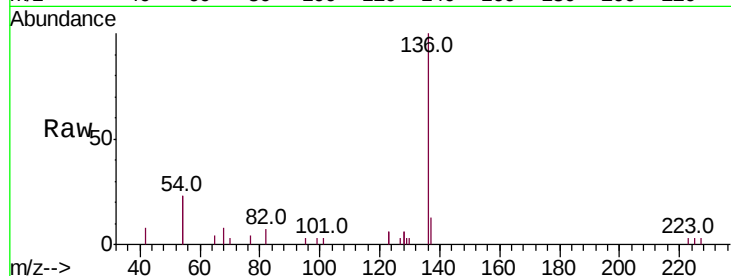
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 46.8 28.4 42.6#

68 7.7 5.4 8.0

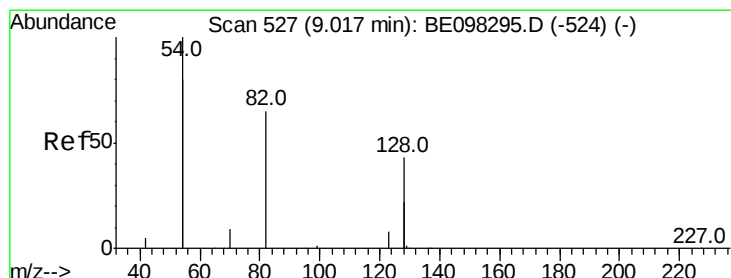
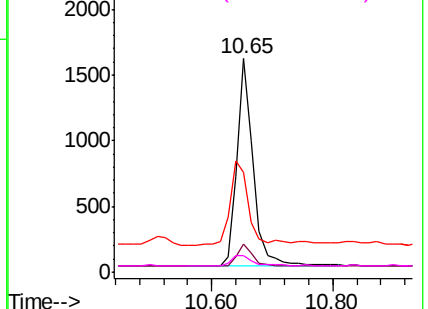
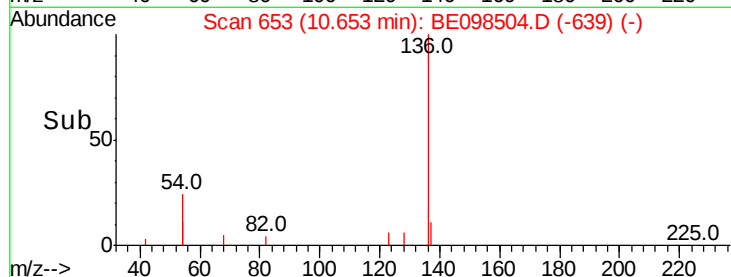


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

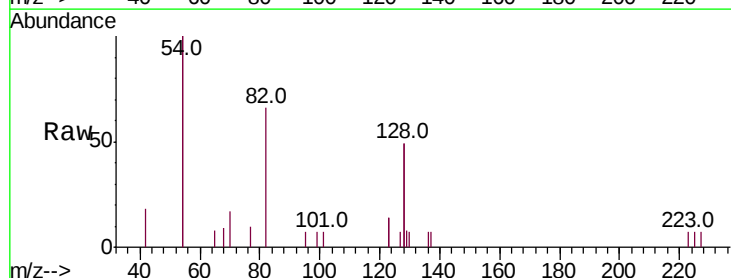
Tgt Ion: 82 Resp: 1035

Ion Ratio Lower Upper

82 100

128 148.8 102.4 153.6

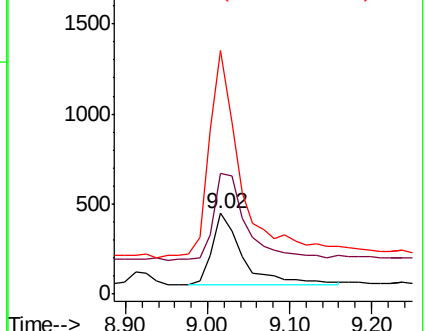
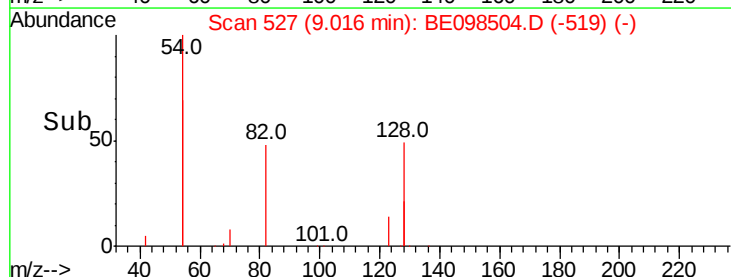
54 301.1 221.8 332.8

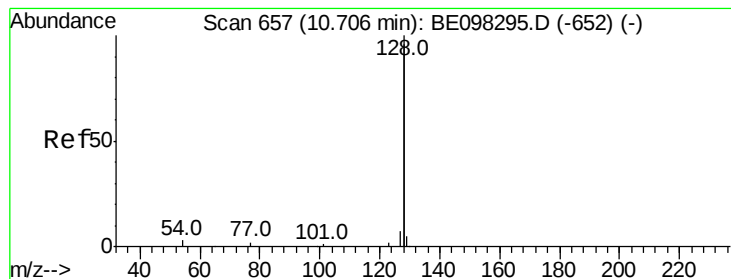


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

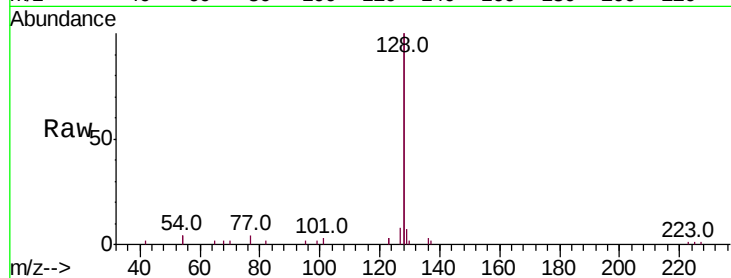
Tot Ion:128 Resp: 12274

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

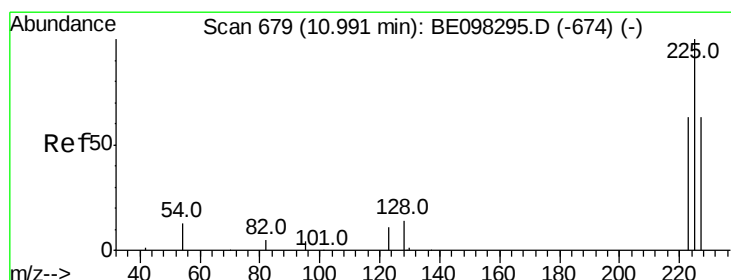
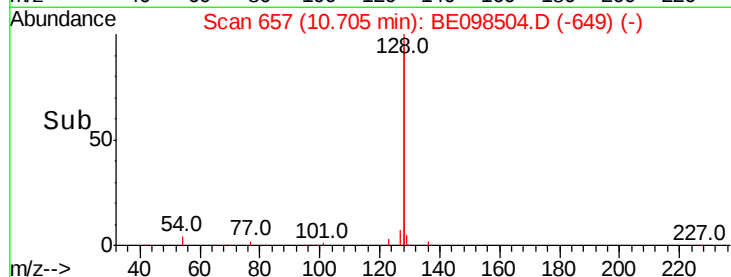
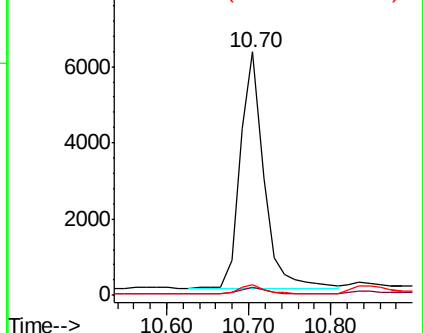
127 4.1 2.7 4.1#



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: 0.450 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

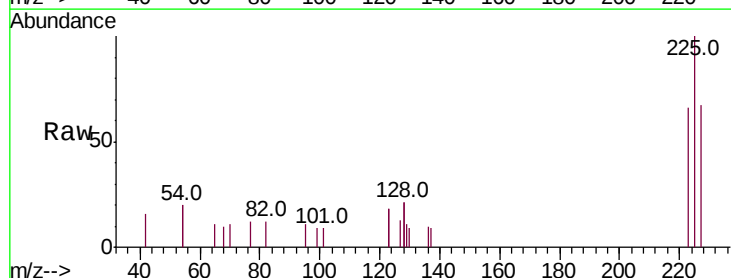
Tgt Ion:225 Resp: 873

Ion Ratio Lower Upper

225 100

223 64.5 49.4 74.0

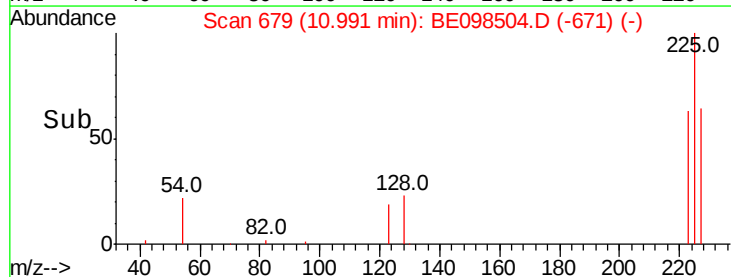
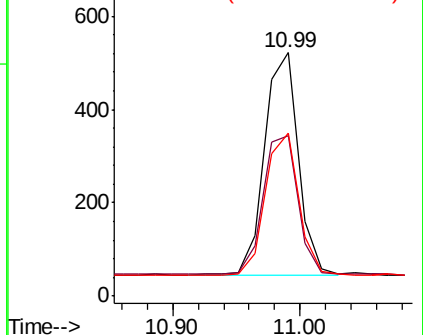
227 63.2 52.0 78.0

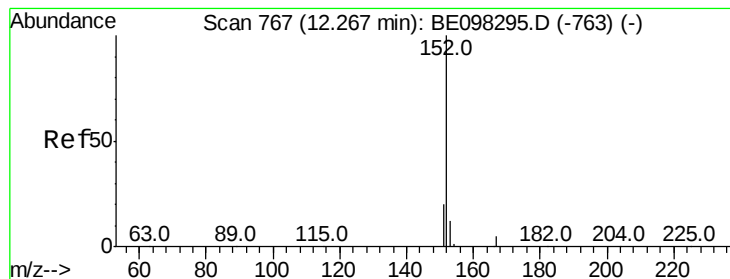


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.413 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

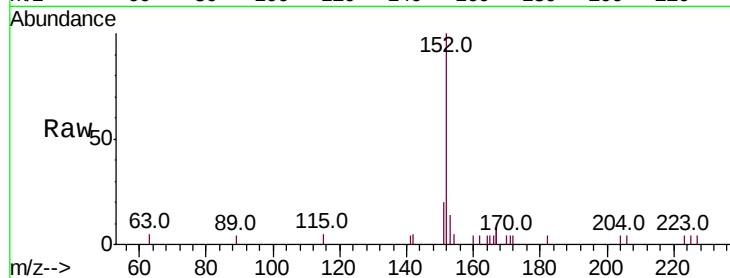
SSTDCCC0.4

Tot Ion:152 Resp: 2033

Ion Ratio Lower Upper

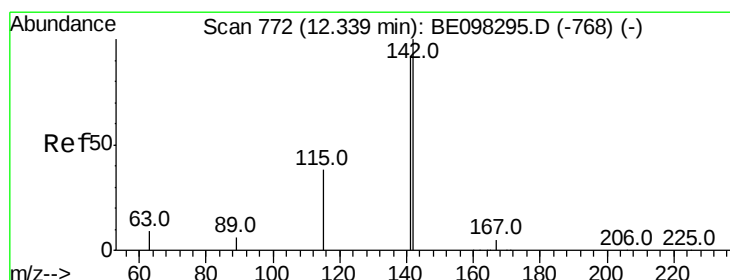
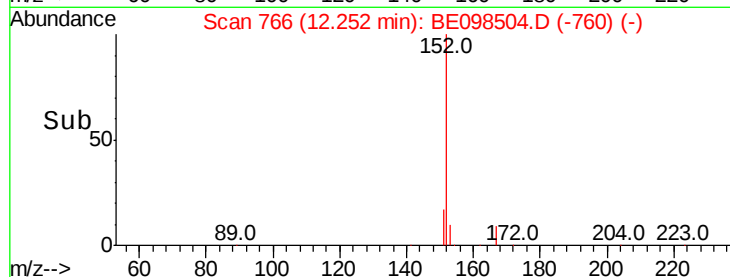
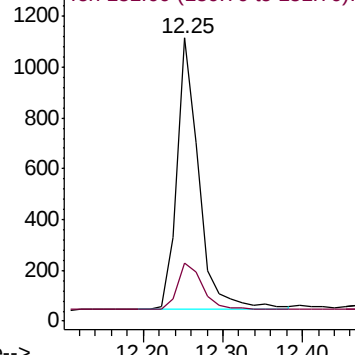
152 100

151 20.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.431 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

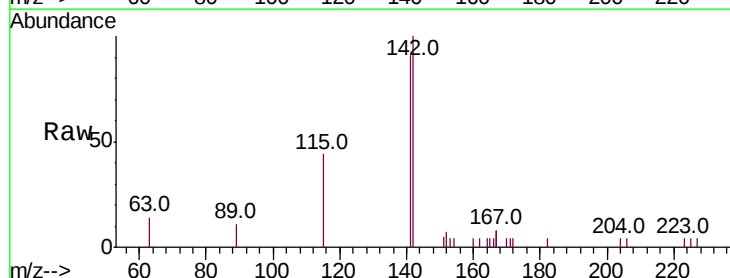
Tgt Ion:142 Resp: 2134

Ion Ratio Lower Upper

142 100

141 90.8 71.0 106.6

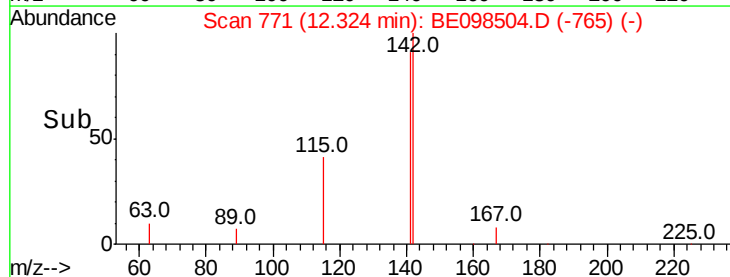
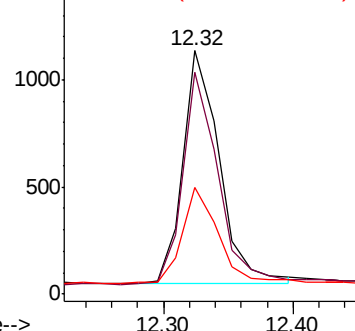
115 44.0 32.2 48.2

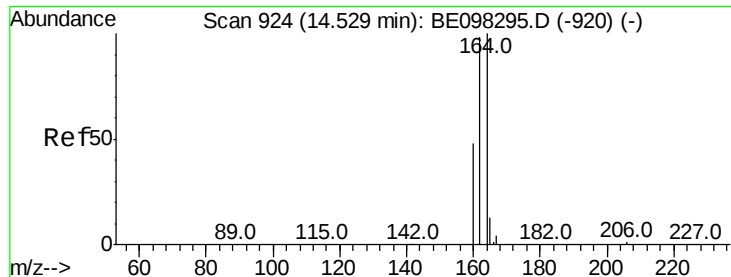


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

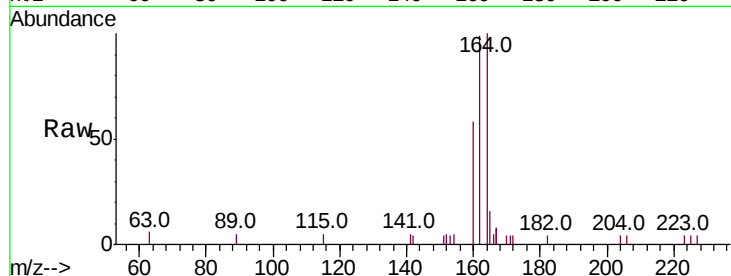
Tot Ion:164 Resp: 1934

Ion Ratio Lower Upper

164 100

162 99.4 77.6 116.4

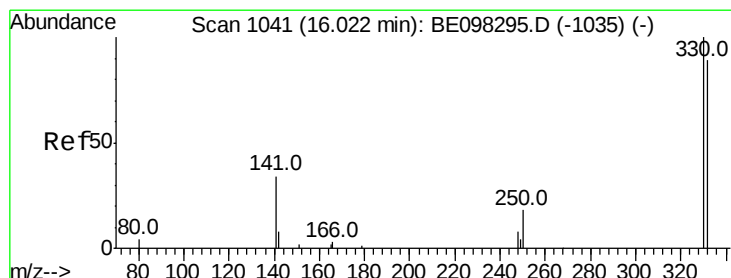
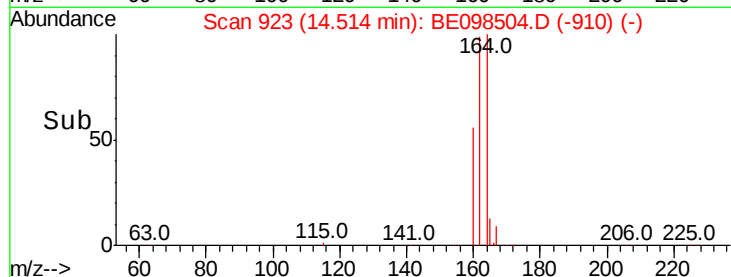
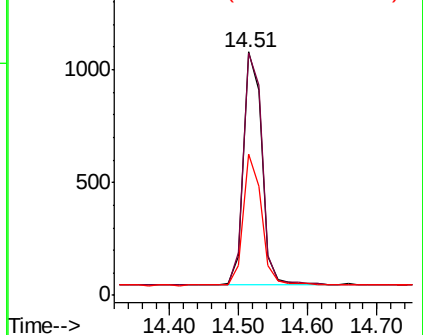
160 58.1 36.0 54.0#



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: 0.600 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

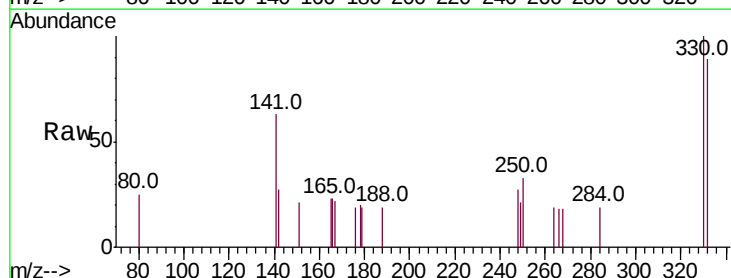
Tgt Ion:330 Resp: 426

Ion Ratio Lower Upper

330 100

332 97.4 76.2 114.4

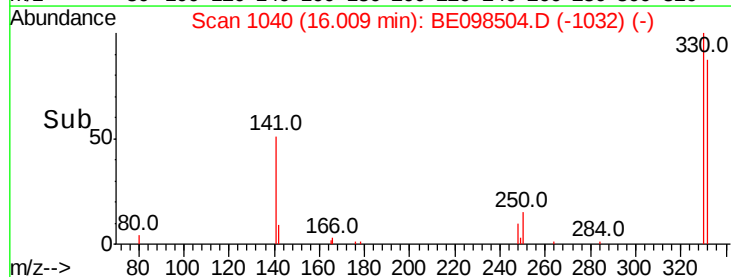
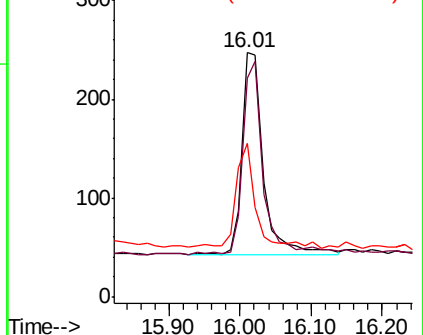
141 46.0 39.0 58.4

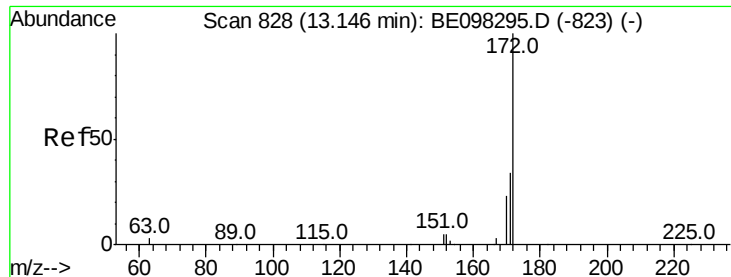


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

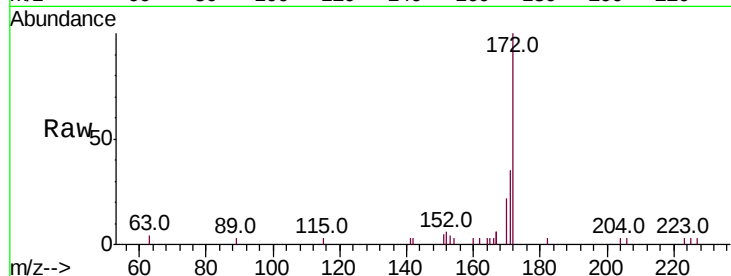




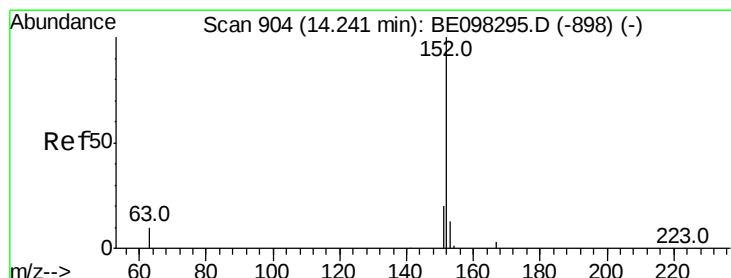
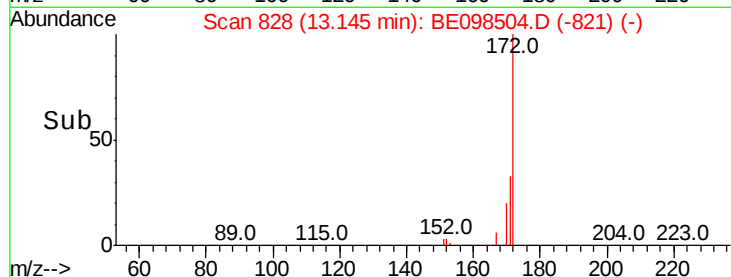
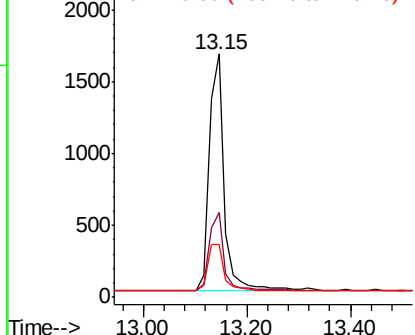
#15  
2-Fluorobiphenyl  
Concen: 0.413 ng  
RT: 13.15 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE098504.D  
Acq: 16 Dec 2018 13:14

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:172 Resp: 3370  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.5 41.3  
170 21.8 19.6 29.4

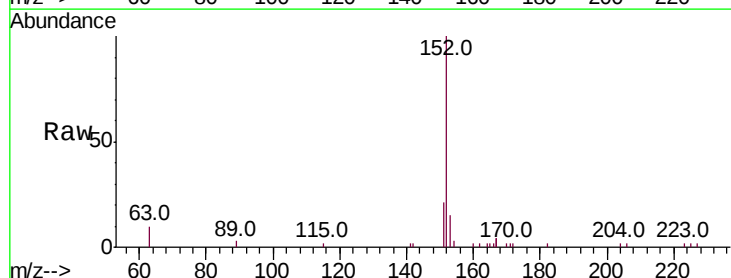


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

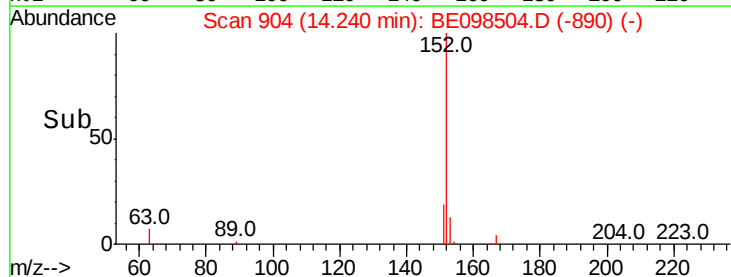
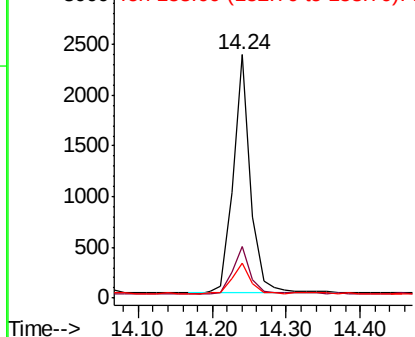


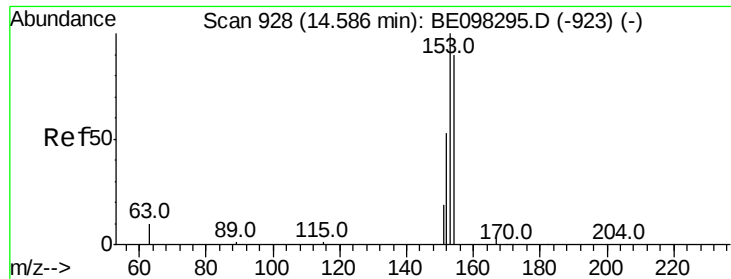
#16  
Acenaphthylene  
Concen: 0.422 ng  
RT: 14.24 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BE098504.D  
Acq: 16 Dec 2018 13:14

Tgt Ion:152 Resp: 3824  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.5 23.3  
153 13.2 10.6 16.0



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: 0.422 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

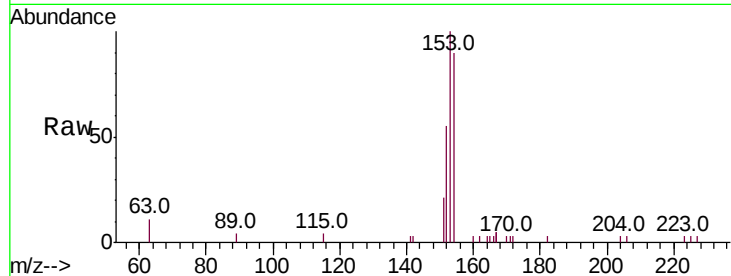
Tot Ion:154 Resp: 2297

Ion Ratio Lower Upper

154 100

153 117.7 91.8 137.6

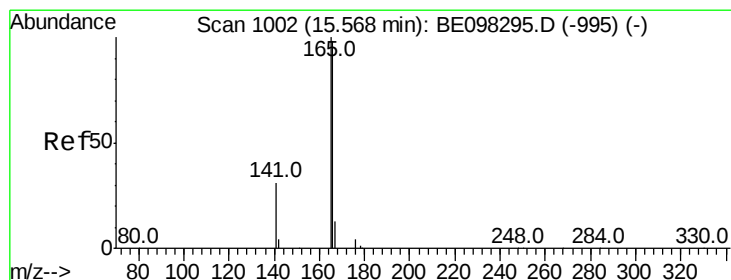
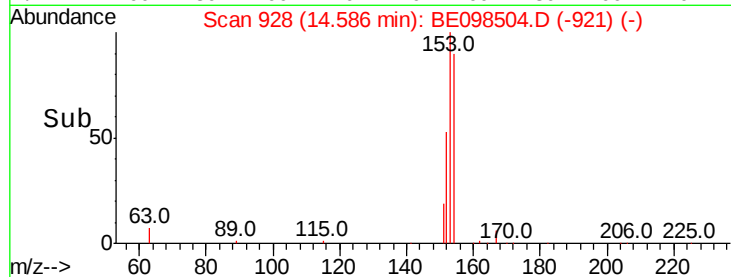
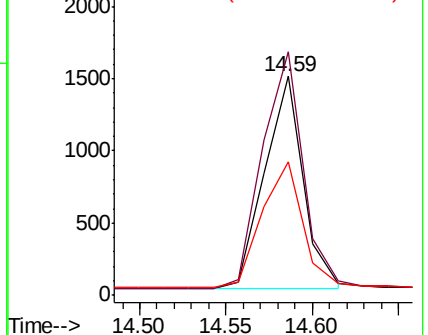
152 63.1 45.5 68.3



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: 0.434 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

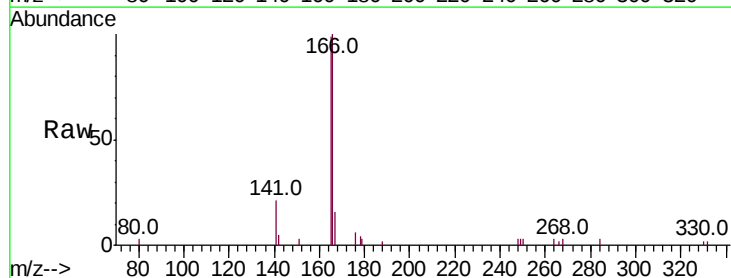
Tgt Ion:166 Resp: 3164

Ion Ratio Lower Upper

166 100

165 100.8 79.3 118.9

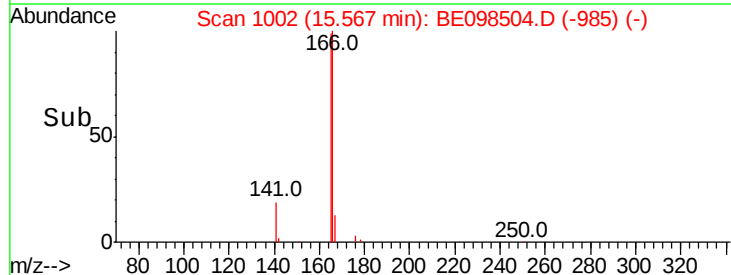
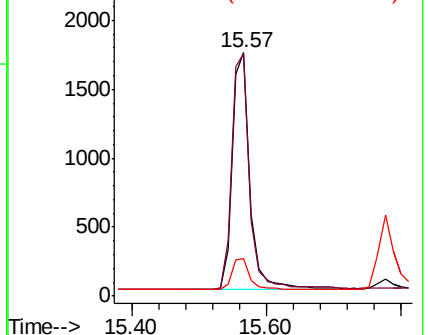
167 14.1 11.3 16.9

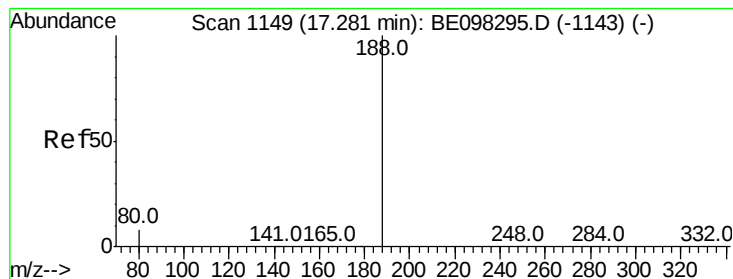


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1148

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

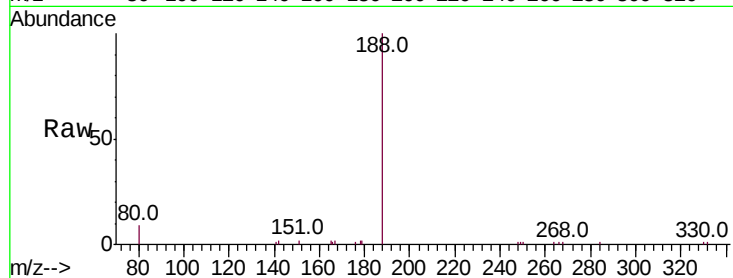
Tot Ion:188 Resp: 5619

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

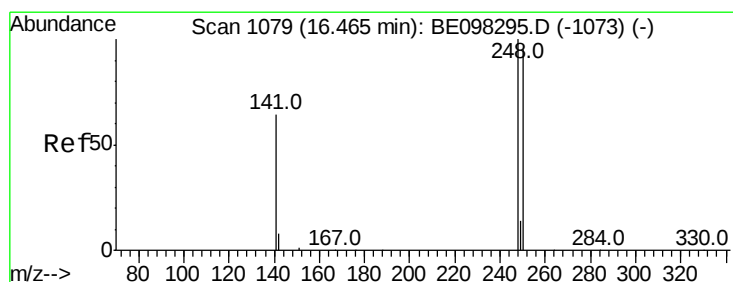
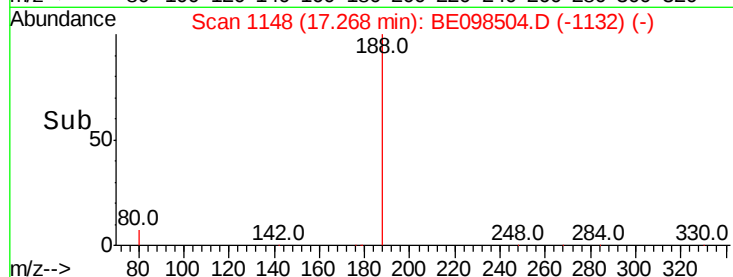
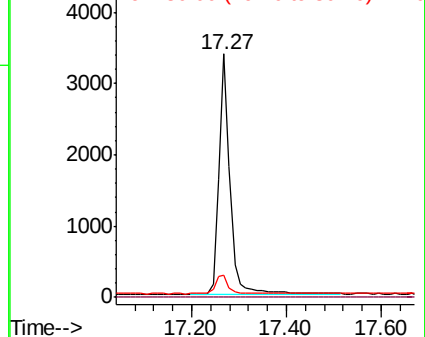
80 8.9 7.2 10.8



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: 0.414 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

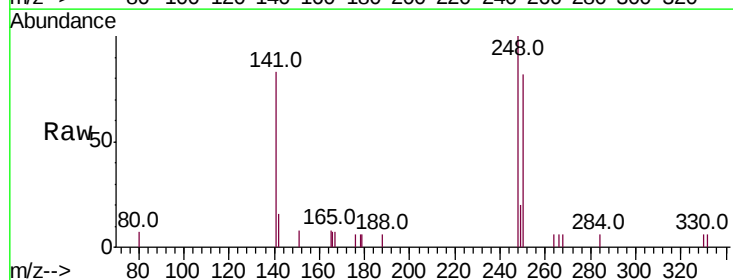
Tgt Ion:248 Resp: 1252

Ion Ratio Lower Upper

248 100

250 82.0 71.0 106.6

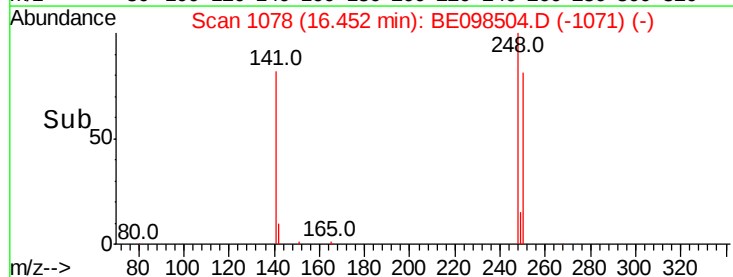
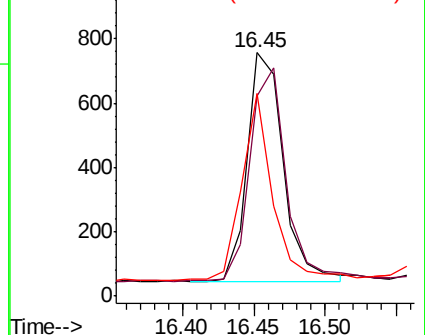
141 83.2 62.1 93.1

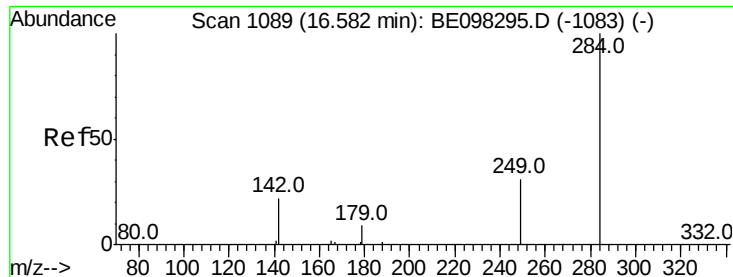


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.429 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

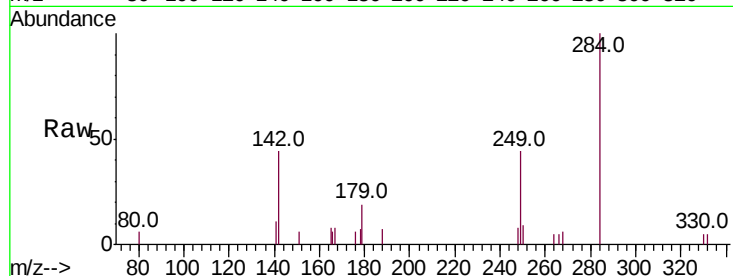
Tot Ion:284 Resp: 1394

Ion Ratio Lower Upper

284 100

142 36.6 26.3 39.5

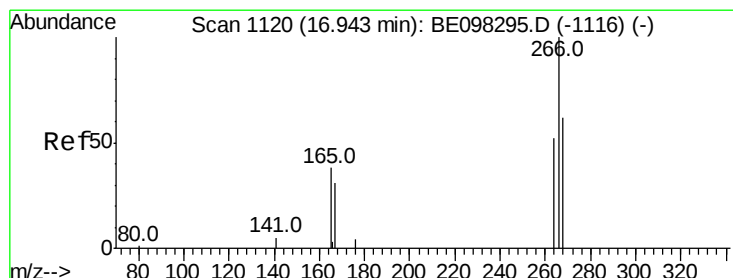
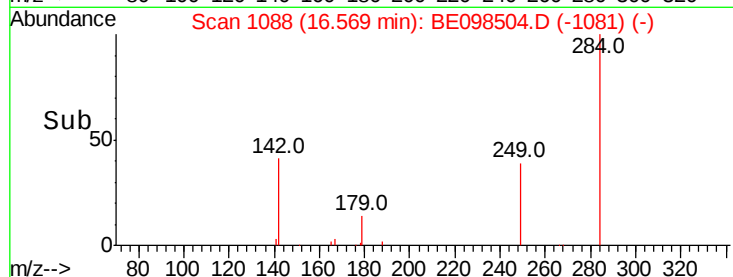
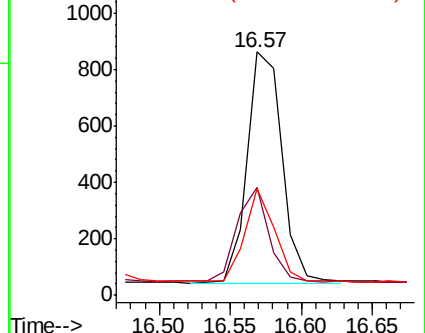
249 34.7 26.0 39.0



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: 1.015 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

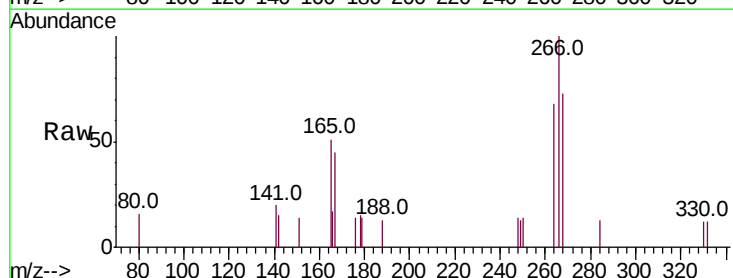
Tgt Ion:266 Resp: 641

Ion Ratio Lower Upper

266 100

264 67.8 59.0 88.4

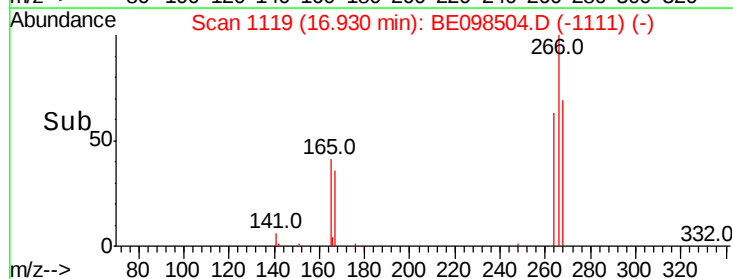
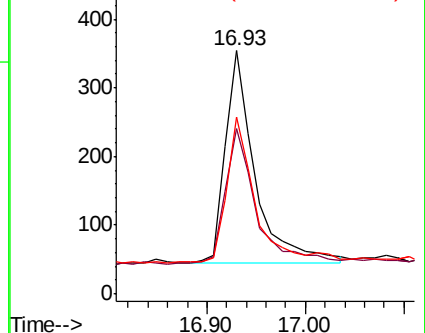
268 72.6 55.1 82.7

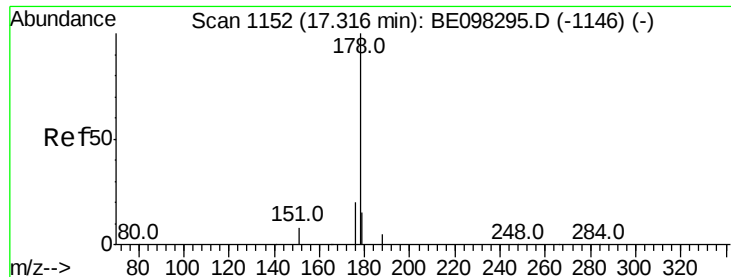


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.419 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

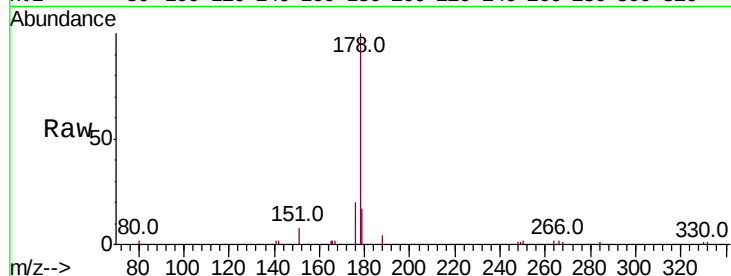
BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:178 Resp: 5716

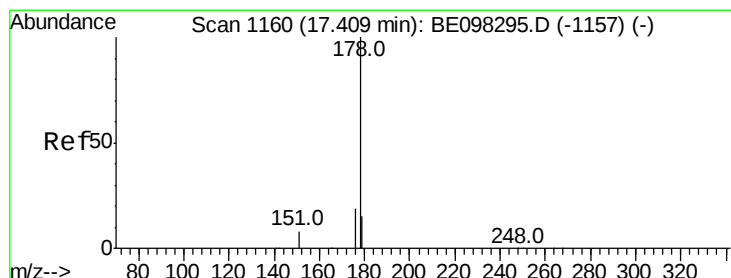
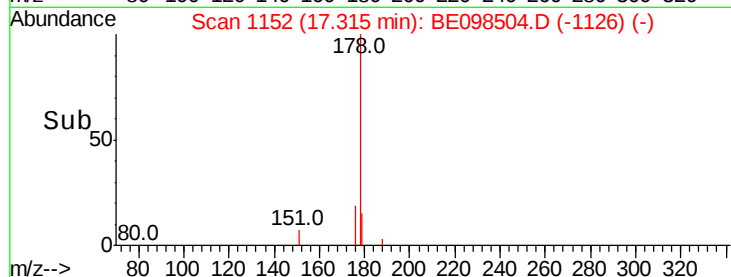
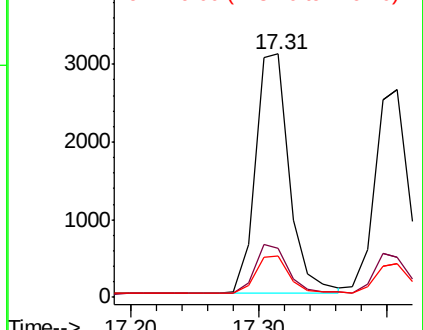
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.3  | 15.9  | 23.9  |
| 179 | 15.9  | 12.3  | 18.5  |



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: 0.409 ng

RT: 17.41 min Scan# 1160

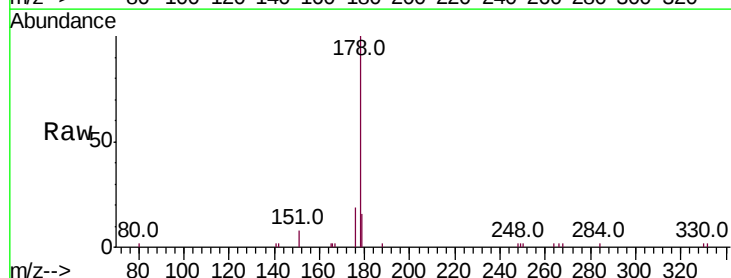
Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Tgt Ion:178 Resp: 4976

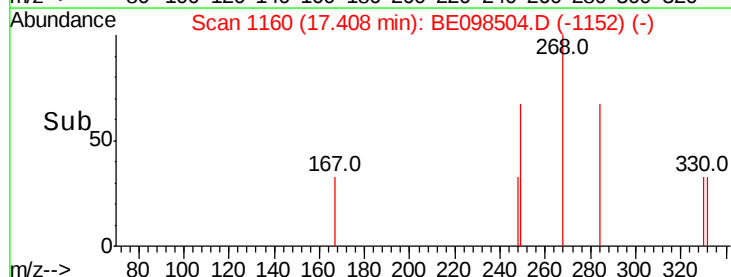
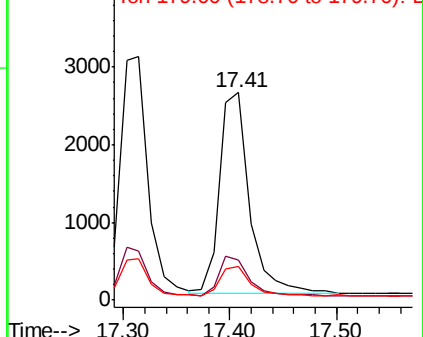
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.4  | 15.0  | 22.4  |
| 179 | 14.2  | 12.3  | 18.5  |

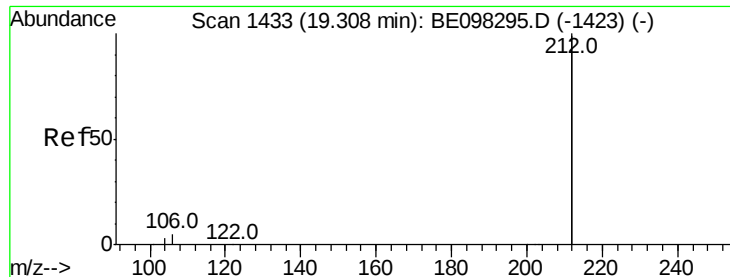


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.481 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

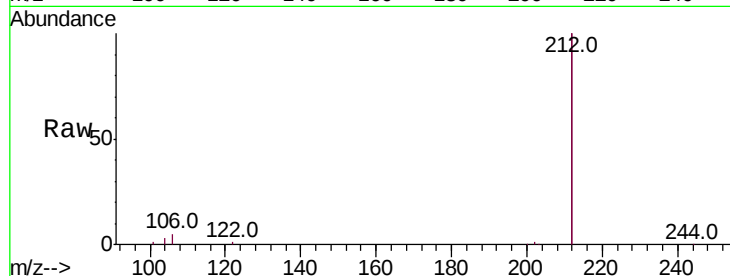
Tot Ion:212 Resp: 34652

Ion Ratio Lower Upper

212 100

106 2.3 2.2 3.2

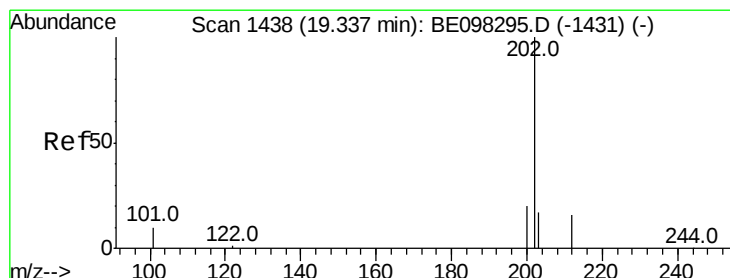
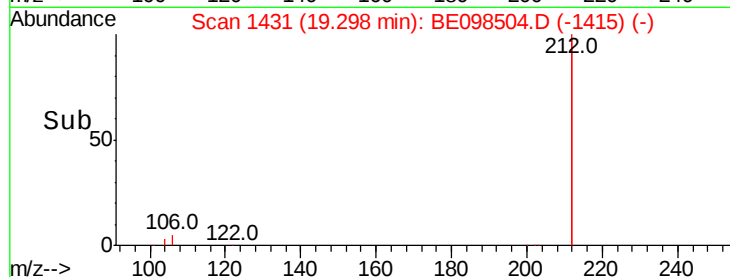
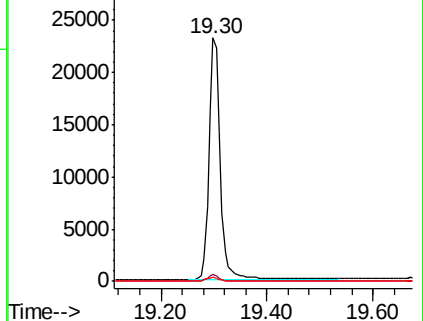
104 1.3 1.3 1.9



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: 0.477 ng

RT: 19.33 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

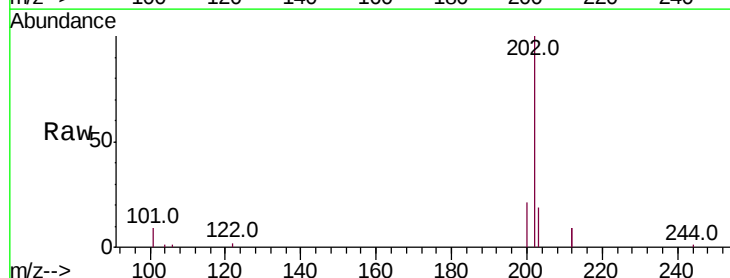
Tgt Ion:202 Resp: 8620

Ion Ratio Lower Upper

202 100

101 8.6 8.0 12.0

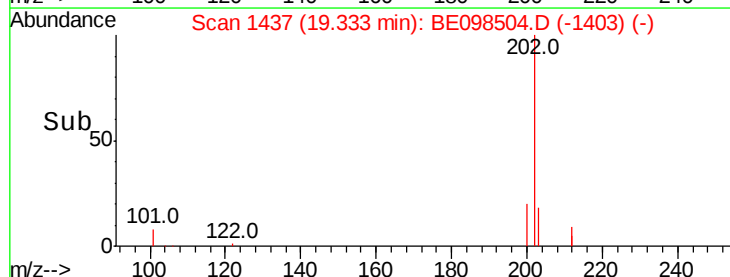
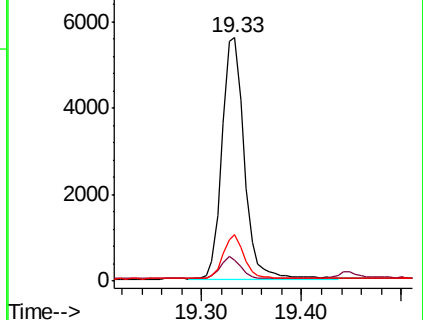
203 16.8 13.8 20.6

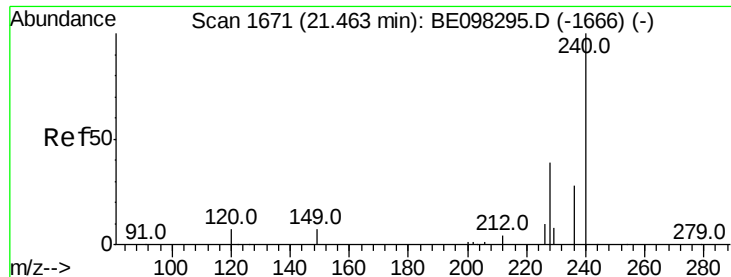


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

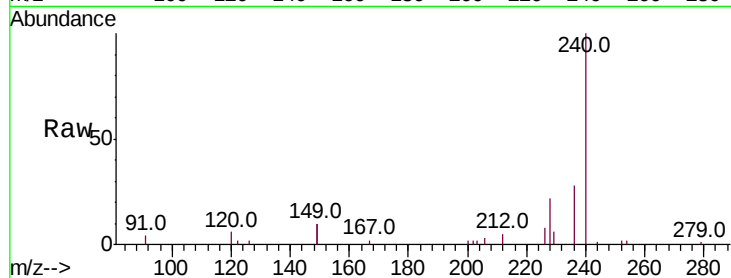
Tot Ion:240 Resp: 7792

Ion Ratio Lower Upper

240 100

120 5.9 9.5 14.3#

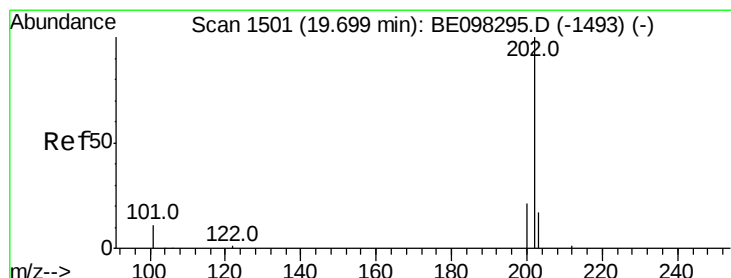
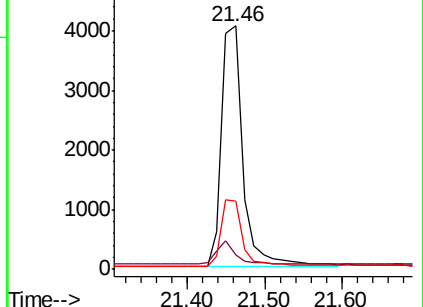
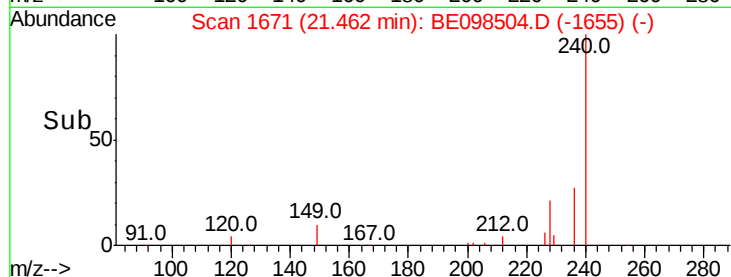
236 28.2 22.7 34.1



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: 0.387 ng

RT: 19.69 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

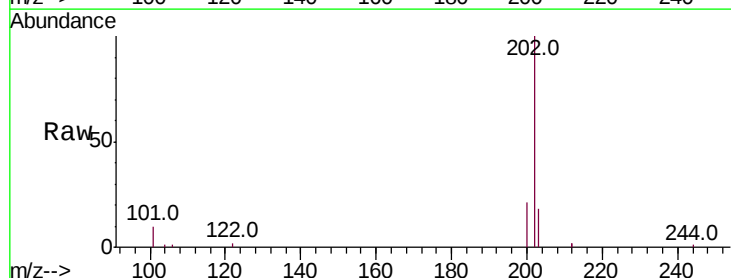
Tgt Ion:202 Resp: 9473

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

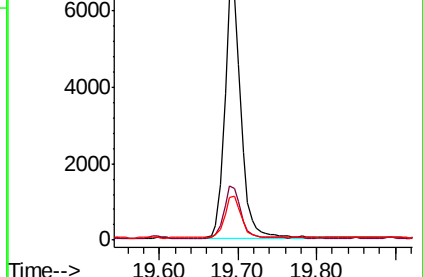
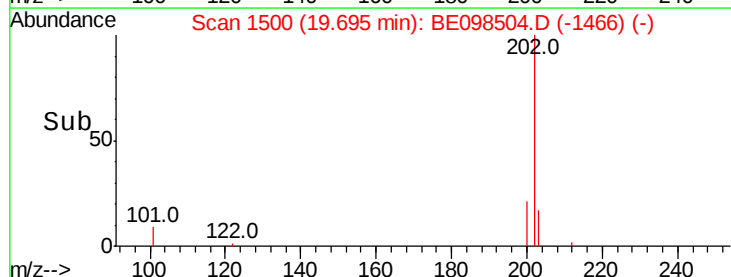
203 17.2 14.1 21.1

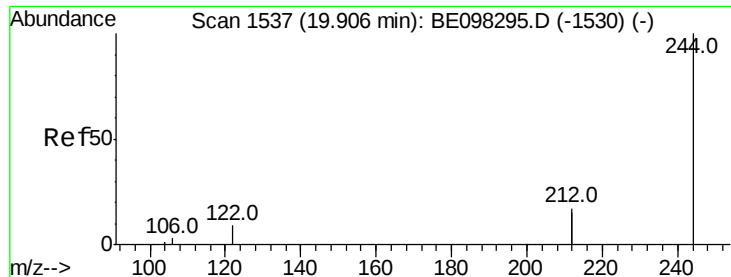


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.363 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

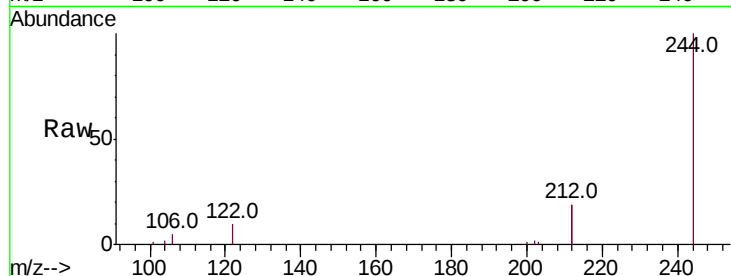
Tot Ion:244 Resp: 6875

Ion Ratio Lower Upper

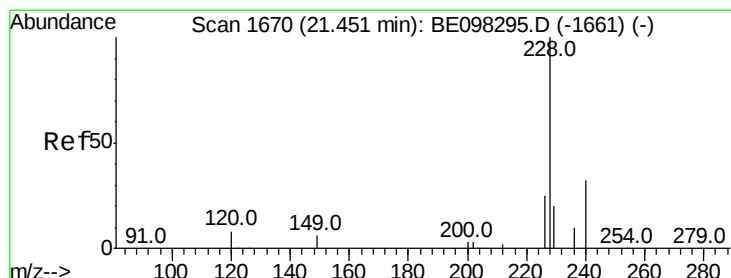
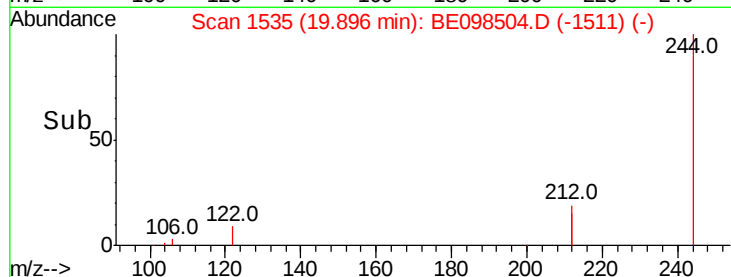
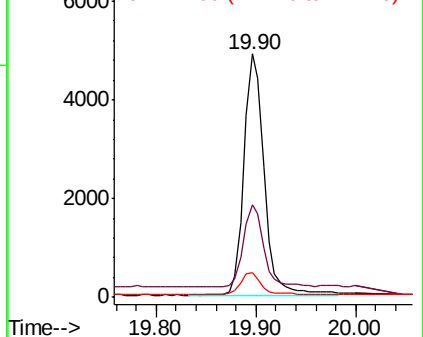
244 100

212 38.2 27.4 41.0

122 10.4 8.3 12.5



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: 0.436 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

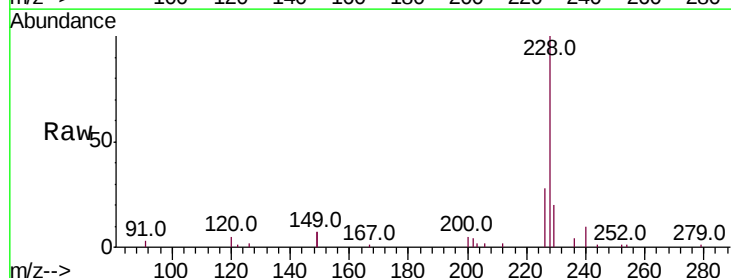
Tgt Ion:228 Resp: 9674

Ion Ratio Lower Upper

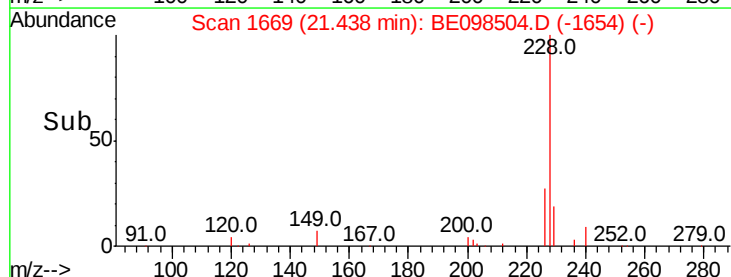
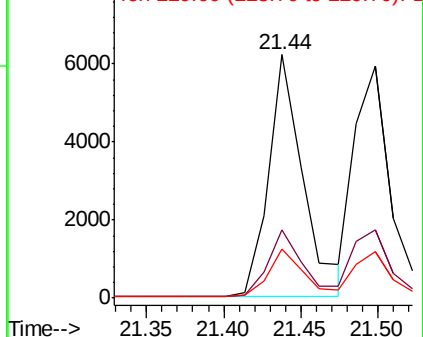
228 100

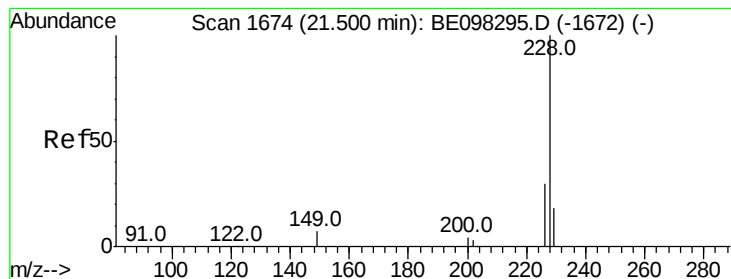
226 27.9 21.8 32.8

229 20.2 16.3 24.5



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: 0.408 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

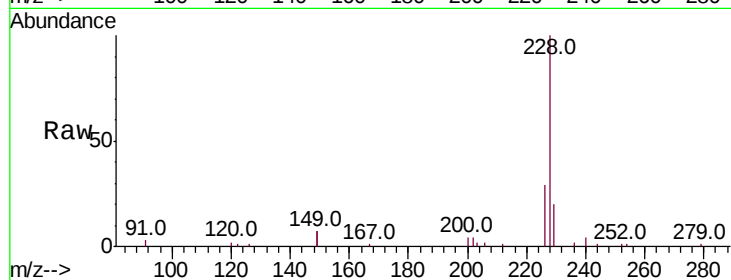
BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:228 Resp: 9475

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.3  | 23.4  | 35.0  |
| 229 | 20.3  | 16.2  | 24.4  |

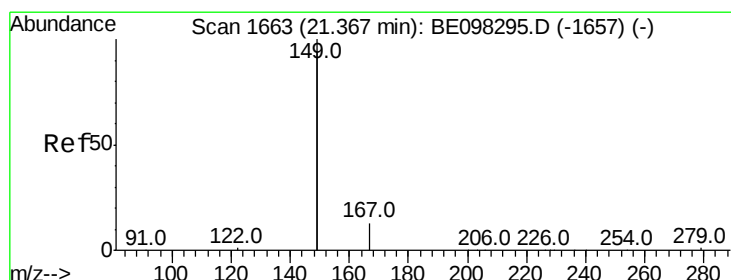
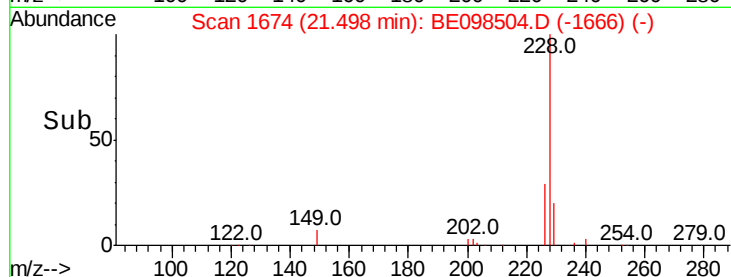
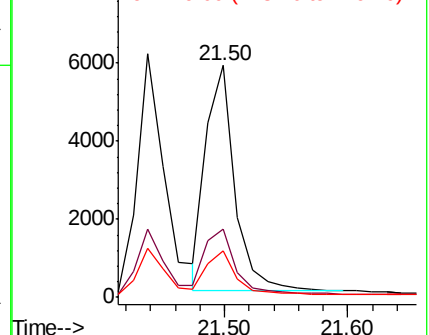


Abundance

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: 0.556 ng

RT: 21.35 min Scan# 1662

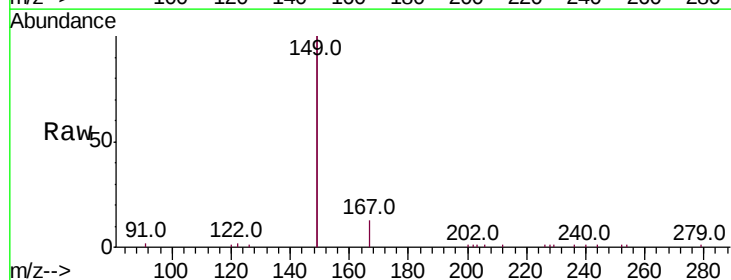
Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Tgt Ion:149 Resp: 25070

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.6   | 5.7   | 8.5   |
| 279 | 1.1   | 1.0   | 1.4   |

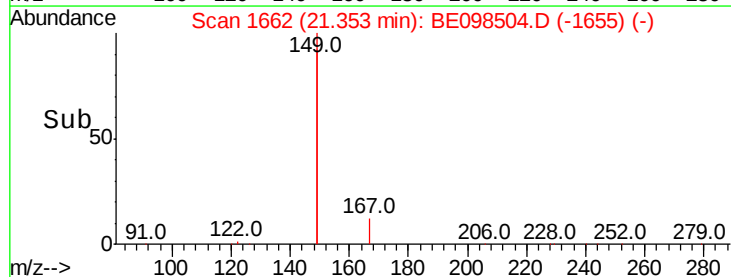
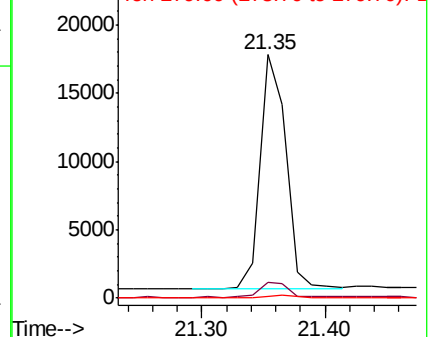


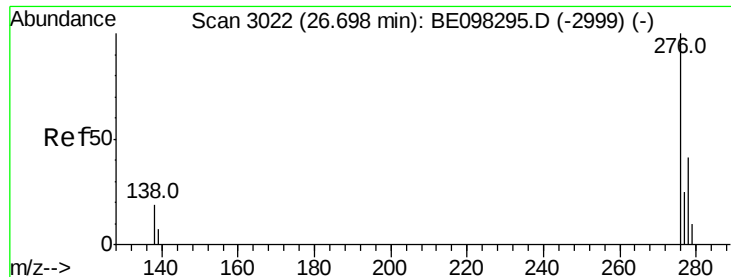
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.412 ng

RT: 26.69 min Scan# 3019

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

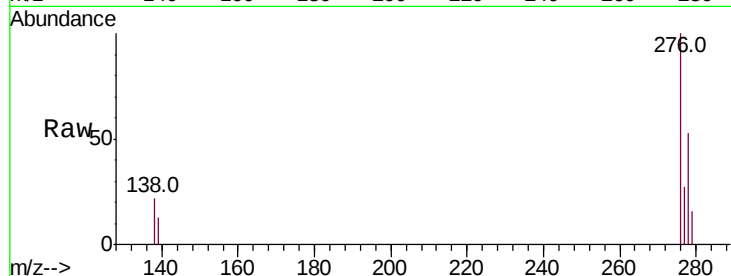
Tot Ion:276 Resp: 9537

Ion Ratio Lower Upper

276 100

138 19.1 16.3 24.5

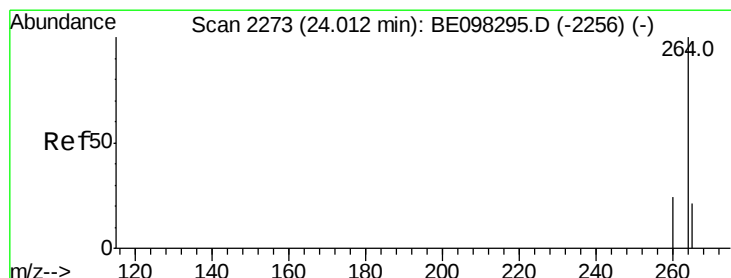
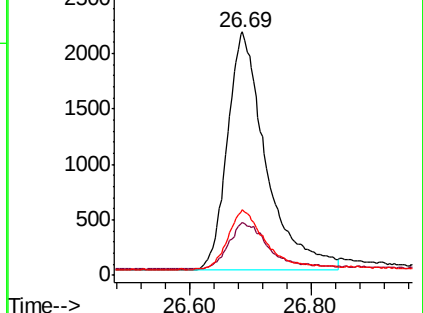
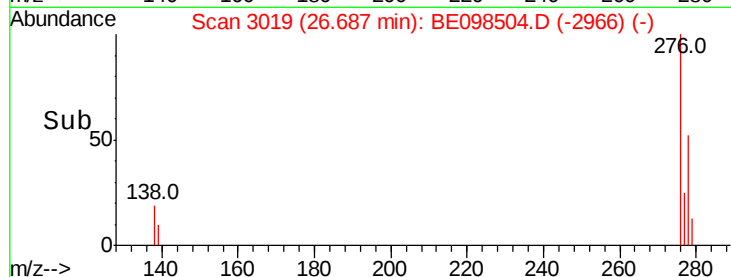
277 24.2 20.2 30.4



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: 24.00 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

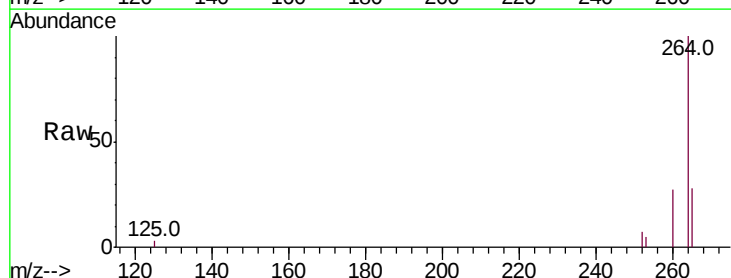
Tgt Ion:264 Resp: 7354

Ion Ratio Lower Upper

264 100

260 26.8 20.2 30.2

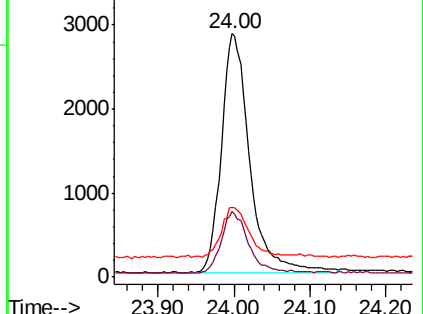
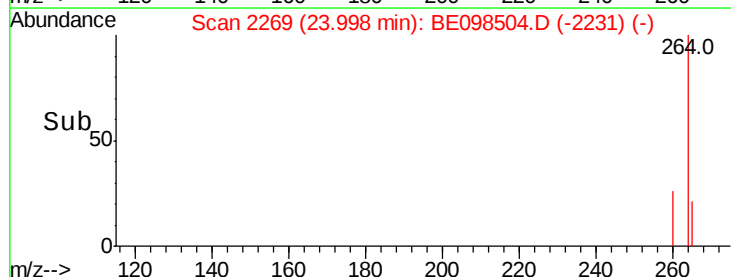
265 28.5 25.2 37.8

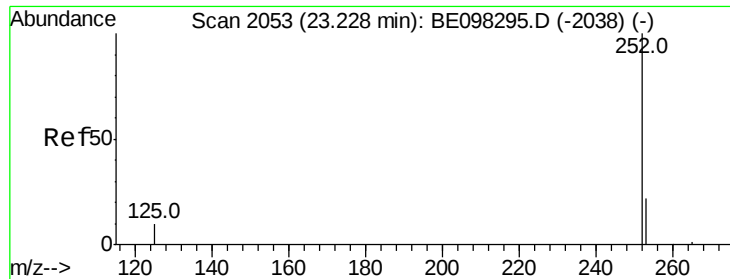


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.436 ng

RT: 23.22 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

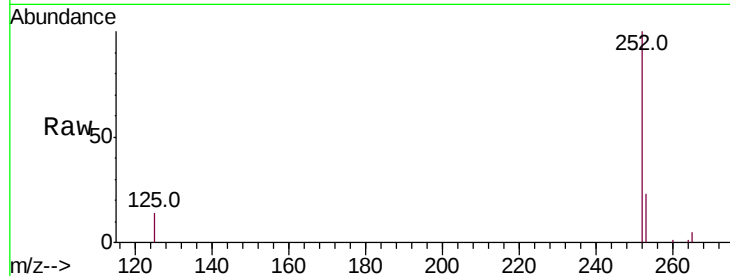
Tot Ion:252 Resp: 8760

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

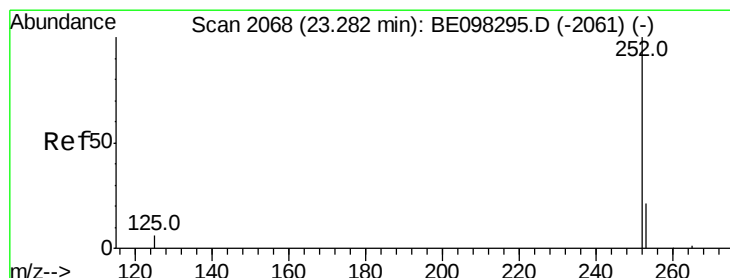
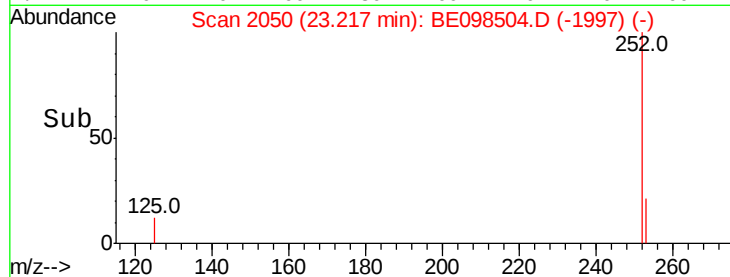
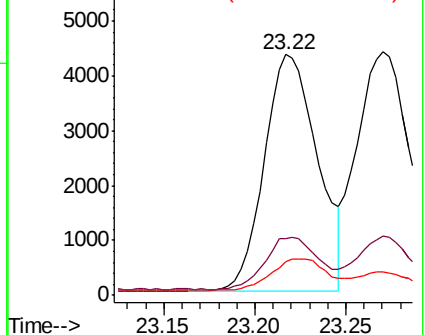
125 13.8 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.406 ng

RT: 23.27 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

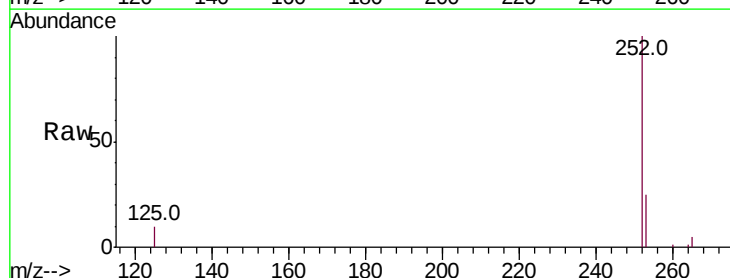
Tgt Ion:252 Resp: 9513

Ion Ratio Lower Upper

252 100

253 24.6 19.0 28.6

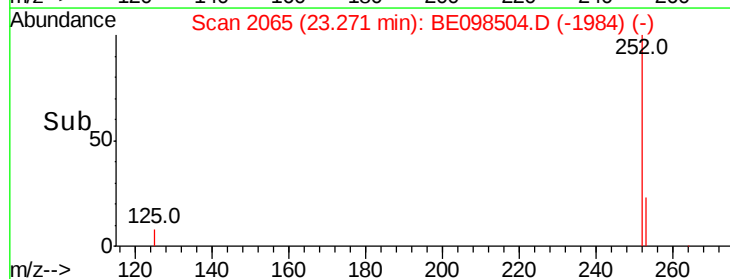
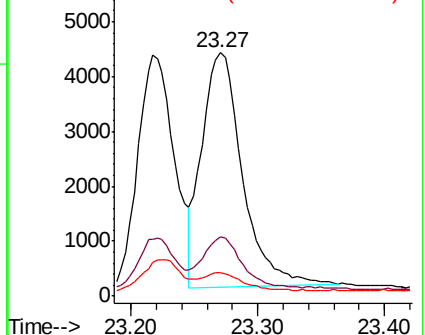
125 9.8 9.1 13.7

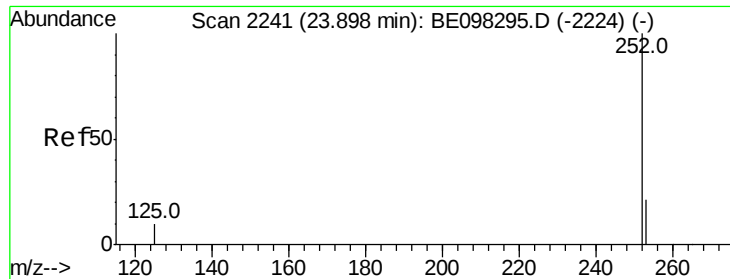


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.424 ng

RT: 23.88 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

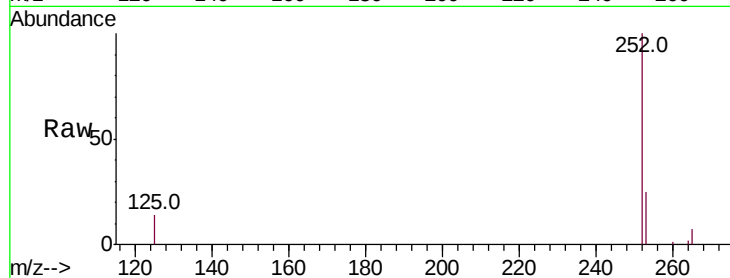
Tot Ion:252 Resp: 8807

Ion Ratio Lower Upper

252 100

253 25.0 20.6 30.8

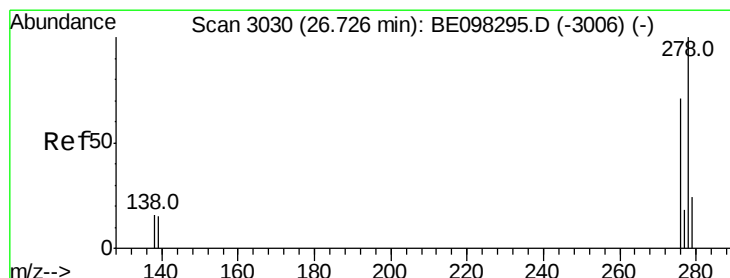
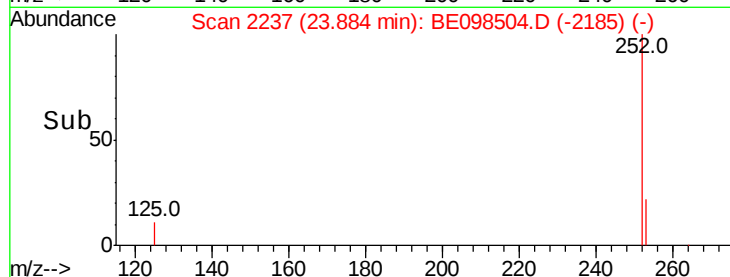
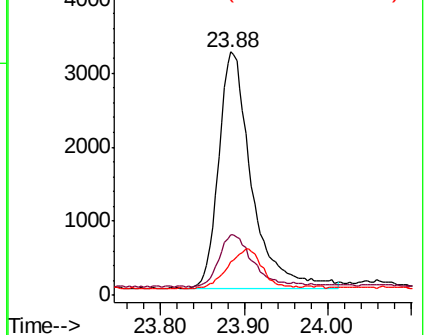
125 13.6 10.5 15.7



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: 0.385 ng

RT: 26.71 min Scan# 3026

Delta R.T. -0.01 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

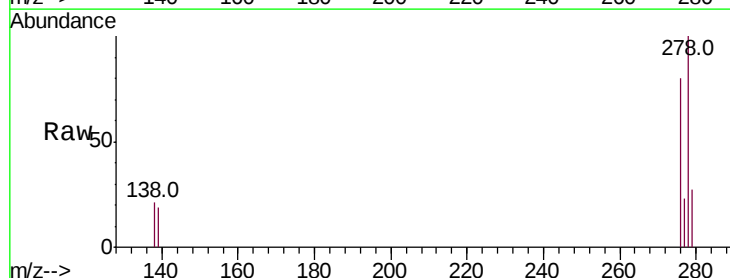
Tgt Ion:278 Resp: 7526

Ion Ratio Lower Upper

278 100

139 18.6 14.5 21.7

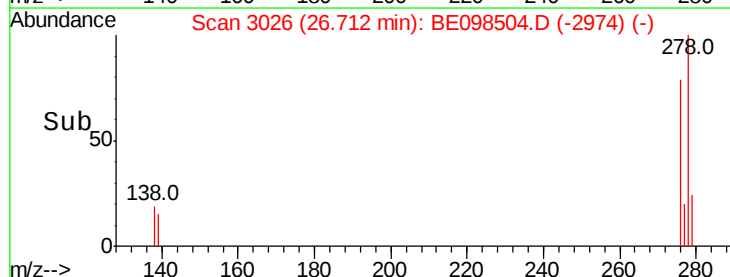
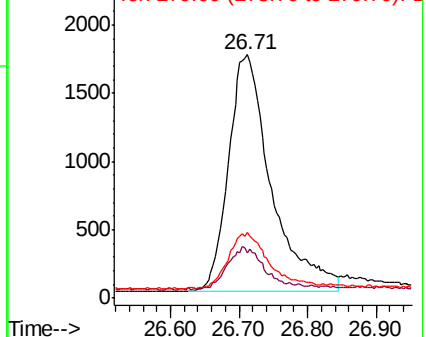
279 26.7 21.8 32.8

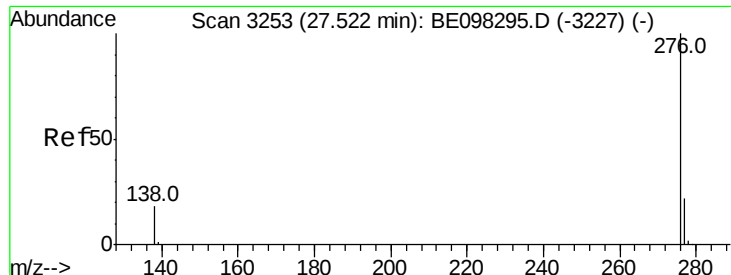


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.417 ng

RT: 27.50 min Scan# 3248

Delta R.T. -0.02 min

Lab File: BE098504.D

Acq: 16 Dec 2018 13:14

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

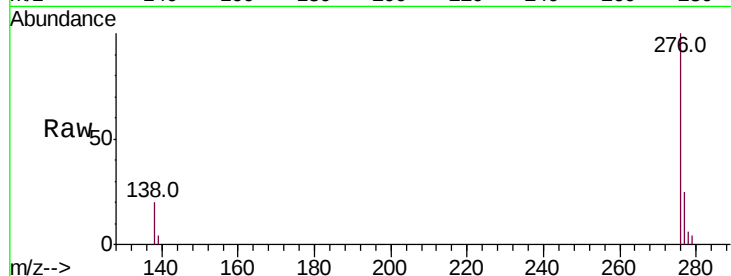
Tot Ion:276 Resp: 8212

Ion Ratio Lower Upper

276 100

277 25.2 20.8 31.2

138 19.9 15.8 23.6



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

